

TABLE 48

Federal obligations for applied research in physical sciences, by agency and detailed field: FY 2020

(Dollars in thousands)

Agency	Total	Astronomy	Chemistry	Physics	Other physical sciences
All agencies	1,906,879.2	903.2	389,772.1	1,061,211.8	454,992.1
Departments					
Department of Agriculture	45,482.6	0.0	44,116.0	1,366.6	0.0
Agricultural Research Service	36,556.2	0.0	35,189.6	1,366.6	0.0
Forest Service	1,646.8	0.0	1,646.8	0.0	0.0
National Institute of Food and Agriculture	7,279.7	0.0	7,279.7	0.0	0.0
Department of Commerce	75,145.7	142.9	25,775.3	47,131.5	2,096.0
National Institute of Standards and Technology	50,958.7	142.9	23,914.3	24,805.5	2,096.0
National Oceanic and Atmospheric Administration	24,187.0	0.0	1,861.0	22,326.0	0.0
Department of Defense	440,295.7	684.8	127,718.6	187,159.2	124,733.0
Defense Advanced Research Projects Agency	25,851.1	0.0	0.0	25,317.5	533.6
Department of the Air Force	150,725.2	19.7	357.4	91,558.4	58,789.7
Department of the Army	4,622.4	0.0	0.0	4,622.4	0.0
Department of the Navy	41,535.2	665.1	8,635.2	8,438.0	23,796.8
Other defense agencies	217,561.7	0.0	118,726.0	57,222.8	41,612.9
Department of Energy	995,780.7	0.0	111,036.4	804,220.8	80,523.5
Advanced Research Projects Agency—Energy	36,414.2	0.0	0.0	36,414.2	0.0
Fossil Energy	102,377.2	0.0	102,377.2	0.0	0.0
National Nuclear Security Administration	850,945.2	0.0	8,659.2	761,762.4	80,523.5
Defense Programs	758,802.5	0.0	0.0	727,446.4	31,356.1
Office of Defense Nuclear Nonproliferation	92,142.7	0.0	8,659.2	34,316.1	49,167.4
Office of Science	6,044.2	0.0	0.0	6,044.2	0.0
Department of Health and Human Services	53,595.1	0.0	52,933.1	662.0	0.0
National Institutes of Health	53,595.1	0.0	52,933.1	662.0	0.0
Department of Homeland Security	23,941.3	0.0	9,450.8	5,984.4	8,506.2
Countering Weapons of Mass Destruction Office	9,100.5	0.0	2,105.6	5,984.4	1,010.6
Science and Technology Directorate	14,840.8	0.0	7,345.2	0.0	7,495.6
Department of the Interior	244.2	0.0	0.0	0.0	244.2
National Park Service	244.2	0.0	0.0	0.0	244.2
Department of Justice	6,403.9	0.0	5,240.5	0.0	1,163.5
Office of Justice Programs	6,403.9	0.0	5,240.5	0.0	1,163.5
Department of Transportation	2,627.9	0.0	1,899.1	0.0	728.8
Pipeline and Hazardous Materials Safety Administration	2,627.9	0.0	1,899.1	0.0	728.8
Department of the Treasury	43,907.7	0.0	0.0	0.0	43,907.7
Bureau of Engraving and Printing	43,907.7	0.0	0.0	0.0	43,907.7
Other agencies					
Consumer Product Safety Commission	19.2	0.0	0.0	0.0	19.2
Environmental Protection Agency	9,836.6	0.0	8,673.9	0.0	1,162.7
Federal Communications Commission	450.0	0.0	0.0	450.0	0.0
Library of Congress	1,215.2	0.0	1,215.2	0.0	0.0
National Aeronautics and Space Administration	192,735.2	0.0	0.0	9,076.8	183,658.4
National Science Foundation	15,198.2	75.5	1,713.2	5,160.6	8,248.8

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. FYs 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, FYs 2020–21.