



FY 2017 USGS Budget Request

Supporting Science Infrastructure through Science Support and Facilities

The FY 2017 Budget Request for Science Support is \$110,592,000, a net change of +\$4,981,000 from the 2016 Enacted level.

The FY 2017 Budget Request for Facilities is \$117,258,000, a net change of +\$16,837,000 from the 2016 Enacted level.

USGS science infrastructure enables the USGS mission. Science Support and Facilities make science possible by providing functions necessary to support USGS science.

| Dollars in Thousands | 2015 | 2016 | 2017 | | | |
|--|------------------|------------------|----------------|-------------------|-------------------|--------------------------|
| | Base | Enacted | Fixed Costs | Program Changes | Request | Change from 2016 Enacted |
| Science Support | \$105,611 | \$105,611 | \$164 | \$4,817 | \$110,592 | \$4,981 |
| Administration and Management | \$84,192 | \$81,981 | \$141 | \$4,197 | \$86,319 | \$4,338 |
| <i>Support Science Mission, Infrastructure Capacity to Support Science</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$1,997]</i> | <i>[\$1,997]</i> | <i>[\$1,997]</i> |
| <i>Tribal Science Coordination</i> | <i>[\$432]</i> | <i>[\$432]</i> | | <i>[\$300]</i> | <i>[\$732]</i> | <i>[\$300]</i> |
| <i>DOI Science Coordination</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$200]</i> | <i>[\$200]</i> | <i>[\$200]</i> |
| <i>Youth & Education in Science</i> | <i>[\$1,530]</i> | <i>[\$1,530]</i> | | <i>[\$1,000]</i> | <i>[\$2,530]</i> | <i>[\$1,000]</i> |
| <i>Mendenhall Program Postdocs</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$500]</i> | <i>[\$500]</i> | <i>[\$500]</i> |
| <i>Outreach to Underserved Communities</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$200]</i> | <i>[\$200]</i> | <i>[\$200]</i> |
| Information Services | \$21,419 | \$23,630 | \$23 | \$620 | \$24,273 | \$643 |
| <i>Support Science Mission, Infrastructure Capacity to Support Science</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$620]</i> | <i>[\$620]</i> | <i>[\$620]</i> |
| Facilities | \$100,421 | \$100,421 | \$1,223 | \$15,614 | \$117,258 | \$16,837 |
| Rental Payments and Operations & Maintenance | \$93,141 | \$93,141 | \$1,223 | \$15,614 | \$109,978 | \$16,837 |
| <i>Operations and Maintenance Stewardship</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$2,712]</i> | <i>[\$2,712]</i> | <i>[\$2,712]</i> |
| <i>Reducing the Facilities Footprint - Cost Savings and Innovation Plan (CSIP)</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$10,902]</i> | <i>[\$10,902]</i> | <i>[\$10,902]</i> |
| <i>Sustainability Investments</i> | <i>[\$0]</i> | <i>[\$0]</i> | | <i>[\$2,000]</i> | <i>[\$2,000]</i> | <i>[\$2,000]</i> |
| Deferred Maintenance and Capital Improvement | \$7,280 | \$7,280 | \$0 | \$0 | \$7,280 | \$0 |

Science Support and Facilities perform the functions that make it possible to conduct USGS science. The Science Support Activity provides business and information systems including: acquisitions and grants, finance, internal control, communications, budget, monitoring and evaluation of science quality and integrity, education, information management and technology services, real and personal property asset management, personnel and physical security, and human capital, each of which are crucial to conducting quality science. The Facilities Activity provides for science needs by providing safe, functional workspace for accomplishing the bureau's scientific mission.

Highlights of the 2017 President's Budget for Science Support and Facilities include:

Enhancing Science Support Capability to Support Science Mission Goals +\$1,997,000 for a total of \$1,997,000: Investments in the Administration and Management support functions provides the tools, people and support needed to accomplish the USGS science mission. These functions are essential in supporting the USGS science, as they provide the equipment, field supplies, and contract support, as well as hire the vital talent, that is needed for executing the mission. In addition, as a science mission grows, additional support is needed in the areas of internal controls and reporting, and science integrity, so that the science can be reviewed, published, and in the hands of decision makers in a timely fashion. The 2017 increase will provide the capability to hire first class scientists, procure scientific equipment, and develop cooperative research and technology transfer agreements at a rate that enables science to continue to improve the quality of life.

DOI Science Coordination +\$200,000 for a total of \$200,000: USGS coordinates its science with the needs of our sister Interior bureaus. The 2017 increase funding would support a dedicated scientist to coordinate USGS science efforts with other Interior bureaus and would improve Interior's science integrity process overall. This unified approach strengthens scientific research and application across Interior and aids land management and land use policy development and implementation by ensuring that Interior agencies and bureaus have a known, point of contact to facilitate communication and ensure their science needs and priorities are properly channeled to the relevant mission areas.

Youth and Education in Science +\$1,000,000 for a total of \$2,530,000: USGS Centers are actively working to replace a dwindling workforce and are increasingly turning to the Youth and Education in Science program for the needed support to do so. In 2015, this program provided supplemental funds in support of nearly 300 youth engaged with USGS science. Requests for support from this program doubled in 2016 and not all needs were met. The 2017 increase would provide the ability to build on existing youth hiring to contribute directly to STEM capabilities for the Nation. The outreach and introduction for future scientists will support program needs which doubled in 2016.

Enhancing Science Support Capability to Support Science Mission Goals +\$620,000 for a total of \$620,000: Information Assurance protects infrastructure and data from improper or malicious access or manipulation; protects the integrity and availability of science information; preserves the confidentiality of privacy and other sensitive information; and ensures compliance with Federal information technology mandates and regulatory requirements. The 2017 increase would provide more robust support for the bureau in the areas of cloud hosting and services, continue to advance information and management technology, and increase the efficiency of programming and developing tools, FITARA compliance, and improving Web applications.

Operations and Maintenance Stewardship +\$2,712,000 for a total \$2,712,000: Operations and maintenance includes the day-to-day activities necessary to support the buildings and equipment needed to perform the science mission. The 2017 increase would be used to perform necessary recurring operations and maintenance, which would slow the increase of the deferred maintenance backlog. The requested increase will enable the bureau to realize the full life cycle of its real property assets and help prevent emergency repairs that result in unplanned additional repair costs and unexpected outages, thereby improving the efficiency of the USGS science missions. The requested increase would also improve scientific research operations by completing annual operations and maintenance on critical laboratories and other scientific facilities.

Reducing the Facilities Footprint and Cost Savings and Innovation Plan (RTF/CSIP) + \$10,902,000 for a total of \$10,902,000: USGS has used Deferred Maintenance funds to reduce the USGS footprint by 13 percent since 2012. Due to current deferred maintenance needs, USGS cannot continue to fund these activities without additional funds. The 2017 increase would fund prioritized RTF projects with the shortest payback period, significantly reducing the bureau's footprint and costs. Emphasis will be on improving space utilization, consolidating operations, and relinquishing space in GSA provided offices, laboratories, data centers, and warehouses.

Sustainability Investments +\$2,000,000 for a total of \$2,000,000: The USGS has made great strides in reducing the energy intensity of USGS owned or operated buildings. The 2017 increase would also allow the USGS to implement energy conservation projects that would replace inefficient mechanical, electrical and plumbing systems that in many cases are approaching or have already exceeded their useful life.