

TABLE 109. Federal obligations for applied research, by agency: FY 2000–10

(Dollars in millions)

Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
										2009	2010
All agencies	18,900.8	22,755.6	24,338.4	26,320.4	27,237.1	26,597.9	26,951.1	27,227.8	26,739.7	28,494.5	28,507.2
Departments											
Department of Agriculture	803.5	900.6	880.3	907.6	998.9	1,049.2	1,084.7	1,130.2	1,136.1	1,296.8	1,312.8
Agricultural Marketing Service	4.3	4.1	4.4	4.1	7.9	7.7	6.3	6.4	2.5	2.2	2.2
Agricultural Research Service	327.3	358.0	381.5	382.3	450.2	454.2	465.3	468.2	460.3	467.6	472.9
Cooperative State Research, Education, and Extension Service	305.2	365.2	312.3	319.9	334.5	371.7	390.9	354.1	418.1	530.4	539.3
Economic Research Service	57.7	59.1	60.3	61.6	63.7	66.6	67.5	83.4	73.4	79.6	84.5
Food Safety Inspection Service	1.6	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	0.6	0.6	0.6	0.7	1.2	1.1	0.6	0.4	0.3	0.3	0.3
Forest Service	100.4	106.7	113.9	131.4	133.2	133.2	138.2	191.9	173.0	208.8	205.2
Grain Inspection, Packers, and Stockyards Administration	0.7	0.0	0.0	0.0	0.0	6.7	7.1	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	2.6	2.8	3.1	3.7	4.3	4.3	4.6	4.8	4.3	4.2	4.0
Rural Business-Cooperative Service	3.1	2.4	4.2	3.8	3.8	3.6	4.1	21.0	4.2	3.8	4.4
Department of Commerce	849.6	763.4	921.9	988.3	840.0	830.5	767.3	825.7	853.1	1,051.4	901.0
Economic Development Administration	0.6	0.6	0.4	0.5	0.2	0.5	0.2	0.8	1.3	1.3	0.0
National Institute of Standards and Technology	268.3	283.3	298.6	315.5	312.6	298.6	282.6	312.4	296.8	468.9	354.6
National Oceanic and Atmospheric Administration	574.1	470.8	615.7	665.6	519.9	520.3	471.8	500.1	542.7	569.0	532.1
National Telecommunications and Information Administration	4.0	4.2	4.1	6.4	6.3	6.9	6.7	7.0	7.0	6.9	8.0
U.S. Census Bureau	2.5	4.7	3.2	0.3	0.9	4.2	6.0	5.3	5.3	5.2	6.4
Department of Defense	3,690.2	4,796.9	4,452.8	4,419.5	4,281.7	4,532.0	4,447.7	4,866.8	4,964.4	5,445.8	4,721.4
Defense agencies and activities	1,482.2	1,633.4	1,754.2	1,699.2	1,685.5	1,594.6	1,580.2	1,630.8	1,719.5	2,171.3	1,983.5
Department of the Air Force	843.1	1,654.8	1,058.4	1,091.1	891.3	876.8	1,000.5	1,117.9	1,191.9	1,189.1	1,172.7
Department of the Army	765.6	879.7	886.9	877.0	1,028.8	1,303.4	1,103.8	1,336.7	1,239.0	1,256.3	953.2
Department of the Navy	599.3	629.0	753.3	752.2	676.1	757.3	763.3	781.4	814.0	829.1	612.0
Department of Education	161.5	180.9	178.3	196.1	201.9	204.4	213.0	207.4	199.5	198.9	212.0
Department of Energy	1,925.0	2,297.6	2,584.6	2,813.7	2,835.4	2,957.3	2,885.7	2,848.9	2,919.3	2,813.2	3,106.0
Bonneville Power Administration	NA	NA	11.1	11.4	12.0	8.9	9.8	8.6	11.1	6.4	5.1
Civilian Radioactive Waste Management	NA	NA	62.5	75.8	78.9	53.5	52.9	10.5	1.4	0.1	0.0
Electricity Delivery and Energy Reliability	NA	NA	NA	NA	NA	66.5	93.4	57.3	27.3	50.7	80.1
Energy Efficiency and Renewable Energy	NA	NA	233.6	279.9	244.3	249.1	210.2	342.3	416.8	388.4	423.1
Environmental Management	NA	NA	49.0	20.8	12.8	14.9	10.2	2.4	2.3	10.9	24.0
Fossil Energy	NA	NA	136.9	245.9	221.6	206.7	210.8	211.0	179.0	201.4	180.9
National Nuclear Security Administration	NA	NA	2,046.1	2,147.7	2,193.6	2,274.5	2,210.9	2,145.8	2,151.3	2,039.5	2,029.4
Defense Programs	NA	NA	1,893.9	2,009.9	2,105.8	2,193.4	2,076.2	2,028.4	1,967.1	1,795.8	1,838.6
Nonproliferation and Verification	NA	NA	152.1	137.8	87.8	81.0	134.7	117.4	184.2	243.7	190.7
Nuclear Energy	NA	NA	42.5	29.4	69.4	83.2	87.5	71.0	130.1	116.0	363.4
Office of Science	NA	NA	3.0	2.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0

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Department of Health and Human Services	7,857.7	9,056.3	10,370.1	12,185.3	13,224.7	12,831.0	13,140.0	13,438.5	13,428.5	14,045.5	14,344.7
Administration for Children and Families	27.3	28.4	23.3	20.9	20.1	38.6	14.4	11.8	19.4	19.9	20.3
Administration on Aging	2.8	3.7	3.7	0.0	3.0	2.9	2.9	0.0	0.0	0.0	0.0
Agency for Healthcare Research and Quality	186.7	248.1	274.8	284.0	279.4	293.2	293.2	293.4	307.6	341.9	365.3
Agency for Toxic Substances and Disease Registry	14.7	13.1	12.4	14.3	10.7	9.4	9.0	4.2	4.3	4.5	3.9
Centers for Disease Control and Prevention	505.0	544.0	521.0	564.0	539.8	510.8	544.6	388.6	389.0	358.3	348.6
Centers for Medicare and Medicaid Services	61.5	138.0	117.0	73.6	77.6	77.3	62.4	57.3	31.1	30.1	35.6
Food and Drug Administration	144.2	151.6	136.3	138.3	132.3	142.1	143.3	129.3	137.9	166.4	211.8
Health Resources and Services Administration	34.5	13.9	15.2	14.0	14.9	15.1	14.8	14.4	19.2	21.0	23.2
National Institutes of Health	6,864.2	7,890.5	9,266.3	11,056.4	12,125.9	11,716.7	12,028.6	12,515.1	12,498.4	13,082.7	13,315.4
Office of the Secretary	16.7	24.9	0.0	19.9	21.1	24.8	26.8	24.5	21.5	20.7	20.7
Office of the Assistant Secretary, Planning and Evaluation	16.7	24.9	0.0	19.9	21.1	24.8	26.8	24.5	21.5	20.7	20.7
Department of Homeland Security	na	na	na	NA	246.9	542.1	526.3	485.2	79.7	133.6	118.4
Science and Technology Directorate	na	na	na	NA	199.4	356.0	515.7	479.2	72.5	123.0	111.6
Transportation Security Administration	na	na	na	NA	41.5	180.5	2.6	0.0	0.0	0.0	0.0
U.S. Coast Guard	na	na	na	NA	5.1	4.6	7.1	5.2	6.6	10.3	6.6
U.S. Secret Service	na	na	na	NA	1.0	1.0	1.0	0.8	0.6	0.3	0.3
Department of Housing and Urban Development	15.5	17.9	16.2	14.0	17.5	16.5	11.5	14.0	10.4	11.7	61.8
Department of the Interior	496.6	511.0	511.6	492.7	509.9	495.6	509.0	511.8	522.9	538.5	574.0
Bureau of Reclamation	7.4	7.3	3.6	3.3	3.8	4.4	3.1	3.0	3.1	2.9	3.2
Minerals Management Service	29.2	24.5	31.2	26.7	27.2	27.1	28.9	25.0	32.4	37.9	42.5
National Park Service	34.2	8.3	12.6	6.5	11.5	3.2	3.7	7.0	6.6	0.0	0.0
U.S. Geological Survey	425.8	470.9	464.1	456.2	467.4	460.9	473.4	476.8	480.8	497.7	528.3
Department of Justice	27.8	36.8	23.8	25.4	32.6	40.2	34.9	38.5	77.5	100.9	82.8
Bureau of Prisons	3.4	8.5	3.6	4.8	5.0	4.4	2.7	4.2	3.0	2.8	2.8
Office of Justice Programs	24.4	28.3	20.1	20.6	27.6	35.8	32.1	34.3	74.5	98.2	80.0
Department of Labor	35.1	18.7	15.3	23.2	23.8	22.2	16.5	33.8	26.6	28.8	41.4
Bureau of Labor Statistics	1.3	8.1	8.3	7.5	8.7	8.7	9.2	9.5	9.9	11.6	14.6
Employee Benefits Security Administration	2.7	3.3	2.7	2.7	2.5	2.7	2.6	1.8	2.2	2.2	2.3
Employment and Training Administration	25.0	0.0	0.0	9.0	9.0	6.7	0.7	18.8	10.7	10.3	19.3
Occupational Safety and Health Administration	5.8	5.7	3.8	3.1	3.4	3.4	3.5	3.4	3.6	4.5	5.1
Office of the Secretary	0.3	1.5	0.3	0.8	0.1	0.5	0.3	0.3	0.0	0.0	0.0
Pension Benefit Guaranty Corporation	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2
Department of State	1.5	2.2	2.3	2.3	3.0	3.3	4.2	3.8	3.7	4.0	2.1
Department of Transportation	328.2	422.7	494.6	408.4	340.3	254.6	533.6	587.0	634.1	651.6	671.5
Federal Aviation Administration	164.4	186.1	244.8	135.6	118.3	128.3	136.6	128.2	140.4	171.0	180.0
Federal Highway Administration	76.7	135.3	121.1	168.3	181.9	51.7	286.8	345.8	347.3	340.9	368.2
Federal Motor Carrier Safety Administration	2.8	8.0	0.2	6.8	6.4	6.6	5.3	9.4	8.4	6.9	6.1

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Federal Railroad Administration	24.2	23.8	29.7	28.7	24.3	25.7	40.8	31.5	37.5	46.7	37.4
Federal Transit Administration	0.0	0.0	0.6	0.0	*	0.3	3.6	2.8	3.6	5.5	5.8
National Highway Traffic Safety Administration	50.6	58.3	59.6	65.4	6.7	40.1	57.5	64.1	83.3	63.4	61.2
Pipeline and Hazardous Materials Safety Administration	0.0	0.0	0.0	0.0	2.6	1.8	2.2	3.6	2.8	6.5	2.2
Research and Innovative Technology Administration	na	na	na	na	0.0	0.1	0.7	1.7	10.7	10.7	10.6
Research and Special Programs Administration	4.5	5.2	3.7	3.5	na	na	na	na	na	na	na
Transportation Security Administration	na	na	28.3	na	na	na	na	na	na	na	na
U.S. Coast Guard	5.0	5.9	6.4	na	na	na	na	na	na	na	na
Department of the Treasury	51.2	63.2	61.1	58.5	61.2	63.1	60.4	58.9	64.4	68.5	73.1
Bureau of Engraving and Printing	2.6	4.7	4.6	4.1	3.9	5.4	5.1	4.1	4.8	3.6	2.5
Internal Revenue Service	47.4	56.6	55.5	54.4	57.3	57.8	55.4	54.8	59.6	64.9	70.6
Office of Thrift Supervision	0.1	0.1	0.1	0.0	na	na	na	na	0.0	0.0	0.0
U.S. Customs Service	0.0	1.0	*	na	na	na	na	na	0.0	0.0	0.0
U.S. Secret Service	1.0	0.7	0.8	na	na	na	na	na	0.0	0.0	0.0
Department of Veterans Affairs	185.4	196.1	172.6	185.6	209.2	205.8	210.8	228.4	245.6	260.9	297.3
Other agencies											
Agency for International Development	189.2	239.1	247.5	262.3	241.3	198.3	197.0	232.9	121.0	157.7	160.8
Appalachian Regional Commission	0.6	0.7	0.7	0.7	0.6	0.8	1.0	0.8	0.8	0.8	0.8
Broadcasting Board of Governors	0.1	*	0.3	0.0	1.0	0.2	0.2	na	na	na	na
Consumer Product Safety Commission	0.0	0.1	0.0	0.0	na	na	na	na	na	na	na
Environmental Protection Agency	352.1	276.2	259.9	365.4	422.9	416.2	400.5	391.5	371.8	398.2	415.7
Federal Communications Commission	2.8	2.7	4.4	4.5	4.1	5.1	7.1	6.4	6.7	6.9	4.1
Federal Trade Commission	0.7	0.7	1.8	2.3	1.6	1.2	1.6	1.5	2.6	2.4	1.9
Library of Congress	0.6	2.0	1.7	0.5	14.4	1.6	3.3	0.5	0.5	0.5	0.5
National Aeronautics and Space Administration	1,658.5	2,706.6	2,853.8	2,645.7	2,355.9	1,489.4	1,468.6	818.8	531.2	706.5	855.8
National Archives and Records Administration	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	4.6	4.6	4.6
National Science Foundation	185.5	180.9	185.5	217.6	265.6	332.2	286.6	351.7	419.7	400.5	374.6
Nuclear Regulatory Commission	53.0	53.0	74.3	64.0	72.1	70.1	71.4	76.5	61.0	81.6	84.8

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Agency	2000	2001	2002	2003	2004	2005	2006	2007	2008	Preliminary	
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Social Security Administration	28.8	28.9	22.8	36.8	30.4	35.1	67.8	68.2	54.1	84.8	83.4
U.S. Information Agency	na	na									
U.S. International Trade Commission	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

* = 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.

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 2000, National Aeronautics and Space Administration (NASA) reclassified Space Station as a physical asset, reclassified Space Station Research as equipment, and transferred funding for the program from R&D to R&D plant. In FY 2000, National Institutes of Health reclassified all its development activities as research. In FY 2003, Substance Abuse and Mental Health Services Administration reclassified some of its funding categories as non-R&D that were considered R&D in prior years. As a result of accounting changes, NASA's data for FY 2004 and later years may not be directly comparable to its data for FY 2003 and earlier years. 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: FY 2008–10.