

TABLE 52

Preliminary federal obligations for experimental development, by agency and performer: FY 2020

(Dollars in thousands)

Agency	Total	Intramural ^a	Extramural							
			United States and U.S. territories							Foreign
			Industry	Industry-administered FFRDCs	Universities and colleges	University-administered FFRDCs	Other nonprofits	Nonprofit-administered FFRDCs	State, local governments	
All agencies	65,622,247.5	22,939,632.3	35,665,096.1	2,269,262.4	1,702,353.5	510,721.2	773,541.5	1,193,492.5	60,503.0	507,645.0
Departments										
Department of Agriculture	214,927.7	198,038.8	0.0	0.0	15,313.2	0.0	1,325.7	0.0	26.1	223.8
Agricultural Marketing Service	3,476.3	3,476.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Agricultural Research Service	141,400.0	130,528.3	0.0	0.0	9,548.9	0.0	1,072.9	0.0	26.1	223.8
Animal and Plant Health Inspection Service	20,686.0	15,087.9	0.0	0.0	5,598.1	0.0	0.0	0.0	0.0	0.0
Forest Service	45,760.1	45,760.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Agricultural Statistics Service	3,605.3	3,186.3	0.0	0.0	166.2	0.0	252.8	0.0	0.0	0.0
Department of Commerce	251,387.5	176,975.3	390.3	293.1	67,662.9	2,688.8	2,101.8	0.0	1,270.0	5.2
National Institute of Standards and Technology	20,457.4	12,752.2	0.0	0.0	6,705.2	0.0	1,000.0	0.0	0.0	0.0
National Oceanic and Atmospheric Administration	149,583.0	82,876.0	390.3	293.1	60,957.7	2,688.8	1,101.8	0.0	1,270.0	5.2
U.S. Census Bureau	81,347.1	81,347.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Defense, total experimental development	53,996,391.4	19,241,497.3	31,235,699.9	336,514.4	1,106,369.7	352,715.7	657,070.9	613,014.2	7,993.0	445,516.3
Defense Advanced Research Projects Agency	1,672,408.0	301,188.8	1,241,133.3	14,037.6	46,477.3	31,634.5	16,767.5	8,157.8	0.0	13,011.1
Department of the Air Force	13,456,974.9	3,632,948.1	9,202,007.6	122,672.4	77,379.9	48,282.7	15,502.1	231,974.4	6,207.6	120,000.0
Department of the Army	8,941,947.8	3,409,819.4	5,067,167.5	9,280.6	147,869.2	25,079.1	182,704.0	53,126.6	5.2	46,896.2
Department of the Navy	15,240,235.0	6,189,612.8	8,303,021.5	83,439.0	389,344.4	43,441.2	133,545.8	75,736.3	432.8	21,661.3
Other defense agencies	14,684,825.6	5,707,928.1	7,422,370.0	107,084.7	445,298.9	204,278.1	308,551.4	244,019.2	1,347.4	243,947.8
Department of Defense, advanced technology	7,301,773.5	2,746,666.0	3,543,497.0	71,409.2	314,671.6	78,958.7	445,970.2	50,122.5	961.6	49,516.7
Defense Advanced Research Projects Agency	1,536,893.0	219,879.8	1,186,927.3	14,037.6	46,477.3	31,634.5	16,767.5	8,157.8	0.0	13,011.1
Department of the Air Force	942,258.3	410,145.7	498,477.0	748.5	17,060.0	214.7	6,950.4	8,552.5	109.4	0.0

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Department of the Army	1,498,111.8	629,051.6	742,223.0	20.9	63,196.3	4,030.5	51,333.0	2,178.5	0.0	6,078.0
Department of the Navy	981,995.9	404,313.7	407,736.8	1,070.2	66,831.8	211.2	94,565.9	6,121.2	320.1	825.2
Other defense agencies	2,342,514.4	1,083,275.2	708,132.8	55,532.0	121,106.1	42,867.9	276,353.3	25,112.5	532.0	29,602.5
Department of Defense, major systems	46,694,617.9	16,494,831.2	27,692,203.0	265,105.2	791,698.2	273,756.9	211,100.7	562,891.7	7,031.5	395,999.6
Defense Advanced Research Projects Agency	135,515.0	81,309.0	54,206.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of the Air Force	12,514,716.6	3,222,802.4	8,703,530.6	121,923.9	60,319.9	48,068.0	8,551.7	223,421.9	6,098.2	120,000.0
Department of the Army	7,443,836.0	2,780,767.8	4,324,944.5	9,259.7	84,672.9	21,048.6	131,370.9	50,948.1	5.2	40,818.2
Department of the Navy	14,258,239.1	5,785,299.1	7,895,284.7	82,368.9	322,512.6	43,230.0	38,979.9	69,615.0	112.7	20,836.1
Other defense agencies	12,342,311.1	4,624,652.9	6,714,237.1	51,552.7	324,192.7	161,410.3	32,198.1	218,906.6	815.4	214,345.3
Department of Education	50,896.5	1,984.8	640.1	0.0	38,167.6	0.0	9,328.0	250.0	525.9	0.0
Department of Energy	3,454,313.1	79,675.3	521,663.9	1,927,963.4	361,133.9	130,305.9	12,265.4	412,564.1	8,741.2	0.0
Advanced Research Projects Agency—Energy	212,500.0	0.0	89,831.9	11,106.7	85,616.7	5,640.5	7,319.6	12,984.8	0.0	0.0
Electricity Delivery and Energy Reliability	70,584.0	1,613.6	4,651.5	16,459.1	8,371.3	7,069.7	4,933.8	27,267.1	217.9	0.0
Energy Efficiency and Renewable Energy	1,020,253.0	0.0	237,939.3	76,761.5	247,174.5	108,131.6	0.0	341,722.8	8,523.2	0.0
Environmental Management	7,751.8	0.0	2,140.7	1,641.4	3,216.0	402.0	0.0	351.8	0.0	0.0
National Nuclear Security Administration	1,948,845.3	77,587.1	81,764.7	1,771,181.0	0.0	1,956.0	12.0	16,344.5	0.0	0.0
Defense Programs	236,749.0	77,587.1	64,331.2	91,400.0	0.0	0.0	12.0	3,418.8	0.0	0.0
Naval Nuclear Propulsion Program	1,648,396.0	0.0	0.0	1,648,396.0	0.0	0.0	0.0	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	63,700.3	0.0	17,433.5	31,385.0	0.0	1,956.0	0.0	12,925.8	0.0	0.0
Nuclear Energy	175,124.9	474.6	86,081.9	50,813.6	16,755.5	7,106.2	0.0	13,893.2	0.0	0.0
Office of Cybersecurity, Energy Security, and Emergency Response	19,254.0	0.0	19,254.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Department of Health and Human Services	818,725.8	1,971.2	721,980.6	0.0	55,984.1	0.0	36,230.8	0.0	2,559.2	0.0
Administration for Community Living	18,395.6	0.0	3,532.3	0.0	10,191.7	0.0	4,547.4	0.0	124.2	0.0
Biomedical Advanced Research and Development Authority	747,036.5	0.0	718,448.3	0.0	7,321.2	0.0	21,267.1	0.0	0.0	0.0
Centers for Disease Control and Prevention	53,293.7	1,971.2	0.0	0.0	38,471.2	0.0	10,416.3	0.0	2,435.0	0.0
Department of Homeland Security	274,785.8	73,878.8	165,391.1	4,312.0	0.0	1,250.0	10,200.0	16,979.9	0.0	2,774.0
Countering Weapons of Mass Destruction Office	17,342.4	1,454.0	7,622.5	4,312.0	0.0	0.0	200.0	979.9	0.0	2,774.0
Science and Technology Directorate	229,000.0	70,000.0	132,000.0	0.0	0.0	1,000.0	10,000.0	16,000.0	0.0	0.0
Transportation Security Administration	22,900.0	0.0	22,900.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Coast Guard	3,464.0	2,424.8	1,039.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
U.S. Secret Service	2,079.4	0.0	1,829.4	0.0	0.0	250.0	0.0	0.0	0.0	0.0
Department of the Interior	164,756.8	137,227.3	2,903.6	0.0	12,366.1	300.0	1,337.2	300.0	10,322.5	0.0
Bureau of Land Management	7,032.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7,032.0	0.0
Bureau of Ocean Energy Management	29,663.0	27,497.0	2,074.7	0.0	0.0	0.0	0.0	0.0	91.3	0.0
Bureau of Reclamation	18,850.0	13,000.0	150.0	0.0	4,500.0	300.0	300.0	300.0	300.0	0.0
Bureau of Safety and Environmental Enforcement	1,922.3	601.2	585.9	0.0	0.0	0.0	735.1	0.0	0.0	0.0
U.S. Geological Survey	107,289.5	96,129.1	93.0	0.0	7,866.1	0.0	302.1	0.0	2,899.2	0.0
Department of Justice	16,460.1	1,889.8	198.4	0.0	6,637.4	0.0	2,343.9	0.0	5,390.5	0.0
Bureau of Prisons	5,772.0	1,272.0	0.0	0.0	0.0	0.0	0.0	0.0	4,500.0	0.0
Office of Justice Programs	10,688.1	617.8	198.4	0.0	6,637.4	0.0	2,343.9	0.0	890.5	0.0
Department of Transportation	421,947.3	50,823.3	173,839.5	0.0	22,371.7	0.0	11,901.4	140,770.7	21,740.8	500.0

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Federal Aviation Administration	343,923.4	31,745.5	154,978.8	0.0	15,547.1	0.0	881.3	140,770.7	0.0	0.0
Federal Highway Administration	25,846.6	4,105.8	0.0	0.0	0.0	0.0	0.0	0.0	21,740.8	0.0
Federal Railroad Administration	6,020.7	1,264.3	3,251.2	0.0	1,324.6	0.0	180.6	0.0	0.0	0.0
Office of the Secretary of Transportation	11,844.7	11,844.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pipeline and Hazardous Materials Safety Administration	34,312.0	1,863.0	15,609.5	0.0	5,500.0	0.0	10,839.5	0.0	0.0	500.0
Department of the Treasury	10,966.1	0.0	10,966.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bureau of Engraving and Printing	10,966.1	0.0	10,966.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	32,176.3	32,176.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other agencies										
Agency for International Development	48,874.4	4,887.4	9,427.7	0.0	6,157.4	0.0	27,926.9	0.0	0.0	475.0
Environmental Protection Agency	76,594.6	54,086.3	22,508.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Library of Congress	1,616.9	1,616.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	5,785,116.6	2,882,903.6	2,797,175.6	179.6	10,189.3	23,460.7	1,509.5	9,613.6	1,933.8	58,150.8
Tennessee Valley Authority	2,311.0	0.0	2,311.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

FFRDC = federally funded research and development center.

^a Intramural activities cover costs associated with the administration of intramural R&D programs and extramural R&D procurements by federal personnel as well as actual intramural performance.**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.