

TABLE 98. Federal obligations for research and development, by agency: FY 2001–11

(Dollars in millions)

Agency	2001	2002	2003	2004	2005	2006	2007	2008	2009	Preliminary	
										2010	2011
All agencies <sup>a</sup>	84,492.5	93,708.6	103,527.3	112,074.5	118,847.9	121,729.9	127,262.9	127,105.7	133,349.0	136,426.0	127,786.6
Departments											
Department of Agriculture	1,959.1	1,971.8	2,039.6	2,102.2	2,184.3	2,213.7	2,248.4	2,202.1	2,269.7	2,627.9	2,579.9
Agricultural Marketing Service	4.8	5.2	4.8	9.0	7.9	6.3	6.4	5.0	4.3	4.4	5.3
Agricultural Research Service	994.4	1,059.8	1,062.0	1,098.1	1,107.7	1,134.9	1,142.0	1,122.6	1,141.2	1,179.7	1,199.7
Animal and Plant Health Inspection Service	25.4	23.7	28.0	24.4	24.4	25.5	26.0	28.4	28.9	30.1	29.4
Economic Research Service	65.6	67.0	68.4	70.8	74.0	75.0	92.0	77.8	81.3	86.4	103.6
Food Safety Inspection Service	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	1.4	1.4	1.6	1.6	1.5	0.9	0.6	0.4	0.4	0.4	0.4
Forest Service	237.0	253.0	292.0	296.0	300.7	308.1	320.3	295.0	344.1	367.0	356.0
Grain Inspection, Packers, and Stockyards Administration	6.1	6.0	5.3	6.7	6.7	7.1	6.7	6.6	6.5	6.5	6.5
National Agricultural Statistics Service	4.2	4.6	5.5	6.1	6.1	6.5	6.8	6.9	7.2	7.1	7.3
National Institute of Food and Agriculture <sup>b</sup>	615.1	546.7	568.1	585.7	651.6	645.1	626.6	655.1	651.5	942.2	867.6
Rural Business-Cooperative Service	2.4	4.2	3.8	3.8	3.6	4.1	21.0	4.2	4.1	4.2	4.2
Department of Commerce	997.9	1,151.4	1,208.0	1,058.9	1,033.4	941.7	1,027.7	1,044.7	1,146.9	1,395.6	1,419.5
Economic Development Administration	0.6	0.5	0.5	0.2	0.5	0.2	0.8	2.2	2.9	2.0	4.2
National Institute of Standards and Technology	422.0	451.4	476.0	444.2	418.7	385.7	456.5	430.0	500.5	729.5	585.3
National Oceanic and Atmospheric Administration	501.0	651.3	685.4	566.3	583.8	526.9	540.7	580.8	607.5	607.8	782.3
National Telecommunications and Information Administration	50.4	19.6	23.5	24.2	6.9	6.7	7.0	7.0	6.9	8.0	8.9
U.S. Census Bureau	24.0	28.7	22.5	24.2	23.5	22.1	22.6	24.7	29.0	48.3	38.9
Department of Defense <sup>a</sup>	39,981.9	45,412.7	51,897.1	57,792.9	63,387.7	65,870.7	72,211.2	71,833.3	68,113.0	69,196.1	65,530.5
Defense agencies and activities	9,376.1	12,075.6	12,502.9	13,067.5	15,324.5	14,303.7	15,903.7	15,905.6	16,240.9	15,291.4	15,137.5
Department of the Air Force <sup>a</sup>	14,552.0	14,740.0	18,259.0	20,319.0	19,971.0	21,687.9	25,264.0	25,232.3	20,206.8	21,738.3	22,460.4
Department of the Army	6,223.7	7,076.6	7,609.5	9,223.0	10,208.3	11,318.3	11,628.6	11,877.8	11,908.5	12,272.2	10,211.8
Department of the Navy	9,599.6	11,287.0	13,290.0	14,885.2	17,576.4	18,381.9	19,233.0	18,633.0	19,570.6	19,697.2	17,526.2
Operational Test and Evaluation, Director	205.3	233.5	235.7	298.2	307.5	178.9	181.9	184.7	186.2	197.0	194.4
Test and Evaluation, Deputy Under Secretary of Defense	25.3	na	na	na	na	na	na	na	na	na	na
Department of Education	277.6	285.6	302.9	311.4	316.0	337.0	333.1	328.1	322.4	362.2	402.3
Department of Energy	6,668.0	7,044.2	7,411.9	7,553.8	7,733.4	7,562.0	7,877.4	8,238.8	9,889.9	10,734.6	9,985.4
Bonneville Power Administration	NA	22.9	23.3	24.7	11.3	10.7	11.1	13.7	8.1	5.5	5.1
Civilian Radioactive Waste Management	NA	62.5	75.8	78.9	53.5	52.9	10.5	1.4	0.1	0.0	0.0
Electricity Delivery and Energy Reliability	NA	NA	NA	NA	80.3	133.5	92.5	82.7	87.2	114.9	144.3
Energy Efficiency and Renewable Energy	NA	739.8	682.3	583.9	557.3	430.6	661.6	729.1	1,583.7	1,895.2	1,070.9
Energy Transformation Acceleration Fund	na	na	na	na	na	na	na	na	0.0	387.4	0.0
Environmental Management	NA	160.3	69.4	42.8	49.8	34.0	18.7	19.4	30.2	70.0	120.0
Fossil Energy	NA	363.3	639.3	526.1	566.4	435.7	418.6	403.9	485.8	443.0	374.4

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National Nuclear Security Administration	NA	3,302.4	3,475.4	3,600.2	3,618.8	3,557.3	3,590.9	3,718.2	3,547.7	3,592.5	3,798.9
Defense Programs	NA	2,372.7	2,576.7	2,727.4	2,732.9	2,593.6	2,655.9	2,707.4	2,476.2	2,462.1	2,628.1
Fissile Materials Disposition	NA	27.4	25.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Naval Reactors	NA	637.0	650.0	708.6	740.5	720.4	730.3	711.8	756.4	843.7	955.1
Nonproliferation and Verification	NA	265.4	223.5	163.3	145.5	243.3	204.8	299.0	315.1	286.7	215.6
Nuclear Energy	NA	42.5	47.1	74.3	84.5	89.0	80.9	133.1	116.0	357.6	495.3
Office of Intelligence	NA	5.3	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Science	NA	2,345.1	2,395.3	2,623.1	2,711.5	2,818.3	2,992.5	3,137.3	4,031.2	3,868.5	3,976.6
Department of Health and Human Services	21,341.9	24,011.6	26,399.1	28,133.2	28,745.5	28,765.6	29,301.5	29,553.3	35,584.0	37,246.5	32,627.2
Administration for Children and Families	28.4	23.3	20.9	20.1	38.6	14.4	11.8	19.4	14.0	14.2	14.5
Administration on Aging	3.7	3.7	0.0	3.0	2.9	2.9	0.0	0.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	269.7	298.7	308.7	303.7	318.7	318.7	318.9	334.4	378.1	1,090.6	610.9
Agency for Toxic Substances and Disease Registry	13.1	12.4	14.3	10.7	9.5	9.0	4.2	4.3	4.5	3.6	4.3
Ctrs. for Disease Control and Prevention	544.0	521.0	564.0	539.8	510.8	544.6	544.3	538.2	420.3	410.8	396.5
Ctrs. for Medicare and Medicaid Services	138.0	117.0	73.6	77.6	77.3	62.4	57.3	31.1	30.1	81.7	47.2
Food and Drug Administration	151.6	136.3	138.3	132.3	142.1	143.3	129.3	137.9	166.4	210.6	231.7
Health Resources and Services Administration	51.0	54.1	43.2	47.4	52.9	23.6	23.2	62.1	56.3	63.7	39.5
National Institutes of Health	19,480.7	22,110.1	25,156.4	26,890.4	27,500.3	27,565.6	28,146.3	28,404.4	34,494.3	35,316.7	31,260.7
Office of the Secretary	27.4	17.4	22.5	21.1	24.8	26.8	24.5	21.5	20.0	54.5	21.9
Office of Public Health and Science	2.5	2.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of the Assistant Secretary, Planning and Evaluation	24.9	14.9	19.9	21.1	24.8	26.8	24.5	21.5	20.0	54.5	21.9
Substance Abuse and Mental Health Services Administration	634.3	717.6	57.2	87.2	67.6	54.3	41.8	0.0	0.0	0.0	0.0
Department of Homeland Security	na	na	NA	946.0	1,362.2	1,725.4	862.9	837.2	672.5	816.9	711.1
Science and Technology Directorate	na	na	NA	792.2	1,167.3	1,691.6	841.0	816.9	652.4	791.4	690.4
Transportation Security Administration	na	na	NA	137.9	180.5	11.7	3.8	0.0	0.0	0.0	0.0
U.S. Coast Guard	na	na	NA	15.0	13.4	21.2	17.2	19.6	20.1	25.5	20.8
U.S. Secret Service	na	na	NA	1.0	1.0	1.0	0.8	0.7	0.0	0.0	0.0
Department of Housing and Urban Development	52.9	45.3	39.0	46.6	43.5	33.5	40.4	29.6	33.2	61.7	146.1
Department of the Interior	619.7	632.8	596.7	604.6	589.5	603.0	615.1	636.2	732.4	715.8	728.4
Bureau of Reclamation	9.7	10.4	9.5	10.9	12.7	8.8	8.5	8.9	8.5	9.2	9.2
Minerals Management Service	24.5	31.2	26.7	27.2	27.1	28.9	25.0	32.4	35.7	46.0	40.0
National Park Service	12.9	26.2	10.3	14.3	3.5	3.8	7.7	8.5	14.1	0.0	0.0
U.S. Geological Survey	572.6	565.0	550.2	552.2	546.2	561.5	573.8	586.4	674.1	660.6	679.2
Department of Justice	103.4	99.2	148.2	105.3	127.5	127.9	176.2	113.4	103.4	61.4	59.9
Bureau of Prisons	14.1	8.7	9.7	10.8	12.7	12.2	12.7	10.6	10.5	11.2	10.9
Federal Bureau of Investigation	19.0	33.6	42.8	34.0	33.5	34.3	70.8	26.1	14.5	30.0	30.0
Immigration and Naturalization Service	0.9	0.0	na	na							
Office of Justice Programs	69.3	56.9	95.7	60.5	81.3	81.5	92.7	76.8	78.4	20.3	19.0

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Department of Labor	97.4	166.4	189.1	199.4	164.4	95.3	49.6	42.5	31.4	69.2	26.4
Bureau of Labor Statistics	21.5	20.7	20.6	22.4	22.5	22.8	23.7	24.2	0.0	0.0	0.0
Employee Benefits Security Administration	3.3	2.7	2.7	2.5	2.7	2.6	1.8	2.2	2.2	5.7	3.0
Employment and Training Administration	60.9	137.1	160.0	170.0	133.7	64.1	18.8	10.7	22.4	55.2	16.1
Occupational Safety and Health Administration	5.7	3.8	3.1	3.4	3.4	3.5	3.4	3.6	4.5	5.8	5.9
Office of the Secretary	5.3	1.2	1.8	0.2	0.5	0.3	0.3	0.0	0.0	0.0	0.0
Pension Benefit Guaranty Corp.	0.7	0.7	0.9	0.9	1.6	1.9	1.8	1.8	2.4	2.6	1.4
Department of State	2.2	2.3	2.3	3.0	3.3	4.2	3.8	3.7	3.7	2.9	2.9
Department of Transportation	674.4	815.5	693.3	629.3	418.4	819.2	791.2	806.1	826.0	947.8	936.4
Federal Aviation Administration	286.9	345.1	245.0	217.8	226.6	260.0	241.9	257.1	297.7	355.4	332.7
Federal Highway Administration	240.8	258.3	305.2	323.4	73.9	400.1	404.7	377.3	347.8	399.9	399.9
Federal Motor Carrier Safety Administration	11.4	3.7	6.8	6.4	6.6	5.3	9.4	8.4	6.9	6.7	6.1
Federal Railroad Administration	24.1	33.2	32.2	28.6	30.7	47.2	37.7	37.5	39.8	49.6	71.9
Federal Transit Administration	8.0	5.8	7.1	4.6	4.2	16.6	6.0	9.5	10.4	25.1	33.2
National Highway Traffic Safety Administration	58.3	59.6	65.4	6.7	40.1	57.5	64.1	83.3	82.0	61.0	66.0
Office of the Secretary	13.0	18.4	21.0	31.8	21.0	14.8	6.5	13.5	20.5	28.6	9.8
Pipeline and Hazardous Materials Safety Administration	0.0	0.0	0.0	10.0	13.9	15.2	18.2	8.9	9.8	10.1	9.7
Research and Special Programs Administration	8.4	10.2	10.6	na	na						
Research and Innovative Technology Administration	na	na	na	0.0	1.5	2.5	2.7	10.7	11.1	11.4	7.0
Transportation Security Administration	na	59.0	na	na							
U.S. Coast Guard	23.5	22.0	na	na							
Department of the Treasury	67.7	74.4	60.0	62.4	66.4	65.1	63.6	65.5	68.6	72.7	75.7
Bureau of Engraving and Printing	4.7	7.1	4.9	4.2	6.2	6.0	5.3	5.3	3.0	1.1	3.9
Internal Revenue Service	57.3	55.5	54.4	57.3	57.8	55.4	54.8	59.6	64.9	70.5	70.6
Office of Thrift Supervision	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Customs Service	4.0	10.6	na	na							
U.S. Mint	0.8	0.3	0.7	1.0	2.4	3.7	3.5	0.6	0.8	1.0	1.2
U.S. Secret Service	0.7	0.8	na	na							
Department of Veterans Affairs	345.0	328.8	365.4	405.2	402.0	411.6	446.1	479.6	510.0	581.4	590.0
Other agencies											
Agency for International Development	267.0	269.8	286.0	264.8	257.5	255.0	234.5	123.8	160.1	110.3	112.5
Appalachian Regional Commission	0.7	0.7	0.7	0.6	0.8	1.0	0.8	0.8	1.0	0.6	0.7
Broadcasting Board of Governors	*	0.3	0.0	1.0	0.2	0.2	na	na	na	na	na
Consumer Product Safety Commission	0.1	0.0	0.0	na	na						
Environmental Protection Agency	450.5	415.2	567.1	661.9	641.4	621.5	576.0	532.0	552.8	519.2	526.9
Federal Communications Commission	2.7	4.4	4.5	8.5	8.8	7.6	8.5	6.7	7.0	5.4	4.7
Federal Trade Commission	0.7	1.8	2.3	1.6	1.2	1.6	1.5	2.6	2.4	1.9	2.4
Library of Congress	3.1	3.0	1.8	18.0	8.6	7.3	7.2	1.4	0.8	1.1	1.3

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National Aeronautics and Space Administration	7,355.0	7,508.2	7,499.0	7,182.5	7,394.8	7,211.0	6,126.2	5,827.5	5,937.0	5,874.3	5,886.2
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	4.6	4.6	4.5
National Science Foundation	3,043.5	3,260.0	3,608.6	3,770.7	3,742.9	3,790.6	3,970.1	4,135.2	6,095.2	4,711.6	5,103.5
Nuclear Regulatory Commission	53.0	74.3	64.0	72.1	70.1	71.4	76.5	61.0	61.2	60.6	54.5
Smithsonian Institution	98.0	106.0	104.0	108.0	109.0	119.0	145.0	142.0	152.0	164.0	178.0
Social Security Administration	28.9	22.8	36.8	30.4	35.1	67.8	68.2	54.1	67.9	79.6	89.6

\* = amount greater than \$0 but less than \$50,000. 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.

<sup>a</sup> From FY 2000 through FY 2007, Department of the Air Force (AF) did not report BA 6.7 Operational Systems Development data because the agency misunderstood reporting requirements. During volume 57 (FY 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.

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

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. In FY 2006, National Aeronautics and Space Administration (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. 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. Transportation Security Laboratory (TSL) initially existed under Transportation Security Administration (TSA) of Department of Homeland Security (DHS) but in the 2005 DHS reorganization, 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.