

TABLE 124. Federal obligations for applied research, by agency: FYs 2003–13

(Dollars in millions)

Agency	2003	2004	2005	2006	2007	2008	2009	2010	2011	Preliminary	
										2012	2013
All agencies	26,320.4	27,237.1	26,597.9	26,951.1	27,227.8	26,739.7	30,812.5	31,932.6	28,710.1	28,623.6	29,903.5
Departments											
Department of Agriculture	907.6	998.9	1,049.2	1,084.7	1,130.2	1,136.1	1,145.3	1,158.8	1,162.0	1,239.8	1,128.9
Agricultural Marketing Service	4.1	7.9	7.7	6.3	6.4	2.5	2.1	2.2	2.1	2.1	2.6
Agricultural Research Service	382.3	450.2	454.2	465.3	468.2	460.3	456.5	471.3	453.2	440.6	441.0
Economic Research Service	61.6	63.7	66.6	67.5	83.4	73.4	70.9	84.5	73.5	70.7	70.4
Foreign Agricultural Service	0.7	1.2	1.1	0.6	0.4	0.3	0.3	0.3	0.4	0.4	0.4
Forest Service	131.4	133.2	133.2	138.2	191.9	173.0	192.2	184.3	192.0	206.6	181.2
Grain Inspection, Packers, and Stockyards Administration	0.0	0.0	6.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	3.7	4.3	4.3	4.6	4.8	4.3	4.2	4.2	4.1	4.1	4.1
National Institute of Food and Agriculture ^a	319.9	334.5	371.7	390.9	354.1	418.1	414.9	407.2	435.0	511.9	425.8
Rural Business-Cooperative Service	3.8	3.8	3.6	4.1	21.0	4.2	4.1	4.8	1.7	3.3	3.3
Department of Commerce	988.3	840.0	830.5	767.3	825.7	853.1	820.8	932.8	775.4	804.9	1,238.5
Economic Development Administration	0.5	0.2	0.5	0.2	0.8	1.3	1.3	1.3	0.2	3.7	0.0
National Institute of Standards and Technology	315.5	312.6	298.6	282.6	312.4	296.8	342.6	456.5	307.9	321.1	650.9
National Oceanic and Atmospheric Administration	665.6	519.9	520.3	471.8	500.1	542.7	463.8	458.0	448.8	406.3	451.5
National Telecommunications and Information Administration	6.4	6.3	6.9	6.7	7.0	7.0	6.9	7.6	7.8	7.5	6.7
U.S. Census Bureau	0.3	0.9	4.2	6.0	5.3	5.3	6.2	9.4	10.8	66.3	129.4
Department of Defense	4,419.5	4,281.7	4,532.0	4,447.7	4,866.8	4,964.4	5,061.7	5,212.0	4,710.3	4,648.1	4,677.0
Defense Advanced Research Projects Agency ^b	NA	1,129.8	1,239.1	1,179.1							
Defense agencies and activities ^b	1,699.2	1,685.5	1,594.6	1,580.2	1,630.8	1,719.5	1,863.9	2,028.8	na	na	na
Department of the Air Force	1,091.1	891.3	876.8	1,000.5	1,117.9	1,191.9	1,172.0	1,202.6	1,203.2	1,294.4	1,334.3
Department of the Army	877.0	1,028.8	1,303.4	1,103.8	1,336.7	1,239.0	1,235.8	1,260.8	1,063.4	917.3	867.6
Department of the Navy	752.2	676.1	757.3	763.3	781.4	814.0	789.9	719.7	748.4	806.5	791.0
Other defense agencies ^{b, c}	NA	565.5	390.8	505.0							
Department of Education	196.1	201.9	204.4	213.0	207.4	199.5	198.4	218.0	205.5	203.6	223.4
Department of Energy	2,813.7	2,835.4	2,957.3	2,885.7	2,848.9	2,919.3	3,127.2	3,628.8	3,388.4	3,275.6	3,914.8
Advanced Research Projects Agency—Energy	na	na	na	na	na	0.0	0.0	205.1	127.8	61.0	141.6
Bonneville Power Administration	11.4	12.0	8.9	9.8	8.6	11.1	6.4	3.9	1.3	1.5	4.9
Civilian Radioactive Waste Management	75.8	78.9	53.5	52.9	10.5	1.4	0.1	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	NA	NA	66.5	93.4	57.3	27.3	61.7	66.1	55.3	27.6	49.6
Energy Efficiency and Renewable Energy	279.9	244.3	249.1	210.2	342.3	416.8	651.1	891.0	465.9	434.5	739.0
Environmental Management	20.8	12.8	14.9	10.2	2.4	2.3	10.9	30.8	22.3	6.8	6.6
Fossil Energy	245.9	221.6	206.7	210.8	211.0	179.0	241.8	213.3	180.7	130.5	121.5
National Nuclear Security Administration	2,147.7	2,193.6	2,274.5	2,210.9	2,145.8	2,151.3	2,039.3	1,917.7	2,208.3	2,371.6	2,545.7
Defense Programs	2,009.9	2,105.8	2,193.4	2,076.2	2,028.4	1,967.1	1,795.8	1,710.3	1,974.7	2,143.4	2,317.5
Nonproliferation and Verification	137.8	87.8	81.0	134.7	117.4	184.2	243.5	207.4	233.6	228.2	228.2

TABLE 124. Federal obligations for applied research, by agency: FYs 2003–13
(Dollars in millions)

Agency	2003	2004	2005	2006	2007	2008	2009	2010	2011	Preliminary	
										2012	2013
Department of State	2.3	3.0	3.3	4.2	3.8	3.7	3.7	2.9	3.3	2.2	2.0
Department of Transportation	408.4	340.3	254.6	533.6	587.0	634.1	586.7	641.2	632.6	670.3	721.5
Federal Aviation Administration	135.6	118.3	128.3	136.6	128.2	140.4	162.9	236.6	210.1	230.8	223.1
Federal Highway Administration	168.3	181.9	51.7	286.8	345.8	347.3	316.8	291.2	295.4	326.0	333.1
Federal Motor Carrier Safety Administration	6.8	6.4	6.6	5.3	9.4	8.4	6.9	6.6	5.7	6.6	6.5
Federal Railroad Administration	28.7	24.3	25.7	40.8	31.5	37.5	8.3	9.7	20.3	18.9	10.6
Federal Transit Administration	0.0	*	0.3	3.6	2.8	3.6	4.2	20.0	23.3	6.1	30.7
National Highway Traffic Safety Administration	65.4	6.7	40.1	57.5	64.1	83.3	82.0	70.8	71.0	72.0	111.0
Pipeline and Hazardous Materials Safety Administration	0.0	2.6	1.8	2.2	3.6	2.8	2.1	2.1	3.4	5.6	2.6
Research and Innovative Technology Administration	na	0.0	0.1	0.7	1.7	10.7	3.7	4.2	3.4	4.3	4.0
Research and Special Programs Administration	3.5	na	na	na	na	na	na	na	na	na	na
Department of the Treasury	58.5	61.2	63.1	60.4	58.9	64.4	66.8	68.3	76.7	74.7	77.8
Bureau of Engraving and Printing	4.1	3.9	5.4	5.1	4.1	4.8	1.8	0.9	4.9	4.4	8.8
Internal Revenue Service	54.4	57.3	57.8	55.4	54.8	59.6	64.9	66.3	70.8	68.9	68.9
U.S. Mint	NA	NA	NA	NA	NA	0.0	0.0	1.1	1.0	1.3	0.0
Department of Veterans Affairs	185.6	209.2	205.8	210.8	228.4	245.6	274.0	297.0	324.9	322.2	314.1
Other agencies											
Agency for International Development	262.3	241.3	198.3	197.0	232.9	121.0	159.6	83.5	119.2	121.6	124.0
Appalachian Regional Commission	0.7	0.6	0.8	1.0	0.8	0.8	1.0	0.6	0.4	0.4	0.4
Broadcasting Board of Governors	0.0	1.0	0.2	0.2	na	na	na	na	na	na	na
Environmental Protection Agency	365.4	422.9	416.2	400.5	391.5	371.8	384.4	397.9	403.4	394.2	401.3
Federal Communications Commission	4.5	4.1	5.1	7.1	6.4	6.7	6.9	3.7	3.7	3.9	4.8
Federal Trade Commission	2.3	1.6	1.2	1.6	1.5	2.6	2.4	3.0	2.7	1.9	1.9
Library of Congress	0.5	14.4	1.6	3.3	0.5	0.5	0.5	0.7	0.9	0.6	0.6
National Aeronautics and Space Administration	2,645.7	2,355.9	1,489.4	1,468.6	818.8	531.2	681.8	693.6	717.8	696.0	834.4
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	4.6	4.6	4.6	3.1	2.0	2.0

TABLE 124. Federal obligations for applied research, by agency: FYs 2003–13

(Dollars in millions)

Agency	2003	2004	2005	2006	2007	2008	2009	2010	2011	Preliminary	
										2012	2013
National Science Foundation	217.6	265.6	332.2	286.6	351.7	419.7	471.3	348.5	455.0	450.4	458.0
Nuclear Regulatory Commission	64.0	72.1	70.1	71.4	76.5	61.0	61.2	85.4	83.8	68.8	80.8
Social Security Administration	36.8	30.4	35.1	67.8	68.2	54.1	67.9	63.0	53.0	78.2	74.0

* = 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. Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. In FY 2003, the Substance Abuse and Mental Health Services Administration reclassified some of its funding categories that were considered R&D in prior years. 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. Between FY 2006 and FY 2007, the 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 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 2006, 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. In FY 2010, NASA resumed reporting International Space Station obligations as R&D plant. See appendix C for additional notes associated with the agencies listed in this table.

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