

TABLE 11

Federal obligations for research and experimental development and for R&D plant to federally funded research and development centers, by agency: FY 2019

(Dollars in thousands)

Agency	R&D				R&D plant			
	Total	Industry-administered FFRDCs	University-administered FFRDCs	Nonprofit-administered FFRDCs	Total	Industry-administered FFRDCs	University-administered FFRDCs	Nonprofit-administered FFRDCs
All agencies	14,691,030.2	6,077,581.3	5,351,919.6	3,261,529.2	2,234,544.6	428,268.6	850,027.0	956,249.0
Departments								
Department of Commerce	29,428.3	0.0	9,928.6	19,499.7	0.0	0.0	0.0	0.0
National Institute of Standards and Technology	19,202.9	0.0	0.0	19,202.9	0.0	0.0	0.0	0.0
National Oceanic and Atmospheric Administration	10,225.4	0.0	9,928.6	296.8	0.0	0.0	0.0	0.0
Department of Defense	1,551,156.2	379,985.2	450,700.5	720,470.5	80,391.3	77,223.3	2,968.0	200.0
Defense Advanced Research Projects Agency	121,677.7	38,239.6	55,657.8	27,780.3	0.0	0.0	0.0	0.0
Department of the Air Force	464,748.0	103,650.4	82,380.3	278,717.2	0.0	0.0	0.0	0.0
Department of the Army	98,612.0	7,680.9	27,695.9	63,235.1	0.0	0.0	0.0	0.0
Department of the Navy	180,302.6	34,478.1	43,244.7	102,579.8	6,168.0	3,000.0	2,968.0	200.0
Other defense agencies	685,816.0	195,936.1	241,721.8	248,158.1	74,223.3	74,223.3	0.0	0.0
Department of Energy	9,632,400.0	5,170,580.3	2,240,021.1	2,221,798.7	2,144,453.3	351,045.3	837,359.0	956,049.0
Advanced Research Projects Agency–Energy	56,659.1	21,165.6	10,748.8	24,744.7	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	99,127.7	32,119.8	13,796.5	53,211.5	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	875,322.2	127,590.3	179,732.5	567,999.4	305,460.0	0.0	0.0	305,460.0
Environmental Management	5,455.0	5,230.0	225.0	0.0	0.0	0.0	0.0	0.0
Fossil Energy	25,000.0	13,000.0	10,000.0	2,000.0	0.0	0.0	0.0	0.0
National Nuclear Security Administration	4,527,266.7	4,442,223.2	16,931.0	68,112.5	337,342.0	337,342.0	0.0	0.0
Defense Programs	2,489,717.7	2,483,096.0	950.0	5,671.7	337,342.0	337,342.0	0.0	0.0
Naval Nuclear Propulsion Program	1,788,618.0	1,788,618.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	248,931.0	170,509.2	15,981.0	62,440.8	0.0	0.0	0.0	0.0
Nuclear Energy	439,148.6	294,282.1	30,135.7	114,730.9	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	18,146.9	11,287.7	0.0	6,859.2	0.0	0.0	0.0	0.0
Office of Science	3,586,273.9	223,681.6	1,978,451.6	1,384,140.6	1,501,651.3	13,703.3	837,359.0	650,589.0

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Department of Health and Human Services	548,509.3	495,720.0	20,551.4	32,237.8	0.0	0.0	0.0	0.0
Centers for Disease Control and Prevention	340.8	0.0	0.0	340.8	0.0	0.0	0.0	0.0
Centers for Medicare and Medicaid Services	*	0.0	0.0	*	0.0	0.0	0.0	0.0
National Institutes of Health	548,168.5	495,720.0	20,551.4	31,897.0	0.0	0.0	0.0	0.0
Department of Homeland Security	69,443.0	13,427.5	6,321.3	49,694.2	0.0	0.0	0.0	0.0
Countering Weapons of Mass Destruction Office	23,580.9	10,778.0	4,823.2	7,979.7	0.0	0.0	0.0	0.0
Cybersecurity and Infrastructure Security Agency	7,530.9	2,649.6	333.3	4,548.0	0.0	0.0	0.0	0.0
Science and Technology Directorate	37,611.2	0.0	914.7	36,696.5	0.0	0.0	0.0	0.0
U.S. Coast Guard	470.0	0.0	0.0	470.0	0.0	0.0	0.0	0.0
U.S. Secret Service	250.0	0.0	250.0	0.0	0.0	0.0	0.0	0.0
Department of the Interior	619.0	0.0	320.0	299.0	0.0	0.0	0.0	0.0
Bureau of Reclamation	619.0	0.0	320.0	299.0	0.0	0.0	0.0	0.0
Department of Transportation	81,811.7	0.0	265.0	81,546.7	0.0	0.0	0.0	0.0
Federal Aviation Administration	79,284.6	0.0	0.0	79,284.6	0.0	0.0	0.0	0.0
Federal Highway Administration	500.0	0.0	0.0	500.0	0.0	0.0	0.0	0.0
National Highway Traffic Safety Administration	1,314.2	0.0	265.0	1,049.2	0.0	0.0	0.0	0.0
Pipeline and Hazardous Materials Safety Administration	713.0	0.0	0.0	713.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	71,051.9	0.0	0.0	71,051.9	0.0	0.0	0.0	0.0
Other agencies								
Administrative Office of the U.S. Courts	6,448.3	0.0	0.0	6,448.3	0.0	0.0	0.0	0.0
Environmental Protection Agency	1,366.1	472.3	679.1	214.7	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,358,911.8	4,989.8	2,315,936.7	37,985.2	9,700.0	0.0	9,700.0	0.0
National Science Foundation	308,907.7	0.0	303,201.7	5,706.0	0.0	0.0	0.0	0.0

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Nuclear Regulatory Commission	30,977.0	12,406.3	3,994.3	14,576.5	0.0	0.0	0.0	0.0

* = amount greater than \$0 but less than \$50.

FFRDC = federally funded research and development center.

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.