

TABLE 110. Federal outlays for research and development, by agency: FYs 2004–14
(Dollars in millions)

Agency	2004	2005	2006	2007	2008	2009	2010	2011	2012	Preliminary	
										2013	2014
All agencies	105,174.9	117,398.5	116,867.6	121,875.1	123,059.1	126,854.2	131,387.6	131,443.0	128,520.3	130,379.1	127,295.0
Departments											
Department of Agriculture	2,048.2	2,132.1	2,185.0	2,217.6	2,254.1	2,229.4	2,308.9	2,300.5	2,291.8	2,503.7	2,641.2
Agricultural Marketing Service	8.4	9.4	6.3	6.4	3.8	4.3	4.4	4.3	4.3	5.0	8.6
Agricultural Research Service	1,098.7	1,117.3	1,134.7	1,102.8	1,148.6	1,133.7	1,199.9	1,161.5	1,095.0	1,163.0	1,150.0
Animal and Plant Health Inspection Service	24.4	24.4	25.5	26.0	28.4	24.6	25.6	24.6	31.8	32.2	33.3
Economic Research Service	65.7	74.6	72.8	90.6	77.8	79.7	86.4	87.9	80.2	75.0	86.0
Foreign Agricultural Service	1.6	1.5	0.9	0.6	0.4	0.4	0.4	0.6	0.7	0.7	0.7
Forest Service	326.0	325.0	341.0	335.0	338.0	336.0	363.0	353.0	355.0	389.0	379.0
Grain Inspection, Packers, and Stockyards Administration	6.7	6.7	7.1	6.7	6.6	6.5	6.3	6.7	6.7	6.2	5.8
National Agricultural Statistics Service	6.1	6.1	6.5	6.8	6.9	7.2	7.5	7.4	7.4	7.4	7.4
National Institute of Food and Agriculture ^a	506.8	563.5	586.0	621.8	639.3	634.0	611.7	653.8	706.8	822.2	967.4
Rural Business-Cooperative Service	3.8	3.6	4.1	21.0	4.2	3.0	3.7	0.7	3.9	3.0	3.0
Department of Commerce	1,076.4	707.7	664.2	991.1	1,052.1	1,004.4	1,121.6	1,267.0	1,112.1	1,191.2	1,463.9
Economic Development Administration	0.2	0.5	0.2	0.8	2.2	2.9	7.3	0.6	NA	NA	NA
National Institute of Standards and Technology	508.8	440.6	421.1	422.2	444.1	454.5	534.6	570.6	570.2	593.5	625.7
National Oceanic and Atmospheric Administration	519.0	240.2	215.5	540.7	580.8	510.9	525.4	629.0	432.8	472.0	569.6
National Telecommunications and Information Administration	24.2	3.5	5.3	5.3	0.3	6.9	7.0	7.2	7.4	4.2	5.1
U.S. Census Bureau	24.2	23.0	22.0	22.0	24.7	29.0	47.2	59.5	101.7	121.6	263.4
Department of Defense	52,977.5	64,311.4	63,724.3	68,557.0	68,731.4	66,775.3	67,614.8	72,527.4	65,252.9	66,558.6	63,108.6
Defense Advanced Research Projects Agency ^b	NA	2,889.3	2,833.3	2,822.2	2,845.5						
Defense agencies and activities ^b	11,074.2	17,056.7	13,970.6	14,686.5	15,521.3	15,598.7	15,209.7	na	na	na	na
Department of the Air Force	19,711.8	20,915.1	21,407.2	24,483.0	24,121.7	23,458.2	26,106.2	25,854.5	25,042.8	24,789.7	24,916.3
Department of the Army	6,954.2	9,847.2	10,662.1	10,360.0	11,057.1	10,048.3	9,209.6	8,125.0	6,688.5	8,987.7	8,433.8
Department of the Navy	14,932.4	16,172.3	17,422.9	18,834.4	17,851.0	17,491.6	16,905.1	15,345.4	14,363.0	14,421.5	12,873.9
Operational Test and Evaluation, Director ^b	305.0	320.1	261.6	193.1	180.3	178.5	184.2	na	na	na	na
Other defense agencies ^{b, c}	NA	20,313.3	16,325.4	15,537.4	14,039.1						
Department of Education	226.9	264.3	254.5	271.2	286.8	312.0	321.7	105.7	101.6	93.4	98.9
Department of Energy	7,475.8	7,760.2	7,432.9	7,792.8	8,108.3	8,546.3	8,986.2	9,685.0	9,599.3	9,265.8	9,536.2
Advanced Research Projects Agency—Energy	na	na	na	na	0.0	0.0	63.8	118.4	142.4	61.7	0.0
Bonneville Power Administration	24.0	11.3	10.7	11.1	13.7	8.1	13.1	13.2	14.5	16.2	15.9
Civilian Radioactive Waste Management	74.1	74.1	52.9	10.5	8.4	1.7	0.0	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	NA	71.8	108.3	54.4	89.4	87.1	83.0	89.5	101.1	97.8	83.0
Energy Efficiency and Renewable Energy	583.9	569.1	430.6	646.4	729.1	712.3	915.1	852.6	909.8	850.1	850.0
Environmental Management	42.8	49.8	34.0	32.0	35.8	13.1	69.9	67.5	45.8	15.4	24.1
Fossil Energy	499.5	532.7	365.6	418.6	306.3	343.8	349.7	288.4	285.7	287.5	215.6
National Nuclear Security Administration	3,579.4	3,624.9	3,547.6	3,589.5	3,730.5	3,488.9	3,488.8	4,033.9	3,919.8	4,094.3	4,017.1
Defense Programs	2,727.4	2,732.9	2,593.6	2,656.9	2,707.4	2,443.7	2,285.1	2,768.7	2,648.2	2,801.3	2,541.9

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Agency	2004	2005	2006	2007	2008	2009	2010	2011	2012	Preliminary	
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Fissile Materials Disposition	1.0	0.0	0.0	0.0	NA	NA	NA	NA	NA	NA	NA
Naval Reactors	687.8	746.6	710.7	727.8	724.1	730.1	866.1	941.7	1,040.1	994.0	1,176.4
Nonproliferation and Verification	163.3	145.5	243.3	204.8	299.0	315.1	337.6	323.5	231.5	298.9	298.9
Nuclear Energy	79.3	82.8	89.0	80.9	133.1	116.0	368.1	387.8	361.2	111.8	269.9
Office of Science	2,592.8	2,743.7	2,794.1	2,949.4	3,062.0	3,775.3	3,634.7	3,833.6	3,819.1	3,731.1	4,060.6
Department of Health and Human Services	27,834.6	28,432.3	28,440.6	29,009.6	29,121.0	35,144.2	34,927.8	30,379.4	30,721.0	30,842.5	31,130.4
Administration for Children and Families	18.7	38.6	13.4	11.8	19.2	13.7	6.5	9.3	8.1	8.3	8.5
Administration on Aging	3.0	2.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agency for Toxic Substances and Disease Registry	10.7	9.5	9.0	4.2	4.3	4.5	2.8	5.1	1.4	1.8	1.8
Ctrs. for Disease Control and Prevention	539.8	510.8	544.6	544.3	407.2	338.9	343.0	296.5	445.3	340.8	349.6
Ctrs. for Medicare and Medicaid Services	89.0	89.0	62.4	86.0	69.8	57.4	53.9	45.2	33.8	20.1	23.2
Food and Drug Administration	127.5	136.9	138.0	124.6	132.9	159.1	188.4	206.4	315.7	320.0	335.5
Health Resources and Services Administration	47.4	52.9	23.6	23.2	61.6	56.3	66.3	36.8	20.3	35.9	36.9
National Institutes of Health	26,890.4	27,500.3	27,565.6	28,146.3	28,404.4	34,494.3	34,212.6	29,760.2	29,876.8	30,097.1	30,356.3
Office of the Secretary	21.1	24.8	26.8	24.5	21.5	20.0	54.4	19.9	19.5	18.6	18.6
Office of the Assistant Secretary, Planning and Evaluation	21.1	24.8	26.8	24.5	21.5	20.0	54.4	19.9	19.5	18.6	18.6
Substance Abuse and Mental Health Services Administration	87.2	67.6	54.3	41.8	0.0	0.0	NA	NA	NA	NA	NA
Department of Homeland Security	535.9	966.4	1,592.7	922.3	798.8	92.2	583.1	471.4	593.4	555.2	450.6
Science and Technology Directorate	377.0	774.5	1,556.1	894.5	783.0	72.6	557.2	450.9	572.7	522.2	429.7
Transportation Security Administration	137.9	180.5	12.2	3.8	0.0	0.0	NA	NA	NA	NA	NA
U.S. Coast Guard	20.1	10.4	23.4	23.1	15.1	19.5	25.9	20.5	20.7	32.9	20.9
U.S. Secret Service	1.0	1.0	1.0	0.8	0.7	NA	NA	NA	NA	NA	NA
Department of Housing and Urban Development	43.2	47.9	42.0	32.5	32.5	36.4	50.5	50.1	53.5	65.6	65.8
Department of the Interior	604.6	589.7	602.3	615.9	635.3	738.0	720.0	705.4	738.7	744.9	834.2
Bureau of Ocean Energy Management ^d	na	39.0	34.3	39.7							
Bureau of Ocean Energy Management, Regulation and Enforcement ^{d, e}	27.2	27.2	28.1	25.8	31.6	37.1	41.7	44.8	na	na	na
Bureau of Reclamation	10.9	12.7	8.8	8.5	8.9	12.7	9.7	11.5	10.0	10.1	10.1
Bureau of Safety and Environmental Enforcement ^d	na	11.6	17.9	23.9							
National Park Service	14.3	3.5	3.8	7.7	8.5	14.1	7.6	9.2	5.3	0.0	0.0
U.S. Geological Survey	552.2	546.2	561.5	573.8	586.4	674.1	661.1	640.0	672.8	682.6	760.5
Department of Justice	68.7	66.1	71.4	123.9	111.9	103.4	118.6	102.3	67.0	65.4	63.2
Bureau of Prisons	9.4	12.5	12.1	12.7	10.6	10.5	10.8	11.6	10.5	8.0	9.2
Federal Bureau of Investigation	34.0	33.5	34.3	70.8	26.1	14.5	30.0	17.7	7.7	13.2	9.9
Office of Justice Programs	25.3	20.1	25.0	40.4	75.2	78.4	77.8	72.9	48.8	44.2	44.2
Department of Labor	198.2	162.9	94.3	58.8	83.8	71.0	11.9	10.5	18.8	12.3	12.2
Bureau of Labor Statistics	22.4	22.5	22.8	23.7	24.2	0.0	NA	NA	NA	NA	NA
Employee Benefits Security Administration	1.3	1.3	1.6	0.8	1.1	1.1	4.5	4.7	11.5	5.0	4.7

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Employment and Training Administration	170.1	133.7	64.1	29.4	53.7	64.2	NA	NA	NA	NA	NA
Occupational Safety and Health Administration	3.3	3.4	3.5	2.9	3.0	3.8	4.8	3.0	4.6	4.7	4.7
Office of the Secretary	0.2	0.4	0.3	0.3	0.0	0.0	0.0	0.0	NA	NA	NA
Pension Benefit Guaranty Corp.	0.9	1.6	1.9	1.8	1.8	1.9	2.6	2.8	2.7	2.6	2.9
Department of State	2.3	2.6	3.4	3.0	3.0	3.7	2.9	3.3	2.2	1.5	1.5
Department of Transportation	554.6	396.3	866.2	755.5	606.9	525.6	760.5	768.5	719.2	786.7	858.9
Federal Aviation Administration	248.0	226.0	290.0	264.0	201.0	180.0	239.0	211.0	224.0	223.0	232.0
Federal Highway Administration	238.1	73.9	400.1	339.9	259.7	214.9	352.4	320.1	311.3	347.4	429.0
Federal Motor Carrier Safety Administration	4.3	6.6	4.2	12.7	6.6	6.9	6.9	6.9	6.7	6.9	7.9
Federal Railroad Administration	31.8	22.0	57.6	34.7	37.8	39.7	44.0	40.9	43.9	42.5	44.7
Federal Transit Administration	4.4	4.2	6.5	4.0	7.0	6.9	21.7	42.0	25.9	26.1	17.7
National Highway Traffic Safety Administration	7.0	31.7	75.0	66.0	58.7	44.3	64.6	116.0	82.6	94.9	98.4
Office of the Secretary	11.0	28.8	15.6	16.2	15.9	19.5	20.3	17.9	13.9	27.2	9.3
Pipeline and Hazardous Materials Safety Administration	10.0	2.2	15.2	15.9	13.3	4.5	7.6	9.7	8.0	15.7	16.9
Research and Innovative Technology Administration	0.0	1.0	2.0	2.0	7.0	9.0	4.0	4.0	3.0	3.0	3.0
Department of the Treasury	62.4	66.4	65.1	63.6	65.5	68.5	68.5	77.6	75.6	75.5	78.1
Bureau of Engraving and Printing	4.2	6.2	6.0	5.3	5.3	3.0	1.2	5.8	5.0	9.4	9.4
Internal Revenue Service	57.3	57.8	55.4	54.8	59.6	64.9	66.3	70.8	69.0	64.8	64.8
U.S. Mint	1.0	2.4	3.7	3.5	0.6	0.7	1.1	1.0	1.6	1.3	3.8
Department of Veterans Affairs	405.2	402.0	411.6	446.1	479.6	510.0	581.0	558.9	614.8	573.2	572.5
Other agencies											
Agency for International Development	254.0	260.4	255.0	234.5	123.8	156.2	168.7	119.2	77.4	79.0	80.6
Appalachian Regional Commission	0.6	0.7	0.7	0.6	0.6	1.0	0.6	0.4	0.6	0.8	0.8
Broadcasting Board of Governors	1.2	*	0.2	NA	NA	NA	NA	NA	NA	NA	NA
Consumer Product Safety Commission	NA	2.0	1.1	2.0							
Environmental Protection Agency	0.2	0.5	0.2	0.5	532.0	552.8	594.7	577.0	576.3	525.3	549.5
Federal Communications Commission	8.5	8.8	7.6	8.5	6.7	7.0	3.7	3.7	4.0	4.8	5.9
Federal Trade Commission	1.6	1.2	1.6	1.5	2.6	2.4	3.0	2.7	2.9	2.1	2.1
Library of Congress	1.2	6.3	7.4	12.0	1.4	0.8	1.2	1.3	1.0	1.0	1.0
National Aeronautics and Space Administration	7,165.5	6,959.4	6,197.4	5,918.6	5,999.6	5,739.1	7,316.0	6,145.5	10,427.0	10,115.8	10,079.1
National Archives and Records Administration	0.1	0.1	0.1	0.1	4.6	4.6	4.6	3.1	2.0	1.1	1.1
National Science Foundation	3,439.0	3,657.0	3,707.0	3,569.0	3,781.0	3,937.0	4,809.0	5,233.0	5,124.0	5,969.0	5,293.0

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Nuclear Regulatory Commission	55.0	57.0	59.0	58.8	41.7	74.0	81.0	99.0	81.0	85.0	84.0
Smithsonian Institution	103.0	104.0	113.0	142.0	140.0	151.0	164.0	192.2	195.3	200.9	209.8
Social Security Administration	30.4	35.1	67.8	68.2	54.1	67.9	63.0	53.0	64.9	57.9	70.1

* = 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.

^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 obligations as R&D plant. In FY 2012, NASA began reporting International Space Station obligations as research rather than R&D plant. Beginning in FY 2011, DOD totals include additional classified R&D projects not previously reported by its subagencies. See appendix C for additional notes associated with the agencies listed in this table. FYs 2009 and 2010 outlays 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.