

TABLE 43

Preliminary federal obligations for applied research, by agency and field of science and engineering: FY 2020

(Dollars in thousands)

Agency	Total	Computer sciences and mathematics	Engineering	Environmental sciences	Life sciences	Physical sciences	Psychology	Social sciences	Other sciences nec
All agencies	43,507,176.5	2,266,099.4	12,605,872.6	1,855,955.5	20,458,931.1	1,891,581.1	1,461,250.9	589,385.6	2,378,100.3
Departments									
Department of Agriculture	1,506,354.8	7,216.2	55,585.1	9,762.3	1,200,650.8	49,073.6	0.0	184,066.8	0.0
Agricultural Marketing Service	3,476.3	0.0	0.0	0.0	3,476.3	0.0	0.0	0.0	0.0
Agricultural Research Service	565,600.0	735.3	5,090.4	2,488.6	519,616.7	36,311.5	0.0	1,357.4	0.0
Economic Research Service	85,257.0	0.0	0.0	0.0	0.0	0.0	0.0	85,257.0	0.0
Foreign Agricultural Service	500.0	0.0	0.0	0.0	500.0	0.0	0.0	0.0	0.0
Forest Service	173,164.4	1,073.0	5,876.8	3,320.1	133,088.2	2,474.8	0.0	27,331.5	0.0
National Agricultural Statistics Service	5,407.9	5,407.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Institute of Food and Agriculture	669,000.0	0.0	44,617.9	3,953.5	541,169.7	10,287.2	0.0	68,971.7	0.0
Rural Business-Cooperative Service	3,949.2	0.0	0.0	0.0	2,800.0	0.0	0.0	1,149.2	0.0
Department of Commerce	1,108,527.7	148,361.9	270,762.1	469,557.2	75,116.9	72,550.1	85.8	40,302.4	31,791.2
National Institute of Standards and Technology	486,034.6	139,486.3	253,288.1	6,886.4	21,186.8	50,676.1	85.8	578.0	13,847.1
National Oceanic and Atmospheric Administration	575,822.0	5,048.0	9,294.0	462,670.8	53,930.1	21,874.0	0.0	5,061.0	17,944.1
National Telecommunications and Information Administration	8,180.0	0.0	8,180.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Census Bureau	38,491.0	3,827.6	0.0	0.0	0.0	0.0	0.0	34,663.4	0.0
Department of Defense	5,900,212.4	1,305,042.5	2,456,535.7	149,409.6	569,158.2	386,456.4	58,943.2	5,188.6	969,478.1
Defense Advanced Research Projects Agency	1,513,218.0	824,113.3	353,380.4	32,722.0	208,467.5	77,882.0	0.0	0.0	16,652.7
Department of the Air Force	1,661,346.3	116,353.6	1,107,885.4	15,515.4	46,859.8	148,902.4	374.4	0.0	225,455.3
Department of the Army	1,261,958.7	139,994.2	575,422.4	7,786.4	195,408.5	4,218.8	47,604.8	0.0	291,523.7
Department of the Navy	909,697.8	131,787.2	343,913.9	92,385.8	17,565.9	32,990.6	10,952.0	3,002.6	277,099.8
Other defense agencies	553,991.6	92,794.3	75,933.6	1,000.0	100,856.5	122,462.6	12.0	2,186.0	158,746.6
Department of Education	132,645.0	0.0	0.0	0.0	0.0	0.0	0.0	7,888.7	124,756.3
Department of Energy	7,199,120.3	354,499.9	5,602,685.6	208,380.1	15,212.8	1,018,342.0	0.0	0.0	0.0
Advanced Research Projects Agency –Energy	212,500.0	21,817.8	131,367.5	0.0	15,112.8	44,201.9	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	67,881.0	0.0	67,881.0	0.0	0.0	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	1,546,376.0	0.0	1,546,376.0	0.0	0.0	0.0	0.0	0.0	0.0
Environmental Management	3,818.1	0.0	0.0	3,818.1	0.0	0.0	0.0	0.0	0.0

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Fossil Energy	646,000.0	0.0	300,000.0	200,000.0	0.0	146,000.0	0.0	0.0	0.0
National Nuclear Security Administration	4,264,122.2	332,682.1	3,098,638.0	4,562.0	100.0	828,140.1	0.0	0.0	0.0
Defense Programs	4,131,021.0	316,642.0	3,086,050.0	0.0	0.0	728,329.0	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	133,101.2	16,040.1	12,588.0	4,562.0	100.0	99,811.1	0.0	0.0	0.0
Nuclear Energy	435,425.1	0.0	435,425.1	0.0	0.0	0.0	0.0	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	22,998.0	0.0	22,998.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Health and Human Services	20,265,691.5	131,865.9	1,098,321.9	277,462.1	16,684,191.9	45,777.0	1,249,888.1	98,837.0	679,347.6
Administration for Children and Families	1,575.0	0.0	0.0	0.0	0.0	0.0	0.0	1,575.0	0.0
Administration for Community Living	71,822.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	71,822.2
Agency for Healthcare Research and Quality	308,145.0	43,388.9	803.0	0.0	172,573.6	0.0	7,799.5	20,813.1	62,767.0
Agency for Toxic Substances and Disease Registry	7,000.0	0.0	0.0	7,000.0	0.0	0.0	0.0	0.0	0.0
Centers for Disease Control and Prevention	263,989.5	0.0	0.0	95,022.8	157,669.3	378.0	0.0	342.0	10,577.4
Centers for Medicare and Medicaid Services	136,000.0	0.0	0.0	0.0	136,000.0	0.0	0.0	0.0	0.0
Food and Drug Administration	495,000.0	0.0	0.0	0.0	495,000.0	0.0	0.0	0.0	0.0
Health Resources and Services Administration	29,159.8	0.0	0.0	0.0	16,621.1	0.0	0.0	1,188.7	11,350.0
National Institutes of Health	18,936,000.0	88,477.1	1,097,518.9	175,439.4	15,706,327.8	45,398.9	1,242,088.7	57,918.3	522,831.0
Office of the Secretary of Health and Human Services	17,000.0	0.0	0.0	0.0	0.0	0.0	0.0	17,000.0	0.0
Office of the Assistant Secretary for Planning and Evaluation	17,000.0	0.0	0.0	0.0	0.0	0.0	0.0	17,000.0	0.0
Department of Homeland Security	187,657.5	51,315.2	63,688.8	208.9	8,000.0	24,793.0	13.9	11,896.3	27,741.5
Countering Weapons of Mass Destruction Office	19,741.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19,741.5
Cybersecurity and Infrastructure Security Agency	14,431.0	1,166.7	575.0	0.0	0.0	793.0	0.0	11,896.3	0.0
Science and Technology Directorate	152,000.0	50,000.0	62,000.0	0.0	8,000.0	24,000.0	0.0	0.0	8,000.0
U.S. Coast Guard	1,485.0	148.5	1,113.8	208.9	0.0	0.0	13.9	0.0	0.0

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Department of Housing and Urban Development	30,735.2	0.0	760.8	0.0	0.0	0.0	0.0	23,311.6	6,662.8
Department of the Interior	633,996.4	3,765.1	18,325.2	401,860.7	199,636.5	244.2	0.0	9,425.6	739.2
Bureau of Indian Affairs	5,000.0	0.0	0.0	5,000.0	0.0	0.0	0.0	0.0	0.0
Bureau of Land Management	12,856.0	0.0	0.0	0.0	12,856.0	0.0	0.0	0.0	0.0
Bureau of Ocean Energy Management	67,232.0	3,765.1	0.0	53,834.4	0.0	0.0	0.0	8,893.3	739.2
Bureau of Reclamation	17,500.0	0.0	8,750.0	8,750.0	0.0	0.0	0.0	0.0	0.0
Bureau of Safety and Environmental Enforcement	13,334.8	0.0	9,575.2	3,759.6	0.0	0.0	0.0	0.0	0.0
National Park Service	9,365.1	0.0	0.0	4,296.9	4,291.7	244.2	0.0	532.3	0.0
Office of Surface Mining Reclamation and Enforcement	510.0	0.0	0.0	510.0	0.0	0.0	0.0	0.0	0.0
U.S. Fish and Wildlife Service	32,650.0	0.0	0.0	0.0	32,650.0	0.0	0.0	0.0	0.0
U.S. Geological Survey	475,548.5	0.0	0.0	325,709.8	149,838.7	0.0	0.0	0.0	0.0
Department of Justice	68,905.5	2,213.9	1,768.8	0.0	7,636.3	10,173.7	2,778.6	36,670.2	7,664.1
Bureau of Prisons	1,276.0	0.0	0.0	0.0	0.0	0.0	0.0	1,276.0	0.0
Federal Bureau of Investigation	1,003.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,003.7
Office of Justice Programs	66,625.9	2,213.9	1,768.8	0.0	7,636.3	10,173.7	2,778.6	35,394.2	6,660.4
Department of Labor	4,652.0	0.0	0.0	0.0	0.0	0.0	0.0	4,652.0	0.0
Employee Benefits Security Administration	2,895.3	0.0	0.0	0.0	0.0	0.0	0.0	2,895.3	0.0
Occupational Safety and Health Administration	1,756.8	0.0	0.0	0.0	0.0	0.0	0.0	1,756.8	0.0
Department of State	62,300.0	0.0	0.0	0.0	60,000.0	0.0	0.0	2,300.0	0.0
Department of Transportation	913,281.4	104,618.1	641,664.1	43,672.5	13,480.7	16,391.4	28,778.4	1,612.2	63,064.0
Federal Aviation Administration	348,223.5	82,802.4	179,397.4	29,691.9	13,480.7	0.0	28,778.4	0.0	14,072.7
Federal Highway Administration	391,860.3	0.0	391,860.3	0.0	0.0	0.0	0.0	0.0	0.0
Federal Motor Carrier Safety Administration	11,102.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11,102.4
Federal Railroad Administration	32,243.4	0.0	30,631.2	0.0	0.0	0.0	0.0	1,612.2	0.0
Federal Transit Administration	20,000.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,000.0
National Highway Traffic Safety Administration	74,240.7	21,815.6	20,555.5	13,980.6	0.0	0.0	0.0	0.0	17,888.9
Office of the Secretary of Transportation	15,112.7	0.0	15,112.7	0.0	0.0	0.0	0.0	0.0	0.0

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Pipeline and Hazardous Materials Safety Administration	20,498.4	0.0	4,107.0	0.0	0.0	16,391.4	0.0	0.0	0.0
Department of the Treasury	43,979.2	0.0	71.5	0.0	0.0	43,907.7	0.0	0.0	0.0
Bureau of Engraving and Printing	43,907.7	0.0	0.0	0.0	0.0	43,907.7	0.0	0.0	0.0
U.S. Mint	71.5	0.0	71.5	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	901,667.9	0.0	47,900.3	0.0	657,903.7	0.0	120,762.9	0.0	75,101.1
Other agencies									
Administrative Office of the U.S. Courts	7,671.6	7,671.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agency for International Development	171,713.9	0.0	0.0	587.9	158,222.0	0.0	0.0	12,904.0	0.0
Consumer Product Safety Commission	200.0	0.0	0.0	150.0	0.0	50.0	0.0	0.0	0.0
Environmental Protection Agency	411,906.4	8,774.1	58,417.6	169,771.1	162,728.5	9,835.6	0.0	2,379.5	0.0
Federal Communications Commission	1,800.0	300.0	1,050.0	0.0	0.0	450.0	0.0	0.0	0.0
Federal Trade Commission	7,324.8	0.0	0.0	0.0	0.0	0.0	0.0	7,324.8	0.0
Library of Congress	1,114.3	0.0	0.0	0.0	0.0	1,114.3	0.0	0.0	0.0
National Aeronautics and Space Administration	2,355,696.2	3,508.1	1,866,276.0	117,684.4	100,465.9	200,440.5	0.0	0.0	67,321.3
National Science Foundation	814,415.0	136,946.9	325,094.0	7,448.7	5,856.9	11,981.6	0.0	2,653.8	324,433.3
Nuclear Regulatory Commission	64,490.4	0.0	64,490.4	0.0	0.0	0.0	0.0	0.0	0.0
Patient-Centered Outcomes Research Trust Fund	540,670.0	0.0	0.0	0.0	540,670.0	0.0	0.0	0.0	0.0
Social Security Administration	131,774.0	0.0	0.0	0.0	0.0	0.0	0.0	131,774.0	0.0
Tennessee Valley Authority	5,880.0	0.0	5,880.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Agency for Global Media	6,198.0	0.0	0.0	0.0	0.0	0.0	0.0	6,198.0	0.0
U.S. Postal Service	26,595.0	0.0	26,595.0	0.0	0.0	0.0	0.0	0.0	0.0

nec = not elsewhere classified.

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. 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, FYs 2019–20.