

TABLE 4

R&D expenditures at federally funded research and development centers, by source of funds and FFRDC: FY 2021

(Dollars in thousands)

FFRDC	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	All other sources
All FFRDCs	24,921,476	24,509,691	43,774	195,954	49,016	123,041
University-administered FFRDCs	6,850,276	6,700,555	16,003	61,027	20,075	52,616
Ames Laboratory	34,214	34,016	15	183	0	0
Argonne National Laboratory	856,568	832,400	109	19,241	246	4,572
Fermi National Accelerator Laboratory	319,051	317,812	0	472	547	220
Green Bank Observatory	8,629	8,629	0	0	0	0
Jet Propulsion Laboratory	2,388,355	2,388,355	0	0	0	0
Lawrence Berkeley National Laboratory	966,972	910,428	10,372	25,431	5,093	15,648
Lincoln Laboratory	1,136,133	1,110,465	0	3,170	0	22,498
National Center for Atmospheric Research	181,010	161,163	1,178	7,340	11,329	0
National Radio Astronomy Observatory	94,202	93,313	0	260	374	255
National Solar Observatory	17,684	17,680	0	0	0	4
NSF's National Optical-Infrared Astronomy Research Laboratory (NSF's NOIRLab)	75,251	73,393	0	0	0	1,858
Princeton Plasma Physics Laboratory	115,505	113,591	0	341	0	1,573
SLAC National Accelerator Laboratory	396,780	382,252	2,183	4,011	2,440	5,894
Software Engineering Institute	120,443	120,443	0	0	0	0
Thomas Jefferson National Accelerator Facility	139,479	136,615	2,146	578	46	94
Nonprofit-administered FFRDCs	8,370,508	8,215,876	25,413	71,285	28,131	29,803
Aerospace Federally Funded Research and Development Center	1,128,241	1,121,569	0	5,294	0	1,378
Arroyo Center	38,304	38,304	0	0	0	0
Brookhaven National Laboratory	637,658	620,000	7,673	6,663	539	2,783
Center for Advanced Aviation System Development	230,484	207,828	0	4,416	2,968	15,272
Center for Communications and Computing	65,255	65,255	0	0	0	0
Center for Enterprise Modernization	263,661	263,661	0	0	0	0
Center for Naval Analyses	96,391	96,391	0	0	0	0
Center for Nuclear Waste Regulatory Analyses	5,630	5,233	50	222	8	117
CMS Alliance to Modernize Healthcare	348,269	348,269	0	0	0	0
Homeland Security Operational Analysis Center	34,888	34,888	0	0	0	0
Homeland Security Systems Engineering and Development Institute	183,588	182,413	155	9	794	217
Judiciary Engineering and Modernization Center	5,493	5,493	0	0	0	0
National Biodefense Analysis and Countermeasures Center	44,968	44,968	0	0	0	0
National Cybersecurity Center of Excellence	33,671	33,671	0	0	0	0
National Defense Research Institute	66,170	66,170	0	0	0	0
National Renewable Energy Laboratory	559,151	497,047	7,172	40,437	14,495	0
National Security Engineering Center	1,468,298	1,463,965	0	0	1,398	2,935
Oak Ridge National Laboratory	1,760,578	1,746,756	512	7,894	1,310	4,106
Pacific Northwest National Laboratory	1,168,268	1,142,925	9,851	6,350	6,619	2,523
Project Air Force	47,966	47,966	0	0	0	0
Science and Technology Policy Institute	9,784	9,784	0	0	0	0
Systems and Analyses Center	173,792	173,320	0	0	0	472
Industry-administered FFRDCs	9,700,692	9,593,260	2,358	63,642	810	40,622
Frederick National Laboratory for Cancer Research	861,605	861,605	0	0	0	0
Idaho National Laboratory	516,691	503,977	490	6,139	139	5,946
Lawrence Livermore National Laboratory	1,613,673	1,580,263	1,245	12,400	671	19,094
Los Alamos National Laboratory	2,974,164	2,950,380	0	23,784	0	0

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Sandia National Laboratories	3,542,756	3,507,607	623	18,944	NA	15,582
Savannah River National Laboratory	191,803	189,428	0	2,375	0	0

NA = not available; data were not provided by institution.

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 2021.