National Aeronautics and
Space Administration

Fiscal Year 2019

Annual Procurement Report

EXPLORE PROCUREMENT

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Welcome from the Assistant Administrator

The National Aeronautics and Space Administration (NASA) Office of Procurement is proud to present the Fiscal Year 2019 Annual Procurement Report that highlights NASA's procurement performance metrics in relation to the Agency's Mission.

I want to take this opportunity to thank you first for taking the time to understand how we acquire goods and services—and more importantly—understanding how our partners are an integral part of the Agency's industrial base.

Our mission is acquisition excellence in an evolving environment and our vision is to explore and execute innovative, effective, and efficient acquisition business solutions to optimize capabilities and operations that enable NASA's missions. This year has been monumental and the transformative results have been unprecedented. Nationwide, businesses large and small are building the systems necessary for powering humankind into deep space—creating new engineering and high-tech jobs in all 50 states and every type of community. In partnering with us, this can only be achieved through the hardworking and dedicated NASA Office of Procurement and Agency acquisition workforce.

In this ever-evolving acquisition environment, the Office of Procurement is well positioned to enable putting the first woman and next man on the Moon by establishing sustainable research and exploration partnerships with our commercial and international partners.

Our workforce enables us to achieve these results and make the impossible—possible.

Thank you for your unwavering support of the NASA Office of Procurement.

Sincerely,

Monica

INTRODUCTION

This report presents summary data on all of NASA procurement actions and detailed information on contracts, and other procurements awarded by NASA during Fiscal Year 2019 using appropriated funds. All data was pulled from the Federal Procurement Data System (FPDS)* with the exception of awards made through other Government agencies, which was obtained from NASA's financial system.

"Procurement action," as used in this report, means a contractual action to obtain supplies, services or construction that increases or decreases funds. A procurement action, thus, may be a new procurement or a modification such as a supplemental agreement, change order or termination to an existing contract that changes the total amount of funds obligated. An obligation is a contractual commitment to pay for supplies or services that are specified in the contract. (See Glossary for more information.)

The Annual Procurement Report is available via the internet on the Procurement homepage. The address is *http://www.hq.nasa.gov/office/procurement/* (under the "Procurement Reports and Guides" link). The report was prepared by the Office of Procurement, NASA Headquarters. Inquiries should be addressed in writing to:

National Aeronautics and Space Administration
Office of Procurement
Washington, DC 20546

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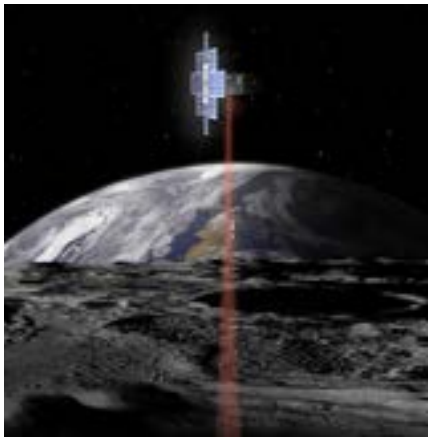

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TOTAL

Fiscal Year 2019 – NASA's procurements totaled $19,514.4 million. The number of procurement actions totaled 35,929.

Trends In Procurement Obligations vs. Total NASA Obligations*

Fiscal Years 2015–2019 (Millions Of Dollars)

		Procurement Obligations	
Fiscal Year	**Total NASA Obligations**	**Amount**	**% of Total Obligations**
2019	$23,970.8	$19,514.4	81.4%
2018	$23,374.8	$19,196.7	82.1%
2017	$22,678.2	$18,502.5	81.6%
2016	$22,527.0	$18,687.9	83.0%
2015	$21,070.5	$17,191.5	81.6%

*Total NASA obligations include salaries, benefits, and travel of NASA employees, as well as 102,929 purchase card transactions in the amount of $107.1 million. Procurement obligations exclude Funded Space Act Agreements because they are handled outside of the Office of Procurement. They are not discussed in this report. Awards to Other Government Agencies, are included in both totals above, but they are only discussed on page 27. They are not included in other charts and tables in this report.

PROCUREMENT

CATEGORY MANAGEMENT

Category Management is the business practice of buying common goods and services as an enterprise to eliminate redundancies, increase efficiency, and deliver more value and savings from the Government's acquisition programs. The Office of Management and Budget (OMB) sets annual, Agency-specific goals for the Category Management key performance indicators (KPIs), which are based on the Government-wide KPI goals set by the President's Management Agenda.

The primary KPIs are Spend Under Management (SUM) and Best-in-Class (BIC). SUM is the percentage of an agency's spending obligated on agency or Government-wide contracts. The BIC metric is a measure of an agency's spending obligated on BIC contracts. BIC refers to contracts available for use Government-wide that have been vetted by solution owners, agency users, and subject matter experts resulting in a designation as Best-in-Class by OMB. There are currently 30+ active BICs, including the NASA Solutions for Enterprise-Wide Procurement (SEWP) contract.

Use of Government-wide and BIC solutions save agencies money and support small business utilization, all while reducing duplicate contracts and streamlining the acquisition process — making it possible for agencies to focus more resources on high-priority mission work. The enterprise procurement strategies resulting from NASA OP's Mission Support Future Architecture Program transformation will enable NASA to continue to make positive strides in its Category Management performance.

FY19 Category Management Performance

Spend Under Management

BIC Obligation

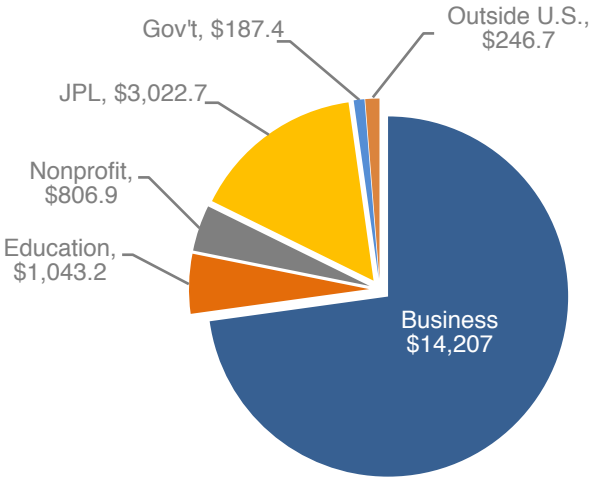
In 2019, NASA OP exceeded the goal set for SUM and achieved 99.6 percent of the BIC goal, which was a marked improvement in both areas over the prior years' performance.

AWARDS BY TYPE OF CONTRACTOR

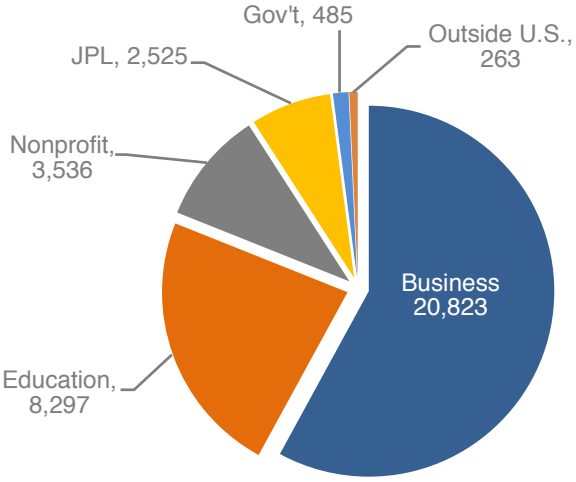
Fiscal Year 2019 – The distribution of NASA's procurement dollars obligated and the number of actions is shown below.

Awards By Type Of Contractor Fiscal Year 2019

Dollars (Millions)



Actions (Numbers of Actions)



Category	Value (Millions)	Percent of Total	Actions (Number of)	Percent of Total
Business Firms	$14,207.4	72.8%	20,823	58.0%
Educational Institutions	$1,043.2	5.3%	8,297	23.1%
Nonprofit Organizations	$806.9	4.1%	3,536	9.9%
JPL	$3,022.7	15.5%	2,525	7.0%
Gov. Agencies	$187.4	1.0%	485	1.3%
Outside U.S.	$246.7	1.3%	263	0.7%
Total:	$19,514.3	100%	35,929	100%

Trends In Awards By Type Of Contractor

Fiscal Years 2015–2019
Procurement Dollars (In Millions)

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Business Firms	$12,703	$13,982	$13,828	$14,132	$14,207
Educational	906	894	880	1,341	1,043
Nonprofit	878	968	925	1,102	807
JPL	1,847	2,133	2,353	2,260	3,023
Gov. Agencies	340	397	171	151	187
Outside U.S.	517	314	346	211	247
Total	$17,191	$18,688	$18,503	$19,197	$19,514

PERCENT OF TOTAL DOLLARS

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Business Firms	73.9%	74.8%	74.7%	73.6%	72.8%
Educational	5.3%	4.8%	4.8%	7.0%	5.3%
Nonprofit	5.1%	5.2%	5.0%	5.7%	4.1%
JPL	10.7%	11.4%	12.7%	11.8%	15.5%
Gov. Agencies	2.0%	2.1%	0.9%	0.8%	1.0%
Outside U.S.	3.0%	1.7%	1.9%	1.1%	1.3%
Total	100%	100%	100%	100%	100%

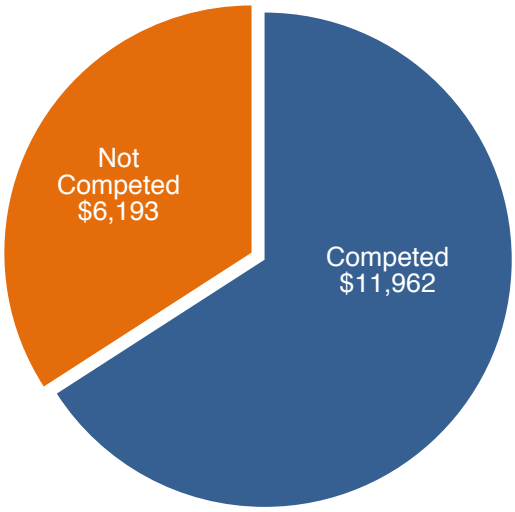
Appendix I shows the distribution of NASA procurements by type of contractor for all Fiscal Years beginning with 1961.

COMPETITION IN NASA AWARDS

A. Competition in Contracting Act

The Competition in Contracting Act (P.L. 98-369), with limited exceptions, requires full and open competition within the Federal Government. Full and open competition means that all responsible sources are permitted to submit sealed bids or competitive proposals on a given procurement.

Contracting without providing for full and open competition is allowable under certain circumstances. Written justification is required to award a procurement on an other than full and open competition basis.



B. Reporting of Competition

NASA developed a competition advocacy program to enhance and promote competition and to eliminate barriers to full and open competition. NASA has appointed an Agency competition advocate to oversee the program and each NASA Center has a designated competition advocate. Federal agencies are required to prepare and submit an annual report to the agency Senior Procurement Executive and the Chief Acquisition Officer in accordance with agency procedures.

Total Competition	Value (Millions)	Percent of Total
Competed	$11,962	65.9%
Not Competed*	$6,193	34.1%
Total	**$18,155**	**100%**

*Not Competed includes dollars for awards where only one responsible source is available, as well as for unusual or compelling urgency, industrial mobilization, international agreement, authorized or required by statute, national security, public interest, awards not available for competition, and follow-on awards. This data is pulled from the standard Government-wide FPDS Competition Report and does not include grants, cooperative agreements and other items NASA includes in FPDS that other agencies do not.

C. Competition during Fiscal Year 2019

Appendix II shows Competition to Business Firms for all Fiscal Years beginning with 1961.

Shown below are trends in the extent of competition in awards to business firms for Fiscal Years 2015–2019.

Trends In Awards By Extent Of Competition
Fiscal Years 2015–2019

Type Of Action	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Net Value of Awards (Millions)					
Total	$15,903	$17,274	$17,274	$18,035	$18,155
Competed	$10,788	$11,981	$11,724	$12,175	$11,962
Not Competed	$5,115	$5,293	$5,551	$5,860	$6,193
Percent of Total					
Total	100	100	100	100	100
Competed	67.8	69.4	69.4	67.9	65.9
Not Competed	32.2	30.6	30.6	32.1	34.1

AWARDS TO BUSINESS FIRMS

Awards by Contract Type

Fiscal Year 2019 – The table below depicts the trends in awards to business firms by contract type. The figure on the following page categorizes Fiscal Year 2019 awards of new contracts and modifications to existing contracts. Since Fiscal Year 2007, NASA has seen steady growth in the use of Fixed Price awards instead of Award Fee awards wherever possible. Since that time, NASA has more than doubled the procurement dollars spent on Fixed Price awards, from $2.1 billion in Fiscal Year 2007 to $5 billion in Fiscal Year 2019. The percentage of Fixed Price actions has risen during the same time from 65.1 percent to over 73 percent.

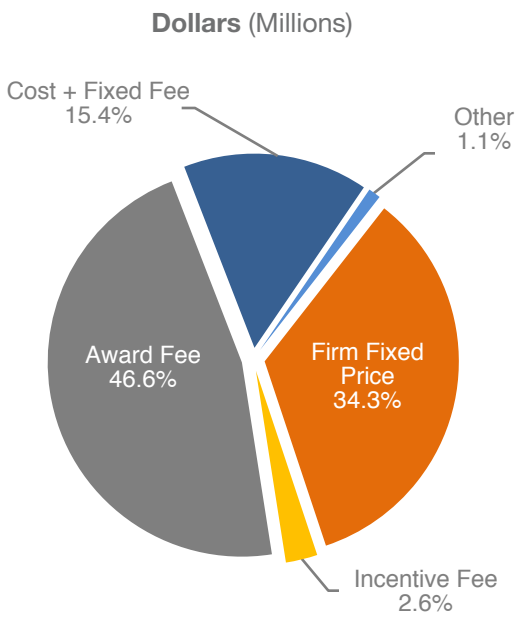
Trends In Awards To Business Firms By Contract Type*
Fiscal Years 2015–2019

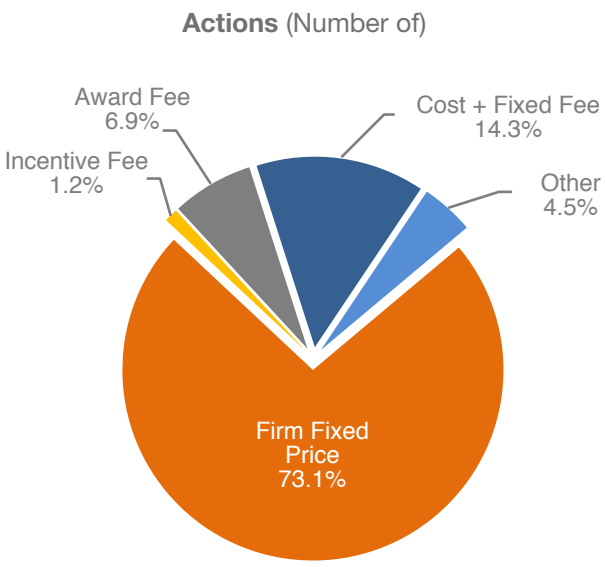
Procurement Dollars (In Millions)

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Firm Fixed Price	$4,489	$5,062	$4,928	$5,040	$4,955
Incentive Fee	$369	$295	$233	$310	$381
Award Fee	$6,464	$6,938	$6,760	$6,817	$6,723
Cost Plus Fixed Fee	$1,695	$3,963	$2,072	$1,997	$2,225
Other	$183	$142	$141	$141	$149
TOTAL BUSINESS	$13,201	$16,400	$14,134	$14,305	$14,433

PERCENT OF TOTAL DOLLARS

	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Firm Fixed Price	34%	31%	35%	35%	34%
Incentive Fee	3%	2%	1%	2%	3%
Award Fee	49%	42%	48%	48%	47%
Cost Plus Fixed Fee	13%	24%	15%	14%	15%
Other	1%	1%	1%	1%	1%
TOTAL BUSINESS	100%	100%	100%	100%	100%





Category	Amount (Millions)	Percent of Total	Actions (Number of)	Percent of Total
Firm Fixed Price	$4,950.7	34.3%	15,370	73.1%
FP Level of Effort	$4.1	0.0%	8	0.0%
Subtotal FFP	$4,954.8	34.3%	15,378	73.1%
Incentive Fee:				
Fixed Price Incentive Fee	0.6	0.0%	20	0.1%
Cost Plus Incentive Fee	380.6	2.6%	223	1.1%
Subtotal Incentive Fee	$381.2	2.6%	243	1.2%
Cost Plus Award Fee	6,723.4	46.6%	1,453	6.9%
Fixed Price Award Fee	-0.5	0.0%	4	0.0%
Subtotal Award Fee	$6,722.9	46.6%	1,457	6.9%
Cost Plus Fixed Fee	$2,225.0	15.4%	3,014	14.3%
Other:				
Fixed Price Redetermination	-	0.0%	-	0.0%
Economic Price Adj.	11.8	0.1%	147	0.7%
Cost No Fee	22.7	0.2%	46	0.2%
Cost Sharing	15.6	0.1%	26	0.1%
Labor Hours	0.5	0.0%	24	0.1%
Time and Materials	38.8	0.3%	272	1.3%
Order Dependent	13.5	0.1%	56	0.3%
Combination	0.9	0.0%	2	0.0%
Other	0.0	0.0%	1	0.0%
Blank*	44.9	0.3%	373	1.8%
Subtotal Other:	$148.7	1.1%	947	4.5%
Total	$14,432.6	100.0%	21,039	100%

*Contract type not required on BPA Calls, Grants, or Cooperative Agreements. Order Dependent applies to Indefinite Delivery Vehicles only. They allow pricing arrangement to be determined separately for each order. Combination and Other only apply to existing awards prior to 2010.

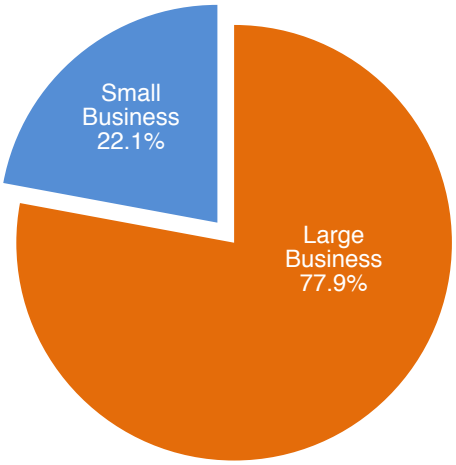
Figure 3

SMALL BUSINESS PARTICIPATION

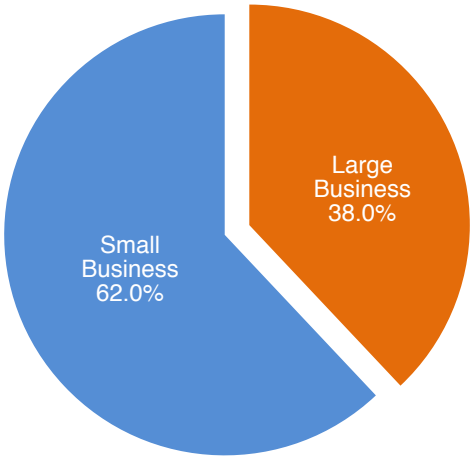
Total Small Business – During Fiscal Year 2019, NASA awards to small business firms totaled $3,138 million (below). The number of actions going to small business represents 62 percent of all business actions and 22.1 percent of all business dollars. In addition, the $3,138 million includes $722 million in new awards. New awards to small business firms represented 52.1 percent of NASA's total new contract awards of $1,481 million to all business firms during Fiscal Year 2019.

Small Business Participation
Fiscal Year 2019

Dollars (Millions)



Actions (Number of)



Category	Amount ($ Millions)	Percent of Total	Actions (Number of)	Percent of Total
Large Business	$11,069.8	77.9%	7,909	38.0%
Small Business	$3,137.6*	22.1%	12,914	62.0%
TOTAL BUSINESS	$14,207.4	100.0%	20,823	100.0%

*Includes $698 million awarded to small disadvantaged firms under Authority of Section 8(a) of the Small Business Act. Also includes $223.1 million awarded to small businesses through the Small Business Innovation Research and Small Business Technology Transfer Programs. Excludes awards with Place of Performance outside the United States.

Small Business Programs and Categories

(1) Small Business Set-Asides – Small business set-asides are defined as competitive awards that are limited only to small businesses. The small business set-aside program continues to exert a strong influence on the capability of small business firms to participate in the space program. In Fiscal Year 2019, these set-asides amounted to $1,616.3 million.

(2) Section 8(a) Business Development Program Awards – NASA awards contracts under the SBA's 8(a) program to eligible firms (typically small disadvantaged businesses). Awards are made on either a competitive or sole source basis. In FY 2019, 8(a) awards totaled $698 million.

(3) Small Business Innovation Research (SBIR) – The Small Business Innovation Research (SBIR) program is a highly competitive program that encourages domestic small businesses to engage in Federal Research/Research and Development (R/R&D) that has the potential for commercialization. During Fiscal Year 2019, NASA awarded 461 new SBIR contracts totaling $143.3 million. Of this amount, 348 were Phase I awards totaling $60 million and 113 were Phase II awards totaling $83.2 million. Also in Fiscal Year 2019, NASA funded on-going Phase I and II contracts totaling $3.6 million. Included in the total SBIR Phase I and II of $146.8, awards of $20.9 million, or 178 actions, were to small disadvantaged business firms, and $13.5 million, or 111 actions, were to women-owned firms.

(4) Small Business Technology Transfer (STTR) – The Small Business Technology Transfer (STTR) program expands public/private sector partnerships including joint venture opportunities for small businesses and nonprofit research institutions. STTR's most important role is to bridge the gap between performance of basic science and commercialization of resulting innovations. During Fiscal Year 2019, NASA awarded 60 new STTR contracts totaling $20.5 million. Of this amount, 39 were Phase I awards totaling $4.8 million, and 21 were Phase II awards totaling $15.7 million. Also in Fiscal Year 2019, NASA funded on-going Phase I and II STTR contracts totaling $1.7 million. Included in the total STTR Phase I and II of $22.2 million, awards of $3.6 million, or 14 actions, were to small disadvantaged business firms, and $1.5 million, or 14 actions, were to women-owned firms.

(5) Women-Owned Small Business Participation – In accordance with Executive Order 12138, Women's Business Enterprise, NASA extends a particular effort to ensure that business firms owned and controlled by women have an equitable opportunity to participate in NASA's procurement program. In Fiscal Year 2019, Women-Owned Small Business firms received prime contract awards totaling $783.2 million. Of this amount, $410.8 million was awarded to Women-Owned Small Disadvantaged Businesses.

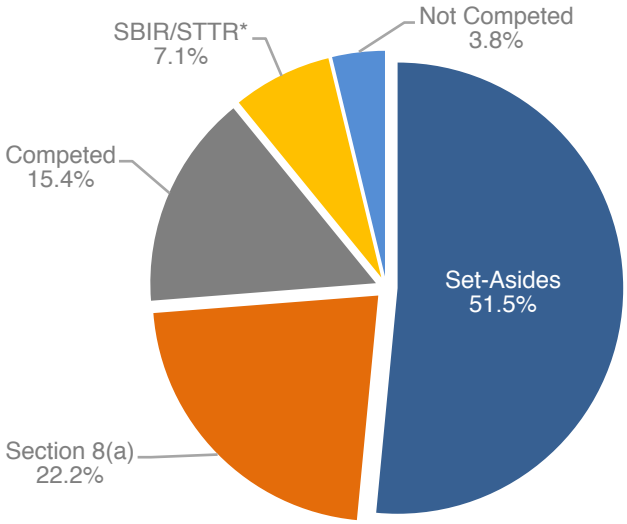
(6) HUBZone Small Business Awards – NASA awarded $135.3 million to HUBZone Small Business concerns in Fiscal Year 2019.

(7) Veteran-Owned Small Business Awards – In Fiscal Year 2019, NASA awarded $395 million to Veteran Owned Small Businesses. Of this amount, $235.2 million was awarded to Service Disabled Veteran Owned Small Businesses.

EXTENT OF COMPETITION IN SMALL BUSINESS AWARDS

Competition To Small Business Firms

Fiscal Year 2019



Category	Amount (Millions)	Percent of Total
Set-Asides	$1,616.3	51.5%
Section 8(a)	$698.0	22.2%
Competed	$481.9	15.4%
SBIR/STTR*	$223.1	7.1%
Not Competed	$118.3	3.8%
Total	**$3,137.6**	**100%**

*Includes Phase III SBIR/STTR obligations ($54 million).

Small Disadvantaged Business Participation

NASA's prime contract awards to small disadvantaged business firms during Fiscal Year 2019 totaled $1,383.9 million. NASA makes continuing efforts to include disadvantaged business participation through direct awards and awards placed under the provisions of Section 8(a) of the Small Business Act.

Trends In Small And Small Disadvantaged Business Awards

Fiscal Years 2015–2019
(Millions Of Dollars)

TYPE OF AWARD	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Section 8(a)	$551.4	$620.9	$621.5	$684.9	$698.0
Other Small Disadv. Business	$678.0	$649.3	$415.3	$818.7	$685.9
Total	**$1,229.4**	**$1,270.2**	**$1,036.8**	**$1,503.6**	**$1,383.9**

One Hundred Principal Contractors (Business Firms)

The 100 contractors that received the largest dollar value of NASA direct awards to business firms during Fiscal Year 2019 are shown below. The awards to these contractors accounted for 88.9 percent of the direct awards to business firms during the year. The smallest aggregate award to any contractor in the top 100 was in excess of $14.5 million. Of the top 100 contractors, 49 were small business firms and of these 21 were disadvantaged firms at the time of award.

One Hundred Contractors (Business Firms) Listed According To Total Awards Received Fiscal Year 2019

(S=Small Business/D=Disadvantaged Business)

					Awards
	Contractor			**Dollars**	**Percent**
	Total Awards To Business Firms			**$14,432,620,786**	**100%**
1.	BOEING			$1,745,511,700	12.09
2.	LOCKHEED MARTIN CORP			$1,356,612,524	9.40
3.	JACOBS TECHNOLOGY			$915,545,125	6.34
4.	SPACE EXPLORATION TECHNOLOGIES CORP			$914,646,103	6.34
5.	ORBITAL SCIENCES CORP			$636,538,754	4.41
6.	SCIENCE APPLICATIONS INTERNATIONAL CORP			$448,316,440	3.11
7.	SGT			$315,643,435	2.19
8.	AEROJET ROCKETDYNE OF DE			$312,165,333	2.16
9.	BECHTEL NATIONAL			$296,658,688	2.06
10.	ATK LAUNCH SYSTEMS			$279,201,566	1.93
11.	SPACE SYSTEMS/LORAL			$226,713,117	1.57
12.	UNITED LAUNCH SERVICES			$212,393,734	1.47
13.	SCIENCE SYSTEMS AND APPLICATIONS	S		$211,430,640	1.46
14.	SYNCOM SPACE SERVICES			$210,161,886	1.46
15.	HARRIS CORP			$194,201,021	1.35
16.	RUSSIA SPACE AGENCY			$184,529,618	1.28
17.	PERATON			$180,743,084	1.25
18.	WYLE LABORATORIES			$170,217,087	1.18
19.	JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY			$154,968,601	1.07
20.	NORTHROP GRUMMAN SPACE AND MISSION SYSTEMS CORP			$150,535,985	1.04
21.	AECOM MANAGEMENT SERVICES			$146,720,917	1.02
22.	HAMILTON SUNDSTRAND SPACE SYSTEMS INTERNATIONAL			$138,486,071	0.96
23.	INUTEQ	S	D	$135,023,094	0.94
24.	GENERAL DYNAMICS MISSION SYSTEMS			$125,647,629	0.87
25.	KBRWYLE TECHNOLOGY SOLUTIONS			$117,810,352	0.82
26.	ARCTIC SLOPE TECHNICAL SERVICES	S	D	$108,641,528	0.75

	Contractor			Awards Dollars	Awards Percent
27.	BALL AEROSPACE AND TECHNOLOGIES CORP			$108,198,210	0.75
28.	ATA AEROSPACE	S		$97,897,948	0.68
29.	RAYTHEON			$95,897,101	0.66
30.	PERSPECTA ENTERPRISE SOLUTIONS			$95,605,326	0.66
31.	AEROJET ROCKETDYNE			$89,544,838	0.62
32.	ANALYTICAL MECHANICS ASSOCIATES	S		$85,411,423	0.59
33.	SIERRA NEVADA CORP			$83,432,963	0.58
34.	ALCYON TECHNICAL SERVICES	S	D	$79,866,806	0.55
35.	MILLENNIUM ENGINEERING AND INTEGRATION CO	S		$76,883,262	0.53
36.	NORTHROP GRUMMAN SYSTEMS CORP			$76,180,565	0.53
37.	LEIDOS			$73,063,827	0.51
38.	TELEDYNE BROWN ENGINEERING			$65,795,622	0.46
39.	PAE APPLIED TECHNOLOGIES			$63,894,508	0.44
40.	BARRIOS TECHNOLOGY	S		$61,195,489	0.42
41.	HX5 SIERRA	S	D	$56,691,571	0.39
42.	YULISTA TACTICAL SERVICES	S		$55,556,317	0.38
43.	LJT AND ASSOCIATES			$55,201,246	0.38
44.	ADNET SYSTEMS	S		$49,609,717	0.34
45.	MANUFACTURING TECHNICAL SOLUTIONS	S		$48,703,647	0.34
46.	MORI ASSOCIATES	S		$48,262,058	0.33
47.	AERIE AEROSPACE	S	D	$47,569,734	0.33
48.	BOOZ ALLEN HAMILTON			$47,316,746	0.33
49.	ASRC FEDERAL DATA SOLUTIONS	S	D	$46,824,589	0.32
50.	DYNETICS			$46,721,716	0.32
51.	VANTAGE PARTNERS	S		$44,794,140	0.31
52.	TRAX INTERNATIONAL CORP			$44,002,665	0.30
53.	PAE-SGT PARTNERS			$42,840,561	0.30
54.	ASTROBOTIC TECHNOLOGY	S		$41,589,568	0.29
55.	SIERRA LOBO			$41,311,800	0.29
56.	ASRC RESEARCH AND TECHNOLOGY SOLUTIONS	S	D	$40,497,774	0.28
57.	HEALTHEON	S		$38,535,774	0.27
58.	AI SOLUTIONS			$38,514,800	0.27
59.	J.P. DONOVAN CONSTRUCTION	S		$37,677,068	0.26
60.	BASTION TECHNOLOGIES	S	D	$35,979,547	0.25
61.	ALL POINTS LOGISTICS	S		$35,810,163	0.25
62.	COLSA CORP	S		$35,455,369	0.25
63.	WALSH CONSTRUCTION COMPANY II			$31,216,925	0.22
64.	CSRA			$31,015,893	0.21
65.	ENGILITY CORP			$30,020,375	0.21

	Contractor			Awards Dollars	Awards Percent
66.	ZIN TECHNOLOGIES	S	D	$29,952,683	0.21
67.	MILLENNIUM ENGINEERING AND INTEGRATION SERVICES	S	D	$29,515,126	0.20
68.	PEERLESS TECHNOLOGIES CORP			$27,655,247	0.19
69.	GENERAL ELECTRIC CO			$26,664,477	0.18
70.	TRIDENT VANTAGE SYSTEMS	S	D	$26,310,262	0.18
71.	OMITRON	S		$25,565,290	0.18
72.	MILLENNIUM SPACE SYSTEMS	S		$24,812,857	0.17
73.	BUSINESS INTEGRA TECHNOLOGY SOLUTIONS	S	D	$23,980,606	0.17
74.	CHENEGA INFINITY	S	D	$23,950,185	0.17
75.	MADE IN SPACE	S		$23,744,468	0.16
76.	LEIDOS INNOVATIONS CORP			$23,474,265	0.16
77.	INTUITIVE MACHINES	S		$23,199,250	0.16
78.	AKIMA SUPPORT OPERATIONS	S	D	$21,962,466	0.15
79.	ARES TECHNICAL SERVICES CORP	S		$21,831,918	0.15
80.	MINBURN TECHNOLOGY GROUP	S		$21,801,086	0.15
81.	INTEGRATED MISSION SUPPORT SERVICES	S	D	$21,162,703	0.15
82.	TECHTRANS INTERNATIONAL	S		$21,077,702	0.15
83.	PTSI MANAGED SERVICES			$20,171,812	0.14
84.	NEW HORIZONS AERONAUTICS	S		$19,991,724	0.14
85.	ADVON CORP	S	D	$19,364,454	0.13
86.	VENESCO AND SAITECH JOINT VENTURE	S	D	$18,727,342	0.13
87.	AMERICAN-PARAGON PROTECTIVE SERVICES	S	D	$18,529,330	0.13
88.	INSTITUTO NACIONAL DE TECNICA AEROESPACIAL			$18,293,138	0.13
89.	DAVENPORT AVIATION	S		$18,262,569	0.13
90.	CACI NSS			$18,113,505	0.13
91.	ALUTIIQ FUSION	S	D	$17,506,177	0.12
92.	CORNELL TECHNICAL SERVICES	S		$17,368,469	0.12
93.	CH2M HILL			$17,298,406	0.12
94.	AECOM TECHNICAL SERVICES			$16,613,866	0.12
95.	VICTORY SOLUTIONS	S		$15,769,660	0.11
96.	AL RAZAQ COMPUTING SERVICES	S	D	$15,036,218	0.10
97.	VERTEX AEROSPACE			$15,017,543	0.10
98.	L&M TECHNOLOGIES	S		$14,798,572	0.10
99.	WOLF CREEK FEDERAL SERVICES	S	D	$14,594,462	0.10
100.	M & D MECHANICAL CONTRACTORS	S		$14,539,344	0.10
	OTHER			$1,592,311,921	11.05

CONTRACT FOR OPERATION OF THE JET PROPULSION LABORATORY

The Jet Propulsion Laboratory (JPL) is a Federally funded research and development center operated for NASA by the California Institute of Technology. The Laboratory implements programs in planetary exploration, Earth science, space-based astronomy and technology development, while applying its capabilities to technical and scientific problems of national significance. The primary emphasis of the Laboratory's effort is to conduct robotic exploration of the solar system.

Total JPL awards during Fiscal Year 2019 amounted to $3,022.7 million. Of this amount, JPL awarded $1,032.9 million as subcontracts with business firms.

AWARDS TO EDUCATIONAL AND OTHER NONPROFIT INSTITUTIONS

Distribution by Type of Institution and Award

During Fiscal Year 2019, NASA awarded $1,850.1 million to educational and other nonprofit institutions. Of this amount, $1,043.2 million was awarded to educational institutions and $806.9 million to other nonprofit organizations.

Awards To Educational Institutions And Nonprofit Organizations*

Type of Award	Total (Millions)	Educational Institutions (Millions)	Nonprofit Organizations (Millions)
Contracts	$601.4	$235.1	$366.3
Grants	$699.6	$567.2	$132.4
Cooperative Agreements	$427.3	$227.3	$200.0
Purchase/Delivery Orders	$121.9	$13.6	$108.2
Total	$1,850.2	$1,043.2	$806.9

* Excludes JPL and awards with a Place of Performance outside of the United States.

In addition to the $699.6 million in grant awards to educational and nonprofit firms, NASA also awarded $31.4 million in grants to business firms bringing the total grant awards to $731 million. Cooperative Agreements were $440.7 million when awards to business firms of $13.4 million were included.

ONE HUNDRED PRINCIPAL EDUCATIONAL AND NONPROFIT INSTITUTIONS

The 100 educational and nonprofit institutions that received the largest dollar value of NASA awards during Fiscal Year 2019 are shown below.*

The awards to these institutions accounted for 88.8 percent of the total awards to educational and nonprofit institutions during the period. Of the top 100, 69 were educational institutions; 31 were nonprofit organizations.

*Excludes JPL

One Hundred Educational And Nonprofit Institutions Listed According To Total Awards Received Fiscal Year 2019

(NP=Nonprofit Institution)

			Awards	
	Institution		**Dollars**	**Percent**
	Total Awards To Educational and Nonprofit		**$1,871,601,350**	**100%**
1.	UNIVERSITIES SPACE RESEARCH ASSOCIATION	NP	$148,472,845	7.93
2.	ASSOCIATION OF UNIVERSITIES FOR RESEARCH IN ASTRONOMY	NP	$147,109,886	7.86
3.	UNIVERSITY OF COLORADO		$97,694,586	5.22
4.	SMITHSONIAN INSTITUTION	NP	$78,671,821	4.20
5.	SOUTHWEST RESEARCH INSTITUTE	NP	$71,772,878	3.83
6.	UNIVERSITY OF MARYLAND		$70,590,430	3.77
7.	AEROSPACE CORP	NP	$58,883,548	3.15
8.	UNIVERSITY OF ARIZONA		$54,822,435	2.93
9.	UNIVERSITY OF OKLAHOMA		$42,851,685	2.29
10.	UNIVERSITY OF CALIFORNIA BERKELEY		$37,186,084	1.99
11.	ARIZONA STATE UNIVERSITY		$32,055,916	1.71
12.	CALIFORNIA INSTITUTE OF TECHNOLOGY		$30,438,538	1.63
13.	JOHNS HOPKINS UNIVERSITY		$27,360,702	1.46
14.	UNIVERSITY OF HAWAII		$23,956,199	1.28
15.	NATIONAL INSTITUTE OF AEROSPACE ASSOCIATES	NP	$22,623,253	1.21
16.	MASSACHUSETTS INSTITUTE OF TECHNOLOGY		$20,918,823	1.12
17.	UNIVERSITY OF MICHIGAN DEARBORN		$20,752,773	1.11
18.	SAN JOSE STATE UNIVERSITY RESEARCH FOUNDATION	NP	$20,600,066	1.10
19.	BAYLOR COLLEGE OF MEDICINE		$20,576,695	1.10
20.	UNIVERSITY OF ALABAMA HUNTSVILLE		$20,321,448	1.09
21.	UNIVERSITY OF WASHINGTON		$19,650,768	1.05
22.	BAY AREA ENVIRONMENTAL RESEARCH INSTITUTE	NP	$19,544,202	1.04
23.	SETI INSTITUTE	NP	$18,669,199	1.00

	Institution		Awards Dollars	Awards Percent
24.	UNIVERSITY CORP FOR ATMOSPHERIC RESEARCH	NP	$17,953,026	0.96
25.	COLUMBIA UNIVERSITY		$17,630,853	0.94
26.	UNIVERSITY OF CALIFORNIA LOS ANGELES		$16,927,213	0.90
27.	UNIVERSITY OF ALASKA FAIRBANKS		$16,921,160	0.90
28.	UNIVERSITY OF MARYLAND BALTIMORE		$16,292,641	0.87
29.	COMMONWEALTH SCIENTIFIC AND INDUSTRIAL RESEARCH ORG.	NP	$15,506,164	0.83
30.	PENNSYLVANIA STATE UNIVERSITY		$15,021,333	0.80
31.	CENTER FOR THE ADVANCEMENT OF SCIENCE IN SPACE	NP	$15,000,000	0.80
32.	GEORGIA TECH RESEARCH CORP	NP	$14,865,155	0.79
33.	UTAH STATE UNIVERSITY RESEARCH FOUNDATION	NP	$14,184,621	0.76
34.	STANFORD UNIVERSITY		$13,771,928	0.74
35.	UNIVERSITY OF WISCONSIN		$13,508,962	0.72
36.	UNIVERSITY OF ILLINOIS		$12,532,154	0.67
37.	UNIVERSITY OF TEXAS AUSTIN		$11,571,881	0.62
38.	UNIVERSITY OF NEW HAMPSHIRE		$11,548,769	0.62
39.	UNIVERSITY OF CALIFORNIA SAN DIEGO		$11,171,066	0.60
40.	CATHOLIC UNIVERSITY OF AMERICA		$10,470,149	0.56
41.	PRINCETON UNIVERSITY		$10,241,164	0.55
42.	OHIO STATE UNIVERSITY		$9,644,503	0.52
43.	PLANETARY SCIENCE INSTITUTE	NP	$9,288,937	0.50
44.	UNIVERSITY OF CENTRAL FLORIDA		$8,983,911	0.48
45.	WEST VIRGINIA UNIVERSITY RESEARCH CORP	NP	$8,937,154	0.48
46.	NATIONAL ACADEMY OF SCIENCES	NP	$8,662,169	0.46
47.	PURDUE UNIVERSITY		$8,503,786	0.45
48.	UNIVERSITY OF ALABAMA BIRMINGHAM		$8,050,267	0.43
49.	OKLAHOMA STATE UNIVERSITY RESEARCH FOUNDATION	NP	$7,540,909	0.40
50.	BREVARD ACHIEVEMENT CENTER	NP	$7,224,460	0.39
51.	UNIVERSITY OF CALIFORNIA IRVINE		$7,036,858	0.38
52.	MELWOOD HORTICULTURAL TRAINING CENTER	NP	$7,009,274	0.37
53.	COLORADO STATE UNIVERSITY		$6,320,028	0.34
54.	WASHINGTON UNIVERSITY		$6,136,632	0.33
55.	TEXAS A&M ENGINEERING EXPERIMENT STATION		$6,120,093	0.33
56.	UNIVERSITY OF FLORIDA		$5,741,891	0.31
57.	HARVARD COLLEGE		$5,716,612	0.31
58.	CORNELL UNIVERSITY		$5,704,876	0.30
59.	BOSTON UNIVERSITY		$5,677,515	0.30
60.	WOODS HOLE OCEANOGRAPHIC INSTITUTION	NP	$5,634,101	0.30
61.	AUBURN UNIVERSITY		$5,614,516	0.30
62.	MONTANA STATE UNIVERSITY		$5,590,550	0.30
63.	DARTMOUTH COLLEGE		$5,543,444	0.30

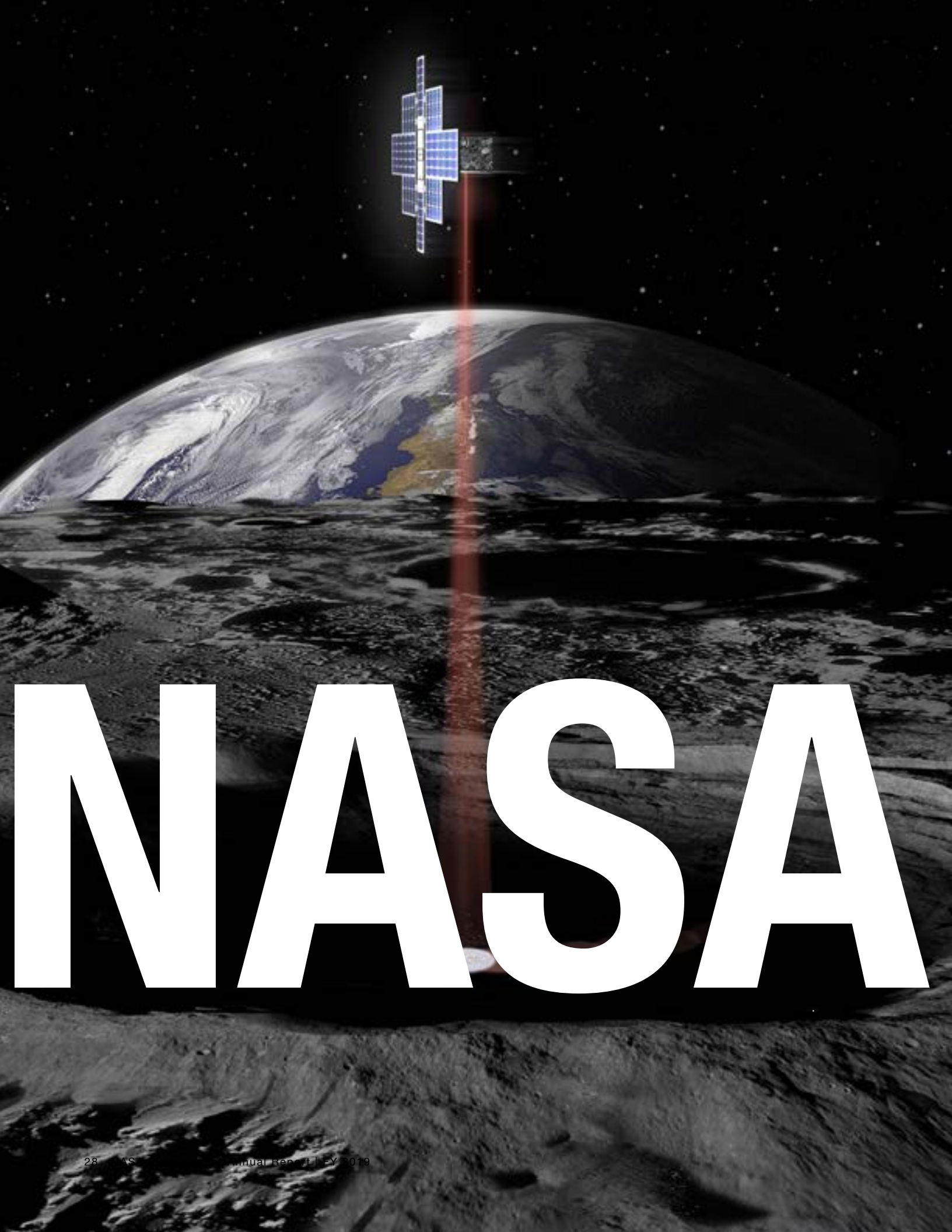
	Institution		Awards Dollars	Awards Percent
64.	CHARLES STARK DRAPER LABORATORY	NP	$5,356,773	0.29
65.	RESEARCH FOUNDATION STATE UNIVERSITY OF NEW YORK	NP	$5,325,112	0.28
66.	CARNEGIE MELLON UNIVERSITY		$5,315,131	0.28
67.	UNIVERSITY OF CALIFORNIA SANTA BARBARA		$5,311,342	0.28
68.	UNIVERSITY OF MINNESOTA		$5,289,262	0.28
69.	OREGON STATE UNIVERSITY		$5,139,121	0.27
70.	CITY OF HAMPTON	NP	$5,127,460	0.27
71.	SRI INTERNATIONAL	NP	$5,046,208	0.27
72.	UNIVERSITY OF TENNESSEE		$4,735,804	0.25
73.	SPACE SCIENCE INSTITUTE	NP	$4,704,589	0.25
74.	UNIVERSITY OF IOWA		$4,542,560	0.24
75.	UNIVERSITY OF CALIFORNIA DAVIS		$4,536,902	0.24
76.	UNIVERSITY OF MASSACHUSETTS		$4,344,779	0.23
77.	WILLIAM MARSH RICE UNIVERSITY		$4,222,324	0.23
78.	GEORGE MASON UNIVERSITY		$4,180,122	0.22
79.	CALIFORNIA ASSOCIATION FOR RESEARCH IN ASTRONOMY	NP	$4,174,467	0.22
80.	UNIVERSITY OF CHICAGO		$4,043,011	0.22
81.	UNIVERSITY OF PENNSYLVANIA		$3,982,909	0.21
82.	UNIVERSITY OF CALIFORNIA SANTA CRUZ		$3,979,486	0.21
83.	MICHIGAN TECHNOLOGICAL UNIVERSITY		$3,965,335	0.21
84.	A & N ELECTRIC COOPERATIVE	NP	$3,831,073	0.20
85.	NORTHWESTERN UNIVERSITY		$3,804,006	0.20
86.	RESEARCH FOUNDATION CITY UNIVERSITY OF NEW YORK	NP	$3,670,125	0.20
87.	UNIVERSITY OF NEVADA		$3,349,319	0.18
88.	SOUTHERN RESEARCH INSTITUTE	NP	$3,225,365	0.17
89.	YALE UNIVERSITY		$3,219,631	0.17
90.	ANDOYA SPACE CENTER	NP	$3,180,043	0.17
91.	HAMPTON UNIVERSITY		$3,100,868	0.17
92.	BROWN UNIVERSITY		$3,079,437	0.16
93.	UNIVERSITY OF DELAWARE		$3,024,364	0.16
94.	NEW MEXICO STATE UNIVERSITY		$2,896,283	0.15
95.	VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY		$2,842,461	0.15
96.	TEXAS A&M UNIVERSITY		$2,840,528	0.15
97.	UNIVERSITY OF IDAHO		$2,834,444	0.15
98.	UNIVERSITY OF MIAMI		$2,809,785	0.15
99.	MICHIGAN STATE UNIVERSITY		$2,788,151	0.15
100.	TEXAS A&M UNIVERSITY-CORPUS CHRISTI		$2,753,605	0.15
	OTHER		$209,703,660	11.24

**Local governments, such as the City of Hampton, number 57, are not technically nonprofits, but are treated as such in this report.

Awards By Type Of Effort

During Fiscal Year 2019, $19,326 million was awarded in categories of research and development, services and supplies and equipment. A breakout of these awards by category is shown below. Not included are purchases less than the micropurchase threshold.

Category	Total (Millions)	Number of Actions
Total	**$19,326.4**	**35,291**
Research and Development	**$11,235.3**	**18,815**
Space Science and Applications	$4,798.9	13,100
Aeronautics and Space Technology	$2,363.7	2,872
Space Flight	$1,701.9	205
Space Station	$619.3	345
Space Operations	$250.5	110
Commercial Programs	$1.5	8
Other Space R&D	$198.9	138
Other R&D	$1,300.6	2,037
Services	**$6,734.5**	**12,128**
Professional, Admin. and Mgmt. Support	$2,231.0	4,449
Transportation, Travel and Relocation Svc.	$1,887.4	335
Information Technology and Telecommunications	$1,005.9	2,235
Operation of Structures/Facilities	$406.0	402
Utilities and Housekeeping	$345.2	715
Construction of Structures and Facilities	$226.8	673
Maint., Repair or Alteration Real Property	$222.6	699
Special Studies and Analyses-Not R&D	$111.7	330
Architect and Engineering Services	$100.3	693
Maint., Repair and Rebuilding of Equipment	$95.0	425
Other Services	$102.6	1,172
Supplies and Equipment	**$1,356.6**	**4,348**
Space Vehicles	$517.3	233
Aircraft and Airframe Structural Components	$274.8	65
Instruments and Laboratory Equipment	$183.8	868
Aircraft Components and Accessories	$157.4	343
Engines, Turbines and Components	$56.5	31
IT Equipment, Software,Supplies& Support Equipment	$40.4	1,147
Communication, Detection and Coherent Radiation Equip.	$26.5	393
Fuels, Lubricants, Oils and Waxes	$26.5	299
Chemicals and Chemical Products	$12.0	71
Electrical and Electronic Equip. Components	$11.3	189
Other Supplies and Equipment	$50.1	709


NASA

AWARDS THROUGH OTHER GOVERNMENT AGENCIES

During Fiscal Year 2019, $187.4 million was awarded through other Government agencies. The following table shows the distribution of these awards by agency.

Awards Through Other Government Agencies

Fiscal Year 2019

Agency	Total (Millions)	Percent of Total
	$187.3	**100**
Army	61.0	32.6
Energy	35.4	18.9
Defense Department	29.4	15.7
Air Force	23.6	12.6
Navy	13.5	7.2
Interior	11.1	5.9
Commerce	4.4	2.3
National Science Foundation	3.2	1.7
General Services Administration	2.2	1.2
Health & Human Services	1.8	1.0
Other	1.7	0.9

U.S. Geographical Distribution Of Awards

In Fiscal Year 2019, states and the District of Columbia participated in NASA's direct awards. The distribution of awards is also shown by region. (See page 30).

The categorization of NASA procurements by state is based on the location where the items are to be produced or supplied from stock, where the services will be performed or, with respect to construction contracts, the construction site. This table excludes awards outside the United States and awards that, for a number of reasons, may not have a place of performance listed. In Fiscal Year 2019, there were 3,810 actions with no Place of Performance. These actions totals $3.5 million. (Note: The total is actually the same as last year).

U.S. Geographical Distribution of NASA Prime Contract Awards

Fiscal Year 2019

State	Total	Business	Educational & Nonprofit
TOTAL	**$15,575,678,443**	**$13,787,238,699**	**$1,788,439,744**
ALABAMA	$1,584,360,985	$1,551,149,128	$33,211,857
ALASKA	$17,889,593	$268,521	$17,621,072
ARIZONA	$129,811,525	$29,374,475	$100,437,050
ARKANSAS	$3,503,627	$1,002,584	$2,501,043
CALIFORNIA	$4,699,534,608	$4,409,787,525	$289,747,083
COLORADO	$1,410,404,047	$1,294,298,483	$116,105,564
CONNECTICUT	$32,483,909	$27,209,788	$5,274,121
DELAWARE	$8,084,968	$2,101,698	$5,983,270
DIST COLUMBIA	$147,415,336	$107,323,873	$40,091,463
FLORIDA	$1,228,307,203	$1,175,257,195	$53,050,008
GEORGIA	$24,631,960	$6,442,056	$18,189,904
HAWAII	$24,597,604	$535,885	$24,061,719
IDAHO	$4,259,985	$433,751	$3,826,234
ILLINOIS	$32,672,687	$10,686,327	$21,986,360
INDIANA	$114,223,498	$104,735,001	$9,488,497
IOWA	$7,943,558	$1,571,410	$6,372,148
KANSAS	$13,579,176	$10,059,476	$3,519,700
KENTUCKY	$7,006,386	$3,353,767	$3,652,619
LOUISIANA	$26,378,030	$22,492,576	$3,885,454
MAINE	$5,664,328	$720,528	$4,943,800
MARYLAND	$1,820,112,182	$1,467,331,254	$352,780,928
MASSACHUSETTS	$171,575,915	$43,701,925	$127,873,990
MICHIGAN	$37,172,334	$8,873,614	$28,298,720
MINNESOTA	$10,579,417	$4,108,508	$6,470,909
MISSISSIPPI	$422,992,068	$420,226,936	$2,765,132
MISSOURI	$37,245,609	$29,909,145	$7,336,464
MONTANA	$9,256,790	$2,398,001	$6,858,789
NEBRASKA	$3,994,215	$2,734,765	$1,259,450
NEVADA	-$18,449,154	-$23,708,437	$5,259,283
NEW HAMPSHIRE	$41,995,746	$22,571,030	$19,424,716
NEW JERSEY	$29,078,086	$12,852,546	$16,225,540
NEW MEXICO	$39,146,811	$31,484,603	$7,662,208
NEW YORK	$174,801,312	$132,855,407	$41,945,905
NORTH CAROLINA	$17,392,616	$10,566,938	$6,825,678
NORTH DAKOTA	$3,191,726	$1,206,783	$1,984,943
OHIO	$270,745,270	$242,088,793	$28,656,477
OKLAHOMA	$52,595,251	$444,196	$52,151,055
OREGON	$14,431,757	$6,550,824	$7,880,933
PENNSYLVANIA	$88,063,177	$60,354,443	$27,708,734
RHODE ISLAND	$4,814,692	$974,317	$3,840,375

State	Total	Business	Educational & Nonprofit
SOUTH CAROLINA	$6,736,678	$1,127,313	$5,609,365
SOUTH DAKOTA	$3,475,514	$2,502,017	$973,497
TENNESSEE	$13,996,168	$7,111,489	$6,884,679
TEXAS	$1,348,910,043	$1,211,633,722	$137,276,321
UTAH	$995,625,365	$943,181,317	$52,444,048
VERMONT	$78,581,495	$56,063,162	$22,518,333
VIRGINIA	$44,399,503	$35,146,192	$9,253,311
WASHINGTON	$20,936,425	$6,001,171	$14,935,254
WEST VIRGINIA	$2,030,338	$893,520	$1,136,818
WISCONSIN	$0	$0	$0
WYOMING	$3,501,128,309	$58,261,702	$3,442,866,607

U.S. Geographical Distribution Of NASA Prime Contract Awards

Fiscal Year 2019

GRAND TOTAL	**$15,575,678,443**
Region & State	Total
NEW ENGLAND	**$258,893,301**
Connecticut	32,483,909
Maine	5,664,328
Massachusetts	171,575,915
New Hampshire	41,995,746
Rhode Island	4,814,692
Vermont	2,358,711
MID ATLANTIC	**$2,267,555,061**
Delaware	8,084,968
Dist Columbia	147,415,336
Maryland	1,820,112,182
New Jersey	29,078,086
New York	174,801,312
Pennsylvania	88,063,177
SOUTHEAST	**$4,375,330,589**
Alabama	1,584,360,985
Arkansas	3,503,627
Florida	1,228,307,203
Georgia	24,631,960
Kentucky	7,006,386
Louisiana	26,378,030
Mississippi	422,992,068
North Carolina	17,392,616
South Carolina	6,736,678
Tennessee	13,996,168
Virginia	995,625,365
West Virginia	44,399,503
GREAT LAKES	**$475,750,214**
Illinois	32,672,687
Indiana	114,223,498
Michigan	37,172,334
Ohio	270,745,270
Wisconsin	20,936,425
PLAINS	**$80,009,215**
Iowa	7,943,558
Kansas	13,579,176
Minnesota	10,579,417
Missouri	37,245,609
Nebraska	3,994,215
North Dakota	3,191,726
South Dakota	3,475,514
SOUTHWEST	**$1,570,463,630**
Arizona	129,811,525
New Mexico	39,146,811
Oklahoma	52,595,251
Texas	1,348,910,043
ROCKY MOUNTAIN	**$1,731,090,530**
Colorado	1,410,404,047
Idaho	4,259,985
Montana	9,256,790
Utah	305,139,370
Wyoming	2,030,338
FAR WEST	**$4,774,098,706**
California	4,699,534,608
Nevada	-18,449,154
Oregon	14,431,757
Washington	78,581,495
ALASKA & HAWAII	**$42,487,197**
Alaska	17,889,593
Hawaii	24,597,604

Awards Placed Outside The United States

During Fiscal Year 2019, NASA placed $248.2 million in awards that are being performed outside of the United States. These awards are being performed in 23 countries.*

Place of Performance

Direct NASA Awards	**$210,846,151**
Australia	$13,993,756
Austria	$1,430,000
Belgium	$3,683,346
Brazil	$81,562
Canada	$3,210,167
Chile	$65,369
Denmark	$1,137,061
Finland	$16,000
France	$296,526
Germany	$935,736
Ireland	$66,000
Italy	$120,586
Japan	$51,125
Netherlands	$9,870,880
Norway	$3,281,233
Peru	$28,412
Russian Federation	$185,889,031
Singapore	$24,000
Spain	$22,200,847
Sweden	$24,150
Switzerland	$571,747
Ukraine	$48,000
United Kingdom/Great Britain/Northern Ireland	$1,219,640
Vietnam	$16,134
	$248,261,309

* Does not include obligations of $3.2 million to Puerto Rico, $125,000 to the Virgin Islands, or $124,623 to Guam, all of which are U.S. territories.

Procurement Activity By Installation

Most of NASA's purchases and contracts are made by the procurement offices of its field installations.

Installation	Total (Millions)	Percent of Total
Total	$19,327	100%
Johnson Space Center	$4,571.9	24%
NASA Management Office*	$3,056.1	16%
Goddard Space Flight Center	$2,880.3	15%
Marshall Space Flight Center	$2,631.9	14%
Kennedy Space Center	$1,900.3	10%
NASA Shared Services Center	$1,870.9	10%
Glenn Research Center	$646.9	3%
Ames Research Center	$526.9	3%
Langley Research Center	$469.2	2%
NASA Headquarters	$273.1	1%
Stennis Space Center	$269.9	1%
Armstrong Flight Research Center	$229.6	1%

Does not include Intragovernmentals.

*Includes both the Jet Propulsion Laboratory and the Applied Physics Laboratory.

NASA

Glossary

The data contained in this publication were compiled on the basis of the definitions given below:

1. Sealed Bids – Procurement actions resulting from acceptance of bids made by contractors in response to invitations for bid.
2. Award – See procurement action.
3. Coverage
   a. Summary data are provided in terms of obligations on all procurement actions (see item 8). The obligation data are obtained from the Federal Procurement Data System (FPDS-NG).
   b. Detailed data – Information on procurements includes all contracts, grants and cooperative agreements. Wherever exclusions apply, a generalized footnote is provided.
4. Intragovernmental – Procurement actions placed through other Government agencies, except orders placed under Federal Supply Schedule contracts and awards to small disadvantaged business through the Small Business Administration under Section 8(a) of the Small Business Act.
5. Modifications – Any written alteration in the specifications, delivery point, contract period, price, quantity or other contract requirement of an existing contract, whether accomplished by unilateral action in accordance with a contract clause or by mutual agreement of the parties to the contract. It includes (a) bilateral actions, such as supplemental agreements, and (b) unilateral actions, such as change orders, notices of termination and notices of the exercise of an option.
6. Competitive – Procurements where offers are solicited from more than one responsible offeror capable of satisfying the Government's requirements wholly or partially, and the award or awards were made on the basis of price, design or technical competition.
7. Other than Competitive – Procurements where an offer was solicited and received from only one responsible offeror capable of satisfying the Government's requirements wholly or partially. (Includes contracts resulting from unsolicited proposals.)
8. Procurement Action (Award) – Any contractual action to obtain supplies, services or construction that increases or decreases funds, including:
   a. Letter contracts or other preliminary notices of negotiated awards.
   b. Definitive contracts, including purchase orders.
   c. Orders under GSA Federal Supply Schedule contracts and basic ordering agreements and against indefinite delivery type contracts.
   d. Intragovernmental orders.
   e. Grants.
   f. Cooperative Agreements.
   g. Supplemental agreements, change orders, administrative changes and terminations to existing procurements.
9. Small Business – For purposes of Government procurement, a small business is a profit making concern, including its affiliates, which is independently owned and operated, is not dominant in its field and further qualifies under the size standards criteria of the Small Business Administration (SBA). These criteria are published under Title 13 of the Code of Federal Regulations, Section 121.3-8, and in the Federal Acquisition Regulation, Part 19, Subpart 19.1. For service industries, the size standard generally is based on average annual receipts over a three year period, depending on the service to be procured. Generally, in the case of agricultural or manufactured products, the size standards are determined on the basis of number of employees. The applicable size standard is prescribed in each NASA solicitation.

Appendix I

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 1961 – 1970

Type	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970
					Net Value of Awards (Millions)					
Total	$755.5	$1,550.6	$3,230.5	$4,593.9	$5,187.4	$5,031.6	$4,650.9	$4,132.7	$3,652.0	$3,405.6
Business Firms	423.3	1,030.1	2,261.7	3,521.1	4,141.4	4,087.7	3,864.1	3,446.7	3,022.3	2,759.2
Educational	24.5***	50.2***	86.9	112.9	139.5	150.0	132.9	131.5	131.3	134.3
Nonprofit			15.3	29.1	25.3	27.7	39.6	33.6	32.3	33.0
JPL	86.0	148.5	230.2	226.2	247.2	230.3	222.2	207.2	156.3	179.8
Government	221.7	321.8	628.5	692.6	622.8	512.5	366.9	287.0	279.0	265.8
Outside U.S.	*	*	7.9	12.0	11.2	23.4	25.2	26.7	30.8	33.5
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	56	66	70	77	79	81	83	83	83	81
Educational	3***	3***	3	2	3	3	3	3	4	4
Nonprofit			* *	1	1	1	1	1	1	1
JPL	12	10	7	5	5	5	5	5	4	5
Government	29	21	20	15	12	10	8	7	7	8
Outside U.S.	*	*	* *	* *	* *	* *	* *	1	1	1

*Included in Government.

**Less than 0.5 percent.

***Combined total of Educational and Nonprofit values.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 1971 – 1979

Type	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 197T**	FY 1977	FY 1978	FY 1979
					Net Value of Awards (Millions)					
Total	$2,858.2	$2,737.8	$2,673.4	$2,713.6	$2,866.4	$3,204.6	$829.8	$3,532.3	$3,659.6	$4,211.8
Business Firms	2,279.5	2,143.3	2,063.8	2,118.6	2,255.0	2,536.1	663.2	2,838.1	2,953.8	3,416.4
Educational	133.9	118.8	111.7	97.8	111.4	123.0	27.7	125.5	137.2	147.2
Nonprofit	29.3	28.0	26.4	39.3	33.0	32.0	7.6	32.0	42.8	50.8
JPL	173.3	210.8	202.3	215.2	234.5	263.7	63.6	289.0	283.8	338.6
Government	212.5	207.8	235.2	208.6	198.3	222.4	63.9	223.2	216.0	221.4
Outside U.S.	29.7	29.1	34.0	34.1	34.2	27.4	3.8	24.5	26.0	37.4
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	78	77	78	79	79	80	80	81	81
Educational	5	4	4	4	4	4	3	4	4	4
Nonprofit	1	1	1	1	1	1	1	1	1	1
JPL	6	8	8	8	8	8	8	8	8	8
Government	7	8	9	8	7	7	8	6	5	5
Outside U.S.	1	1	1	1	1	1	*	1	1	1

*Less than 0.5 percent.

**FY197T represents the transition from a June-July Fiscal Year to the October-September Fiscal Year.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 1980 – 1989

Type	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1986	FY 1987	FY 1988	FY 1989
					Net Value of Awards (Millions)					
Total	$4,842.6	$5,408.3	$5,883.7	$6,796.8	$7,354.1	$8,298.0	$8,179.7	$8,609.8	$9,545.1	$10,876.4
Business Firms	3,868.3	4,272.8	4,805.6	5,586.0	5,967.4	6,652.9	6,356.0	6,540.5	7,274.9	8,567.6
Educational	177.0	192.5	187.0	211.3	222.6	256.9	276.6	315.4	370.3	464.2
Nonprofit	82.2	155.1	108.8	102.5	98.6	103.1	119.0	119.1	129.5	180.0
JPL	397.2	410.8	426.3	454.9	533.1	724.6	891.3	1,005.6	979.9	1,058.1
Government	271.8	321.9	308.1	394.2	494.3	525.1	489.7	594.9	734.6	543.2
Outside U.S.	46.1	55.2	47.9	47.9	38.1	35.4	47.1	34.3	55.9	63.3
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	79	82	82	81	80	78	76	76	79
Educational	3	3	3	3	3	3	3	4	4	4
Nonprofit	2	3	2	1	1	1	1	1	1	2
JPL	8	8	7	7	7	9	11	12	10	10
Government	6	6	5	6	7	6	6	7	8	5
Outside U.S.	1	1	1	1	1	1	1	*	1	*

*Less than 0.5 percent.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 1990 – 1999

Type	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
					Net Value of Awards (Millions)					
Total	$12,565.2	$13,159.0	$13,478.2	$13,160.4	$12,913.1	$13,341.4	$12,699.2	$12,789.5	$12,561.2	$12,674.6
Business Firms	10,071.5	10,417.3	10,716.7	10,497.9	9,965.7	10,311.5	9,800.8	9,817.2	9,550.5	9,386.5
Educational	513.6	592.0	659.3	707.8	730.9	814.4	745.7	807.7	898.1	1,019.0
Nonprofit	200.6	244.0	297.8	336.6	311.0	311.1	287.9	383.4	406.3	431.2
JPL	1,106.8	1,139.6	1,229.6	1,029.8	1,093.4	1,135.0	1,188.3	1,126.2	1,171.3	1,294.6
Government	610.4	693.4	498.6	508.4	642.6	562.7	484.7	464.3	407.7	389.6
Outside U.S.	62.3	72.7	76.2	79.9	169.5	206.7	191.8	190.7	127.3	153.7
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	80	79	79	80	77	77	77	77	76	74
Educational	4	4	5	5	6	6	6	6	7	8
Nonprofit	2	2	2	3	2	2	2	3	3	4
JPL	9	9	9	8	9	9	9	9	9	10
Government	5	5	4	4	5	4	4	4	4	3
Outside U.S.	*	1	1	*	1	2	2	1	1	1

*Less than 0.5 percent.

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 2000 – 2009

Type	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009
					Net Value of Awards (Millions)					
Total	$12,504.7	$12,748.1	$13,302.5	$13,273.7	$13,472.4	$15,342.0	$15,846.3	$14,363.3	$16,785.4	$16,727.0
Business Firms	9,272.8	9,209.7	9,568.9	9,510.4	9,025.6	10,358.0	11,467.4	10,548.3	12,371.8	12,305.2
Educational	995.1	1,083.9	1,194.0	1,224.6	1,144.5	1,480.0	1,167.7	853.0	1,085.2	1,124.0
Nonprofit	465.8	523.4	582.5	575.5	614.6	740.0	671.3	467.4	587.1	619.9
JPL	1,291.3	1,451.7	1,404.1	1,290.4	1,963.7	1,771.0	1,700.2	1,730.8	1,767.8	1,707.5
Government	382.4	382.0	486.1	601.1	634.1	830.0	659.9	556.4	665.2	504.2
Outside U.S.	97.3	97.4	66.9	71.6	89.9	163.0	179.8	207.4	308.3	466.1
					Percent of Total					
Total	100	100	100	100	100	100	100	100	100	100
Business Firms	74	72	72	69	67	68	72	74	74	73
Educational	8	9	9	13	8	10	8	6	6	7
Nonprofit	4	4	4	5	4	5	4	3	3	4
JPL	10	11	11	8	15	11	11	12	11	10
Government	3	3	3	5	5	5	4	4	4	3
Outside U.S.	0	1	1	0	1	1	1	1	2	3

DISTRIBUTION OF DIRECT NASA PROCUREMENTS FISCAL YEARS 2010 – 2019

Type	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
			Net Value of Awards (Millions)							
Total	$17,417.4	$16,699.4	$16,570.4	$15,571.8	$16,004.1	$17,191.5	$18,687.9	$18,502.5	$19,196.7	$19,514.4
Business Firms	13,186.4	12,529.6	11,908.3	11,431.5	12,086.5	12,703.0	13,981.7	$13,827.7	$14,131.8	$14,207.4
Educational	1,035.3	941.4	1,100.5	968.2	1,024.0	906.5	893.6	$880.2	$1,341.4	$1,043.2
Nonprofit	660.1	601.7	1,139.9	643.6	661.0	878.1	967.9	$924.5	$1,101.6	$806.9
JPL	1,618.7	1,604.5	1,239.5	1,708.3	1,708.2	1,847.2	2,133.3	$2,352.6	$2,259.5	$3,022.7
Government	490.0	526.5	512.7	473.1	160.8	339.8	397.5	$171.3	$151.4	$187.4
Outside U.S.	426.9	495.7	669.5	347.1	363.6	517.0	313.9	$346.2	$210.8	$246.7
			Percent of Total							
Total	100	100	100	100	100	100	100	100.00	100	100
Business Firms	76	75	72	73	76	74	75	75	73	73
Educational	6	6	7	6	5	5	5	5	7	5
Nonprofit	4	4	7	5	5	5	5	5	6	4
JPL	9	9	7	11	11	11	11	11	12	16
Government	3	3	3	3	1	2	2	2	1	1
Outside U.S.	2	3	4	2	2	3	2	2	1	1

Appendix II

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1961 – 1970

Type of Action	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970
					Net Value of Awards (Millions)					
Total Business	**$423.3**	**$1,030.1**	**$2,261.7**	**$3,521.1**	**$4,141.4**	**$4,087.7**	**$3,864.1**	**$3,446.7**	**$3,022.3**	**$2,759.2**
New Awards*	**	322.6	758.6	685.4	629.2	536.4	694.7	483.7	496.5	619.7
Modifications	**	707.5	1,503.1	2,835.7	3,512.2	3,551.3	3,169.4	2,963.0	2,525.8	2,139.5
Competitive	**276.8**	**565.8**	**1,302.0**	**2,119.5**	**2,630.1**	**2,692.5**	**2,698.4**	**2,185.1**	**1,632.7**	**1,628.7**
New Awards*	**	167.1	427.1	375.9	334.5	304.2	325.2	271.9	186.7	277.5
Modifications	**	398.7	874.9	1,743.6	2,295.6	2,388.3	2,373.2	1,913.2	1,446.0	1,351.2
Noncompetitive	**146.5**	**464.3**	**959.7**	**1,401.6**	**1,511.3**	**1,395.2**	**1,165.7**	**1,261.6**	**1,389.6**	**1,130.5**
New Awards*	**	155.5	331.5	309.5	294.7	232.2	369.5	211.8	309.8	342.2
Modifications	**	308.8	628.2	1,092.1	1,216.6	1,163.0	796.2	1,049.8	1,079.8	788.3
					Percent of Total					
Total Business	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
New Awards*	**	31	34	20	15	13	18	14	16	22
Modifications	**	69	66	80	85	87	82	86	84	78
Competitive	65	55	58	60	63	66	70	63	54	59
New Awards*	**	16	19	11	8	7	8	8	6	10
Modifications	**	39	39	49	55	59	62	55	48	49
Noncompetitive	35	45	42	40	37	34	30	37	46	41
New Awards*	**	15	15	9	7	6	10	6	10	12
Modifications	**	30	27	31	30	28	20	31	36	29

*Data on new contracts are restricted to contracts of $10,000 and over.

**Data not compiled

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1971 – 1979

Type of Action	FY 1971	FY 1972	FY 1973	FY 1974	FY 1975	FY 1976	FY 197T**	FY 1977	FY 1978	FY 1979
					Net Value of Awards (Millions)					
Total Business	**$2,279.5**	**$2,143.3**	**$2,063.8**	**$2,118.6**	**$2,255.0**	**$2,536.1**	**$663.2**	**$2,838.1**	**$2,953.8**	**$3,416.4**
New Awards*	563.0	462.5	489.5	552.4	452.0	486.3	76.4	552.5	633.1	516.6
Modifications	1,716.5	1,680.8	1,574.3	1,566.2	1,803.0	2,049.8	586.8	2,285.6	2,320.7	2,899.8
Competitive	**1,331.8**	**1,311.8**	**1,275.6**	**1,394.9**	**1,554.6**	**1,879.5**	**490.9**	**2,060.4**	**2,111.5**	**2,541.1**
New Awards*	306.6	257.0	308.1	279.5	223.9	291.3	46.8	301.7	362.1	304.0
Modifications	1,025.2	1,054.8	967.5	1,115.4	1,330.7	1,588.2	444.1	1,758.7	1,749.4	2,237.1
Noncompetitive	**947.7**	**831.5**	**788.2**	**723.7**	**700.4**	**656.6**	**172.3**	**777.7**	**842.3**	**875.3**
New Awards*	256.4	205.5	181.4	272.9	228.1	195.0	29.6	250.8	271.0	212.6
Modifications	691.3	626.0	606.8	450.8	472.3	461.6	142.7	526.9	571.3	662.7
					Percent of Total					
Total Business	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**	**100**
New Awards*	24	22	24	26	20	19	11	20	22	15
Modifications	76	78	76	74	80	81	89	80	78	85
Competitive	58	61	62	66	69	74	74	73	72	74
New Awards*	13	12	15	13	10	11	7	11	13	9
Modifications	45	49	47	53	59	63	67	62	59	65
Noncompetitive	42	39	38	34	31	26	26	27	28	26
New Awards*	11	10	9	13	10	8	4	9	9	6
Modifications	31	29	29	21	21	18	22	18	19	20

*Data on new contracts are restricted to contracts of $10,000 and over.

**FY 197T represents the transition from a June-July Fiscal Year to the October-September Fiscal Year.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS FISCAL YEARS 1980 – 1985**

Type of Action	FY 1980	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985
			Net Value of Awards (Millions)			
Total Business	**$3,820.4**	**$4,208.2**	**$4,724.5**	**$5,501.2**	**$5,859.3**	**$6,525.9**
New Awards*	634.3	479.3	717.6	761.0	716.6	775.9
Modifications	3,186.1	3,728.9	4,006.9	4,740.2	5,142.7	5,750.0
Competitive	**2,858.1**	**3,127.7**	**3,436.5**	**3,845.3**	**4,286.6**	**5,030.2**
New Awards*	382.5	257.8	351.9	446.2	426.0	533.5
Modifications	2,475.6	2,869.9	3,084.6	3,399.1	3,860.6	4,496.7
Other Than Competitive	**962.3**	**1,080.5**	**1,288.0**	**1,655.9**	**1,572.7**	**1,495.7**
New Awards*	251.8	221.5	365.7	314.8	290.6	242.4
Modifications	710.5	859.0	922.3	1,341.1	1,282.1	1,253.3
		Percent of Total				
Total Business	**100**	**100**	**100**	**100**	**100**	**100**
New Awards*	17	11	15	14	12	12
Modifications	83	89	85	86	88	88
Competitive	75	74	72	70	73	77
New Awards*	10	6	7	8	7	8
Modifications	65	68	65	62	66	69
Other Than Competitive	25	26	28	30	27	23
New Awards*	7	5	8	6	5	4
Modifications	18	21	20	24	22	19

*Data on new contracts are restricted to contracts of $10,000 and over.

**Excludes 8(a) awards.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1986 – 1995

Type of Action	FY 1986	FY 1987	FY 1988	FY 1989	FY 1990	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995
					Net Value of Awards (Millions)					
Total Available	$7,310.3	$6,575.3	$7,350.4	$8,705.5	$10,202.3	$10,562.7	$10,877.3	$10,649.1	$10,138.4	$10,525.6
Competed	4,950.1	5,031.7	5,890.3	6,995.8	8,318.4	8,169.8	8,660.9	8,635.6	7,202.3	6,944.6
New Awards	772.5	827.3	1,091.0	891.7	1,059.6	679.5	699.1	766.7	1,155.9	874.2
Modifications	4,177.6	4,204.4	4,799.3	6,104.1	7,258.8	7,490.3	7,961.8	7,868.9	6,046.4	6,070.4
Not Competed	2,143.1	1,445.7	1,279.4	1,376.3	1,338.5	782.8	780.2	699.0	1,790.2	2,532.2
New Awards	289.4	404.5	193.0	214.7	244.5	123.6	161.8	241.4	1,267.9	456.5
Modifications	1,853.7	1,041.2	1,086.4	1,161.6	1,094.0	659.2	618.4	457.6	522.3	2,075.7
Follow-On	217.1	97.9	180.7	333.4	545.4	1,610.1	1,436.2	1,314.5	1,145.9	1,048.8
New Awards	15.1	0.5	160.1	1.2	138.4	595.5	6.8	0.5	9.9	106.5
Modifications	202.0	97.4	20.6	332.2	407.0	1,014.6	1,429.4	1,314.0	1,136.0	942.3
					Percent of Total					
Total Available	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Competed	67.7	76.5	80.1	80.4	81.5	77.3	79.6	81.1	71.0	66.0
New Awards	10.6	12.6	14.8	10.3	10.4	6.4	6.4	7.2	11.4	8.3
Modifications	57.1	63.9	65.3	70.1	71.1	70.9	73.2	73.9	59.6	57.7
Not Competed	29.3	22.0	17.4	15.8	13.1	7.4	7.2	6.6	17.7	24.0
New Awards	3.9	6.2	2.6	2.5	2.4	1.2	1.5	2.3	12.5	4.3
Modifications	25.4	15.8	14.8	13.3	10.7	6.2	5.7	4.3	5.2	19.7
Follow-On	3.0	1.5	2.5	3.8	5.4	15.3	13.2	12.3	11.3	10.0
New Awards	0.2	*	2.2	*	1.4	5.7	0.1	*	0.1	1.0
Modifications	1.5	1.5	0.3	3.8	4.0	9.6	13.1	12.3	11.2	9.0

*Less than 0.5 percent.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 1996 – 2005

Type of Action	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
					Net Value of Awards (Millions)					
Total Available	$10,064.4	$10,004.8	$9,696.2	$9,635.0	$9,626.9	$9,690.6	$10,124.5	$10,393.3	$9,630.8	$12,201.9
Competed	6,486.7	5,399.4	5,255.3	5,459.6	5,384.4	5,743.9	5,763.5	5,979.0	5,653.5	5,998.7
New Awards	951.1	750.2	792.6	803.4	1,065.2	1,041.6	752.1	861.5	1,198.8	*
Modifications	5,535.6	4,649.2	4,462.7	4,656.2	4,319.2	4,702.3	5,011.4	5,117.5	4,454.7	*
Not Competed	2,661.2	3,816.1	3,643.1	3,325.3	3,512.4	3,482.7	3,858.8	3,857.6	3,426.9	6,088.5
New Awards	283.5	177.8	182.5	128.2	312.1	140.4	387.3	405.8	159.4	*
Modifications	2,377.7	3,638.3	3,460.6	3,197.1	3,200.3	3,342.3	3,471.5	3,451.8	3,267.5	*
Follow-On	916.4	789.3	797.8	850.1	730.1	464.0	502.2	556.7	550.4	114.8
New Awards	0.5	12.3	65.0	208.1	299.8	6.4	1.9	81.1	6.4	*
Modifications	915.9	777.0	732.8	642.0	430.3	457.6	500.3	475.6	544.0	*
					Percent of Total					
Total Available	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Competed	64.5	54.0	54.2	56.7	56.0	59.3	56.9	57.5	58.7	49.2
New Awards	9.5	7.5	8.2	8.4	11.1	10.8	7.4	8.3	12.5	*
Modifications	55.0	46.5	46.0	48.3	44.9	48.5	49.5	49.2	46.2	*
Not Competed	26.4	38.1	37.6	34.5	36.5	35.9	38.1	37.1	35.5	49.9
New Awards	2.8	1.7	1.9	1.3	3.3	1.4	3.8	3.9	1.6	*
Modifications	23.6	36.4	35.7	33.2	33.2	34.5	34.3	33.2	33.9	*
Follow-On	9.1	7.9	8.2	8.8	7.5	4.8	5.0	5.4	5.7	0.9
New Awards	0.0	0.1	0.7	2.1	3.1	0.1	0.1	0.8	0.1	*
Modifications	9.1	7.8	7.5	6.7	4.4	4.7	4.9	4.6	5.6	*

*FY 2005 data is obtained from the FPDS-NG system. Breakout between New Awards & Modifications is not available.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS
FISCAL YEARS 2006 – 2015

Type of Action	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015
					Net Value of Awards (Millions)					
Total Available	$10,678.3	$12,707.6	$14,666.8	$15,150.2	$16,016.5	$15,355.8	$15,133.9	$14,210.7	$14,950.5	$15,902.8
Competed	6,356.4	6,253.4	7,645.7	8,121.4	8,865.3	8,806.9	9,331.4	9,261.4	10,066.9	10,787.8
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Not Competed**	4,235.1	4,603.4	5,537.4	5,487.1	5,343.3	6,548.9	5,802.5	4,949.0	4,883.4	5,114.9
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Follow-On***	86.8	1,850.8	1,783.9	1,541.7	1,807.9	***	***	***	***	***
New Awards	*	*	*	*	*					
Modifications	*	*	*	*	*					
					Percent of Total					
Total Available	100	100	100	100	100	100	100	100	100	100
Competed	49.2	49.1	52.1	53.6	55.3	57.4	61.7	65.2	67.3	67.8
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Not Competed	49.9	36.3	35.7	36.2	33.4	42.6	38.3	34.8	32.7	32.2
New Awards	*	*	*	*	*	*	*	*	*	*
Modifications	*	*	*	*	*	*	*	*	*	*
Follow-On***	0.9	14.6	12.2	10.2	11.3	***	***	***	***	***
New Awards	*	*	*	*						
Modifications	*	*	*	*						

*Beginning in FY 2006, data is obtained from the FPDS-NG system. Breakout between New Awards & Modifications is not available.

**Beginning in FY 2008 Not Competed dollars include Not Available for Competition dollars.

***Beginning in FY 2011, Not Competed dollars include Follow-Ons.

COMPETITION IN NASA AWARDS TO BUSINESS FIRMS FISCAL YEARS 2016 – 2019

Type of Action	FY 2016	FY 2017	FY 2018	FY 2019
Net Value of Awards (Millions)				
Total Available	$17,274	$17,274	$18,035	$18,155
Competed	11,981	11,724	12,175	11,962
Not Competed	5,293	5,551	5,860	6,193
Percent of Total				
Total Available	100	100	100	100
Competed	69.4	69.4	67.5	65.9
Not Competed	30.6	30.6	32.5	34.1

Appendix III

SMALL BUSINESS PARTICIPATION IN NASA PROCUREMENTS
FISCAL YEARS 1961 – 1990
(Millions of Dollars)

	FY 1961	FY 1962	FY 1963	FY 1964	FY 1965	FY 1966	FY 1967	FY 1968	FY 1969	FY 1970
Total Business	$423.3*	$1,030.1	$2,261.7	$3,521.1	$4,141.4	$4,087.7	$3,864.1	$3,446.1	$3,022.3	$2,759.2
Small Business	63.5	123.6	191.3	240.3	286.3	255.9	216.9	189.6	162.8	161.2
% of Total	15.0	12.0	8.5	6.8	6.9	6.3	5.6	5.5	5.4	5.8
Set-Asides	**6.0**	**14.0**	**26.0**	**39.5**	**67.4**	**50.6**	**45.7**	**34.0**	**31.4**	**35.7**
% of Total	1.4	1.3	1.1	1.1	1.6	1.2	1.2	1.0	1.0	1.3
% of Small	9.4	11.3	13.6	16.4	23.5	19.8	21.1	17.9	19.3	22.1
	FY 1971	**FY 1972**	**FY 1973**	**FY 1974**	**FY 1975**	**FY 1977**	**FY 1977**	**FY 1978**	**FY 1979**	**FY 1980**
Total Business	$2,279.5	$2,143.3	$2,063.8	$2,118.6	$2,255.0	$2,536.1	$2,838.1	$2,953.8	$3,416.4	$3,868.3
Small Business	178.1	160.9	155.3	181.2	216.0	218.3	255.0	281.5	325.4	384.6
% of Total	7.8	7.5	7.5	8.6	9.6	8.6	9.0	9.5	9.5	9.9
Set-Asides	41.1	45.1	47.3	61.5	62.6	66.8	83.7	92.5	99.4	175.2
% of Total	**1.9**	**2.1**	**2.3**	**3.0**	**2.8**	**2.6**	**3.0**	**3.1**	**3.0**	**4.5**
% of Small	23.1	28.0	30.5	33.9	29.0	30.6	32.8	32.9	30.5	45.6
	FY 1981	FY 1982	FY 1983	FY 1984	FY 1985	FY 1988	FY 1987	FY 1988	FY 1989	FY 1990
Total Business	$4,272.8	$4,805.6	$5,586.0	$5,967.4	$6,652.9	$6,356.0	$6,540.5	$7,274.9	$8,567.6	$10,071.5
Small Business	409.4	430.1	482.3	556.2	644.7	671.3	786.3	801.4	857.3	924.3
% of Total	9.6	8.9	8.6	9.3	9.7	10.6	12.0	11.0	10.0	9.2
Set-Asides	195.8	209.3	212.0	222.5	270.0	260.9	297.2	326.1	322.5	307.3
% of Total	4.6	4.4	3.8	3.7	4.1	4.1	4.5	4.5	3.8	3.1
% of Small	47.8	48.6	43.9	40.0	41.9	38.9	37.8	40.7	37.6	33.2

*Excludes procurements placed under General Services Administration contracts.

SMALL BUSINESS PARTICIPATION IN NASA PROCUREMENTS
FISCAL YEARS 1991 – 2019
(Millions of Dollars)

	FY 1991	FY 1992	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000
Total Business	$10,417.3	$10,716.7	$10,497.9	$9,965.7	$10,311.5	$9,800.8	$9,817.2	$9,550.5	$9,386.5	$9,272.8
Small Business	968.3	1,010.6	1,060.7	1,150.2	1,171.2	1,162.5	1,244.2	1,218.3	1,287.0	1,485.5
% of Total	9.3	9.4	10.1	11.5	11.4	11.9	12.7	12.8	13.7	16.0
Set-Asides	**324.3**	**274.9**	**315.1**	**330.4**	**366.7**	**348.5**	**429.4**	**457.2**	**530.4**	**565.1**
% of Total	3.1	2.6	3.0	3.3	3.6	3.6	4.4	4.8	5.6	6.1
% of Small	33.5	27.2	29.7	28.7	31.3	30.0	34.5	37.5	41.2	38.1
	FY 2001	**FY 2002**	**FY 2003**	**FY 2004**	**FY 2005**	**FY 2007**	**FY 2007**	**FY 2008**	**FY 2009**	**FY 2010**
Total Business	$9,209.7	$9,568.9	$9,510.4	$9,025.6	$10,357.8	$11,467.4	$10,756.2	$12,371.7	$12,305.2	$13,186.5
Small Business	1,609.9	1,680.0	1,600.1	1,755.5	1,818.9	1,938.1	2,002.7	2,270.7	2,271.8	2,286.0
% of Total	17.5	17.6	16.8	19.5	17.6	16.9	18.6	18.4	18.5	17.3
Set-Asides	568.1	582.4	477.9	552.1	620.2	665.8	747.5	898.1	901.4	926.5
% of Total	**6.2**	**6.1**	**5.0**	**6.1**	**6.0**	**5.8**	**6.9**	**7.3**	**7.3**	**7.0**
% of Small	35.3	34.6	29.8	31.4	34.1	34.3	37.3	39.6	39.7	40.5
	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	
Total Business	$12,529.6	$11,908.3	$11,431.5	$12,086.5	$12,703	$13,981.7	14,134.7	14,305.0	14,207.4	
Small Business	2,630.8	2,630.8	2,761.3	2,524.0	2,541.3	2,739.4	2,830.0	2,993.8	3,137.8	
% of Total	20.0	22.1	24.2	20.9	20.0	19.6	20.0	20.9	22.1	
Set-Asides	1,073.1	1,114.6	1,141.5	1,177.8	1,232.1	1,505.0	1,464.9	1,622.8	1,616.3	
% of Total	8.6	9.4	10.0	9.7	9.7	10.8	10.4	11.3	11.4	
% of Small	42.7	42.4	41.3	46.7	48.5	54.9	51.8	54.2	51.5	

*Excludes procurements placed under General Services Administration contracts.

EXPLORE PROCUREMENT

The cornerstone of NASA's current and future missions

Notes

Notes