



NASA Langley's Role in The Commonwealth

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National Aeronautics and
Space Administration



NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

ECONOMIC IMPACT REPORT

OCTOBER 2024

National Aeronautics and
Space Administration



Showcasing Economic Activity

- Fiscal Year 2023 Economic Impact Report Available
- Highlights
 - Moon to Mars Campaign
 - Investments in Climate Research and Technology
 - Global Space Economy
 - NASA Partnerships
 - STEM Engagement
 - Technology Transfer Introducing NASA into Your Life

During FY23, using an investment of less than one-half of 1% of the federal budget, NASA's activities generated more than \$75 billion in total economic output, supported more than 304,000 jobs nationwide, and made an economic impact in all 50 states and the District of Columbia.

Virginia State Economic Impact

Includes NASA Langley Research Center and Wallops Flight Facility, managed by Goddard Space Flight Center



NASA AGENCYWIDE⁽¹⁾

State Impact

24,763 Jobs Supported

\$6.1B Economic Output

\$244.2M State Tax Revenue

MOON TO MARS CAMPAIGN

State Impact

4,195 Jobs Supported

\$899.3M Economic Output

\$38.5M State Tax Revenue

CLIMATE CHANGE R&T⁽²⁾ INVESTMENT

State Impact

3,964 Jobs Supported

\$1B Economic Output

\$37.6M State Tax Revenue

Virginia State Economic Impact

- FY23 State Procurement Investment of \$1.8B
 - Business \$1.3B
 - \$313.5M to small businesses
 - Educational \$17.2M
 - \$2.6M to Historically Black Colleges and Universities

Leading State-Based NASA Business Contractors

- Bechtel National, Inc.
- Northrop Grumman Systems Corp.
- Peraton, Inc.
- Jacobs Technology, Inc.
- Science Applications International Corporation

Leading State-Based NASA Education Funding

- George Mason University
- University of Virginia
- Virginia Polytechnic Institute & State University
- Christopher Newport University
- Eastern Virginia Medical School

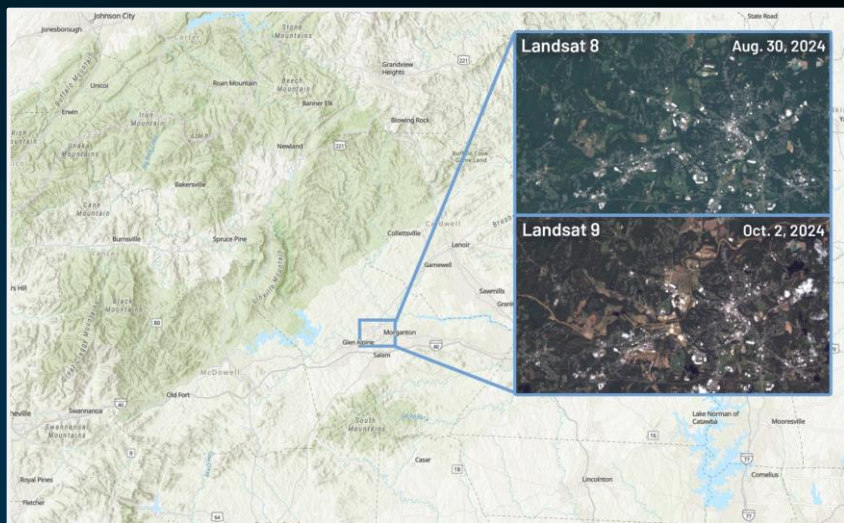
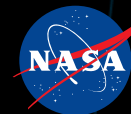
Virginia Space Grant Consortium

- Old Dominion University Research Foundation



2024 Highlights

National Aeronautics and
Space Administration



NASA's Disasters Response Coordination System

*Aiding in response to
Hurricanes Helene
and Milton*



NASA's X-66 Sustainable Flight Demonstrator

*Completes wind
tunnel testing at
NASA Langley*



Aerial Drone Competitions

*Giving students hands on
experience with NASA
Langley's experts*



Europa Clipper

*On the way to Jupiter's
icy moon, Europa,
looking for conditions
suitable for life*

Looking Ahead

National Aeronautics and
Space Administration



**Flight Dynamics
Research Facility
Opening 2025**



**Firefly's Blue Ghost
Mission 1 with Stereo
Camera for Lunar
Plume-Surface Studies
(SCALPSS)**



**HUNCH
Students
Preparing
Recipes for the
ISS**



**NASA's next-
generation
Airborne Science
Laboratory, the
B777 located at
NASA Langley**

Partnership Opportunities

Regional Partnerships

Connecting with local stakeholders to increase NASA's impact and influence in the region.

NASA Technology Transfer Program

Ensuring research conducted for NASA missions are made available to the public for commercialization.

Technology Transfer University

Accelerating commercialization through entrepreneurship-focused partnerships and initiatives to launch and sustain startups.

Small Business Innovation Research & Small Business Technology Transfer

The SBIR/STTR program is part of America's Seed Fund, the nation's largest source of early-stage funding for innovative technologies.

Agreements

Facilitates agreement mechanisms with partners to advance NASA missions and provide access to NASA's facilities, technical expertise, and resources.



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