

TABLE 94. Federal outlays for R&D plant, by agency: FYs 2002–12  
(Dollars in millions)

Agency	2002	2003	2004	2005	2006	2007	2008	2009	2010	Preliminary	
										2011	2012
All agencies	4,388.3	4,157.9	3,855.6	3,831.6	2,041.0	2,123.3	2,066.2	2,824.5 r	6,135.5	4,549.9	4,652.6
Departments											
Department of Agriculture	107.0	77.1	113.2	149.4	184.5	216.0	147.7	74.3	125.8	111.7	88.3
Agricultural Research Service	92.0	61.1	94.2	131.4	171.0	191.0	126.8	42.8	55.9	98.2	80.8
Forest Service	15.0	16.0	19.0	18.0	13.5	25.0	20.9	31.5	69.8	13.6	7.5
Department of Commerce	118.9	93.1	80.2	39.8	46.0	68.2	113.8	248.1	287.7	299.6	282.9
Economic Development Administration	NA	NA	NA	NA	NA	NA	18.5	25.4	26.5	14.9	27.0
National Institute of Standards and Technology	118.9	77.3	49.2	37.9	46.0	35.3	49.1	46.7	101.9	125.5	93.4
National Oceanic and Atmospheric Administration	0.0	15.7	31.0	1.9	0.0	33.0	46.2	176.0	159.3	159.3	162.4
Department of Defense	369.4	237.2	187.7	210.2	93.3	151.7	130.4	195.9	148.3	174.9	174.4
Defense agencies and activities	282.3	137.9	66.6	77.1	34.8	36.3	38.5	8.2	0.3	0.0	0.0
Department of the Air Force	5.4	6.8	9.7	35.7	38.7	15.1	91.9	111.2	128.8	158.8	158.3
Department of the Army	0.1	0.0	0.0	0.0	0.0	0.0	0.0	76.5	0.0	0.0	0.0
Department of the Navy	81.6	92.5	111.5	97.4	19.8	100.3	0.0	0.0	19.2	16.1	16.0
Department of Energy	1,024.3	1,051.8	1,025.9	846.8	780.3	651.3	748.3	1,224.5	904.4	745.9	1,156.4
Energy Efficiency and Renewable Energy	4.9	6.2	19.8	24.8	26.1	1.8	64.9	17.2	53.4	53.4	69.6
Fossil Energy	9.3	2.9	6.0	6.1	20.5	12.0	18.7	14.8	14.8	14.8	12.4
National Nuclear Security Administration	412.4	446.8	425.9	300.1	310.5	204.6	268.8	172.1	280.3	188.7	236.3
Defense Programs	397.3	419.9	407.8	268.4	271.6	171.0	232.0	132.0	201.3	158.0	190.5
Naval Reactors	15.1	26.8	18.2	31.7	38.9	33.6	36.8	40.1	79.0	30.7	45.7
Office of Science	597.8	596.0	574.3	515.8	423.2	432.8	395.9	1,020.4	555.9	489.0	838.1
Department of Health and Human Services	244.3	817.1	428.6	429.4	358.8	251.7	147.4	151.4	1,682.4	192.6	211.0
Ctrs. for Disease Control and Prevention	0.0	0.0	0.0	0.0	143.9	134.4	6.5	0.0	0.0	0.0	0.0
Food and Drug Administration	10.2	8.6	6.5	3.1	1.8	5.6	5.1	4.8	12.6	13.9	14.0
Health Resources and Services Administration	0.6	0.3	0.6	0.5	0.6	0.6	0.6	0.1	0.6	0.6	0.8
National Institutes of Health	233.4	808.2	421.4	425.7	212.6	111.1	135.1	146.5	1,669.1	178.1	196.3
Department of Homeland Security	na	NA	56.3	61.2	121.2	259.0	210.5	346.2	392.9	338.4	438.3
Science and Technology Directorate	na	NA	55.3	60.2	120.9	258.5	210.0	344.7	391.8	337.3	437.2
U.S. Coast Guard	na	NA	1.0	1.0	0.3	0.6	0.5	1.5	1.1	1.1	1.1
Department of the Interior	2.1	3.6	7.6	7.3	5.3	9.8	9.1	6.8	5.6	5.6	6.0
Bureau of Ocean Energy Management, Regulation and Enforcement <sup>a</sup>	2.1	2.1	2.3	2.7	3.1	2.9	2.7	2.3	2.0	2.0	2.4
Bureau of Reclamation	0.0	1.5	5.3	4.6	2.2	7.0	6.3	4.6	3.6	3.6	3.6
Department of Justice	NA	NA	NA	NA	NA	NA	1.0	NA	NA	NA	NA
Office of Justice Programs	NA	NA	NA	NA	NA	NA	1.0	NA	NA	NA	NA
Department of Labor	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.7	1.1	1.1	1.1
Occupational Safety and Health Administration	0.0	0.0	0.0	0.0	0.0	0.5	0.6	0.7	1.1	1.1	1.1
Department of Transportation	51.4	7.3	14.8	15.8	18.1	19.9	18.9	18.9	20.5	24.9	27.9
Federal Aviation Administration	14.0	6.0	14.0	15.0	17.0	18.0	17.0	17.0	19.0	22.0	25.0
Federal Railroad Administration	1.1	1.3	0.8	0.8	1.1	1.9	1.9	1.9	1.5	2.9	2.9

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Agency	2002	2003	2004	2005	2006	2007	2008	2009	2010	Preliminary	
										2011	2012
Transportation Security Administration	36.0	na	na	na	na	na	na	na	na	na	na
U.S. Coast Guard	0.3	na	na	na	na	na	na	na	na	na	na
Department of Veterans Affairs	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
Other agencies											
General Services Administration	*	0.0	0.0	0.0	0.0	na	na	na	na	na	na
National Aeronautics and Space Administration	2,197.0	1,595.8	1,580.8	1,697.3	12.2	11.7	72.2	75.8 <sup>r</sup>	1,564.9	1,578.2	1,634.5
National Science Foundation	271.0	272.0	357.0	368.0	395.0	453.0	424.0	433.0	949.0	1,020.0	582.0
Smithsonian Institution	2.5	2.5	3.0	6.0	26.0	30.0	42.0	49.0	53.0	57.0	50.0

\* = 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. r = data significantly revised; replaces previously published value.

<sup>a</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.