

TABLE 12

**Preliminary federal obligations for research and experimental development and for R&D plant to federally funded research and development centers, by agency: FY 2021**

(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	13,592,916.5	4,564,149.1	5,236,725.2	3,792,042.2	1,632,873.5	30,521.9	809,760.0	792,591.6
Departments								
Department of Commerce	34,966.7	0.0	13,762.2	21,204.5	0.0	0.0	0.0	0.0
National Institute of Standards and Technology	21,204.5	0.0	0.0	21,204.5	0.0	0.0	0.0	0.0
National Oceanic and Atmospheric Administration	13,762.2	0.0	13,762.2	0.0	0.0	0.0	0.0	0.0
Department of Defense	1,863,343.3	517,780.1	366,868.7	978,694.4	0.0	0.0	0.0	0.0
Defense Advanced Research Projects Agency	109,393.0	37,586.8	38,562.4	33,243.7	0.0	0.0	0.0	0.0
Defense Health Agency	4,239.1	0.0	0.0	4,239.1	0.0	0.0	0.0	0.0
Department of the Air Force	370,584.0	222,859.3	23,198.5	124,526.2	0.0	0.0	0.0	0.0
Department of the Army	290,837.4	2,576.6	27,863.9	260,397.0	0.0	0.0	0.0	0.0
Department of the Navy	182,928.1	36,112.3	36,505.3	110,310.5	0.0	0.0	0.0	0.0
U.S. Space Force	249,630.5	5,139.7	34,765.1	209,725.8	0.0	0.0	0.0	0.0
Other defense agencies	655,731.2	213,505.5	205,973.6	236,252.1	0.0	0.0	0.0	0.0
Department of Energy	8,198,274.6	3,159,836.9	2,543,495.2	2,494,942.5	1,629,498.5	30,521.9	806,385.0	792,591.6
Advanced Research Projects Agency–Energy	62,647.7	17,930.4	15,558.9	29,158.5	0.0	0.0	0.0	0.0
Electricity Delivery and Energy Reliability	96,258.5	31,190.1	13,397.1	51,671.3	0.0	0.0	0.0	0.0
Energy Efficiency and Renewable Energy	852,446.6	132,055.9	161,092.3	559,298.4	38,707.0	0.0	0.0	38,707.0
Environmental Management	9,046.4	6,199.6	1,518.3	1,328.5	0.0	0.0	0.0	0.0
Fossil Energy	46,791.5	18,814.4	11,036.8	16,940.3	0.0	0.0	0.0	0.0
National Nuclear Security Administration	2,655,240.0	2,542,400.8	16,171.6	96,667.6	29,200.0	29,200.0	0.0	0.0
Defense Programs	2,333,171.5	2,331,821.5	100.0	1,250.0	29,200.0	29,200.0	0.0	0.0
Naval Nuclear Propulsion Program	980.0	890.0	0.0	90.0	0.0	0.0	0.0	0.0
Office of Defense Nuclear Nonproliferation	321,088.5	209,689.3	16,071.6	95,327.6	0.0	0.0	0.0	0.0
Nuclear Energy	272,958.0	173,095.0	28,673.0	71,190.0	0.0	0.0	0.0	0.0

TABLE 12

**Preliminary federal obligations for research and experimental development and for R&D plant to federally funded research and development centers, by agency: FY 2021**

(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
Office of Science	4,202,886.0	238,150.8	2,296,047.3	1,668,687.9	1,561,591.5	1,321.9	806,385.0	753,884.6
Department of Health and Human Services	898,097.4	843,196.7	19,857.3	35,043.4	0.0	0.0	0.0	0.0
National Institutes of Health	898,097.4	843,196.7	19,857.3	35,043.4	0.0	0.0	0.0	0.0
Department of Homeland Security	58,147.4	20,732.6	656.4	36,758.4	0.0	0.0	0.0	0.0
Countering Weapons of Mass Destruction Office	9,009.4	5,947.1	656.4	2,405.9	0.0	0.0	0.0	0.0
Cybersecurity and Infrastructure Security Agency	8,638.0	2,285.5	0.0	6,352.5	0.0	0.0	0.0	0.0
Science and Technology Directorate	40,500.0	12,500.0	0.0	28,000.0	0.0	0.0	0.0	0.0
Department of the Interior	1,036.1	0.0	500.0	536.1	0.0	0.0	0.0	0.0
Bureau of Reclamation	500.0	0.0	500.0	0.0	0.0	0.0	0.0	0.0
Bureau of Safety and Environmental Enforcement	536.1	0.0	0.0	536.1	0.0	0.0	0.0	0.0
Department of Transportation	93,225.0	0.0	1,622.1	91,603.0	0.0	0.0	0.0	0.0
Federal Aviation Administration	88,901.8	0.0	0.0	88,901.8	0.0	0.0	0.0	0.0
Federal Highway Administration	2,248.0	0.0	1,622.1	625.9	0.0	0.0	0.0	0.0
Federal Motor Carrier Safety Administration	1,026.1	0.0	0.0	1,026.1	0.0	0.0	0.0	0.0
National Highway Traffic Safety Administration	1,049.2	0.0	0.0	1,049.2	0.0	0.0	0.0	0.0
Department of the Treasury	8,425.0	75.0	0.0	8,350.0	0.0	0.0	0.0	0.0
Bureau of Engraving and Printing	8,350.0	0.0	0.0	8,350.0	0.0	0.0	0.0	0.0
U.S. Mint	75.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0
Department of Veterans Affairs	68,346.7	0.0	0.0	68,346.7	0.0	0.0	0.0	0.0
Other agencies								
Administrative Office of the U.S. Courts	6,404.3	0.0	0.0	6,404.3	0.0	0.0	0.0	0.0
National Aeronautics and Space Administration	2,064,986.1	10,483.0	2,022,266.9	32,236.3	3,375.0	0.0	3,375.0	0.0

TABLE 12

**Preliminary federal obligations for research and experimental development and for R&D plant to federally funded research and development centers, by agency: FY 2021**

(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
National Science Foundation	269,291.0	0.0	264,513.3	4,777.7	0.0	0.0	0.0	0.0
Nuclear Regulatory Commission	28,372.8	12,044.8	3,183.2	13,144.8	0.0	0.0	0.0	0.0

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. FYs 2021 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.