

TABLE 106. Federal obligations for applied research, by agency: FYs 2002–12  
(Dollars in millions)

Agency	2002	2003	2004	2005	2006	2007	2008	2009	2010	Preliminary	
										2011	2012
All agencies	24,338.4	26,320.4	27,237.1	26,597.9	26,951.1	27,227.8	26,739.7	30,821.2	31,932.6	29,105.9	30,047.5
Departments											
Department of Agriculture	880.3	907.6	998.9	1,049.2	1,084.7	1,130.2	1,136.1	1,154.0	1,158.8	1,293.4	1,166.2
Agricultural Marketing Service	4.4	4.1	7.9	7.7	6.3	6.4	2.5	2.1	2.2	2.1	2.1
Agricultural Research Service	381.5	382.3	450.2	454.2	465.3	468.2	460.3	456.5	471.3	474.0	480.0
Economic Research Service	60.3	61.6	63.7	66.6	67.5	83.4	73.4	79.6	84.5	86.2	75.9
Foreign Agricultural Service	0.6	0.7	1.2	1.1	0.6	0.4	0.3	0.3	0.3	0.3	0.3
Forest Service	113.9	131.4	133.2	133.2	138.2	191.9	173.0	192.2	184.3	204.5	173.1
Grain Inspection, Packers, and Stockyards Administration	0.0	0.0	0.0	6.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	3.1	3.7	4.3	4.3	4.6	4.8	4.3	4.2	4.2	4.1	4.1
National Institute of Food and Agriculture <sup>a</sup>	312.3	319.9	334.5	371.7	390.9	354.1	418.1	414.9	407.2	517.9	426.5
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	921.9	988.3	840.0	830.5	767.3	825.7	853.1	820.8	932.8	839.3	1,064.9
Economic Development Administration	0.4	0.5	0.2	0.5	0.2	0.8	1.3	1.3	1.3	0.2	3.7
National Institute of Standards and Technology	298.6	315.5	312.6	298.6	282.6	312.4	296.8	342.6	456.5	368.6	497.1
National Oceanic and Atmospheric Administration	615.7	665.6	519.9	520.3	471.8	500.1	542.7	463.8	458.0	456.7	489.6
National Telecommunications and Information Administration	4.1	6.4	6.3	6.9	6.7	7.0	7.0	6.9	7.6	8.1	8.8
U.S. Census Bureau	3.2	0.3	0.9	4.2	6.0	5.3	5.3	6.2	9.4	5.6	65.7
Department of Defense	4,452.8	4,419.5	4,281.7	4,532.0	4,447.7	4,866.8	4,964.4	5,061.7	5,212.0	4,674.3	4,696.4
Defense agencies and activities	1,754.2	1,699.2	1,685.5	1,594.6	1,580.2	1,630.8	1,719.5	1,863.9	2,028.8	1,718.8	1,723.5
Department of the Air Force	1,058.4	1,091.1	891.3	876.8	1,000.5	1,117.9	1,191.9	1,172.0	1,202.6	1,293.7	1,336.1
Department of the Army	886.9	877.0	1,028.8	1,303.4	1,103.8	1,336.7	1,239.0	1,235.8	1,260.8	926.8	860.4
Department of the Navy	753.3	752.2	676.1	757.3	763.3	781.4	814.0	789.9	719.7	734.9	776.4
Department of Education	178.3	196.1	201.9	204.4	213.0	207.4	199.5	198.4	218.0	205.6	235.4
Department of Energy	2,584.6	2,813.7	2,835.4	2,957.3	2,885.7	2,848.9	2,919.3	3,127.2	3,628.8	3,054.2	3,646.9
Advanced Research Projects Agency-Energy	na	205.1	14.3	142.5							
Bonneville Power Administration	11.1	11.4	12.0	8.9	9.8	8.6	11.1	6.4	3.9	4.0	4.6
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	66.5	93.4	57.3	27.3	61.7	66.1	59.6	103.3
Energy Efficiency and Renewable Energy	233.6	279.9	244.3	249.1	210.2	342.3	416.8	651.1	891.0	510.1	575.8
Environmental Management	49.0	20.8	12.8	14.9	10.2	2.4	2.3	10.9	30.8	23.1	44.4
Fossil Energy	136.9	245.9	221.6	206.7	210.8	211.0	179.0	241.8	213.3	180.7	130.5
National Nuclear Security Administration	2,046.1	2,147.7	2,193.6	2,274.5	2,210.9	2,145.8	2,151.3	2,039.3	1,917.7	2,104.6	2,294.3
Defense Programs	1,893.9	2,009.9	2,105.8	2,193.4	2,076.2	2,028.4	1,967.1	1,795.8	1,710.3	1,874.7	2,064.4
Nonproliferation and Verification	152.1	137.8	87.8	81.0	134.7	117.4	184.2	243.5	207.4	229.9	229.9
Nuclear Energy	42.5	29.4	69.4	83.2	87.5	71.0	130.1	116.0	300.9	157.7	351.6
Office of Science	3.0	2.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	10,370.1	12,185.3	13,224.7	12,831.0	13,140.0	13,438.5	13,428.5	16,717.7	17,147.7	15,316.8	15,394.3
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

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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	274.8	284.0	279.4	293.2	293.2	293.4	307.6	347.8	789.3	1,003.3	562.0
Agency for Toxic Substances and Disease Registry	12.4	14.3	10.7	9.4	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	388.6	389.0	280.7	324.3	306.4	295.2
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	15.2	14.0	14.9	15.1	14.8	14.4	19.2	21.0	27.2	23.7	23.8
National Institutes of Health	9,266.3	11,056.4	12,125.9	11,716.7	12,028.6	12,515.1	12,498.4	15,833.3	15,650.7	13,684.7	14,218.9
Office of the Secretary	0.0	19.9	21.1	24.8	26.8	24.5	21.5	20.0	54.4	20.6	19.6
Office of the Assistant Secretary, Planning and Evaluation	0.0	19.9	21.1	24.8	26.8	24.5	21.5	20.0	54.4	20.6	19.6
Department of Homeland Security	na	NA	246.9	542.1	526.3	485.2	79.7	245.9	221.2	208.2	233.9
Science and Technology Directorate	na	NA	199.4	356.0	515.7	479.2	72.5	239.1	213.6	194.3	227.0
Transportation Security Administration	na	NA	41.5	180.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Coast Guard	na	NA	5.1	4.6	7.1	5.2	6.6	6.7	7.6	13.9	6.9
U.S. Secret Service	na	NA	1.0	1.0	1.0	0.8	0.6	0.0	0.0	0.0	0.0
Department of Housing and Urban Development	16.2	14.0	17.5	16.5	11.5	14.0	10.4	11.7	38.8	64.4	72.4
Department of the Interior	511.6	492.7	509.9	495.6	509.0	511.8	522.9	610.5	594.1	564.6	552.6
Bureau of Ocean Energy Management, Regulation and Enforcement <sup>b</sup>	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	3.6	3.3	3.8	4.4	3.1	3.0	3.1	3.0	7.3	6.9	6.9
National Park Service	12.6	6.5	11.5	3.2	3.7	7.0	6.6	11.3	6.4	0.0	0.0
U.S. Geological Survey	464.1	456.2	467.4	460.9	473.4	476.8	480.8	560.5	537.0	518.3	499.6
Department of Justice	23.8	25.4	32.6	40.2	34.9	38.5	77.5	71.5	74.4	65.8	14.9
Bureau of Prisons	3.6	4.8	5.0	4.4	2.7	4.2	3.0	2.8	2.8	2.9	2.8
Federal Bureau of Investigation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8.1	8.1
Office of Justice Programs	20.1	20.6	27.6	35.8	32.1	34.3	74.5	68.8	71.6	54.9	4.0
Department of Labor	15.3	23.2	23.8	22.2	16.5	33.8	26.6	29.2	11.9	11.3	8.8
Bureau of Labor Statistics	8.3	7.5	8.7	8.7	9.2	9.5	9.9	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	0.0	9.0	9.0	6.7	0.7	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	0.3	0.8	0.1	0.5	0.3	0.3	0.0	0.0	0.0	0.0	0.0
Pension Benefit Guaranty Corp.	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
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	494.6	408.4	340.3	254.6	533.6	587.0	634.1	586.7	641.2	704.6	672.3
Federal Aviation Administration	244.8	135.6	118.3	128.3	136.6	128.2	140.4	162.9	236.6	242.5	236.5
Federal Highway Administration	121.1	168.3	181.9	51.7	286.8	345.8	347.3	316.8	291.2	315.1	285.6
Federal Motor Carrier Safety Administration	0.2	6.8	6.4	6.6	5.3	9.4	8.4	6.9	6.6	5.5	6.6
Federal Railroad Administration	29.7	28.7	24.3	25.7	40.8	31.5	37.5	8.3	9.7	38.8	18.9

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Federal Transit Administration	0.6	0.0	*	0.3	3.6	2.8	3.6	4.2	20.0	26.7	28.6
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
Pipeline and Hazardous Materials Safety Administration	0.0	0.0	2.6	1.8	2.2	3.6	2.8	2.1	2.1	6.7	2.2
Research and Special Programs Administration	3.7	3.5	na	na	na	na	na	na	na	na	na
Research and Innovative Technology Administration	na	na	0.0	0.1	0.7	1.7	10.7	3.7	4.2	4.6	4.5
Transportation Security Administration	28.3	na	na	na	na	na	na	na	na	na	na
U.S. Coast Guard	6.4	na	na	na	na	na	na	na	na	na	na
Department of the Treasury	61.1	58.5	61.2	63.1	60.4	58.9	64.4	66.8	68.3	76.6	75.4
Bureau of Engraving and Printing	4.6	4.1	3.9	5.4	5.1	4.1	4.8	1.8	0.9	4.3	3.2
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	*	na	na	na	na	na	na	na	na	na	na
U.S. Mint	0.0	NA	NA	NA	NA	NA	NA	NA	1.1	1.9	1.6
U.S. Secret Service	0.8	na	na	na	na	na	na	na	na	na	na
Department of Veterans Affairs	172.6	185.6	209.2	205.8	210.8	228.4	245.6	274.0	297.0	314.0	285.0
Other agencies											
Agency for International Development	247.5	262.3	241.3	198.3	197.0	232.9	121.0	159.6	83.5	79.3	75.3
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	259.9	365.4	422.9	416.2	400.5	391.5	371.8	384.4	397.9	403.4	403.9
Federal Communications Commission	4.4	4.5	4.1	5.1	7.1	6.4	6.7	6.9	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	1.7	0.5	14.4	1.6	3.3	0.5	0.5	0.5	0.7	0.7	0.7
National Aeronautics and Space Administration	2,853.8	2,645.7	2,355.9	1,489.4	1,468.6	818.8	531.2	681.8	693.6	717.8	696.0
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	185.5	217.6	265.6	332.2	286.6	351.7	419.7	471.3	348.5	343.2	566.7
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
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

\* = 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> Cooperative State Research, Education, and Extension Service changed its name to National Institute of Food and Agriculture in FY 2008.

<sup>b</sup> 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.