

TABLE 4

R&D expenditures at federally funded research and development centers, by source of funds and FFRDC: FY 2019

(Dollars in thousands)

FFRDC	All R&D expenditures	Federal government	State and local government	Business	Nonprofit organizations	All other sources
All FFRDCs	22,737,500	22,338,855	51,167	180,583	48,238	118,657
University-administered FFRDCs	6,946,262	6,796,696	17,975	53,304	22,556	55,731
Ames Laboratory	33,612	33,211	204	197	0	0
Argonne National Laboratory	810,693	787,513	0	17,093	522	5,565
Fermi National Accelerator Laboratory	334,258	333,460	0	238	36	524
Jet Propulsion Laboratory	2,709,063	2,709,063	0	0	0	0
Lawrence Berkeley National Laboratory	872,237	807,967	12,919	25,574	8,666	17,111
Lincoln Laboratory	1,103,870	1,084,953	0	2,055	0	16,862
National Center for Atmospheric Research	199,476	187,615	1,108	3,575	7,178	0
National Radio Astronomy Observatory	101,901	99,881	0	229	330	1,461
National Solar Observatory	15,931	15,892	0	0	0	39
NSF's National Optical-Infrared Astronomy Research Laboratory (NSF's NOIRLab)	38,262	28,760	0	0	0	9,502
Princeton Plasma Physics Laboratory	91,271	91,119	0	151	0	1
SLAC National Accelerator Laboratory	368,938	352,527	2,329	3,617	5,824	4,641
Software Engineering Institute	140,954	140,940	0	14	0	0
Thomas Jefferson National Accelerator Facility	125,796	123,795	1,415	561	0	25
Nonprofit-administered FFRDCs	7,033,162	6,891,730	31,738	54,010	25,107	30,577
Aerospace Federally Funded Research and Development Center	1,065,989	1,062,804	0	2,974	0	211
Arroyo Center	37,956	37,956	0	0	0	0
Brookhaven National Laboratory	590,470	561,030	20,463	4,952	459	3,566
Center for Advanced Aviation System Development	174,123	152,539	100	4,951	808	15,725
Center for Communications and Computing	68,371	68,371	0	0	0	0
Center for Enterprise Modernization	174,712	173,127	913	0	216	456
Center for Naval Analyses	96,697	96,697	0	0	0	0
Center for Nuclear Waste Regulatory Analyses	6,987	6,340	17	336	171	123
CMS Alliance to Modernize Healthcare	213,369	213,369	0	0	0	0
Homeland Security Operational Analysis Center	54,751	54,751	0	0	0	0
Homeland Security Systems Engineering and Development Institute	115,813	115,813	0	0	0	0
Judiciary Engineering and Modernization Center	7,331	7,331	0	0	0	0
National Biodefense Analysis and Countermeasures Center	39,003	39,003	0	0	0	0
National Cybersecurity Center of Excellence	22,205	22,205	0	0	0	0
National Defense Research Institute	67,647	67,647	0	0	0	0
National Renewable Energy Laboratory	455,016	405,923	7,202	27,207	14,684	0
National Security Engineering Center	1,124,861	1,123,616	0	0	5	1,240
Oak Ridge National Laboratory	1,470,372	1,454,122	0	6,770	2,444	7,036
Pacific Northwest National Laboratory	1,012,136	993,733	3,043	6,820	6,320	2,220
Project Air Force	48,325	48,325	0	0	0	0
Science and Technology Policy Institute	9,080	9,080	0	0	0	0
Systems and Analyses Center	177,948	177,948	0	0	0	0
Industry-administered FFRDCs	8,758,076	8,650,429	1,454	73,269	575	32,349
Frederick National Laboratory for Cancer Research	751,452	751,452	0	0	0	0
Idaho National Laboratory	478,324	463,588	510	6,724	245	7,257
Lawrence Livermore National Laboratory	1,517,429	1,480,978	671	24,361	330	11,089
Los Alamos National Laboratory	2,461,275	2,440,514	0	20,761	0	0
Sandia National Laboratories	3,373,217	3,340,658	273	18,612	NA	13,674
Savannah River National Laboratory	176,379	173,239	0	2,811	0	329

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 2019.