

Federal R&D Funding and S&T Policy in the Obama Administration

*The Rhode Island Science and Technology
Advisory Council
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Office of Science & Technology Policy
Executive Office of the President

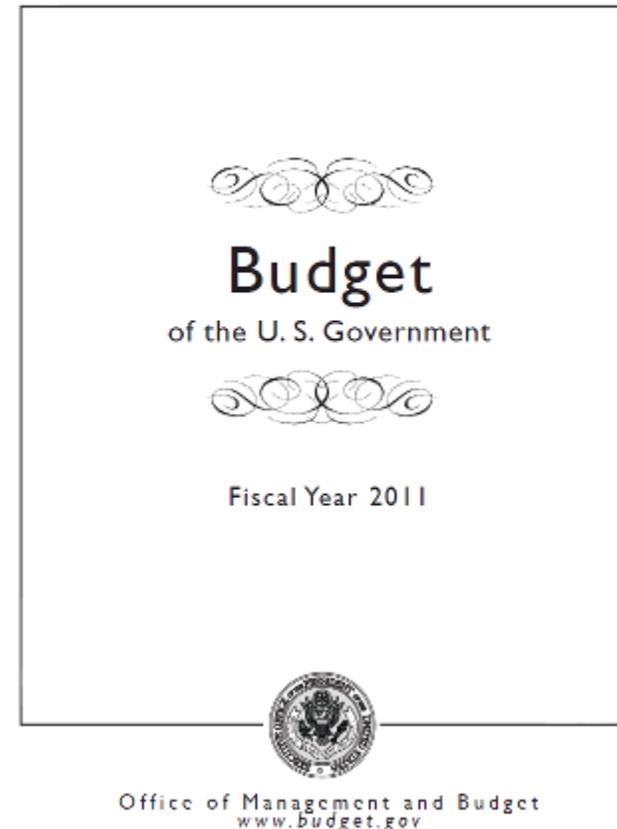


“Science is more essential for our prosperity, our security, our health, our environment, and our quality of life than it has ever been before.”

President Obama, National Academy of Sciences, April 27, 2009

R&D in the 2011 Budget

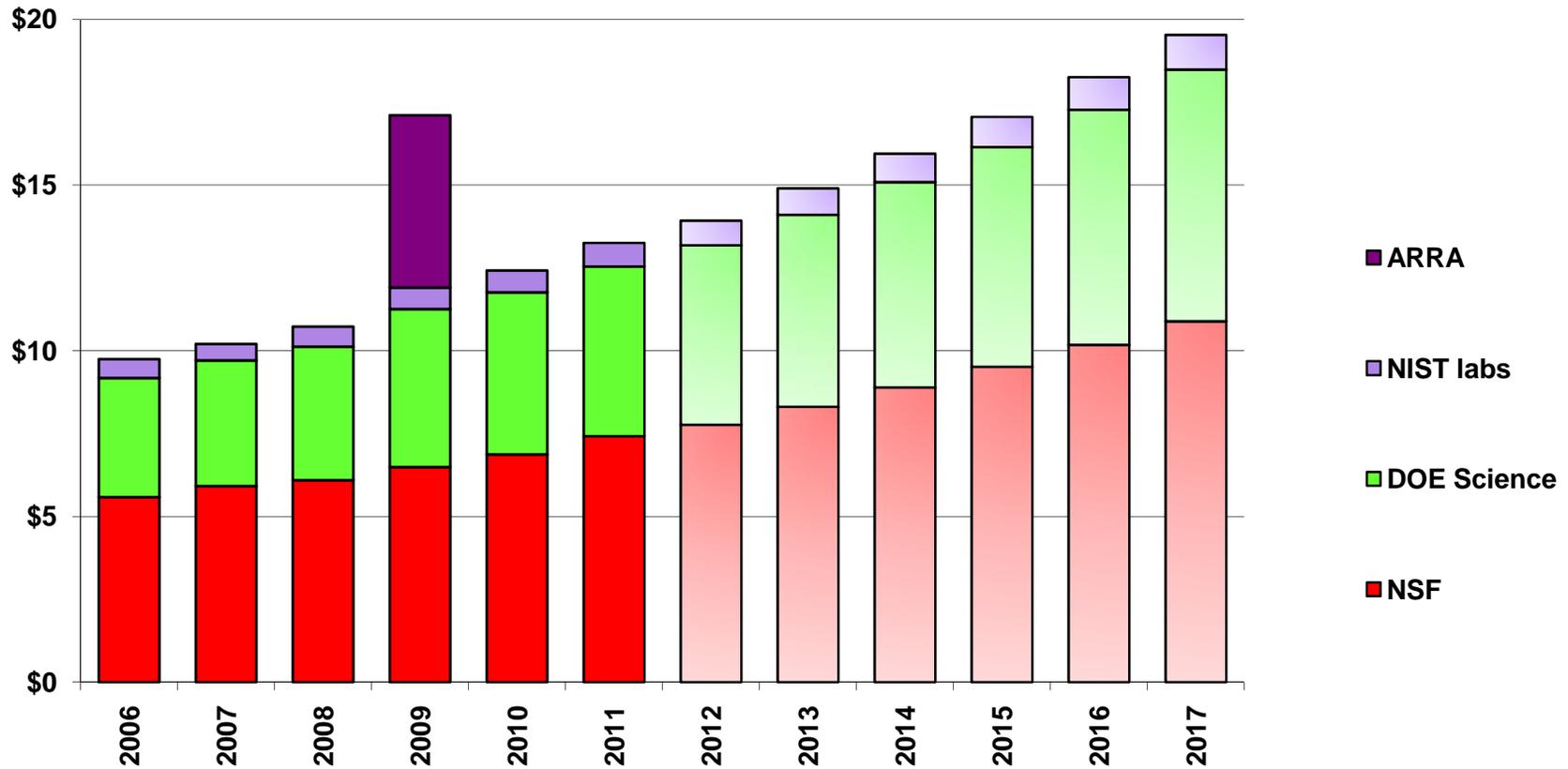
- Investing in the sciences, health, energy / climate, and security are Administration priorities in the 2011 Budget.
- The America COMPETES Reauthorization Act would carry forward the doubling vision for three key science agencies.



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President's Plan for Science and Innovation, FY 2006-2017

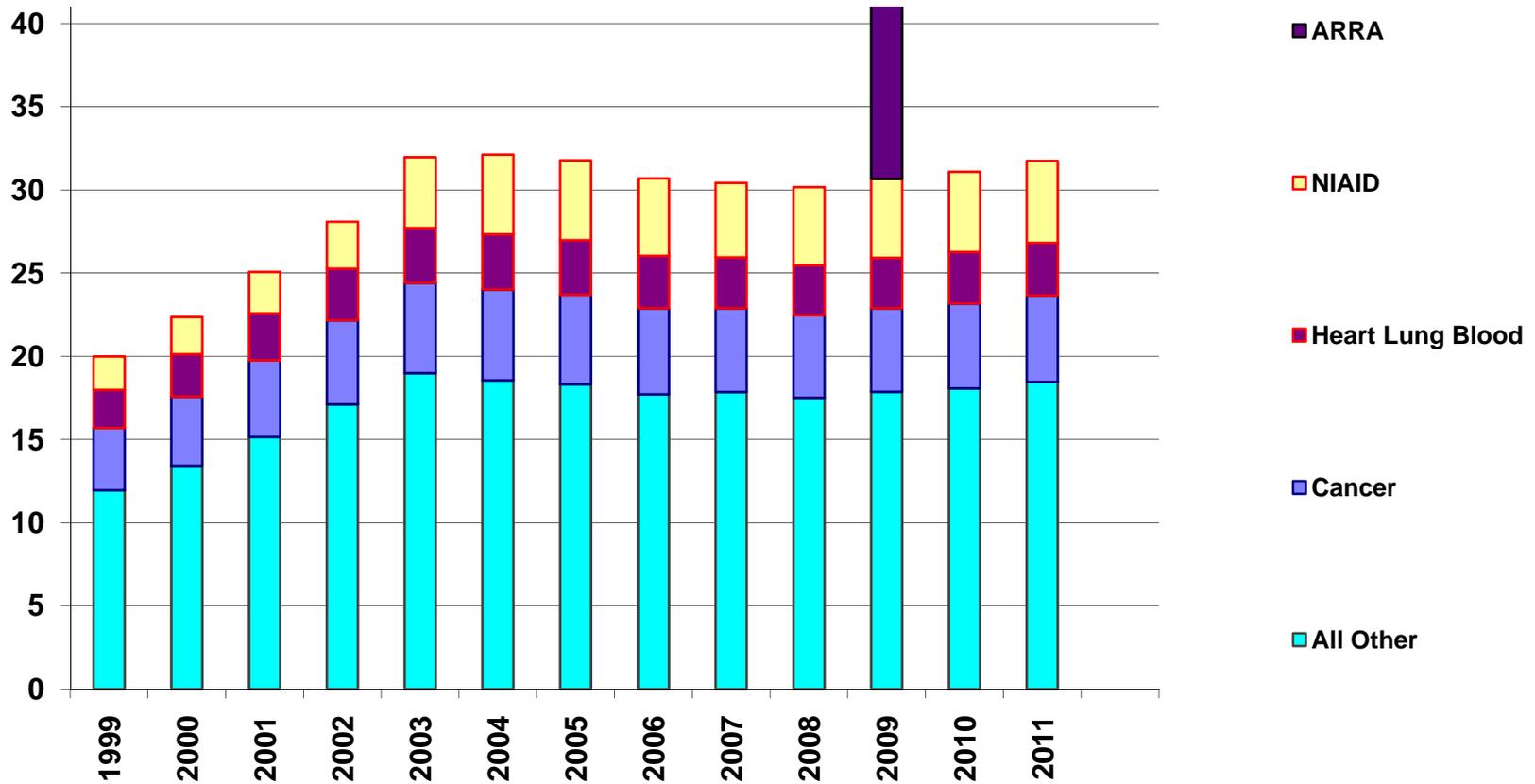
(budget authority in billions of current dollars)



2006-2010 figures are enacted budget authority; 2012-2017 figures are projections in the 2011 budget.
FEBRUARY '10 OSTP

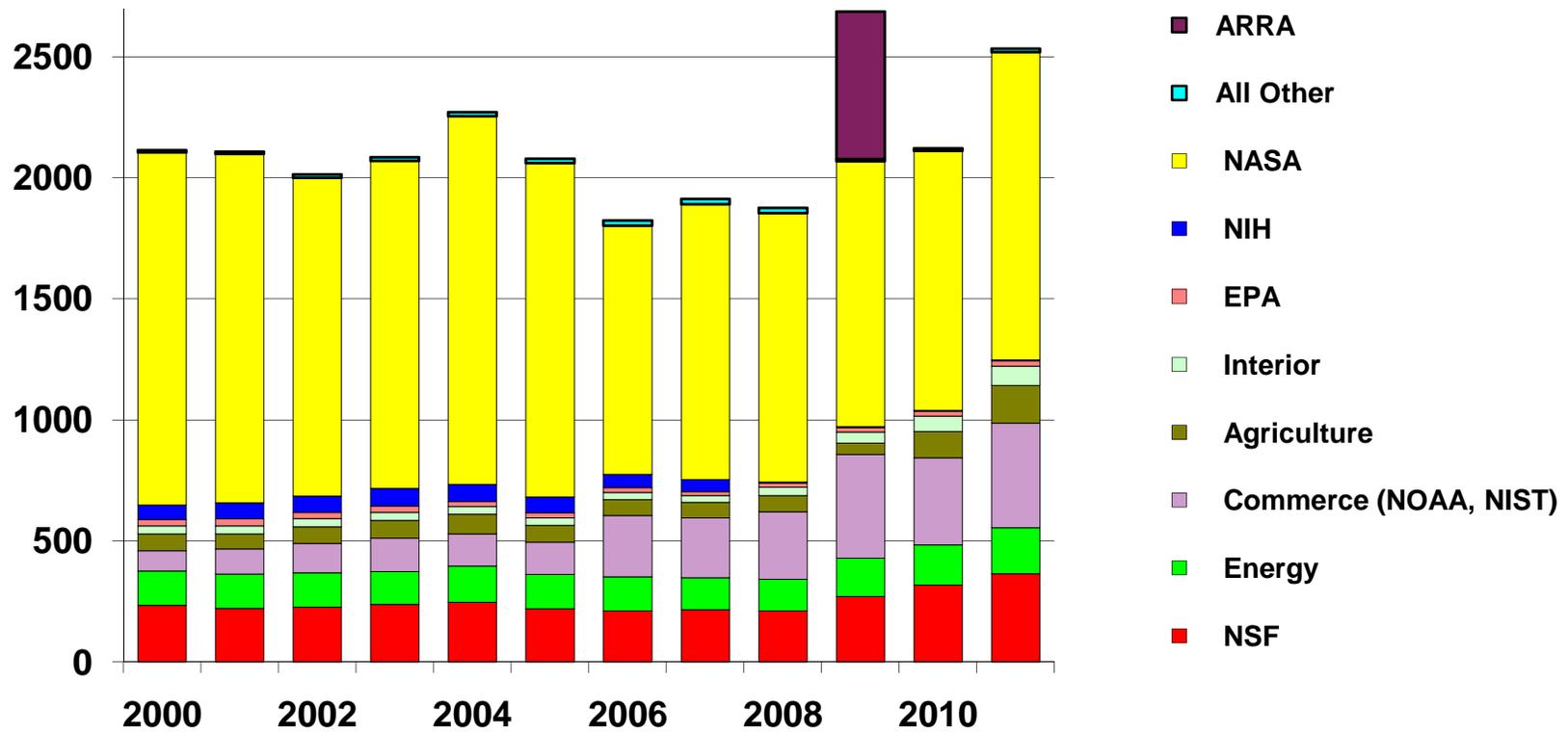
National Institutes of Health Budget with Select Institutes, 1999-2011

(budget authority in billions of constant FY 2010 dollars)



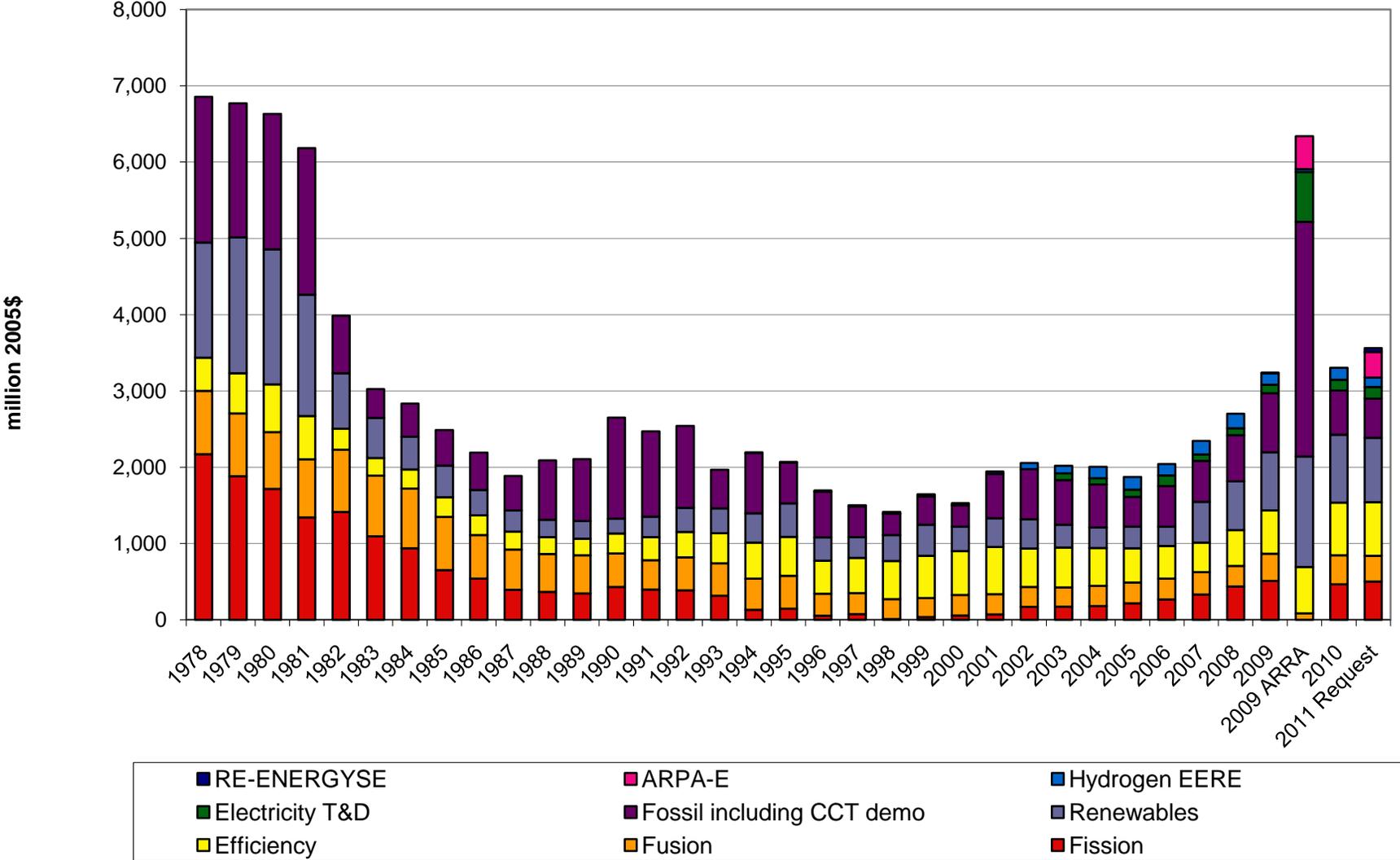
US Global Change Research Program, by Agency

(budget authority in millions of constant FY 2010 dollars, FY 2000-2011)



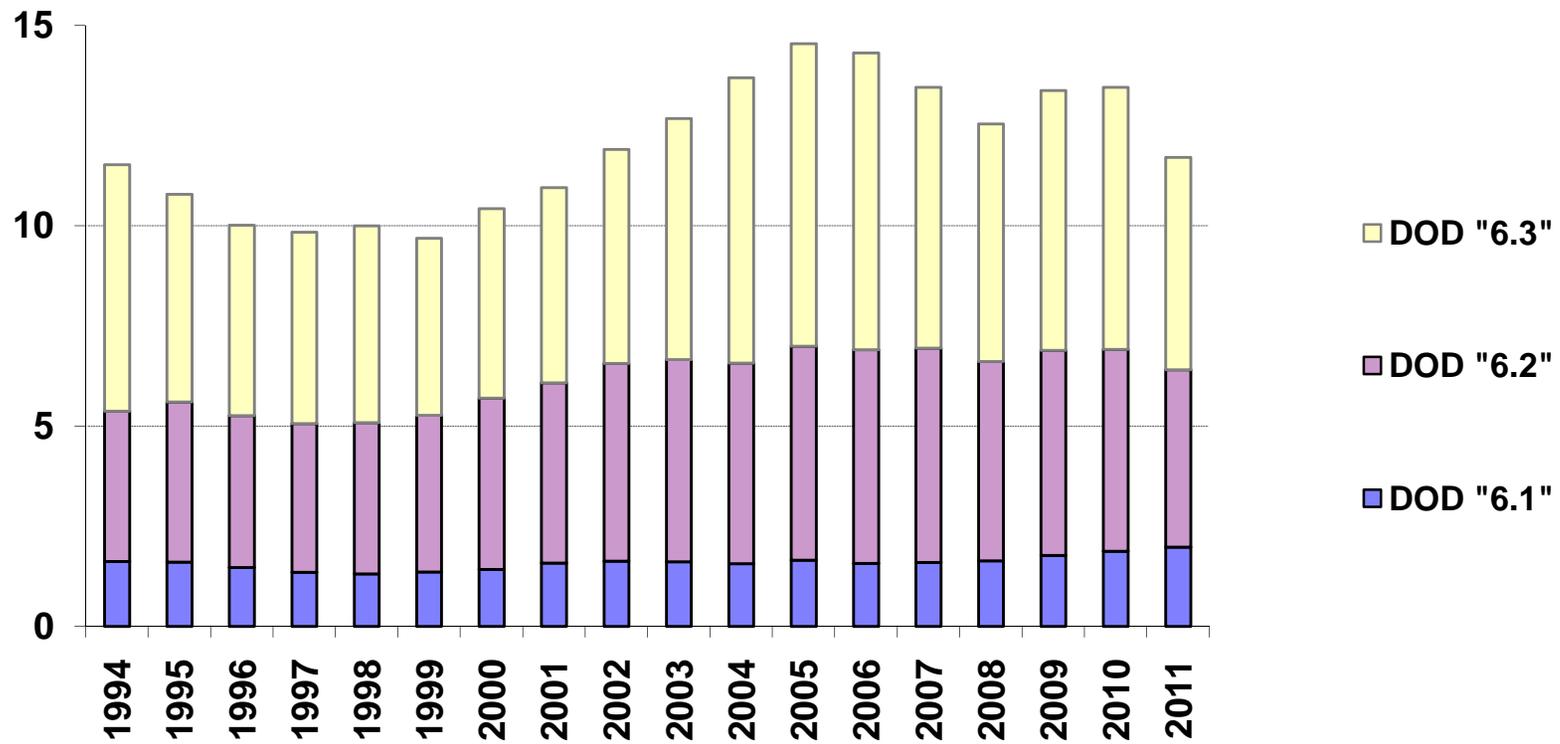
FY 2009 figures include Recovery Act funding.
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U.S. DOE Energy RD&D Spending FY1978-FY2011 Request



Gallagher, K.S. and L.D. Anadon, "DOE Budget Authority for Energy Research, Development, and Demonstration Database," Energy Technology Innovation Policy, John F. Kennedy School of Government, Harvard University, February 19, 2010.

Trends in DOD "S&T", FY 1994-2011 in billions of constant FY 2010 dollars



The 2012 Budget

- 2012 will be a very tough year.
- Agencies are asked to prepare -5% budgets.
- OSTP and OMB recently released the 2012 R&D Priorities memo.



EXECUTIVE OFFICE OF THE PRESIDENT
OFFICE OF MANAGEMENT AND BUDGET
WASHINGTON, D.C. 20503

July 21, 2010

THE DIRECTOR

M-10-30

MEMORANDUM FOR THE HEADS OF EXECUTIVE DEPARTMENTS AND AGENCIES

FROM: Peter R. Orszag *Orszag*
Director, Office of Management and Budget

John P. Holdren *Holdren*
Director, Office of Science Technology Policy

SUBJECT: Science and Technology Priorities for the FY 2012 Budget

Scientific discovery, technological breakthroughs, and innovation are major engines for expanding the frontiers of human knowledge and are indispensable for promoting sustainable economic growth, improving the health of the population, moving toward a clean energy future, addressing global climate change challenges, managing competing demands on the environment, and safeguarding our national security.



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Administration R&D Priorities

- Promoting sustainable economic growth and job creation
- Defeating the most dangerous diseases and achieving better health outcomes
- Moving toward a clean energy future
- Understanding, adapting to, and mitigating the impacts of global climate change
- Managing competing demands on natural resources, based on sustainability and biodiversity
- Developing the technologies to protect our troops, citizens, and national interests



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Partnerships – Working Together

- “Educate to Innovate” campaign
- Start Up America campaign to encourage innovation-based entrepreneurship
- Proposal to make the R&E Tax Credit permanent
- Strengthening the SBIR program
- Using prizes and challenges to harness the creativity of the private sector – challenge.gov



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The Outlook for Fall 2010

- We are working with Congress on 2011 appropriations; so far, they are mostly aligned with the 2011 Budget.
- 2011 appropriations will be delayed until after the November elections; all agencies are operating under a continuing resolution (CR) at 2010 funding levels.
- OSTP's top legislative priority is the America COMPETES reauthorization.



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Thank You

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The screenshot shows the official website of the Office of Science and Technology Policy (OSTP) at the White House. The header features the White House logo and navigation links such as 'BLOG', 'PHOTOS & VIDEO', 'BRIEFING ROOM', 'ISSUES', 'the ADMINISTRATION', 'the WHITE HOUSE', and 'our GOVERNMENT'. The main content area is titled 'Office of Science and Technology Policy' and includes a search bar. Below the title, there is a navigation menu with links for 'About OSTP', 'OSTP Blog', 'Pressroom', 'Divisions', 'R&D Budgets', 'Resource Library', 'NSTC', 'PCAST', and 'Contact Us'. The central message reads: 'SCIENCE, TECHNOLOGY and INNOVATION' followed by a quote from President Barack Obama: 'Whether it's improving our health or harnessing clean energy, protecting our security or succeeding in the global economy, our future depends on reaffirming America's role as the world's engine of scientific discovery and technological innovation.' A photograph of President Obama and other officials is visible on the right side of the page.



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