

TABLE 18

Federal obligations to federally funded research and development centers by sponsoring agency, by type of R&D and R&D plant: FY 2021

(Dollars in thousands)

FFRDC	Total R&D and R&D plant	Type of R&D			R&D plant	
		Total R&D	Basic research	Applied research		Experimental development
All agencies sponsoring FFRDCs	16,810,510	14,791,390	5,804,862	4,723,897	4,262,632	2,019,120
Departments						
Department of Commerce	33,501	33,501	0	19,914	13,586	0
National Cybersecurity Center of Excellence	33,501	33,501	0	19,914	13,586	0
Department of Defense	2,915,444	2,915,444	62,281	934,610	1,918,553	0
Aerospace FFRDC	552,436	552,436	21,549	12,146	518,740	0
Arroyo Center	2,710	2,710	0	0	2,710	0
Center for Communications and Computing	57,748	57,748	0	0	57,748	0
Center for Naval Analyses	53,281	53,281	1,534	2,195	49,552	0
Lincoln Laboratory	975,858	975,858	5,416	681,913	288,528	0
NSEC—Bedford, MA	890,187	890,187	12,012	40,965	837,210	0
NSEC—McLean, VA	59,155	59,155	2,428	12,841	43,886	0
National Defense Research Institute	18,107	18,107	7,077	0	11,031	0
Project Air Force	51,416	51,416	1,052	43,086	7,278	0
Software Engineering Institute	64,146	64,146	8,117	17,450	38,579	0
Systems and Analyses Center	190,401	190,401	3,096	124,014	63,291	0
Department of Energy	10,571,447	8,554,345	4,082,614	3,266,255	1,205,475	2,017,103
Ames Laboratory	34,763	30,513	26,485	3,037	991	4,250
Argonne National Laboratory	852,060	660,504	516,929	102,867	40,709	191,555
Brookhaven National Laboratory	632,858	513,814	500,330	8,141	5,343	119,044
Fermi National Accelerator Laboratory	609,898	297,623	296,873	0	750	312,274
Idaho National Laboratory	271,856	270,623	9,143	200,786	60,694	1,233
Lawrence Berkeley National Laboratory	962,723	831,585	711,424	76,772	43,389	131,138
Lawrence Livermore National Laboratory	1,347,806	1,142,047	92,199	882,918	166,929	205,760
Los Alamos National Laboratory	1,048,296	942,044	144,529	674,229	123,286	106,251
National Renewable Energy Laboratory	499,381	457,685	24,247	275,725	157,713	41,696
Oak Ridge National Laboratory	1,778,289	1,169,440	823,040	197,908	148,492	608,849
Pacific Northwest National Laboratory	515,172	485,925	236,629	158,696	90,600	29,247
Princeton Plasma Physics Laboratory	141,371	126,515	125,397	667	451	14,856
SLAC National Accelerator Laboratory	532,478	334,039	318,323	11,053	4,664	198,439
Sandia National Laboratories	1,072,372	1,036,941	112,824	611,687	312,430	35,431
Savannah River National Laboratory	71,489	69,359	8,568	23,495	37,296	2,129
Thomas Jefferson National Accelerator Facility	200,637	185,688	135,674	38,275	11,739	14,949
Department of Health and Human Services	686,855	686,855	348,754	322,313	15,788	0
CMS Alliance to Modernize Healthcare	13,819	13,819	7,186	6,633	0	0
Frederick National Laboratory for Cancer Research	673,036	673,036	341,568	315,680	15,788	0
Department of Homeland Security	39,749	39,749	0	17,840	21,909	0
Homeland Security Operational Analysis Center	6,346	6,346	0	0	6,346	0
Homeland Security Systems Engineering and Development Institute	33,404	33,404	0	17,840	15,564	0
Department of Justice	4,362	4,362	0	4,362	0	0
Judiciary Engineering and Modernization Center	4,362	4,362	0	4,362	0	0

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		Total R&D	Basic research	Applied research	Experimental development	
Department of Transportation	101,961	101,961	0	3,731	98,230	0
Center for Advanced Aviation System Development	101,961	101,961	0	3,731	98,230	0
Departments of Treasury and Veterans Affairs, and the Social Security Administration	127,526	127,526	756	1,566	125,204	0
Center for Enterprise Modernization	127,526	127,526	756	1,566	125,204	0
Other agencies						
National Aeronautics and Space Administration	2,009,617	2,007,599	1,016,162	143,899	847,539	2,017
Jet Propulsion Laboratory	2,009,617	2,007,599	1,016,162	143,899	847,539	2,017
National Science Foundation	297,129	297,129	294,295	946	1,889	0
Green Bank Observatory	8,900	8,900	8,900	0	0	0
NSF's National Optical-Infrared Astronomy Research Laboratory	60,317	60,317	60,317	0	0	0
National Center for Atmospheric Research	106,662	106,662	104,654	384	1,624	0
National Radio Astronomy Observatory	98,205	98,205	98,205	0	0	0
National Solar Observatory	22,188	22,188	22,188	0	0	0
Science and Technology Policy Institute	857	857	*	561	265	0
Nuclear Regulatory Commission	22,918	22,918	0	8,461	14,457	0
Center for Nuclear Waste Regulatory Analyses	22,918	22,918	0	8,461	14,457	0

* = amount greater than \$0 but less than \$50,000.

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. FY 2021 obligations include additional funding provided by supplemental COVID-19 pandemic-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 2021–22.