

TABLE 4

**R&D expenditures at federally funded research and development centers, by source of funds and FFRDC: FY 2023**

(Dollars in thousands)

FFRDC	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	All other sources
All FFRDCs	29,316,897	28,880,018	35,407	224,361	42,292	134,819
University-administered FFRDCs	8,179,862	8,010,234	16,149	74,776	12,430	66,273
Ames Laboratory	40,638	40,091	65	462	0	20
Argonne National Laboratory	1,234,635	1,205,264	652	21,824	491	6,404
Fermi National Accelerator Laboratory	402,122	400,573	0	673	53	823
Green Bank Observatory	12,326	11,909	0	45	14	358
Jet Propulsion Laboratory	2,671,305	2,671,305	0	0	0	0
Lawrence Berkeley National Laboratory	1,190,504	1,131,175	10,428	23,119	5,995	19,787
Lincoln Laboratory	1,265,060	1,234,615	176	14,596	543	15,130
National Center for Atmospheric Research	210,233	184,647	2,932	8,704	3,378	10,572
National Radio Astronomy Observatory	102,863	102,104	0	295	370	94
National Solar Observatory	39,856	39,719	0	0	0	137
NSF's National Optical-Infrared Astronomy Research Laboratory (NSF's NOIRLab)	94,257	92,841	0	0	0	1,416
Princeton Plasma Physics Laboratory	131,042	127,260	0	352	0	3,430
SLAC National Accelerator Laboratory	483,193	469,601	244	4,264	1,572	7,512
Software Engineering Institute	130,141	130,141	0	0	0	0
Thomas Jefferson National Accelerator Facility	171,687	168,989	1,652	442	14	590
Nonprofit-administered FFRDCs	10,052,536	9,879,651	18,428	93,455	29,210	31,792
Aerospace Federally Funded Research and Development Center	1,259,428	1,251,725	0	5,066	0	2,637
Arroyo Center	42,433	42,433	0	0	0	0
Brookhaven National Laboratory	691,417	678,623	4,277	6,529	93	1,895
Center for Advanced Aviation System Development	186,163	166,246	2,311	3,210	1,642	12,754
Center for Communications and Computing	77,391	77,391	0	0	0	0
Center for Enterprise Modernization	258,155	258,155	0	0	0	0
Center for Naval Analyses	96,103	96,103	0	0	0	0
Center for Nuclear Waste Regulatory Analyses	4,405	3,467	12	802	0	124
CMS Alliance to Modernize Healthcare	281,709	281,709	0	0	0	0
Homeland Security Operational Analysis Center	66,264	66,264	0	0	0	0
Homeland Security Systems Engineering and Development Institute	217,908	216,456	264	365	490	333
Idaho National Laboratory	653,100	642,971	1,169	6,293	254	2,413
National Biodefense Analysis and Countermeasures Center	41,321	41,321	0	0	0	0
National Cybersecurity Center of Excellence	23,010	23,010	0	0	0	0
National Defense Research Institute	67,157	67,157	0	0	0	0
National Renewable Energy Laboratory	718,852	648,671	5,050	49,546	15,585	0
National Security Engineering Center	1,370,949	1,367,998	0	531	0	2,420
Oak Ridge National Laboratory	2,019,259	2,000,646	424	9,172	2,658	6,359
Pacific Northwest National Laboratory	1,449,496	1,424,969	4,921	8,723	8,488	2,395
Project Air Force	48,729	48,729	0	0	0	0
Savannah River National Laboratory	244,736	241,518	0	3,218	0	0
Science and Technology Policy Institute	9,977	9,977	0	0	0	0
Systems and Analyses Center	224,574	224,112	0	0	0	462
Industry-administered FFRDCs	11,084,499	10,990,133	830	56,130	652	36,754
Frederick National Laboratory for Cancer Research	929,754	929,754	0	0	0	0
Lawrence Livermore National Laboratory	2,110,938	2,079,762	148	12,693	652	17,683
Los Alamos National Laboratory	3,768,323	3,742,718	0	25,605	0	0
Sandia National Laboratories	4,275,484	4,237,899	682	17,832	0	19,071

FFRDC = federally funded research and development center; NSF = National Science Foundation.

**Source(s):**

National Center for Science and Engineering Statistics, FFRDC Research and Development Survey, FY 2023.