

TABLE 5

Federally financed R&D expenditures at federally funded research and development centers, by federal agency and FFRDC: FY 2021

(Dollars in thousands)

FFRDC	All federal R&D expenditures	DOD	DOE	HHS	DHS	DOT	NASA	NSF	Other
All FFRDCs	24,509,691	5,459,887	12,983,595	1,300,799	538,975	250,334	2,629,810	315,920	1,030,371
University-administered FFRDCs	6,700,555	1,132,607	2,587,693	38,095	84,437	34,884	2,448,098	307,909	66,832
Ames Laboratory	34,016	0	33,919	0	0	0	0	0	97
Argonne National Laboratory	832,400	28,310	746,382	5,550	25,883	5,181	400	2,420	18,274
Fermi National Accelerator Laboratory	317,812	57	317,755	0	0	0	0	0	0
Green Bank Observatory	8,629	0	0	0	0	0	0	8,629	0
Jet Propulsion Laboratory	2,388,355	0	0	0	0	0	2,388,355	0	0
Lawrence Berkeley National Laboratory	910,428	14,845	860,091	24,463	738	573	4,166	0	5,552
Lincoln Laboratory	1,110,465	999,818	3,121	0	23,677	23,548	38,680	0	21,621
National Center for Atmospheric Research	161,163	5,841	3,665	232	0	5,357	12,627	120,193	13,248
National Radio Astronomy Observatory	93,313	540	0	0	0	0	347	92,425	1
National Solar Observatory	17,680	35	0	0	0	0	1,032	16,613	0
NSF's National Optical-Infrared Astronomy Research Laboratory (NSF's NOIRLab)	73,393	16	5,304	0	0	0	779	67,294	0
Princeton Plasma Physics Laboratory	113,591	77	112,975	0	0	0	440	99	0
SLAC National Accelerator Laboratory	382,252	3,049	366,771	6,741	1,609	0	785	236	3,061
Software Engineering Institute	120,443	80,019	1,095	1,109	32,530	225	487	0	4,978
Thomas Jefferson National Accelerator Facility	136,615	0	136,615	0	0	0	0	0	0
Nonprofit-administered FFRDCs	8,215,876	2,948,125	3,428,488	383,901	358,749	213,850	122,770	7,971	752,022
Aerospace Federally Funded Research and Development Center	1,121,569	983,248	14,972	0	1,922	1,018	80,019	153	40,237
Arroyo Center	38,304	38,304	0	0	0	0	0	0	0
Brookhaven National Laboratory	620,000	1,259	590,230	3,431	1,189	0	8,600	77	15,214
Center for Advanced Aviation System Development	207,828	0	0	0	0	207,518	125	0	185
Center for Communications and Computing	65,255	65,255	0	0	0	0	0	0	0
Center for Enterprise Modernization	263,661	0	150	0	0	0	651	0	262,860
Center for Naval Analyses	96,391	96,391	0	0	0	0	0	0	0
Center for Nuclear Waste Regulatory Analyses	5,233	54	391	0	0	80	38	0	4,670
CMS Alliance to Modernize Healthcare	348,269	0	0	348,269	0	0	0	0	0
Homeland Security Operational Analysis Center	34,888	0	0	0	34,888	0	0	0	0
Homeland Security Systems Engineering and Development Institute	182,413	0	0	0	182,413	0	0	0	0
Judiciary Engineering and Modernization Center	5,493	0	0	0	0	0	0	0	5,493
National Biodefense Analysis and Countermeasures Center	44,968	487	0	1,146	30,305	0	0	0	13,030

TABLE 5

Federally financed R&D expenditures at federally funded research and development centers, by federal agency and FFRDC: FY 2021

(Dollars in thousands)

FFRDC	All federal R&D expenditures	DOD	DOE	HHS	DHS	DOT	NASA	NSF	Other
National Cybersecurity Center of Excellence	33,671	0	0	0	0	0	0	0	33,671
National Defense Research Institute	66,170	64,452	0	0	0	0	0	0	1,718
National Renewable Energy Laboratory	497,047	17,333	463,952	0	2,147	917	285	0	12,413
National Security Engineering Center	1,463,965	1,238,466	0	0	0	0	42	0	225,457
Oak Ridge National Laboratory	1,746,756	68,364	1,509,726	7,092	11,087	4,317	31,100	0	115,070
Pacific Northwest National Laboratory	1,142,925	170,244	848,956	22,567	83,872	0	1,612	815	14,859
Project Air Force	47,966	47,966	0	0	0	0	0	0	0
Science and Technology Policy Institute	9,784	780	33	1,396	23	0	223	6,926	403
Systems and Analyses Center	173,320	155,522	78	0	10,903	0	75	0	6,742
Industry-administered FFRDCs	9,593,260	1,379,155	6,967,414	878,803	95,789	1,600	58,942	40	211,517
Frederick National Laboratory for Cancer Research	861,605	164	0	861,420	0	0	0	0	21
Idaho National Laboratory	503,977	79,649	391,056	0	13,210	416	3,293	0	16,353
Lawrence Livermore National Laboratory	1,580,263	279,178	1,262,813	7,445	21,909	0	1,989	0	6,929
Los Alamos National Laboratory	2,950,380	80,032	2,724,200	8,249	5,294	0	52,996	40	79,569
Sandia National Laboratories	3,507,607	917,136	2,424,747	1,689	53,568	1,184	664	0	108,619
Savannah River National Laboratory	189,428	22,996	164,598	0	1,808	0	0	0	26

DHS = Department of Homeland Security; DOD = Department of Defense; DOE = Department of Energy; DOT = Department of Transportation; FFRDC = federally funded research and development center; HHS = Department of Health and Human Services; NASA = National Aeronautics and Space Administration; NSF = National Science Foundation.

Source(s):

National Center for Science and Engineering Statistics, FFRDC Research and Development Survey, FY 2021.