

TABLE 98. Federal obligations for research and development, by agency: FYs 2002–12
(Dollars in millions)

Agency	2002	2003	2004	2005	2006	2007	2008	2009	2010	Preliminary	
										2011	2012
All agencies ^a	93,708.6	103,527.3	112,074.5	118,847.9	121,729.9	127,262.9	127,105.7	141,092.5	140,354.5	132,140.6	130,952.4
Departments											
Department of Agriculture	1,971.8	2,039.6	2,102.2	2,184.3	2,213.7	2,248.4	2,202.1	2,269.7	2,364.2	2,591.3	2,377.9
Agricultural Marketing Service	5.2	4.8	9.0	7.9	6.3	6.4	5.0	4.3	4.4	4.3	4.3
Agricultural Research Service	1,059.8	1,062.0	1,098.1	1,107.7	1,134.9	1,142.0	1,122.6	1,141.2	1,178.3	1,185.0	1,200.0
Animal and Plant Health Inspection Service	23.7	28.0	24.4	24.4	25.5	26.0	28.4	28.9	30.1	29.1	28.0
Economic Research Service	67.0	68.4	70.8	74.0	75.0	92.0	77.8	81.3	86.4	88.4	77.8
Foreign Agricultural Service	1.4	1.6	1.6	1.5	0.9	0.6	0.4	0.4	0.4	0.4	0.4
Forest Service	253.0	292.0	296.0	300.7	308.1	320.3	295.0	344.1	356.5	384.0	325.0
Grain Inspection, Packers, and Stockyards Administration	6.0	5.3	6.7	6.7	7.1	6.7	6.6	6.5	6.3	6.7	6.7
National Agricultural Statistics Service	4.6	5.5	6.1	6.1	6.5	6.8	6.9	7.2	7.5	7.3	7.3
National Institute of Food and Agriculture ^b	546.7	568.1	585.7	651.6	645.1	626.6	655.1	651.5	689.6	882.0	724.3
Rural Business-Cooperative Service	4.2	3.8	3.8	3.6	4.1	21.0	4.2	4.1	4.8	4.2	4.2
Department of Commerce	1,151.4	1,208.0	1,058.9	1,033.4	941.7	1,027.7	1,044.7	1,146.9	1,274.4	1,135.5	1,495.1
Economic Development Administration	0.5	0.5	0.2	0.5	0.2	0.8	2.2	2.9	6.8	0.6	5.2
National Institute of Standards and Technology	451.4	476.0	444.2	418.7	385.7	456.5	430.0	500.5	687.4	563.1	794.2
National Oceanic and Atmospheric Administration	651.3	685.4	566.3	583.8	526.9	540.7	580.8	607.5	525.4	524.2	574.6
National Telecommunications and Information Administration	19.6	23.5	24.2	6.9	6.7	7.0	7.0	6.9	7.6	8.1	8.8
U.S. Census Bureau	28.7	22.5	24.2	23.5	22.1	22.6	24.7	29.0	47.2	39.5	112.3
Department of Defense ^a	45,412.7	51,897.1	57,792.9	63,387.7	65,870.7	72,211.2	71,833.3	75,856.5	73,471.1	71,684.2	70,868.9
Defense agencies and activities	12,075.6	12,502.9	13,067.5	15,324.5	14,303.7	15,903.7	15,905.6	16,240.9	16,264.5	14,772.1	13,754.9
Department of the Air Force ^a	14,740.0	18,259.0	20,319.0	19,971.0	21,687.9	25,264.0	25,232.3	27,950.3	26,521.4	28,530.7	29,462.6
Department of the Army	7,076.6	7,609.5	9,223.0	10,208.3	11,318.3	11,628.6	11,877.8	11,908.5	10,853.2	10,366.3	9,626.6
Department of the Navy	11,287.0	13,290.0	14,885.2	17,576.4	18,381.9	19,233.0	18,633.0	19,570.6	19,635.0	17,822.0	17,833.7
Operational Test and Evaluation, Director	233.5	235.7	298.2	307.5	178.9	181.9	184.7	186.2	196.9	193.1	191.1
Department of Education	285.6	302.9	311.4	316.0	337.0	333.1	328.1	322.4	362.8	346.3	399.3
Department of Energy	7,044.2	7,411.9	7,553.8	7,733.4	7,562.0	7,877.4	8,238.8	9,889.9	10,685.5	9,136.2	10,314.5
Advanced Research Projects Agency-Energy	na	na	na	na	na	na	na	0.0	377.8	17.8	178.1
Bonneville Power Administration	22.9	23.3	24.7	11.3	10.7	11.1	13.7	8.1	13.1	13.2	15.3
Civilian Radioactive Waste Management	62.5	75.8	78.9	53.5	52.9	10.5	1.4	0.1	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	NA	NA	NA	80.3	133.5	92.5	82.7	87.2	113.3	103.3	179.4
Energy Efficiency and Renewable Energy	739.8	682.3	583.9	557.3	430.6	661.6	729.1	1,583.7	1,895.2	1,070.9	999.7
Environmental Management	160.3	69.4	42.8	49.8	34.0	18.7	19.4	30.2	89.8	69.4	133.2
Fossil Energy	363.3	639.3	526.1	566.4	435.7	418.6	403.9	485.8	484.8	410.6	296.5
National Nuclear Security Administration	3,302.4	3,475.4	3,600.2	3,618.8	3,557.3	3,590.9	3,718.2	3,547.7	3,448.4	3,616.5	3,998.7
Defense Programs	2,372.7	2,576.7	2,727.4	2,732.9	2,593.6	2,655.9	2,707.4	2,476.2	2,247.4	2,385.9	2,619.0
Fissile Materials Disposition	27.4	25.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Naval Reactors	637.0	650.0	708.6	740.5	720.4	730.3	711.8	756.4	914.3	913.2	1,062.2
Nonproliferation and Verification	265.4	223.5	163.3	145.5	243.3	204.8	299.0	315.1	286.7	317.5	317.5

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										2011	2012
Nuclear Energy	42.5	47.1	74.3	84.5	89.0	80.9	133.1	116.0	368.1	180.8	377.4
Office of Intelligence	5.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Science	2,345.1	2,395.3	2,623.1	2,711.5	2,818.3	2,992.5	3,137.3	4,031.2	3,895.1	3,653.7	4,136.3
Department of Health and Human Services	24,011.6	26,399.1	28,133.2	28,745.5	28,765.6	29,301.5	29,553.3	35,584.0	35,934.5	31,573.7	32,073.4
Administration for Children and Families	23.3	20.9	20.1	38.6	14.4	11.8	19.4	14.0	6.8	6.9	7.0
Administration on Aging	3.7	0.0	3.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	298.7	308.7	303.7	318.7	318.7	318.9	334.4	378.1	852.5	1,090.6	610.9
Agency for Toxic Substances and Disease Registry	12.4	14.3	10.7	9.5	9.0	4.2	4.3	4.5	2.8	3.8	3.5
Ctrs. for Disease Control and Prevention	521.0	564.0	539.8	510.8	544.6	544.3	538.2	420.3	446.9	427.4	414.0
Ctrs. for Medicare and Medicaid Services	117.0	73.6	77.6	77.3	62.4	57.3	31.1	30.1	81.7	35.5	31.2
Food and Drug Administration	136.3	138.3	132.3	142.1	143.3	129.3	137.9	166.4	210.6	231.7	233.1
Health Resources and Services Administration	54.1	43.2	47.4	52.9	23.6	23.2	62.1	56.3	66.3	36.2	35.6
National Institutes of Health	22,110.1	25,156.4	26,890.4	27,500.3	27,565.6	28,146.3	28,404.4	34,494.3	34,212.6	29,720.9	30,718.5
Office of the Secretary	17.4	22.5	21.1	24.8	26.8	24.5	21.5	20.0	54.4	20.6	19.6
Office of Public Health and Science	2.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	14.9	19.9	21.1	24.8	26.8	24.5	21.5	20.0	54.4	20.6	19.6
Substance Abuse and Mental Health Services Administration	717.6	57.2	87.2	67.6	54.3	41.8	0.0	0.0	0.0	0.0	0.0
Department of Homeland Security	na	NA	946.0	1,362.2	1,725.4	862.9	837.2	672.5	674.1	634.7	710.6
Science and Technology Directorate	na	NA	792.2	1,167.3	1,691.6	841.0	816.9	652.4	649.4	590.7	689.9
Transportation Security Administration	na	NA	137.9	180.5	11.7	3.8	0.0	0.0	0.0	0.0	0.0
U.S. Coast Guard	na	NA	15.0	13.4	21.2	17.2	19.6	20.1	24.7	44.0	20.6
U.S. Secret Service	na	NA	1.0	1.0	1.0	0.8	0.7	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	45.3	39.0	46.6	43.5	33.5	40.4	29.6	33.2	61.7	90.5	105.8
Department of the Interior	632.8	596.7	604.6	589.5	603.0	615.1	636.2	732.4	721.7	688.6	708.8
Bureau of Ocean Energy Management, Regulation and Enforcement ^c	31.2	26.7	27.2	27.1	28.9	25.0	32.4	35.7	43.4	39.4	46.0
Bureau of Reclamation	10.4	9.5	10.9	12.7	8.8	8.5	8.9	8.5	9.7	9.2	9.2
National Park Service	26.2	10.3	14.3	3.5	3.8	7.7	8.5	14.1	7.6	0.0	0.0
U.S. Geological Survey	565.0	550.2	552.2	546.2	561.5	573.8	586.4	674.1	661.1	640.0	653.6
Department of Justice	99.2	148.2	105.3	127.5	127.9	176.2	113.4	103.4	125.4	101.0	43.9
Bureau of Prisons	8.7	9.7	10.8	12.7	12.2	12.7	10.6	10.5	10.8	10.9	11.2
Federal Bureau of Investigation	33.6	42.8	34.0	33.5	34.3	70.8	26.1	14.5	30.0	17.7	17.7
Office of Justice Programs	56.9	95.7	60.5	81.3	81.5	92.7	76.8	78.4	84.6	72.4	15.0
Department of Labor	166.4	189.1	199.4	164.4	95.3	49.6	42.5	31.4	14.3	13.9	10.5
Bureau of Labor Statistics	20.7	20.6	22.4	22.5	22.8	23.7	24.2	0.0	0.0	0.0	0.0
Employee Benefits Security Administration	2.7	2.7	2.5	2.7	2.6	1.8	2.2	2.2	5.8	5.1	2.5
Employment and Training Administration	137.1	160.0	170.0	133.7	64.1	18.8	10.7	22.4	0.0	0.0	0.0
Occupational Safety and Health Administration	3.8	3.1	3.4	3.4	3.5	3.4	3.6	4.5	5.9	6.1	6.2
Office of the Secretary	1.2	1.8	0.2	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0
Pension Benefit Guaranty Corp.	0.7	0.9	0.9	1.6	1.9	1.8	1.8	2.4	2.6	2.8	1.8

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Department of State	2.3	2.3	3.0	3.3	4.2	3.8	3.7	3.7	2.9	3.3	3.3
Department of Transportation	815.5	693.3	629.3	418.4	819.2	791.2	806.1	826.0	908.1	997.0	986.0
Federal Aviation Administration	345.1	245.0	217.8	226.6	260.0	241.9	257.1	297.7	390.4	419.2	392.7
Federal Highway Administration	258.3	305.2	323.4	73.9	400.1	404.7	377.3	347.8	336.8	360.2	346.5
Federal Motor Carrier Safety Administration	3.7	6.8	6.4	6.6	5.3	9.4	8.4	6.9	6.9	6.3	6.9
Federal Railroad Administration	33.2	32.2	28.6	30.7	47.2	37.7	37.5	39.8	41.1	71.9	92.6
Federal Transit Administration	5.8	7.1	4.6	4.2	16.6	6.0	9.5	10.4	22.6	27.9	31.1
National Highway Traffic Safety Administration	59.6	65.4	6.7	40.1	57.5	64.1	83.3	82.0	70.8	64.8	89.5
Office of the Secretary	18.4	21.0	31.8	21.0	14.8	6.5	13.5	20.5	23.5	25.3	9.8
Pipeline and Hazardous Materials Safety Administration	0.0	0.0	10.0	13.9	15.2	18.2	8.9	9.8	10.0	14.7	10.1
Research and Special Programs Administration	10.2	10.6	na	na							
Research and Innovative Technology Administration	na	na	0.0	1.5	2.5	2.7	10.7	11.1	6.0	6.8	6.8
Transportation Security Administration	59.0	na	na								
U.S. Coast Guard	22.0	na	na								
Department of the Treasury	74.4	60.0	62.4	66.4	65.1	63.6	65.5	68.6	68.5	77.9	76.0
Bureau of Engraving and Printing	7.1	4.9	4.2	6.2	6.0	5.3	5.3	3.0	1.2	5.5	3.8
Internal Revenue Service	55.5	54.4	57.3	57.8	55.4	54.8	59.6	64.9	66.3	70.5	70.5
Office of Thrift Supervision	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Customs Service	10.6	na	na								
U.S. Mint	0.3	0.7	1.0	2.4	3.7	3.5	0.6	0.8	1.1	1.9	1.6
U.S. Secret Service	0.8	na	na								
Department of Veterans Affairs	328.8	365.4	405.2	402.0	411.6	446.1	479.6	510.0	563.0	579.0	521.0
Other agencies											
Agency for International Development	269.8	286.0	264.8	257.5	255.0	234.5	123.8	160.1	84.3	80.1	76.1
Appalachian Regional Commission	0.7	0.7	0.6	0.8	1.0	0.8	0.8	1.0	0.6	0.7	0.7
Broadcasting Board of Governors	0.3	0.0	1.0	0.2	0.2	na	na	na	na	na	na
Environmental Protection Agency	415.2	567.1	661.9	641.4	621.5	576.0	532.0	552.8	572.3	577.0	578.9
Federal Communications Commission	4.4	4.5	8.5	8.8	7.6	8.5	6.7	7.0	3.7	3.7	3.9
Federal Trade Commission	1.8	2.3	1.6	1.2	1.6	1.5	2.6	2.4	3.0	1.9	2.0
Library of Congress	3.0	1.8	18.0	8.6	7.3	7.2	1.4	0.8	1.4	1.3	1.4
National Aeronautics and Space Administration	7,508.2	7,499.0	7,182.5	7,394.8	7,211.0	6,126.2	5,827.5	5,937.0	7,121.3	6,570.5	3,586.4
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	4.6	4.6	4.6	3.1	2.5
National Science Foundation	3,260.0	3,608.6	3,770.7	3,742.9	3,790.6	3,970.1	4,135.2	6,095.2	5,015.7	4,924.4	5,662.6

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Nuclear Regulatory Commission	74.3	64.0	72.1	70.1	71.4	76.5	61.0	61.2	85.4	83.8	78.1
Smithsonian Institution	106.0	104.0	108.0	109.0	119.0	145.0	142.0	152.0	167.0	169.0	170.0
Social Security Administration	22.8	36.8	30.4	35.1	67.8	68.2	54.1	67.9	63.0	72.1	94.8

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 From FY 2000 through FY 2007, Department of the Air Force (AF) did not report Budget Authority (BA) 6.7 Operational Systems Development data because agency misunderstood reporting requirements. During volume 57 (FYs 2007–09) data collection cycle, AF edited prior-year data from FY 2000 to FY 2007 to include BA 6.7 Operational Systems Development data.

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

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

NOTES: Because of rounding, detail may not add to total. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. In FY 2003, Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. Between FY 2006 and FY 2007, National Aeronautics and Space Administration's (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 decrease; and (2) there was overall decrease in obligations between FY 2006 and FY 2007, which accounts for remainder of decrease. In FY 2006 NASA reclassified as operational costs funding for Space Operations, Hubble Space Telescope, Stratospheric Observatory for Infrared Astronomy, and James Webb Space Telescope previously reported as R&D plant. In FY 2010 NASA resumed reporting International Space Station obligations as R&D plant. Transportation Security Laboratory (TSL) initially existed under Transportation Security Administration (TSA) of Department of Homeland Security (DHS). In 2005, DHS reorganized, and TSL was moved from TSA to Science and Technology Directorate. See appendix C for additional notes associated with agencies listed in this table.

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