

TABLE 142. Federal obligations for R&amp;D plant for selected agencies, by state or location: FYs 2004–12

(Dollars in millions)

State or location	2004	2005	2006	2007	2008	2009	2010	2011	2012
All locations	3,979.3	3,749.1	2,093.1	2,111.0	1,893.3	3,591.3	6,563.3	4,100.5	2,093.9
Alabama	37.3	27.1	6.4	1.4	2.6	4.2	98.1	93.2	3.4
Alaska	126.8	15.8	4.8	7.6	3.6	173.5	57.8	6.3	6.6
Arizona	27.7	6.7	3.6	62.6	5.7	20.5	194.9	30.3	2.9
Arkansas	7.7	0.7	1.7	8.6	6.1	8.9	28.5	6.4	5.9
California	987.7	972.4	427.7	404.8	291.0	475.5	1,087.8	997.4	117.9
Colorado	82.9	89.3	97.7	183.8	115.9	279.5	300.0	140.6	108.2
Connecticut	46.8	87.8	4.3	1.9	5.6	3.1	123.2	93.7	1.7
Delaware	0.6	0.4	*	*	0.4	0.5	13.5	0.4	0.8
District of Columbia	118.1	33.3	105.8	73.4	76.7	180.4	364.9	236.9	135.4
Florida	120.9	107.0	1.6	11.4	12.9	56.7	140.7	90.4	47.9
Georgia	16.4	98.7	128.7	131.7	36.0	53.8	58.5	45.4	50.8
Hawaii	7.0	43.8	5.6	8.0	3.1	25.3	38.1	23.3	15.4
Idaho	22.6	23.1	7.0	8.7	5.9	16.6	25.2	30.9	41.0
Illinois	122.9	104.7	84.6	89.2	61.7	233.8	281.3	115.4	245.0
Indiana	7.7	4.2	2.7	4.1	3.7	7.5	34.9	6.6	2.2
Iowa	107.0	32.0	62.3	64.4	11.3	11.1	28.3	7.1	8.0
Kansas	1.3	10.2	0.3	1.6	0.4	2.9	12.7	4.4	5.5
Kentucky	7.4	25.2	7.2	0.8	5.6	2.5	21.8	4.6	8.5
Louisiana	17.2	15.4	36.7	6.2	2.8	26.7	28.4	14.9	1.2
Maine	4.8	3.8	3.8	1.8	0.8	6.3	1.4	1.5	0.1
Maryland	472.7	515.1	250.5	157.1	262.1	238.7	1,137.3	404.9	235.3
Massachusetts	21.6	90.5	49.1	32.7	13.9	48.8	102.7	30.8	28.0
Michigan	8.0	3.3	3.5	2.6	1.3	11.3	45.0	3.5	23.8
Minnesota	5.7	4.3	0.8	4.7	0.9	8.5	24.1	24.0	2.1
Mississippi	11.0	11.1	20.5	19.4	3.1	25.3	77.6	22.0	13.6
Missouri	4.7	11.3	6.3	1.3	1.9	5.8	30.5	4.2	12.1
Montana	3.4	6.3	6.5	1.4	0.9	2.0	23.3	0.4	0.0
Nebraska	1.5	*	0.7	0.7	1.0	0.9	22.2	0.8	0.5
Nevada	7.6	7.2	40.9	32.5	4.3	1.2	1.8	4.1	1.1
New Hampshire	6.6	3.4	4.0	1.1	0.8	2.1	11.1	1.6	2.0
New Jersey	50.5	51.0	56.9	90.2	53.3	82.8	74.5	40.0	52.1
New Mexico	269.4	183.3	110.8	29.2	184.6	108.7	190.5	96.8	54.2
New York	71.3	97.1	100.8	80.4	81.7	326.0	309.7	210.5	186.2
North Carolina	21.0	8.5	4.1	3.0	4.9	12.2	36.7	8.8	10.7
North Dakota	NA	4.4	0.3	NA	0.7	2.0	5.9	0.4	0.7
Ohio	19.5	26.1	17.0	21.5	16.7	24.3	100.5	55.2	61.6
Oklahoma	17.6	4.2	0.9	2.5	12.8	5.7	19.0	13.1	10.6
Oregon	7.1	4.0	2.8	4.1	2.9	4.9	35.9	18.1	9.6
Pennsylvania	26.8	24.7	17.4	12.9	35.0	37.8	127.1	15.2	23.3
Puerto Rico	1.6	1.1	0.4	1.6	4.4	3.6	15.9	1.5	0.5
Rhode Island	12.0	2.4	1.0	0.1	0.8	4.7	6.1	2.6	6.5
South Carolina	8.6	20.7	3.5	7.3	11.4	14.7	24.5	19.0	16.2
South Dakota	10.8	2.3	0.5	0.5	0.3	2.2	2.6	0.8	0.6
Tennessee	199.7	198.9	111.8	143.6	188.8	330.1	371.6	315.3	248.3
Texas	568.7	486.8	42.1	7.5	20.6	39.9	430.3	428.7	34.8
Utah	1.1	4.3	0.5	3.9	1.9	83.7	12.1	1.5	2.0
Vermont	0.6	0.7	0.3	0.2	0.8	0.6	3.2	1.4	0.5
Virginia	179.3	170.4	129.0	283.9	268.9	268.6	215.1	344.7	169.7
Washington	32.4	34.3	30.0	29.6	13.5	215.2	89.0	48.8	52.3
West Virginia	11.3	10.2	20.7	16.0	13.1	52.2	35.7	21.4	14.9
Wisconsin	56.2	58.2	65.1	47.1	30.6	36.9	33.3	10.0	11.3

TABLE 142. Federal obligations for R&D plant for selected agencies, by state or location: FYs 2004–12

(Dollars in millions)

State or location	2004	2005	2006	2007	2008	2009	2010	2011	2012
Wyoming	0.3	0.8	0.4	0.6	0.0	0.5	1.2	0.5	0.3
Offices abroad <sup>a</sup>	NA	0.8	1.7	NA	0.0	0.0	0.0	0.0	0.0
Other areas <sup>b</sup>	NA	NA	NA	NA	3.6	*	7.4	0.0	0.0

\* = amount greater than \$0 but less than \$50,000. NA = not available; data collected for this table were not recorded at that level in that particular fiscal year.

<sup>a</sup> Includes R&D performed or administered in foreign countries by the U.S. government.

<sup>b</sup> Includes America Samoa, Baker Island, Federated States of Micronesia, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Marshall Islands, Midway Islands, Navassa Island, Northern Mariana Islands, Palau, Palmyra Atoll, U.S. Virgin Islands, and Wake Island.

NOTES: Because of rounding, detail may not add to total. Only 11 agencies are required to report data for this section of the survey: the Departments of Agriculture, Commerce, Defense (DOD), Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency (EPA); the National Aeronautics and Space Administration (NASA); and the National Science Foundation. These obligations represented over 97% of the federal R&D plant obligations in FY 2012. Although the nongeographic historical tables incorporate corrections to previously reported data that have been submitted by reporting agencies, corresponding corrections to geographic distributions are rarely obtainable. Geographic distribution of DOD development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D. 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. In FY 2012, NASA began reporting International Space Station obligations as research rather than R&D plant. In FY 2010, EPA was unable to report R&D plant by performer or by location. Percentage distributions calculated from EPA's data submission for FYs 2009–11 were used to estimate its FY 2010 R&D plant by performer and its location. FYs 2009 and 2010 obligations 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.