National Aeronautics and Space Administration

PENNSYLVANIA

NASA Overall State Impact [1]

• Jobs Supported	1,870
• Economic Output	$377,563,000
• State Tax Revenue	$14,561,000*

Moon to Mars Campaign State Impacts

• Jobs Supported	977
• Economic Output	$202,287,000
• State Tax Revenue	$7,784,000*

Investments in Climate Change Research & Technology State Impacts

• Jobs Supported	288
• Economic Output	$54,439,000
• State Tax Revenue	$2,089,000*

* Forthcoming update expected to the tax revenue estimate.

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

FY21 State Procurement Investments [2] $119.3 M

Sample Obligations [3]

Business	**$133,593,481**
• Other Than Small Business	$6,966,644
• Small Business	$126,626,837
– 8(A) Program	$0
– Economically Disadvantaged Women Owned Small Business	$56,323
– Historically Underutilized Business (HUBZone)	$255,929
– Service Disabled Veteran Owned Small Business	$309,256
– Small Business Innovative Research	$7,591,941
– Small Disadvantaged Business	$1,000,911
– Veteran Owned Small Business	$278,017
– Woman Owned Small Business	$707,058
– Small Business Only	$117,756,161
Educational	**$24,191,384**
Government	**$0**
Non-profit Institutions	**$1,252,609**

Leading State-based NASA Business Contractors

Astrobotic Technology, Inc.	$101,169,654
Advanced Cooling Technologies, Inc.	$11,185,937
Orbit Advanced Technologies, Inc.	$6,504,750
Ansys, Inc.	$2,263,234
Analytical Graphics, Inc.	$1,565,777

Leading State-based NASA Education Funding

Pennsylvania State University	$14,975,180
Carnegie Mellon University	$3,464,246
University of Pennsylvania	$2,440,301
University of Pittsburgh	$1,359,923
Temple University	$443,492

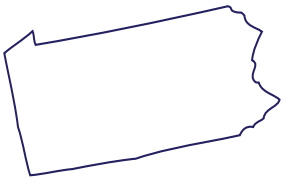
Space Grant Consortium

Pennsylvania State University	$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)

PENNSYLVANIA



1,870

NASA Jobs Supported

There are 35 NASA Federal jobs and 952* contractors in the state of Pennsylvania.

For every NASA federal job located in Pennsylvania, an additional 52.4** jobs are supported in the state economy. For every million dollars' worth of economic output generated by NASA federal jobs, an additional $21.4** million worth of output is sustained throughout the state economy.

* Indirect effects are the purchases of goods and services by government agencies and private sector contractors, as well as by the industries that supply them.

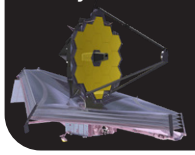
** Multiplier based on IMPLAN Input Output (I-O) model. To learn more, please visit: https://blog.implan.com/understanding-implan-multipliers

NASA Astronauts

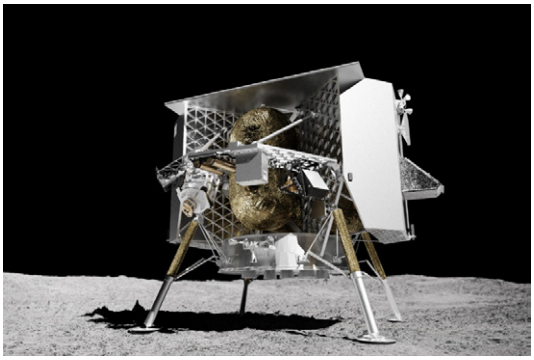
Andy Allen
James Bagian
Guion Bluford
Daniel Bursch
Charles Conrad
Chris Ferguson
Drew Feustel*
Michael Fincke*
Theodore Freeman
Steven Frick
Terry Hart
Warren "Woody" Hoburg
Scott Horowitz
James Irwin
Paul Richards
Patricia Robertson
Daniel Tani
Paul Weitz

* Current

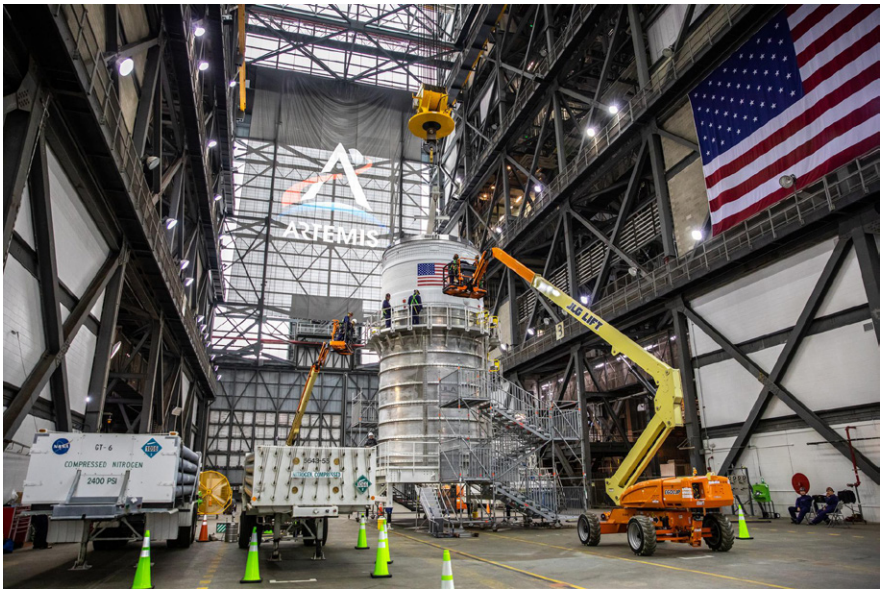
James Webb Space Telescope
Cycle 1 Hours of Access



Pennsylvania Institutions
1,073.8 Hours



NASA is working with several American companies in multiple states, including Pennsylvania, to deliver science and technology to the lunar surface through the Commercial Lunar Payload Services (CLPS) initiative. These companies of varying sizes will bid on delivering payloads for NASA, including payload integration and operations, launching from Earth and landing on the surface of the Moon.



Sixty-three Pennsylvania suppliers contributed to NASA's Artemis program. An example of the state's contributions is providing various metals and composite materials for the rocket's propulsion system.

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

National Aeronautics and Space Administration

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Washington, DC 20546

www.nasa.gov/centers

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