

TABLE 33

Federal obligations for basic research in engineering, by agency and detailed field: FY 2019

(Dollars in thousands)

Agency	Total	Aeronautical engineering	Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering	Mechanical engineering	Metallurgy and materials engineering	Other engineering
All agencies	3,617,951.0	70,949.6	8,686.5	74,877.7	11,536.3	219,453.2	103,411.3	1,223,084.2	1,905,952.2
Departments									
Department of Agriculture	29,181.9	0.0	0.0	55.0	0.0	0.0	0.0	0.0	29,126.9
Agricultural Research Service	5,815.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5,815.7
Forest Service	4,522.2	0.0	0.0	55.0	0.0	0.0	0.0	0.0	4,467.2
National Institute of Food and Agriculture	18,844.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,844.0
Department of Commerce	23,920.1	0.0	0.0	123.7	0.0	7,798.1	93.6	11,558.8	4,345.9
National Institute of Standards and Technology	23,920.1	0.0	0.0	123.7	0.0	7,798.1	93.6	11,558.8	4,345.9
Department of Defense	687,996.3	70,949.6	8,686.5	16,946.8	7,486.0	98,245.1	52,180.3	119,162.4	314,339.6
Defense Advanced Research Projects Agency	66,877.5	0.0	0.0	2,735.3	0.0	36,220.1	0.0	0.0	27,922.1
Department of the Air Force	164,844.9	42,275.2	4,425.0	7,579.9	90.1	9,790.3	2,925.7	47,242.1	50,516.7
Department of the Army	39,376.6	3,773.4	0.0	0.0	707.5	6,007.9	12,361.9	15,532.2	993.7
Department of the Navy	293,709.1	17,785.5	0.0	700.0	0.0	10,403.6	7,201.0	38,341.7	219,277.4
Other defense agencies	123,188.2	7,115.4	4,261.5	5,931.6	6,688.4	35,823.3	29,691.8	18,046.5	15,629.7
Department of Energy	931,142.2	0.0	0.0	8,193.9	0.0	17,083.8	1,150.0	902,675.6	2,039.0
Electricity Delivery and Energy Reliability	14,649.0	0.0	0.0	0.0	0.0	14,649.0	0.0	0.0	0.0
National Nuclear Security Administration	200.0	0.0	0.0	140.0	0.0	60.0	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	200.0	0.0	0.0	140.0	0.0	60.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	989.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	989.0
Office of Science	915,304.2	0.0	0.0	8,053.9	0.0	2,374.8	1,150.0	902,675.6	1,050.0
Department of Health and Human Services	1,102,387.4	0.0	0.0	0.0	0.0	0.0	0.0	8,531.1	1,093,856.3
National Institutes of Health	1,102,387.4	0.0	0.0	0.0	0.0	0.0	0.0	8,531.1	1,093,856.3

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Department of Homeland Security	24,746.0	0.0	0.0	271.0	0.0	3,883.5	0.0	0.0	20,591.6
Science and Technology Directorate	24,746.0	0.0	0.0	271.0	0.0	3,883.5	0.0	0.0	20,591.6
Department of Housing and Urban Development	1,159.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,159.2
Department of the Interior	182.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182.9
Bureau of Safety and Environmental Enforcement	182.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	182.9
Department of the Treasury	13.9	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0
U.S. Mint	13.9	0.0	0.0	0.0	0.0	0.0	0.0	13.9	0.0
Department of Veterans Affairs	18,873.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,873.0
Other agencies									
National Science Foundation	798,347.9	0.0	0.0	49,287.4	4,050.3	92,442.7	49,987.4	181,142.2	421,437.8

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. 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 2019–20.