

TABLE 111

**Federal obligations for basic research, by agency: FYs 2011–20**

(Dollars in millions)

Agency	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 (preliminary)
All agencies	29,313.6	30,958.9	29,779.4	31,587.9	31,527.1	32,292.7	33,271.5	36,195.1	40,017.3	41,755.3
Departments										
Department of Agriculture	963.3	851.4	844.2	907.7	924.5	934.9	965.2	986.2	1,056.5	1,182.9
Agricultural Research Service	566.5	544.9	507.2	560.9	565.8	572.2	585.2	600.3	646.2	707.0
Animal and Plant Health Inspection Service	0.0	0.0	17.7	19.0	19.5	19.6	18.8	18.1	18.8	18.9
Economic Research Service	7.6	6.9	6.5	7.0	0.0	0.0	0.0	0.0	0.0	0.0
Foreign Agricultural Service	0.2	0.2	0.2	0.1	0.2	*	*	0.0	0.0	0.0
Forest Service	89.9	84.9	96.5	89.7	84.6	90.5	88.5	84.3	84.7	86.1
Grain Inspection, Packers, and Stockyards Administration	6.7	0.0	0.0	0.0	0.0	0.0	0.0	na	na	na
National Agricultural Statistics Service	3.3	3.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	289.1	211.0	212.7	231.0	254.5	252.4	272.6	283.5	306.9	371.0
Department of Commerce	165.5	174.2	190.6	214.5	232.4	247.3	246.0	227.3	253.2	261.9
Economic Development Administration	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards and Technology	165.1	174.2	190.6	214.5	232.4	247.3	246.0	227.3	253.2	261.9
Department of Defense	1,885.4	2,035.8	1,862.8	2,073.5	2,133.4	2,238.7	2,110.1	2,389.9	2,510.2	2,564.7
Defense Advanced Research Projects Agency	254.2	345.0	284.7	347.3	359.8	378.1	391.2	458.4	478.3	481.6
Department of the Air Force	470.7	502.7	447.6	501.3	501.4	522.3	469.3	564.1	559.4	503.4
Department of the Army	415.0	418.1	397.9	435.8	448.9	461.8	450.4	471.9	494.7	550.9
Department of the Navy	547.0	587.8	555.6	610.9	620.4	636.9	569.2	596.1	655.7	637.1
Other defense agencies	198.4	182.1	177.2	178.2	202.9	239.8	230.0	299.3	322.1	391.8
Department of Education	7.5	6.8	24.4	25.0	22.4	23.2	32.7	54.6	57.3	58.7
Department of Energy	3,961.7	3,957.4	3,851.1	4,075.1	4,460.4	4,585.5	4,500.3	5,000.9	5,074.5	5,482.6
Bonneville Power Administration	4.0	4.6	9.0	4.8	4.3	4.3	5.5	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	6.4	6.3	3.6	4.2	6.5	2.7	6.0	12.6	14.6	15.4
Energy Efficiency and Renewable Energy	1.6	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Fossil Energy	4.1	3.7	3.4	4.3	5.2	6.1	6.0	33.1	33.0	34.0
National Nuclear Security Administration	42.1	45.6	49.3	55.8	67.6	82.9	80.9	88.4	101.8	106.7
Defense Programs	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	42.1	45.6	42.7	55.8	67.6	82.9	80.9	88.4	101.8	106.7
Nuclear Energy	0.0	0.0	0.0	0.0	42.6	34.6	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	na	na	na	na	na	na	na	0.0	1.0	1.6
Office of Science	3,903.5	3,890.5	3,785.7	4,006.0	4,334.2	4,454.9	4,402.0	4,866.8	4,924.1	5,324.9
Department of Health and Human Services	16,066.3	15,977.4	15,288.3	16,005.2	15,076.9	15,645.3	16,700.1	18,240.9	19,099.8	20,477.3
Agency for Toxic Substances and Disease Registry	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0
Centers for Disease Control and Prevention	64.8	73.6	57.6	70.6	95.2	84.8	72.1	64.0	77.2	87.9
Health Resources and Services Administration	2.6	2.6	2.4	2.2	2.6	2.5	3.0	2.7	2.6	2.4

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National Institutes of Health	15,998.9	15,901.2	15,228.4	15,932.4	14,979.0	15,558.0	16,625.0	18,173.0	19,020.0	20,387.0
Department of Homeland Security	113.8	84.3	0.0	41.6	11.7	13.1	11.6	60.6	46.3	45.3
Countering Weapons of Mass Destruction Office	NA	NA	NA	41.6	11.7	13.1	11.6	5.4	5.4	4.3
Science and Technology Directorate	113.8	84.3	0.0	0.0	0.0	0.0	0.0	55.2	40.9	41.0
Department of Housing and Urban Development	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.1	57.9
Department of the Interior	48.9	54.2	51.4	52.2	53.3	53.8	54.3	79.5	81.4	83.9
Bureau of Land Management	NA	NA	NA	NA	0.0	0.0	0.0	0.9	0.9	0.9
Bureau of Safety and Environmental Enforcement	na	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.2
National Park Service	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.9	0.9
U.S. Geological Survey	48.9	54.2	51.4	52.2	53.3	53.8	54.3	77.1	79.5	82.0
Department of Justice	17.5	15.3	20.7	8.1	5.3	12.9	2.1	16.2	21.2	21.7
Federal Bureau of Investigation	0.0	0.0	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Justice Programs	17.5	15.3	16.5	8.1	5.3	12.9	2.1	16.2	21.2	21.7
Department of Transportation	4.4	8.4	7.2	9.1	0.0	0.0	0.0	0.0	0.0	0.0
Federal Highway Administration	4.4	8.4	7.2	0.9	0.0	0.0	0.0	0.0	0.0	0.0
Federal Transit Administration	0.0	0.0	0.0	8.2	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Treasury	0.2	0.1	0.1	0.2	0.2	1.9	0.0	11.1	10.3	5.6
Bureau of Engraving and Printing	0.2	0.1	0.1	0.2	0.2	1.9	0.0	11.1	10.3	5.5
U.S. Mint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.1
Department of Veterans Affairs	250.6	251.3	249.0	232.0	227.2	219.4	274.1	527.8	629.1	668.8
Other agencies										
Agency for International Development	0.0	0.0	9.0	0.7	0.0	0.0	0.8	0.0	0.0	0.0
Environmental Protection Agency	88.0	86.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Federal Communications Commission	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0	0.0	0.0
National Aeronautics and Space Administration	856.8	2,606.0	2,824.2	3,022.9	3,209.7	3,280.8	3,425.8	3,281.7	5,689.0	5,259.6
National Science Foundation	4,690.6	4,652.4	4,361.5	4,725.2	4,973.9	4,829.3	4,739.1	5,089.2	5,212.1	5,342.2
Nuclear Regulatory Commission	0.0	0.0	0.0	0.0	0.0	0.1	1.4	1.4	0.8	0.8
Smithsonian Institution	193.1	197.0	195.0	194.9	195.7	206.2	207.9	227.9	236.4	241.4

\* = 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 were not collected at that level for that fiscal year.

**Note(s):**

Because of rounding, detail may not add to total. Only those agencies and subdivisions that had obligations in variables represented by this table appear in the table. FY 2020 preliminary data do not include obligations from 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.