

JOHNSON SPACE CENTER FY16 ECONOMIC IMPACT REPORT

National Aeronautics and
Space Administration



Houston's Johnson Space Center leads Human Space Flight for the entire nation. At JSC we are taking critical steps today to expand human exploration into deep space. Our priorities are to maximize the use of the International Space Station, enable the success of the Commercial Crew Program, develop Orion for future missions and build the foundation for human missions to Mars. This document is a glimpse of the resources and benefits that NASA brings to Texas and Houston where JSC is a powerful force in creating and sharing America's future in human spaceflight.

JSC Budget

\$4.42B
Total JSC Budget

\$2.02B
Total JSC Budget Spent in Texas
(JSC spending on contracts and federal salaries)

Select NASA Expenditures in Texas

\$108M
Small Business

\$46M
Small Disadvantaged
Business

\$62M
Women-Owned Business

\$11.8M
Small Business Innovative
Research

\$23.4M
8(a) Contracts

\$5.2M
NASA Research
Announcements
(JSC spending on Research
Opportunities in Space and Earth
Science (ROSES) across the nation)

\$18.3M
Universities

\$62.8M
Non-profit Awards



\$70M JSC – White Sands Test Facility Budget

FY 16 Budget by Program

- **\$1.1B** International Space Station
- **\$47.2M** Advanced Exploration Systems
- **\$1.2B** Orion Multi-purpose Crew Vehicle
- **\$1.4B** Commercial Cargo Program
- **\$34.8M** Commercial Crew Program

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NASA/JSC Workforce:

- Federal Employees: 2,952
- Contractors: 8,026
- Total JSC Workforce: 10,978



Workforce in Texas:

- Federal Employees: 2,906
- Contractors: 7,630
- Total in Texas: 10,536



White Sands Test Facility Workforce:

- Federal Employees: 45
- Contractors: 396
- Total WSTF: 441



Estimated Federal and Contractor Workforce Salaries in Texas and New Mexico

\$1.857B

74%

Engineers or scientist

74%

Perform science, technical or aerospace work

74%

hold science, engineering or technical degrees

95%

Hold at least a Bachelor's Degree

29%

Are minorities

42%

Hold a graduate degree

35%

Are female

Education Leadership In Texas

JSC education utilizes NASA's unique capabilities to advance science, technology, engineering and mathematics (STEM) education and human space exploration. Resources include educator professional development, digital learning, experiential learning activities, internships, partnerships, grants and informal education.

Texas students have a unique opportunity to participate in Texas Aerospace Scholars (TAS). TAS encourages Texas students to explore the unlimited career possibilities in STEM with space exploration as its central theme. Since the beginning in 1999, more than 11,300 Texas residents have participated in TAS. High school student's complete online curriculum and teachers develop "action plans" integrating NASA-related materials into their classrooms. TAS also features NASA Community College Aerospace Scholars for community college students to engage in STEM-based learning activities.

NASA's Minority University Research and Education Project enables educators from Minority Serving Institutions to participate in five-day professional development institutes at a NASA center.

- 34 of 43 (79%) participants at JSC were from universities in Texas (University of the Incarnate Word, Hutson-Tillotson University, University of Texas at San Antonio, Texas State University, University of Texas Rio Grande and Texas A&M Corpus Christi.)
- \$18.3M to Texas Universities

356

High Schools/Homeschools enrolled in Texas Aerospace Scholars

272

Texas cities represented in Texas Aerospace Scholars

29

Texas community colleges represented in Texas Aerospace Scholars



Space Center Houston

Space Center Houston is the official visitor center and nonprofit gateway to NASA JSC as well as Houston's only Smithsonian Affiliate museum. Space Center Houston generates annually a \$73M economic impact, 925 jobs and \$36M in personal income in greater Houston.

- Over 1 Million visitors
- 113,136 students in school and program visits
- Approximately 400 employees and contractors
- 4900 volunteer hours