

TABLE 101

Federal outlays for R&D plant, by agency: FYs 2011–20

(Dollars in millions)

Agency	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 (preliminary)
All agencies	4,300.8	2,470.5	1,859.5	2,243.9	2,405.1	2,228.1	3,222.6	3,844.0	5,015.9	5,713.6
Departments										
Department of Agriculture	119.0	69.6	24.5	19.1	18.4	20.4	15.2	38.5	48.9	109.0
Agricultural Research Service	102.0	58.1	15.0	9.7	8.5	5.3	5.7	22.8	39.3	107.0
Forest Service	17.0	9.8	7.9	7.5	7.9	13.0	9.3	15.6	9.6	2.0
Grain Inspection, Packers, and Stockyards Administration	0.0	1.7	1.6	1.9	2.0	2.0	0.2	na	na	na
Department of Commerce	322.7	290.2	179.8	179.9	196.4	211.5	183.5	292.0	385.7	343.2
Economic Development Administration	14.9	NA	NA	NA	NA	NA	NA	NA	NA	NA
National Institute of Standards and Technology	171.1	149.7	51.7	50.6	64.4	61.5	64.2	75.0	132.7	151.2
National Oceanic and Atmospheric Administration	136.7	140.6	128.1	129.3	132.0	150.0	119.3	217.0	253.0	192.0
Department of Defense	131.9	138.7	87.1	137.1	150.3	167.8	919.6	394.7	353.3	331.2
Department of the Air Force	115.6	135.7	67.8	111.3	118.8	122.3	161.2	179.1	205.1	203.0
Department of the Army	0.0	0.0	0.0	0.0	0.0	5.0	719.9	0.0	0.0	0.0
Department of the Navy	16.4	1.5	18.3	19.2	23.8	28.9	29.7	38.3	126.3	117.2
Other defense agencies	0.0	1.6	1.0	6.6	7.7	11.6	8.8	177.4	21.9	11.0
Department of Energy	771.3	714.3	558.6	669.3	992.0	997.9	1,167.6	2,065.4	3,236.6	3,849.5
Bonneville Power Administration	0.0	0.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	35.9	0.0	16.1	3.6	4.2	2.9	3.6	208.0	1,738.4	1,953.4
Fossil Energy	14.8	12.4	16.0	16.0	18.0	0.0	15.8	21.3	23.0	29.0
National Nuclear Security Administration	151.6	92.8	74.8	81.6	292.7	261.7	289.6	298.6	275.4	281.5
Defense Programs	119.1	52.9	74.7	59.8	137.6	101.9	89.5	189.3	275.4	272.5
Naval Nuclear Propulsion Program	32.5	39.9	0.1	21.8	155.1	159.8	200.1	109.2	0.0	0.0
Office of Defense Nuclear Nonproliferation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0
Nuclear Energy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	26.0
Office of Science	569.0	609.1	437.4	568.1	677.1	733.3	858.7	1,537.6	1,199.9	1,559.6
Department of Health and Human Services	79.2	155.1	148.3	160.4	127.2	141.2	217.2	221.7	156.0	223.0
Centers for Medicare and Medicaid Services	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*	0.0
Food and Drug Administration	8.5	21.2	21.7	23.4	22.6	30.6	29.2	28.7	26.0	35.0
Health Resources and Services Administration	0.6	0.6	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
National Institutes of Health	70.1	133.2	126.0	136.3	104.0	110.0	188.0	193.0	130.0	188.0
Department of Homeland Security	694.3	234.5	279.2	407.7	228.3	193.2	185.5	215.1	206.3	170.0
Science and Technology Directorate	693.1	233.3	278.0	406.5	227.0	191.9	184.2	213.9	205.0	170.0
U.S. Coast Guard	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	0.0
Department of the Interior	8.4	5.8	6.9	5.5	7.2	8.2	3.2	3.6	3.7	6.3
Bureau of Ocean Energy Management, Regulation and Enforcement	4.8	na	na	na	na	na	na	na	na	na
Bureau of Reclamation	3.7	2.1	3.0	2.2	2.9	1.2	1.2	1.2	1.2	1.2

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Agency	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020 (preliminary)
Bureau of Safety and Environmental Enforcement	na	3.8	3.9	3.4	4.3	7.1	2.0	2.4	2.6	5.2
Department of Labor	1.3	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	1.3	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	17.9	21.1	21.6	20.1	21.6	29.4	34.5	31.2	37.7	36.8
Federal Aviation Administration	17.0	18.0	16.0	18.0	19.0	27.0	32.0	30.0	36.0	35.0
Federal Railroad Administration	0.9	3.1	5.6	2.1	2.6	2.4	2.5	1.2	1.7	1.8
Department of the Treasury	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	1.3
Bureau of Engraving and Printing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.0
U.S. Mint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.3
Other agencies										
Environmental Protection Agency	4.7	4.9	7.0	7.1	5.1	5.3	4.8	4.7	4.7	4.5
National Aeronautics and Space Administration	1,578.2	168.9	65.2	133.8	210.2	76.1	87.7	87.3	78.2	76.2
National Science Foundation	515.0	616.0	434.0	468.0	415.0	348.0	371.0	457.0	468.0	530.0
Smithsonian Institution	57.0	50.0	47.0	36.0	33.2	29.0	32.7	32.7	32.6	32.6

* = 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 outlays 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.