

TABLE 101

Federal outlays for R&D plant, by agency: FYs 2012–21

(Dollars in millions)

Agency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (preliminary)
All agencies	2,470.5	1,859.5	2,243.9	2,405.1	2,228.1	3,222.6	3,844.0	3,287.0	4,785.8	6,700.9
Departments										
Department of Agriculture	69.6	24.5	19.1	18.4	20.4	15.2	38.5	48.9	75.5	159.7
Agricultural Research Service	58.1	15.0	9.7	8.5	5.3	5.7	22.8	39.3	66.0	148.0
Forest Service	9.8	7.9	7.5	7.9	13.0	9.3	15.6	9.6	9.4	11.7
Grain Inspection, Packers, and Stockyards Administration	1.7	1.6	1.9	2.0	2.0	0.2	na	na	na	na
Department of Commerce	290.2	179.8	179.9	196.4	211.5	183.5	292.0	385.7	261.4	344.7
National Institute of Standards and Technology	149.7	51.7	50.6	64.4	61.5	64.2	75.0	132.7	94.3	163.7
National Oceanic and Atmospheric Administration	140.6	128.1	129.3	132.0	150.0	119.3	217.0	253.0	167.1	181.0
Department of Defense	138.7	87.1	137.1	150.3	167.8	919.6	394.7	353.3	506.9	706.3
Defense Health Agency	na	na	NA	NA	NA	NA	NA	NA	15.5	0.0
Department of the Air Force	135.7	67.8	111.3	118.8	122.3	161.2	179.1	205.1	192.8	132.2
Department of the Army	0.0	0.0	0.0	0.0	5.0	719.9	0.0	0.0	0.0	0.0
Department of the Navy	1.5	18.3	19.2	23.8	28.9	29.7	38.3	126.3	284.4	562.1
Other defense agencies	1.6	1.0	6.6	7.7	11.6	8.8	177.4	21.9	14.2	12.0
Department of Energy	714.3	558.6	669.3	992.0	997.9	1,167.6	2,065.4	1,507.8	1,789.8	2,407.1
Bonneville Power Administration	0.0	14.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	0.0	16.1	3.6	4.2	2.9	3.6	208.0	9.5	54.5	31.6
Fossil Energy	12.4	16.0	16.0	18.0	0.0	15.8	21.3	23.0	23.9	27.7
National Nuclear Security Administration	92.8	74.8	81.6	292.7	261.7	289.6	298.6	275.4	511.9	739.4
Defense Programs	52.9	74.7	59.8	137.6	101.9	89.5	189.3	275.4	255.9	397.0
Naval Nuclear Propulsion Program	39.9	0.1	21.8	155.1	159.8	200.1	109.2	0.0	247.0	331.0
Office of Defense Nuclear Nonproliferation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.0	11.4
Office of Science	609.1	437.4	568.1	677.1	733.3	858.7	1,537.6	1,199.9	1,199.5	1,608.5
Department of Health and Human Services	155.1	148.3	160.4	127.2	141.2	217.2	221.7	156.0	1,501.6	2,442.1
Biomedical Advanced Research and Development Authority	NA	NA	NA	NA	NA	NA	NA	0.0	1,295.7	2,100.1
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	21.2	21.7	23.4	22.6	30.6	29.2	28.7	26.0	27.9	34.0
Health Resources and Services Administration	0.6	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0
National Institutes of Health	133.2	126.0	136.3	104.0	110.0	188.0	193.0	130.0	178.0	308.0
Department of Homeland Security	234.5	279.2	407.7	228.3	193.2	185.5	215.1	206.3	69.7	10.0
Science and Technology Directorate	233.3	278.0	406.5	227.0	191.9	184.2	213.9	205.0	69.7	10.0
U.S. Coast Guard	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
Department of the Interior	5.8	6.9	5.5	7.2	8.2	3.2	3.6	3.7	5.0	9.1
Bureau of Reclamation	2.1	3.0	2.2	2.9	1.2	1.2	1.2	1.2	1.7	1.2
Bureau of Safety and Environmental Enforcement	3.8	3.9	3.4	4.3	7.1	2.0	2.4	2.6	3.3	8.0
Department of Labor	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Occupational Safety and Health Administration	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Transportation	21.1	21.6	20.1	21.6	29.4	34.5	31.2	37.7	51.9	36.8
Federal Aviation Administration	18.0	16.0	18.0	19.0	27.0	32.0	30.0	36.0	50.0	35.0

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Agency	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021 (preliminary)
Federal Railroad Administration	3.1	5.6	2.1	2.6	2.4	2.5	1.2	1.7	1.9	1.8
Department of the Treasury	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.1	2.1	0.3
Bureau of Engraving and Printing	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9	0.0
U.S. Mint	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.3	0.3
Other agencies										
Environmental Protection Agency	4.9	7.0	7.1	5.1	5.3	4.8	4.7	4.7	4.5	2.3
National Aeronautics and Space Administration	168.9	65.2	133.8	210.2	76.1	87.7	87.3	78.2	27.4	14.0
National Science Foundation	616.0	434.0	468.0	415.0	348.0	371.0	457.0	468.0	423.0	501.0
Nuclear Regulatory Commission	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.2
Smithsonian Institution	50.0	47.0	36.0	33.2	29.0	32.7	32.7	32.6	66.2	67.4

* = 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 outlays in variables represented by this table appear in the table. FYs 2020 and 2021 outlays 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.