National Aeronautics and Space Administration

OHIO

NASA Center:
Glenn Research Center – Cleveland, OH

NASA Facility:
Neil A. Armstrong Test Facility – Sandusky, OH

NASA Overall State Impact [1]

• Jobs Supported	10,907
• Economic Output	$2,461,123,000
• State Tax Revenue	$84,645,000

Moon to Mars Campaign State Impacts

• Jobs Supported	1,280
• Economic Output	$300,894,000
• State Tax Revenue	$9,784,000

Investments in Climate Change Research & Technology State Impacts

• Jobs Supported	1,910
• Economic Output	$416,718,000
• State Tax Revenue	$13,947,000

[1] For more information please visit: Value of NASA

FY21 State Procurement Investments [2] — $409.8 M

Sample Obligations [3]

Business	**$209,324,820**
• Other Than Small Business	$72,931,689
• Small Business	$136,393,131
– 8(A) Program	$0
– Economically Disadvantaged Women Owned Small Business	$45,460,121
– Historically Underutilized Business (HUBZone)	$1,382,050
– Service Disabled Veteran Owned Small Business	$16,293,147
– Small Business Innovative Research	$5,816,005
– Small Disadvantaged Business	$107,951,878
– Veteran Owned Small Business	$16,749,651
– Woman Owned Small Business	$59,696,461
– Small Business Only	$20,365,756
Educational	**$10,481,613**
Government	**$158,399**
Non-profit Institutions	**$4,662,018**

Leading State-based NASA Business Contractors

General Electric Company	$51,117,060
Alcyon Technical Services (ATS) JV, LLC	$27,432,514
Zin Technologies, Inc.	$15,384,540
Erie Affiliates, Inc.	$14,128,663
Mainthia Technologies, Inc.	$11,125,423

Leading State-based NASA Education Funding

Ohio State University	$5,867,458
University of Toledo	$1,882,782
Case Western Reserve University	$1,377,579
University of Cincinnati	$369,052
Ohio University	$303,955

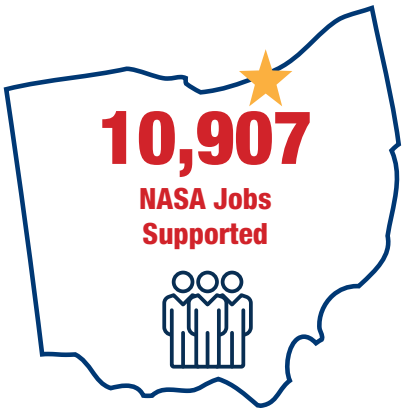
Space Grant Consortium

Ohio Aerospace Institute	$800,000

[2] NASA contracts sourced in the state in FY21; see FY21 NASA Economic Impact Report
[3] Categories are not additive. For more information on FY21 Sample Obligations, please visit: NASA Acquisition Internet Service (NAIS)

OHIO

Glenn Research Center — Cleveland, OH



There are 1,530 NASA federal jobs and 3,733 contractors* in the state of Ohio.

For every NASA federal job located in Ohio, an additional 6.1** jobs are supported in the state economy. For every million dollars' worth of economic output generated by NASA federal jobs, an additional $2.3** million worth of output is sustained throughout the state economy.

* Represents NASA contractor employees and employees in the supply chain of those contractors.

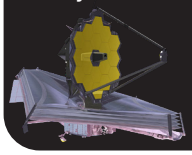
** Multiplier based on IMPLAN Input Output (I-O) model. To learn more, please visit: https://blog.implan.com/understanding-implan-multipliers

NASA Astronauts

Neil Armstrong
Charles Bassett
Kenneth D. Cameron
Donn F. Eisele
Michael Foreman
Michael L. Gernhardt
John Glenn
Michael T. Good
Gregory J. Harbaugh
Karl Gordon Henize
Terence T. Henricks
Jim Lovell
G. David Low
Robert F. Overmyer
Ronald A. Parise
Judith Resnik
Ronald Sega
Donald A. Thomas
Carl Walz
Mary E. Weber
Sunita Williams*

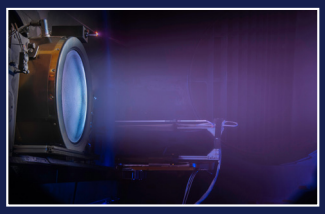
* Current

James Webb Space Telescope
Cycle 1 Hours of Access



Ohio Institutions
1,820.3 Hours

Glenn designs, develops, and tests innovative technology to revolutionize air travel, advance space exploration, and improve life on Earth.



The road to the Moon goes through Ohio. Glenn's world-class test facilities and unrivaled expertise in power, propulsion, and communications are crucial to advancing Artemis and the Moon to Mars efforts. The center is developing the Power and Propulsion Element for Gateway and power systems for the surface of the Moon and Mars.

Glenn's test facilities in Cleveland and Sandusky bring NASA, military, and private industry customers to Ohio. The Neil Armstrong Test Facility is home to the world's largest and most powerful space environment simulation chambers. It is responsible for full-scale testing of the Orion spacecraft.

Every U.S. aircraft has Glenn technology on board, making flight cleaner, safer, and quieter. Glenn is exploring next-generation electrified propulsion, advanced materials, communication systems for advanced air mobility, and supersonic and hypersonic flight.

The FY21 Center budget was $802.4 million.

For more information about the Economic Impact Report for your state, go to:

National Aeronautics and Space Administration

NASA Headquarters
300 E Street, SW
Washington, DC 20546

www.nasa.gov/centers

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