

TABLE 6

Total and federally financed R&D expenditures at federally funded research and development centers, by type of R&D and FFRDC: FY 2022

(Dollars in thousands)

FFRDC	Sponsor	Location	Total				Federally financed			
			All R&D expenditures	Basic research	Applied research	Experimental development	All R&D expenditures	Basic research	Applied research	Experimental development
All FFRDCs	-	-	26,524,014	5,273,184	10,839,112	10,411,718	25,962,005	5,187,725	10,509,907	10,264,373
University-administered FFRDCs	-	-	7,165,067	2,600,343	1,928,032	2,636,692	7,015,547	2,541,206	1,872,830	2,601,511
Ames Laboratory	DOE	Ames, IA	38,520	18,565	19,251	704	38,032	18,565	19,164	303
Argonne National Laboratory	DOE	Argonne, IL	962,973	184,625	432,551	345,797	934,724	184,625	406,940	343,159
Fermi National Accelerator Laboratory	DOE	Batavia, IL	330,294	329,134	1,160	0	329,131	328,318	813	0
Green Bank Observatory	NSF	Green Bank, WV	10,752	10,045	229	478	10,384	10,032	85	267
Jet Propulsion Laboratory	NASA	Pasadena, CA	2,417,556	241,756	241,756	1,934,044	2,417,556	241,756	241,756	1,934,044
Lawrence Berkeley National Laboratory	DOE	Berkeley, CA	1,031,716	863,154	139,904	28,658	971,554	821,346	125,981	24,227
Lincoln Laboratory	DOD, OSD	Lexington, MA	1,142,615	9,189	1,026,448	106,978	1,119,338	9,189	1,026,448	83,701
National Center for Atmospheric Research	NSF	Boulder, CO	188,238	52,487	33,476	102,275	171,310	48,355	24,406	98,549
National Radio Astronomy Observatory	NSF	Charlottesville, VA	92,476	84,768	327	7,381	91,913	84,767	230	6,916
National Solar Observatory	NSF	Boulder, CO	33,849	33,849	0	0	33,800	33,800	0	0
NSF's National Optical-Infrared Astronomy Research Laboratory (NSF's NOIRLab)	NSF	Tucson, AZ	81,505	81,505	0	0	79,193	79,193	0	0
Princeton Plasma Physics Laboratory	DOE	Princeton, NJ	120,347	119,315	1,000	32	119,828	118,840	988	0
SLAC National Accelerator Laboratory	DOE	Menlo Park, CA	432,078	411,454	20,624	0	419,094	404,381	14,713	0
Software Engineering Institute	DOD, OSD	Pittsburgh, PA	129,316	7,665	11,306	110,345	129,316	7,665	11,306	110,345
Thomas Jefferson National Accelerator Facility	DOE	Newport News, VA	152,832	152,832	0	0	150,374	150,374	0	0
Nonprofit-administered FFRDCs	-	-	9,171,826	1,813,356	2,860,956	4,497,514	8,998,910	1,806,701	2,782,288	4,409,921
Aerospace Federally Funded Research and Development Center	DOD, Air Force	El Segundo, CA	1,152,833	26,598	113,602	1,012,633	1,147,041	26,309	108,099	1,012,633
Arroyo Center	DOD, Army	Santa Monica, CA	40,856	0	40,856	0	40,856	0	40,856	0
Brookhaven National Laboratory	DOE	Upton, NY	655,988	487,906	93,114	74,968	639,527	487,169	89,556	62,802
Center for Advanced Aviation System Development	DOT, FAA	McLean, VA	189,490	0	8,037	181,453	164,992	0	6,906	158,086
Center for Communications and Computing	DOD, NSA/CSS	Alexandria, VA	74,759	18,690	37,379	18,690	74,759	18,690	37,379	18,690
Center for Enterprise Modernization	Treasury/IRS, VA, SSA, DOC	McLean, VA	235,436	0	12,539	222,897	235,317	0	12,532	222,785
Center for Naval Analyses	DOD, Navy	Arlington, VA	93,567	0	93,567	0	93,567	0	93,567	0
Center for Nuclear Waste Regulatory Analyses	NRC	San Antonio, TX	4,323	0	4,323	0	3,595	0	3,595	0
CMS Alliance to Modernize Healthcare	HHS, CMS	Baltimore, MD	286,693	0	6,498	280,195	286,693	0	6,498	280,195
Homeland Security Operational Analysis Center	DHS, S&T	Pentagon City, VA	52,984	0	52,984	0	52,984	0	52,984	0
Homeland Security Systems Engineering and Development Institute	DHS, S&T	McLean, VA	183,261	0	4,373	178,888	181,702	0	4,330	177,372
Idaho National Laboratory	DOE	Idaho Falls, ID	637,579	38,255	337,917	261,407	630,446	37,827	334,137	258,482
National Biodefense Analysis and Countermeasures Center	DHS, S&T	Frederick, MD	45,870	0	45,870	0	45,869	0	45,869	0
National Cybersecurity Center of Excellence	NIST	Rockville, MD	27,955	0	638	27,317	27,955	0	638	27,317
National Defense Research Institute	DOD, OSD	Santa Monica, CA	61,097	0	61,097	0	61,097	0	61,097	0

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National Renewable Energy Laboratory	DOE	Golden, CO	603,356	53,668	335,179	214,509	536,683	53,668	295,176	187,839
National Security Engineering Center	DOD,OSD	Bedford, MA/ McLean, VA	1,286,520	0	77,841	1,208,679	1,282,762	0	77,627	1,205,135
Oak Ridge National Laboratory	DOE	Oak Ridge, TN	1,803,543	947,470	856,073	0	1,789,100	947,470	841,630	0
Pacific Northwest National Laboratory	DOE	Richland, WA	1,294,614	231,637	329,294	733,683	1,266,328	226,576	322,099	717,653
Project Air Force	DOD, Air Force	Santa Monica, CA	46,517	0	46,517	0	46,517	0	46,517	0
Savannah River National Laboratory	DOE	Aiken, SC	182,654	9,132	91,327	82,195	179,848	8,992	89,924	80,932
Science and Technology Policy Institute	NSF	Washington, DC	10,593	0	10,593	0	10,593	0	10,593	0
Systems and Analyses Center	DOD, OSD	Alexandria, VA	201,338	0	201,338	0	200,679	0	200,679	0
Industry-administered FFRDCs	-	-	10,187,121	859,485	6,050,124	3,277,512	9,947,548	839,818	5,854,789	3,252,941
Frederick National Laboratory for Cancer Research	HHS, NIH	Frederick, MD	904,182	182,039	417,884	304,259	904,182	182,039	417,884	304,259
Lawrence Livermore National Laboratory	DOE	Livermore, CA	1,659,808	107,902	1,194,957	356,949	1,633,185	102,767	1,173,469	356,949
Los Alamos National Laboratory	DOE	Los Alamos, NM	3,811,602	304,928	3,468,557	38,117	3,629,955	290,396	3,303,259	36,300
Sandia National Laboratories	DOE	Albuquerque, NM	3,811,529	264,616	968,726	2,578,187	3,780,226	264,616	960,177	2,555,433

CMS = Centers for Medicare and Medicaid Services; DHS = Department of Homeland Security; DOC = Department of Commerce; DOD = Department of Defense; DOE = Department of Energy; DOT = Department of Transportation; FAA = Federal Aviation Administration; FFRDC = federally funded research and development center; HHS = Department of Health and Human Services; IRS = Internal Revenue Service; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NIST = National Institute of Science and Technology; NRC = Nuclear Regulatory Commission; NSA/CSS = National Security Agency/Central Security Service; NSF = National Science Foundation; OSD = Office of the Secretary of Defense; S&T = Science and Technology Directorate; SSA = Social Security Administration; VA = Department of Veterans Affairs.

Source(s):

National Center for Science and Engineering Statistics, FFRDC Research and Development Survey, FY 2022.