



The 2015 Budget: Science, Technology, and Innovation for Opportunity and Growth

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Office of Science and Technology Policy (OSTP)

- OSTP provides S&T advice to the president and other White House offices, leads federal S&T policymaking, coordinates interagency S&T efforts and R&D spending, and consults with non-federal stakeholders on S&T matters.
- Director John Holdren is also President Obama's science advisor.
- OSTP manages National Science and Technology Council (NSTC) interagency groups.
- OSTP supports the President's Council of Advisors on Science and Technology (PCAST).



OSTP





“We know that the nation that goes all-in on innovation today will own the global economy tomorrow. This is an edge America cannot surrender. Federally funded research helped lead to the ideas and inventions behind Google and smartphones... There are entire industries to be built based on vaccines that stay ahead of drug-resistant bacteria, or paper-thin material that’s stronger than steel.”

- President Barack Obama
January 28, 2014



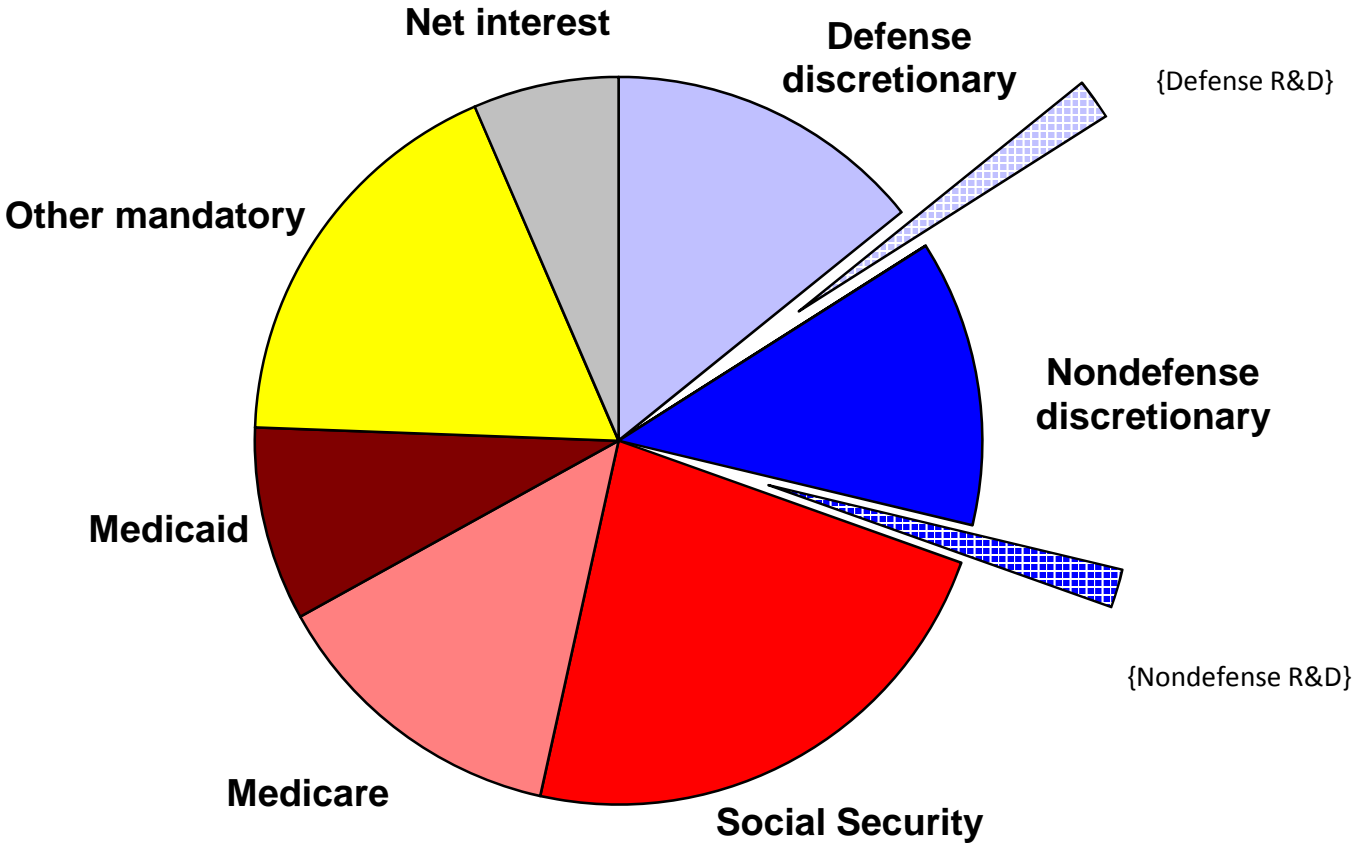
The 2015 Budget:

- Sustains a world-leading science and research enterprise
- Spurs innovation
- Makes America a leader in advanced manufacturing
- Advances cleaner, American energy
- Improves our understanding of and response to global climate change
- Supports research to improve the health of all Americans
- Prepares Americans with science, technology, engineering, and mathematics skills
- Calls for an Opportunity, Growth, and Security Initiative
- Improves America's long-term fiscal health



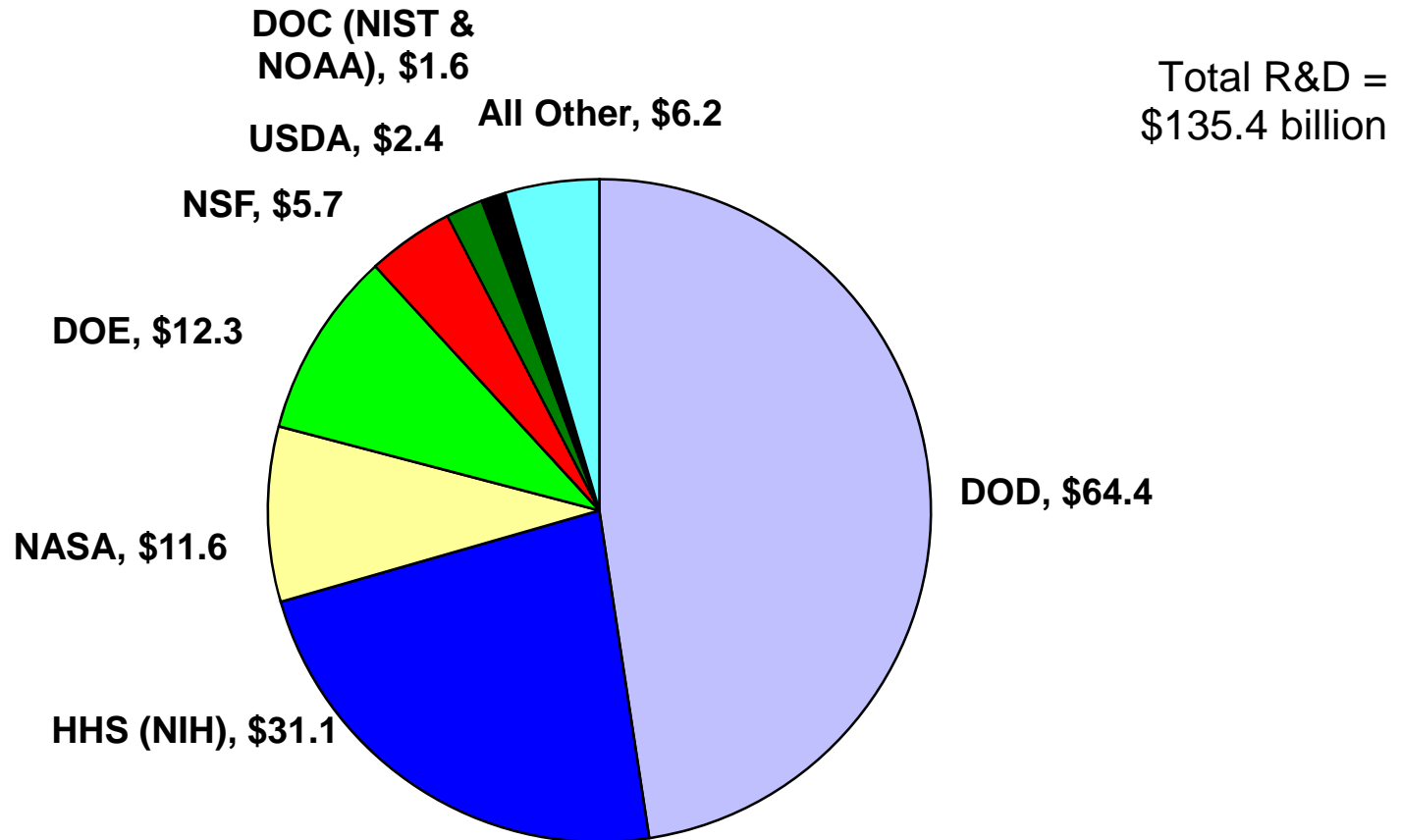
Composition of the Proposed FY 2015 Budget

Total Outlays = \$3.9 trillion

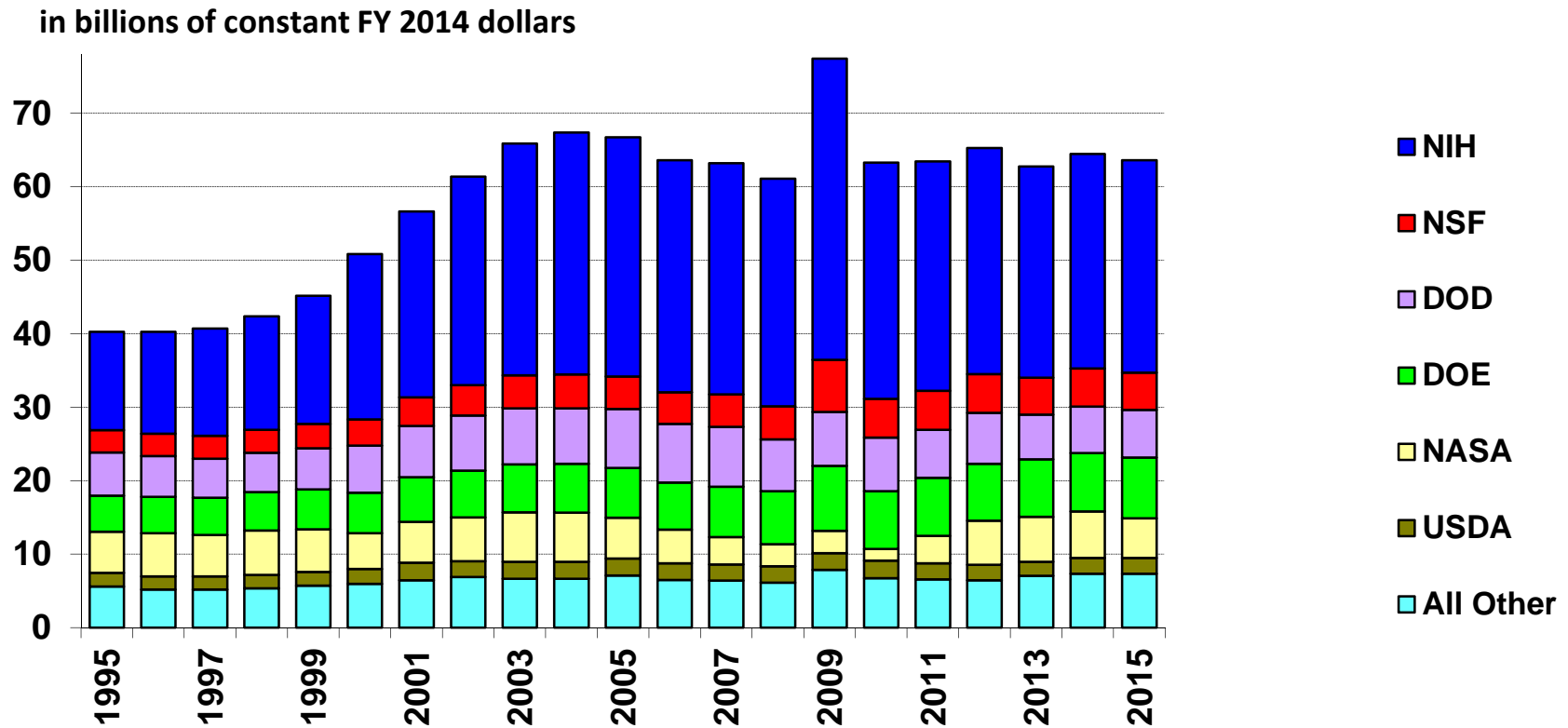


Total R&D by Agency: 2015 Budget

Budget Authority in billions of dollars



Federal Research by Agency, FY 1995-2015



FY 2009 figures include Recovery Act appropriations.
 Research includes basic research and applied research.
 FY 2015 figures exclude Opportunity, Growth, and Security Initiative proposals.
 MARCH 2014 OSTP



“We also have the chance, right now, to beat other countries in the race for the next wave of high-tech manufacturing jobs. My administration has launched two hubs for high-tech manufacturing in Raleigh, North Carolina and Youngstown, Ohio, where we’ve connected businesses to research universities that can help America lead the world in advanced technologies.”

- President Barack Obama
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“Now, one of the biggest factors in bringing more jobs back is our commitment to American energy. The all-of-the-above energy strategy I announced a few years ago is working, and today, America is closer to energy independence than we have been in decades... Taken together, our energy policy is creating jobs and leading to a cleaner, safer planet.”

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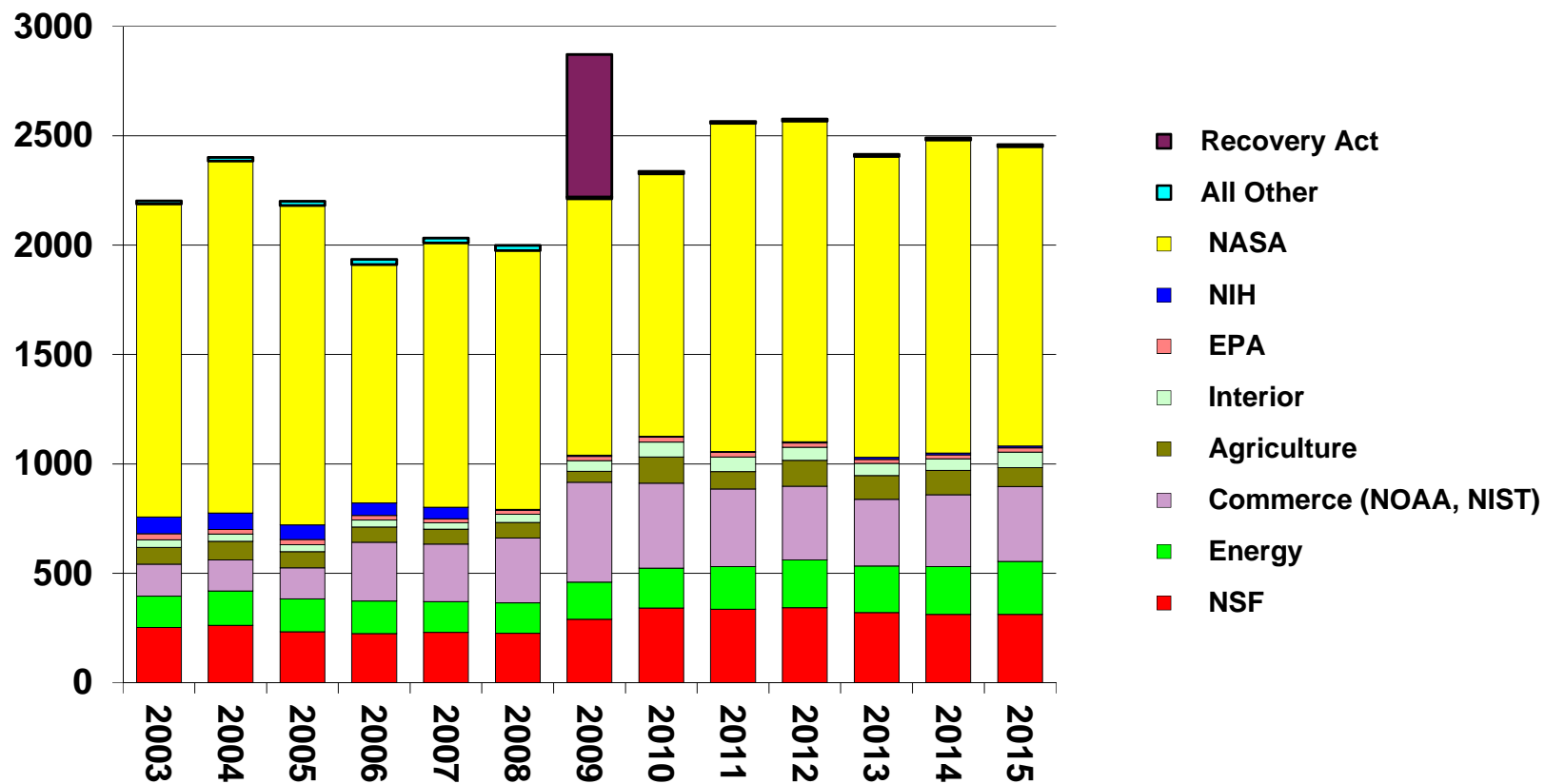
“Over the past eight years, the United States has reduced our total carbon pollution more than any other nation on Earth. But we have to act with more urgency -- because a changing climate is already harming Western communities struggling with drought, and coastal cities dealing with floods... The shift to a cleaner energy economy won’t happen overnight, and it will require some tough choices along the way. But the debate is settled. Climate change is a fact. ”

- President Barack Obama
January 28, 2014



US Global Change Research Program, by Agency

(budget authority in millions of constant FY 2014 dollars)



FY 2009 figures include Recovery Act funding.
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Health Research in the 2015 Budget

Supporting research to improve the health of all Americans

- The 2015 Budget provides \$30.2 billion for the National Institutes of Health (NIH).
- The Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative will continue with a Federal commitment of approximately \$200 million from NIH, DARPA, and NSF.



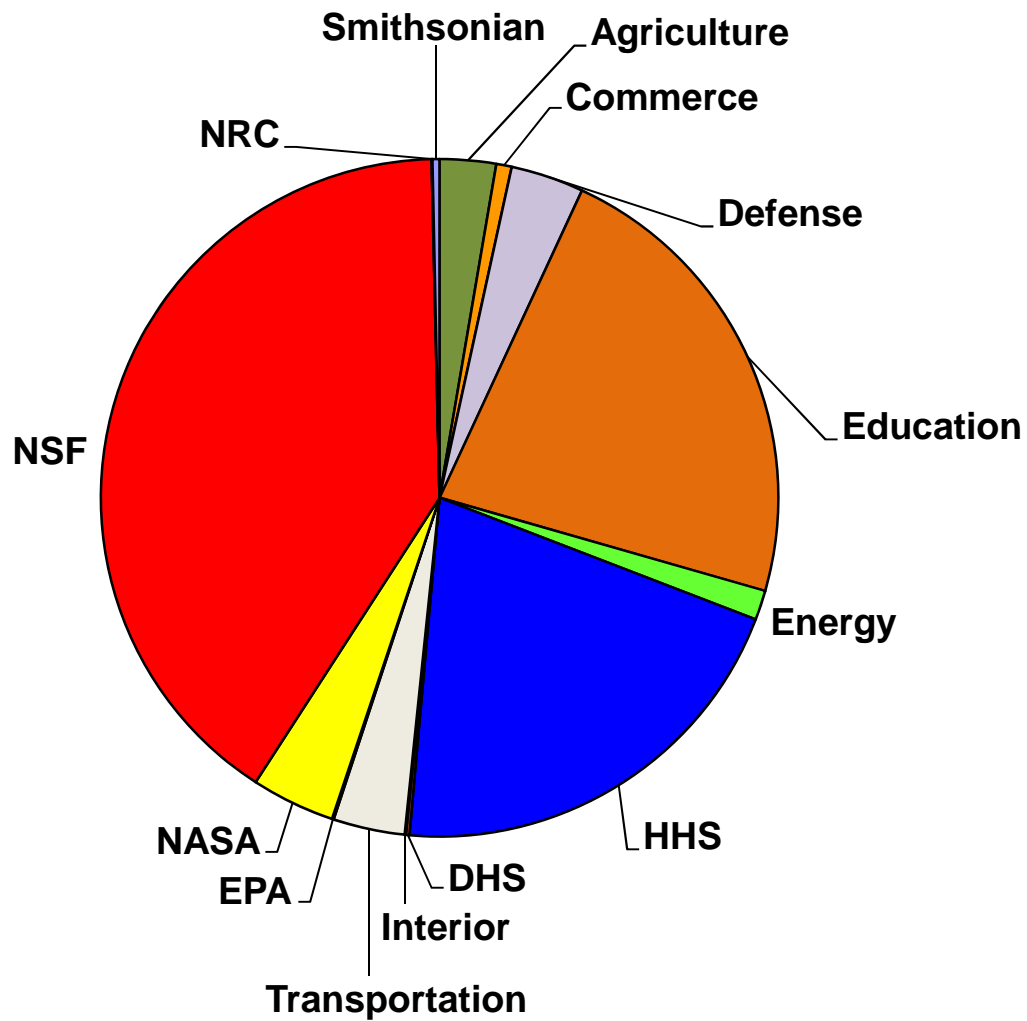


“Teachers and principals in schools from Tennessee to Washington, D.C. are making big strides in preparing students with the skills for the new economy -- problem solving, critical thinking, science, technology, engineering, math.”

- President Barack Obama
January 28, 2014



**FY 2015 President's Budget Request,
Federal STEM Education Investments by Agency
(\$2,920 million)**



**111 Investments
14 Agencies**

Opportunity, Growth, and Security Initiative

The \$56 billion Opportunity, Growth, and Security Initiative is fully paid for with a balanced package of reforms.

The Initiative proposes:

- \$970 million in additional NIH funding;
- \$1 billion in a Climate Resilience Fund;
- \$552 million for NSF to expand the frontiers of knowledge;
- \$2.1 billion for Department of Defense (DOD) R&D;
- \$886 million in additional NASA funding;
- and additional funds for investments in USDA, DOE, NIST, NOAA, and other science agencies.





THANK YOU

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