



The President's Plan for Science and Innovation

Increasing Funding for Key Science Agencies in the 2014 Budget

"Now is not the time to gut these job-creating investments in science and innovation. Now is the time to reach a level of research and development not seen since the height of the Space Race. We need to make those investments."

- President Barack Obama
February 2013

The 2014 Budget maintains the President's commitment to increase funding for basic research at three key science agencies in order to spur American innovation. The 2014 Budget provides increased funding for the National Science Foundation (NSF), the Department of Energy's Office of Science (DOE SC), and the National Institute of Standards and Technology (NIST) laboratories, reflecting the Administration's ongoing recognition of the critical role these agencies play in preserving America's place as the world leader in innovation. These investments will help expand the frontiers of human knowledge, create jobs, and support the industries of the future. Within these agencies, funds will support research aimed at key priority areas, including clean energy technologies, advanced manufacturing, biotechnology, and new materials.

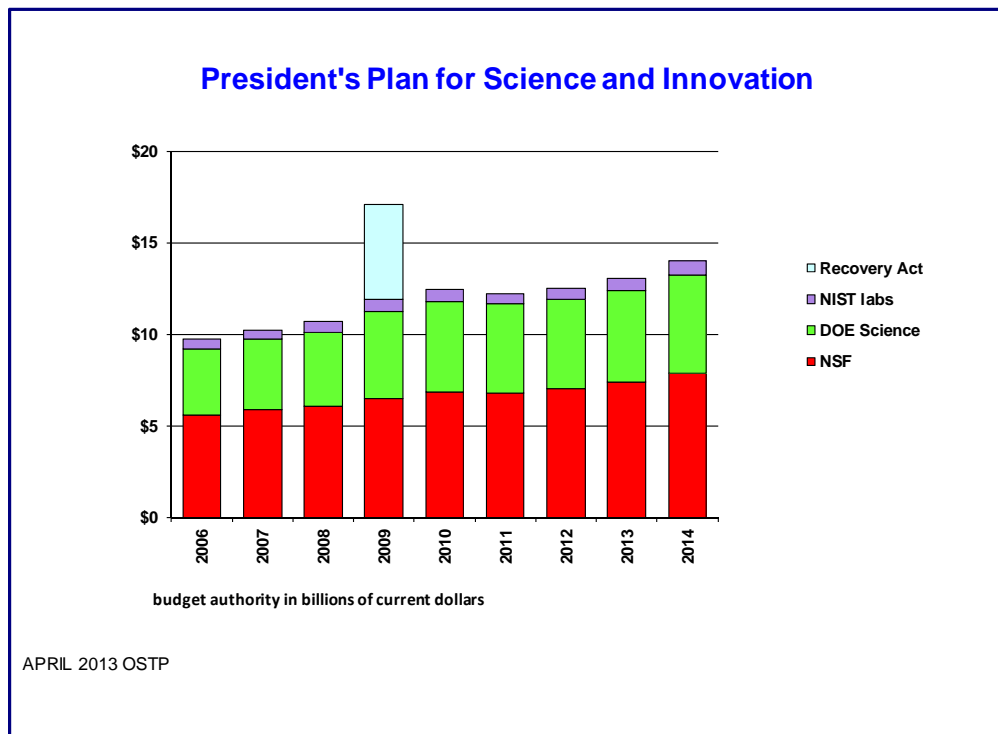


Figure 1.

The President is committed to increasing the budgets of NSF, DOE SC, and the NIST labs. The 2014 Budget proposes \$13.5 billion total for these three agencies, an increase of \$1.0 billion or 8.0 percent above the 2012 enacted total. (All comparisons are in current, not-adjusted-for-inflation dollars; all comparisons are to 2012 enacted funding levels.) The President's Plan for Science and Innovation (a

pillar of the 2009 *Strategy for American Innovation* and its 2011 update), the America COMPETES Act of 2007 (P.L. 110-69), and the America COMPETES Reauthorization Act of 2010 (P.L. 111-358) each identify NSF, DOE SC, and NIST as critical to preserving America’s place as world leader in science and innovation. Consistent with the Budget Control Act spending caps, these fiscally responsible increases are part of a 2014 Budget that reduces projected deficits while making crucial investments in manufacturing, energy, infrastructure, and education.

Science Agencies in the President’s Plan for Science and Innovation

The **National Science Foundation (NSF)** is the primary source of support for academic research for most non-biomedical disciplines, and serves to integrate fundamental research and education across the full spectrum of science and engineering domains. The increase in NSF funding to \$7.6 billion in 2014, or 8.4 percent more than the 2012 enacted level, will enable important advances in science and engineering and support the people who generate them. The 2014 Budget expands NSF’s efforts in fundamental disciplinary research and as well as in clean-energy research, advanced manufacturing, and other emerging research areas. NSF intends to support approximately \$20 million in FY 2014 in research to advance the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) initiative announced earlier this month by the President. NSF will collaborate on this initiative with the National Institutes of Health (NIH), the Department of Defense’s Defense Advanced Research Projects Agency (DARPA), and private-sector partners.

The **Department of Energy’s Office of Science** generates new scientific tools and insights that transform our understanding of energy and matter through research activities in a range of economically significant areas, including nanotechnology, high-end computing, and energy. The 2014 Budget of \$5.2 billion, or 5.7 percent more than the 2012 enacted level, increases funding for both cutting-edge research and facilities. The increase in Office of Science funding will help support foundational research in the clean-energy, environmental, and physical sciences.

The Department of Commerce’s **National Institute of Standards and Technology (NIST)** invests in technological innovation through research, advanced measurement, and standards development. The 2014 Budget of \$754 million for NIST’s intramural laboratories, a 21 percent increase over the 2012 enacted level, will support high-performance laboratory research and facilities in areas including advanced manufacturing, cybersecurity, and cyber-physical systems.

Table. President's Plan for Science and Innovation in the 2014 Budget
(budget authority in millions of dollars)

	2012	2014	Change '12-'14	
			\$ increase	% increase
National Science Foundation	7,033	7,626	593	8.4%
Department of Energy Office of Science	4,874	5,153	279	5.7%
NIST laboratories ^	622	754	132	21.1%
TOTAL	12,529	13,533	1,004	8.0%

^ - National Institute of Standards and Technology (NIST) Scientific and Technical Research and Services (STRS) and Construction of Research Facilities (CRF) accounts.