

TABLE 18

**Federal obligations to federally funded research and development centers, by sponsoring agency, type of R&D, and R&D plant: FY 2022**

(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	18,817,912	15,380,951	6,730,777	4,402,075	4,248,099	3,436,961
Departments						
Department of Commerce	16,866	16,866	0	13,058	3,808	0
National Cybersecurity Center of Excellence	16,866	16,866	0	13,058	3,808	0
Department of Defense	2,700,177	2,649,396	153,125	642,850	1,853,421	50,781
Aerospace FFRDC	592,289	592,047	19,375	25,826	546,845	242
Arroyo Center	33,675	33,675	0	0	33,675	0
Center for Communications and Computing	20,910	20,910	557	9,773	10,580	0
Center for Naval Analyses	44,659	44,659	208	1,944	42,507	0
Lincoln Laboratory	1,126,805	1,076,266	127,598	360,880	587,789	50,538
NSEC—Bedford, MA	126,297	126,297	0	3,647	122,650	0
NSEC—McLean, VA	150,384	150,384	366	17,555	132,463	0
National Defense Research Institute	14,774	14,774	1,200	3,092	10,482	0
Project Air Force	50,582	50,582	0	43,092	7,490	0
Software Engineering Institute	283,330	283,330	146	12,946	270,237	0
Systems and Analyses Center	256,470	256,470	3,674	164,093	88,702	0
Department of Energy	12,611,792	9,243,708	4,535,532	3,256,758	1,451,418	3,368,084
Ames Laboratory	64,414	34,996	31,907	2,980	110	29,418
Argonne National Laboratory	902,426	776,723	632,838	79,550	64,334	125,703
Brookhaven National Laboratory	922,670	571,657	553,158	9,791	8,707	351,013
Fermi National Accelerator Laboratory	871,960	320,213	319,351	70	792	551,747
Idaho National Laboratory	845,155	496,903	10,742	372,532	113,628	348,252
Lawrence Berkeley National Laboratory	1,262,014	954,580	802,822	77,778	73,980	307,434
Lawrence Livermore National Laboratory	1,355,912	1,139,545	92,875	899,544	147,126	216,367
Los Alamos National Laboratory	1,000,466	923,009	141,181	647,466	134,361	77,458
National Renewable Energy Laboratory	475,884	427,283	30,459	169,840	226,984	48,601
Oak Ridge National Laboratory	2,094,472	1,281,667	916,947	183,947	180,774	812,805
Pacific Northwest National Laboratory	588,882	559,924	256,444	164,320	139,160	28,958
Princeton Plasma Physics Laboratory	155,825	104,751	104,535	216	0	51,074
SLAC National Accelerator Laboratory	642,366	371,157	363,685	4,965	2,507	271,209
Sandia National Laboratories	1,029,350	990,269	103,915	615,598	270,756	39,081
Savannah River National Laboratory	128,955	123,978	8,964	26,885	88,129	4,977
Thomas Jefferson National Accelerator Facility	271,042	167,054	165,707	1,276	70	103,988
Department of Health and Human Services	671,265	671,265	336,780	334,485	0	0
CMS Alliance to Modernize Healthcare	16,909	16,909	8,488	8,421	0	0
Frederick National Laboratory for Cancer Research	654,356	654,356	328,292	326,065	0	0
Department of Homeland Security	31,991	21,895	10,537	10,553	805	10,096
Homeland Security Operational Analysis Center	13,142	8,066	4,138	3,125	803	5,076
Homeland Security Systems Engineering and Development Institute	18,847	13,827	6,399	7,428	0	5,019
National Biodefense Analysis and Countermeasures Center	2	2	0	0	2	0
Department of Justice	75,756	75,756	0	1,443	74,313	0

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FFRDC	Total R&D and R&D plant	Type of R&D			R&D plant	
		Total R&D	Basic research	Applied research		Experimental development
Judiciary Engineering and Modernization Center	75,756	75,756	0	1,443	74,313	0
Department of Transportation	13,146	13,146	0	0	13,146	0
Center for Advanced Aviation System Development	13,146	13,146	0	0	13,146	0
Departments of Treasury and Veterans Affairs, and the Social Security Administration	50,440	50,440	1,523	3,122	45,795	0
Center for Enterprise Modernization	50,440	50,440	1,523	3,122	45,795	0
Other agencies						
National Aeronautics and Space Administration	2,289,720	2,281,720	1,377,899	126,555	777,266	8,000
Jet Propulsion Laboratory	2,289,720	2,281,720	1,377,899	126,555	777,266	8,000
National Science Foundation	334,246	334,246	315,382	6,019	12,845	*
Green Bank Observatory	15,530	15,530	15,530	0	0	0
NSF's National Optical-Infrared Astronomy Research Laboratory	56,388	56,388	56,388	0	0	*
National Center for Atmospheric Research	116,625	116,625	109,159	5,557	1,909	0
National Radio Astronomy Observatory	102,712	102,712	102,712	0	0	0
National Solar Observatory	26,715	26,715	26,545	0	170	0
Science and Technology Policy Institute	16,277	16,277	5,049	461	10,767	0
Nuclear Regulatory Commission	22,513	22,513	0	7,232	15,281	0
Center for Nuclear Waste Regulatory Analyses	22,513	22,513	0	7,232	15,281	0

\* = amount greater than \$0 but less than \$500.

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 2022 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 2022–23.