

TABLE 124. Federal obligations for applied research, by agency: FYs 2005–15
(Dollars in millions)

Agency	2005	2006	2007	2008	2009	2010	2011	2012	2013	Preliminary	
										2014	2015
All agencies	26,597.9	26,951.1	27,227.8	26,739.7	30,812.5	31,932.6	28,710.1	30,988.0	29,420.4	31,060.5	31,139.5
Departments											
Department of Agriculture	1,049.2	1,084.7	1,130.2	1,136.1	1,145.3	1,158.8	1,162.0	1,114.3	1,025.2	1,221.6	1,170.6
Agricultural Marketing Service	7.7	6.3	6.4	2.5	2.1	2.2	2.1	2.1	2.5	2.9	4.3
Agricultural Research Service	454.2	465.3	468.2	460.3	456.5	471.3	453.2	435.9	405.7	452.8	441.8
Economic Research Service	66.6	67.5	83.4	73.4	70.9	84.5	73.5	70.2	64.5	71.1	76.4
Foreign Agricultural Service	1.1	0.6	0.4	0.3	0.3	0.3	0.4	0.5	0.5	0.5	0.5
Forest Service	133.2	138.2	191.9	173.0	192.2	184.3	192.0	187.2	204.7	231.2	179.6
Grain Inspection, Packers, and Stockyards Administration	6.7	7.1	0.0	0.0	0.0	0.0	0.0	6.7	6.2	6.7	7.3
National Agricultural Statistics Service	4.3	4.6	4.8	4.3	4.2	4.2	4.1	3.9	4.1	3.9	4.0
National Institute of Food and Agriculture ^a	371.7	390.9	354.1	418.1	414.9	407.2	435.0	403.2	333.5	448.9	453.4
Rural Business-Cooperative Service	3.6	4.1	21.0	4.2	4.1	4.8	1.7	4.5	3.6	3.6	3.2
Department of Commerce	830.5	767.3	825.7	853.1	820.8	932.8	775.4	814.3	832.6	1,087.2	1,024.4
Economic Development Administration	0.5	0.2	0.8	1.3	1.3	1.3	0.2	NA	NA	NA	NA
National Institute of Standards and Technology	298.6	282.6	312.4	296.8	342.6	456.5	307.9	333.3	335.4	390.6	386.5
National Oceanic and Atmospheric Administration	520.3	471.8	500.1	542.7	463.8	458.0	448.8	396.1	374.9	449.2	468.1
National Telecommunications and Information Administration	6.9	6.7	7.0	7.0	6.9	7.6	7.8	7.6	7.3	9.2	8.9
U.S. Census Bureau	4.2	6.0	5.3	5.3	6.2	9.4	10.8	77.3	115.0	238.1	160.9
Department of Defense	4,532.0	4,447.7	4,866.8	4,964.4	5,061.7	5,212.0	4,710.3	4,626.7	4,092.5	4,732.2	4,464.3
Defense Advanced Research Projects Agency ^b	NA	NA	NA	NA	NA	NA	1,129.8	1,151.3	983.3	1,275.7	1,140.3
Defense agencies and activities ^b	1,594.6	1,580.2	1,630.8	1,719.5	1,863.9	2,028.8	na	na	na	na	na
Department of the Air Force	876.8	1,000.5	1,117.9	1,191.9	1,172.0	1,202.6	1,203.2	1,223.2	1,054.7	1,090.7	1,087.7
Department of the Army	1,303.4	1,103.8	1,336.7	1,239.0	1,235.8	1,260.8	1,063.4	915.0	859.0	954.8	877.2
Department of the Navy	757.3	763.3	781.4	814.0	789.9	719.7	748.4	826.1	740.1	895.8	820.2
Other defense agencies ^{b, c}	NA	NA	NA	NA	NA	NA	565.5	511.1	455.4	515.1	539.0
Department of Education	204.4	213.0	207.4	199.5	198.4	218.0	205.5	201.6	177.8	188.3	205.4
Department of Energy	2,957.3	2,885.7	2,848.9	2,919.3	3,127.2	3,628.8	3,388.4	3,403.9	3,482.3	3,578.6	3,969.7
Advanced Research Projects Agency—Energy	na	na	na	0.0	0.0	205.1	127.8	56.4	92.0	95.9	127.0
Bonneville Power Administration	8.9	9.8	8.6	11.1	6.4	3.9	1.3	0.7	3.5	5.5	5.7
Civilian Radioactive Waste Management	53.5	52.9	10.5	1.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	66.5	93.4	57.3	27.3	61.7	66.1	55.3	57.7	49.8	62.9	57.6
Energy Efficiency and Renewable Energy	249.1	210.2	342.3	416.8	651.1	891.0	465.9	434.5	529.8	532.1	636.0
Environmental Management	14.9	10.2	2.4	2.3	10.9	30.8	22.3	14.7	3.0	1.7	5.3
Fossil Energy	206.7	210.8	211.0	179.0	241.8	213.3	180.7	161.4	150.6	150.4	118.6
National Nuclear Security Administration	2,274.5	2,210.9	2,145.8	2,151.3	2,039.3	1,917.7	2,208.3	2,293.2	2,355.0	2,401.9	2,693.7
Defense Programs	2,193.4	2,076.2	2,028.4	1,967.1	1,795.8	1,710.3	1,974.7	2,143.4	2,141.6	2,267.8	2,559.6
Nonproliferation and Verification	81.0	134.7	117.4	184.2	243.5	207.4	233.6	149.8	213.4	134.1	134.1

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Department of State	3.3	4.2	3.8	3.7	3.7	2.9	3.3	2.2	1.5	1.4	1.4
Department of Transportation	254.6	533.6	587.0	634.1	586.7	641.2	632.6	690.0	647.5	684.5	771.2
Federal Aviation Administration	128.3	136.6	128.2	140.4	162.9	236.6	210.1	216.4	196.9	210.4	235.9
Federal Highway Administration	51.7	286.8	345.8	347.3	316.8	291.2	295.4	340.5	320.1	306.8	354.5
Federal Motor Carrier Safety Administration	6.6	5.3	9.4	8.4	6.9	6.6	5.7	6.9	7.2	7.7	8.7
Federal Railroad Administration	25.7	40.8	31.5	37.5	8.3	9.7	20.3	27.5	39.5	43.5	39.0
Federal Transit Administration	0.3	3.6	2.8	3.6	4.2	20.0	23.3	24.8	13.6	40.5	46.3
National Highway Traffic Safety Administration	40.1	57.5	64.1	83.3	82.0	70.8	71.0	68.7	64.8	65.1	75.1
Pipeline and Hazardous Materials Safety Administration	1.8	2.2	3.6	2.8	2.1	2.1	3.4	2.0	2.0	6.1	7.4
Research and Innovative Technology Administration	0.1	0.7	1.7	10.7	3.7	4.2	3.4	3.3	3.4	4.4	4.4
Department of the Treasury	63.1	60.4	58.9	64.4	66.8	68.3	76.7	75.2	73.2	72.9	73.0
Bureau of Engraving and Printing	5.4	5.1	4.1	4.8	1.8	0.9	4.9	4.6	8.4	8.6	8.7
Internal Revenue Service	57.8	55.4	54.8	59.6	64.9	66.3	70.8	69.0	64.5	64.1	64.1
U.S. Mint	0.0	0.0	0.0	0.0	0.0	1.1	1.0	1.6	0.2	0.2	0.2
Department of Veterans Affairs	205.8	210.8	228.4	245.6	274.0	297.0	324.9	325.9	355.0	318.2	318.2
Other agencies											
Agency for International Development	198.3	197.0	232.9	121.0	159.6	83.5	119.2	77.4	116.5	118.8	121.2
Appalachian Regional Commission	0.8	1.0	0.8	0.8	1.0	0.6	0.4	0.6	0.2	0.8	0.8
Broadcasting Board of Governors	0.2	0.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Commission	NA	NA	NA	NA	NA	NA	NA	2.0	1.3	2.0	2.0
Environmental Protection Agency	416.2	400.5	391.5	371.8	384.4	397.9	403.4	403.7	446.2	453.5	454.5
Federal Communications Commission	5.1	7.1	6.4	6.7	6.9	3.7	3.7	4.0	5.2	6.7	4.6
Federal Trade Commission	1.2	1.6	1.5	2.6	2.4	3.0	2.7	2.9	2.7	2.1	2.2
Library of Congress	1.6	3.3	0.5	0.5	0.5	0.7	0.9	0.5	0.7	0.7	0.7
National Aeronautics and Space Administration	1,489.4	1,468.6	818.8	531.2	681.8	693.6	717.8	2,494.3	2,598.2	2,480.8	2,326.1
National Archives and Records Administration	0.1	0.1	0.1	4.6	4.6	4.6	3.1	2.0	1.1	0.9	0.9

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Agency	2005	2006	2007	2008	2009	2010	2011	2012	2013	Preliminary	
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National Science Foundation	332.2	286.6	351.7	419.7	471.3	348.5	455.0	517.4	594.4	613.6	624.7
Nuclear Regulatory Commission	70.1	71.4	76.5	61.0	61.2	85.4	83.8	82.6	75.9	77.1	82.8
Social Security Administration	35.1	67.8	68.2	54.1	67.9	63.0	53.0	64.9	56.7	65.2	63.8

na = not applicable; agency or subagency did not exist as such or in that organization in that year. NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

^a The Cooperative State Research, Education, and Extension Service changed its name to the National Institute of Food and Agriculture in FY 2008.

^b In FY 2011, excepting the Defense Advanced Research Projects Agency, the Office of the Secretary of Defense began reporting for the agencies that had been presented under Department of Defense (DOD) agencies and activities and Operational Test and Evaluation, Director. These are now reported under Other defense agencies.

^c As of the FYs 2011–13 survey, Other defense agencies displays aggregated data of DOD subagencies engaged in classified R&D projects.

^d The Bureau of Ocean Energy Management, Regulation and Enforcement was split into the Bureau of Ocean Energy Management and the Bureau of Safety and Environmental Enforcement in FY 2012.

^e The Minerals Management Service changed its name to the Bureau of Ocean Energy Management, Regulation and Enforcement in FY 2010.

NOTES: Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. The Transportation Security Laboratory (TSL) initially existed under the Transportation Security Administration (TSA) of the Department of Homeland Security (DHS), but in the 2005 DHS reorganization, TSL was moved from TSA to the Science and Technology Directorate. In FY 2006, the National Aeronautics and Space Administration (NASA) reclassified as operational costs funding for Space Operations, the Hubble Space Telescope, the Stratospheric Observatory for Infrared Astronomy, and the James Webb Space Telescope that previously had been reported as R&D plant. Between FY 2006 and FY 2007, NASA's R&D obligations decreased for two reasons: (1) in FY 2007, NASA excluded projects that were operational in nature that were not excluded in FY 2006, which accounts for \$850 million of the decrease; and (2) there was an overall decrease in obligations between FY 2006 and FY 2007, which accounts for the remainder of the decrease. In FY 2010, NASA resumed reporting International Space Station (ISS) obligations as R&D plant. In FY 2012, NASA began reporting ISS obligations as research rather than R&D plant. See appendix C for additional notes associated with the agencies listed in this table. FYs 2009 and 2010 obligations include additional funding provided by the American Recovery and Reinvestment Act of 2009.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development.