

TABLE 131

Federal obligations for R&D plant for selected agencies, by state or location: FYs 2012–20

(Dollars in millions)

State or location	2012	2013	2014	2015	2016	2017	2018	2019	2020
All locations	2,088.9	1,856.0	2,178.2	2,791.8	2,401.7	2,594.1	3,806.0	4,329.5	6,083.4
Alabama	3.4	39.3	12.5	14.5	1.6	9.1	127.7	125.3	57.9
Alaska	6.6	7.8	8.1	8.0	9.6	7.1	16.6	6.6	12.4
Arizona	2.9	1.0	29.2	85.9	98.7	61.8	16.3	12.5	3.1
Arkansas	5.9	3.0	5.6	5.2	3.7	4.8	2.6	0.0	0.6
California	117.9	166.2	246.5	307.4	451.4	479.6	656.3	676.5	669.4
Colorado	108.2	150.9	170.4	74.1	112.7	45.7	266.9	365.1	140.8
Connecticut	1.7	1.5	3.1	1.6	1.3	1.6	3.2	1.5	0.1
Delaware	0.8	0.2	1.1	0.1	1.4	0.5	1.9	9.6	5.5
District of Columbia	135.4	167.5	225.1	39.8	49.8	32.5	324.9	150.5	97.5
Florida	47.9	37.6	104.0	29.7	28.7	18.3	80.3	33.8	127.8
Georgia	50.8	92.4	37.3	5.3	11.9	143.9	11.2	6.6	37.9
Hawaii	15.4	13.0	15.2	14.2	14.8	14.8	19.2	24.3	6.1
Idaho	41.0	1.2	2.6	80.9	89.1	116.9	0.0	3.4	249.6
Illinois	245.0	103.4	108.6	126.0	176.9	207.2	383.0	471.3	577.6
Indiana	2.2	2.6	1.4	8.5	8.3	4.1	4.2	8.9	1.3
Iowa	8.0	7.5	3.7	2.5	3.8	4.2	17.6	2.1	4.2
Kansas	5.5	2.5	1.0	815.7	0.8	14.0	10.9	12.2	13.5
Kentucky	8.5	0.8	0.7	1.2	3.2	*	2.3	6.8	64.1
Louisiana	1.2	12.2	1.9	0.7	2.7	17.3	21.1	25.9	24.4
Maine	0.1	1.7	0.8	1.1	0.9	0.9	0.5	0.4	0.0
Maryland	235.3	263.7	202.7	208.3	328.5	258.9	478.5	648.4	1,827.9
Massachusetts	28.0	13.9	26.8	24.9	29.9	30.4	18.4	39.8	20.9
Michigan	23.8	24.5	59.6	95.7	107.5	103.9	98.9	84.6	51.1
Minnesota	2.1	2.2	3.1	3.1	2.7	1.6	1.1	3.0	2.8
Mississippi	13.6	14.5	14.1	17.6	18.6	16.3	15.4	13.6	12.1
Missouri	7.1	2.9	9.8	5.1	12.2	6.0	5.0	11.1	45.1
Montana	0.0	1.0	0.4	0.8	3.7	0.4	2.8	*	2.1
Nebraska	0.5	0.5	1.2	2.7	0.2	*	0.3	0.8	0.0
Nevada	1.1	0.3	0.6	0.2	0.3	14.0	27.5	1.0	34.2
New Hampshire	2.0	1.3	0.5	0.6	2.0	0.3	2.3	1.3	3.4
New Jersey	52.1	55.5	71.5	44.8	46.2	47.4	49.1	80.8	41.0
New Mexico	54.2	82.9	90.4	86.0	66.3	39.6	87.1	256.8	72.8
New York	186.2	94.1	172.9	204.3	153.8	148.3	98.7	129.7	233.3
North Carolina	10.7	7.4	8.0	6.4	7.7	12.1	8.7	22.9	53.7
North Dakota	0.7	0.0	*	0.2	0.3	0.5	0.7	0.2	1.4
Ohio	61.6	4.7	4.2	7.7	120.9	76.2	82.9	94.5	81.4
Oklahoma	10.6	8.2	7.4	9.8	1.1	3.9	3.2	10.8	4.1
Oregon	9.6	9.6	12.2	14.2	17.6	144.8	103.9	144.4	52.6
Pennsylvania	23.3	13.0	10.4	34.8	24.7	25.5	17.3	12.3	214.1
Rhode Island	6.5	6.2	18.0	19.5	27.8	36.7	19.1	27.7	27.9
South Carolina	16.2	13.2	16.0	16.5	25.8	19.2	20.5	21.8	15.5
South Dakota	0.6	1.1	1.8	0.3	1.1	1.6	0.6	0.3	7.5
Tennessee	248.3	223.4	292.9	264.4	194.7	250.1	430.8	513.1	693.8
Texas	34.8	15.0	9.2	9.3	29.7	33.0	70.6	64.5	127.8
Utah	2.0	3.6	1.4	0.4	0.8	1.0	0.8	0.0	0.5
Vermont	0.5	0.3	1.6	*	0.3	*	1.5	0.8	6.1
Virginia	169.7	131.9	103.9	30.6	82.7	129.7	122.0	103.8	157.2
Washington	52.3	40.8	35.3	37.0	13.2	4.3	36.2	55.9	122.1
West Virginia	14.9	0.2	14.6	14.1	*	1.0	19.8	0.8	1.7

TABLE 131

Federal obligations for R&D plant for selected agencies, by state or location: FYs 2012–20

(Dollars in millions)

State or location	2012	2013	2014	2015	2016	2017	2018	2019	2020
Wisconsin	11.3	5.7	7.2	9.0	8.2	2.0	4.2	12.5	67.9
Wyoming	0.3	1.2	0.7	0.5	0.0	0.0	1.0	10.6	6.0
Outlying areas	0.5	0.6	0.8	0.6	0.7	0.6	9.4	18.3	1.9
Puerto Rico	0.5	0.6	0.8	0.6	0.7	0.6	9.4	15.5	1.2
Other areas ^a	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	0.7
Offices abroad ^b	0.0	0.0	0.0	0.4	*	0.6	0.9	0.0	0.0
Undistributed ^c	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0

* = amount greater than \$0 but less than \$50,000.

^a Includes American Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Northern Mariana Islands, Palmyra Atoll, U.S. Virgin Islands, and Wake Island.

^b Includes federal obligations for R&D plant located in foreign countries.

^c Undistributed totals include Department of Defense (DOD) obligations for which the location of performance is not reported. It includes DOD obligations for industry R&D that were included in individual state totals prior to FY 2012 and obligations for other performers that were not reported prior to FY 2011.

Note(s):

Because of rounding, detail may not add to total. Eleven agencies are required to report data for this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. Obligations of these 11 agencies represented more than 98% of federal R&D plant obligations in FY 2020. 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. Starting with volume 62 (FYs 2012–14), an "undistributed" category was added to the geographic location tables for DOD obligations for which the location of performance is not reported. It includes DOD obligations for industry R&D that were included in individual state totals prior to FY 2012 and DOD obligations for other performers that were not reported prior to FY 2011. This change was applied retroactively to FY 2011 data. FY 2020 obligations include additional funding provided by supplemental COVID-19 related appropriations (e.g., Coronavirus Aid, Relief, and Economic Security [CARES] Act). See technical table A-2 for additional notes associated with the agencies listed in this table.

Source(s):

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