

TABLE 8. Total and federally financed R&D expenditures at federally funded research and development centers, by FFRDC: FYs 2009–12
(Dollars in thousands)

FFRDC	Total				Federally financed			
	2009	2010	2011 ^a	2012	2009	2010	2011	2012
All FFRDCs	16,390,111	18,044,105	17,808,614	17,446,036	15,942,851	17,590,588	17,385,466	17,006,331
University-administered FFRDCs	4,958,944	5,329,620	5,270,323	5,174,091	4,811,485	5,178,035	5,132,389	5,028,368
Ames Lab.	29,012	30,836	32,442	33,853	29,012	30,289	31,471	32,884
Argonne National Lab.	543,169	650,504	710,435	679,387	498,847	603,841	663,194	625,502
Fermi National Accelerator Lab.	376,791	402,658	420,119	412,438	374,668	402,150	419,583	411,248
Jet Propulsion Lab.	1,711,528	1,640,341	1,543,969	1,493,613	1,711,528	1,640,341	1,543,969	1,493,613
Lawrence Berkeley National Lab.	611,711	759,381	788,386	767,554	555,842	703,564	732,920	710,822
Lincoln Lab.	706,555	789,502	822,358	873,104	704,050	785,774	819,664	871,380
National Astronomy and Ionosphere Ctr. ^b	14,738	13,203	14,317	na	14,032	13,084	13,635	na
National Ctr. for Atmospheric Research	203,627	220,328	198,231	169,743	177,877	188,960	182,310	151,752
National Optical Astronomy Observatories	56,972	57,145	47,889	46,557	52,089	52,920	42,730	42,298
National Radio Astronomy Observatory	151,396	137,607	81,305	79,168	149,960	136,748	80,401	78,562
Princeton Plasma Physics Lab.	81,113	83,932	84,863	81,389	80,985	83,521	84,352	79,316
SLAC National Accelerator Lab.	294,421	354,393	327,716	329,747	294,421	350,377	320,941	324,698
Software Engineering Institute	89,077	99,334	107,837	113,371	80,618	96,595	107,348	112,583
Thomas Jefferson National Accelerator Facility	88,834	90,456	90,456	94,167	87,556	89,871	89,871	93,710
Nonprofit-administered FFRDCs	4,997,292	5,431,352	5,533,083	5,464,141	4,845,821	5,276,747	5,383,525	5,307,421
Aerospace FFRDC	41,470	44,149	45,827	39,746	14,386	12,962	13,511	1,351
Arroyo Ctr.	27,692	28,647	32,180	31,278	27,692	28,647	32,180	31,278
Brookhaven National Lab.	569,240	535,546	526,571	516,921	545,267	515,142	504,491	489,496
Ctr. for Advanced Aviation System Development	133,869	149,686	165,645	159,311	127,037	142,498	155,254	150,274
Ctr. for Communications and Computing	66,293	71,927	72,600	62,600	66,293	71,927	72,600	62,600
Ctr. for Enterprise Modernization ^{c, d}	181,958	170,460	187,785	226,539	181,958	170,460	187,785	226,539
Ctr. for Naval Analyses	109,694	109,068	85,165	91,628	95,128	93,310	84,562	91,628
Ctr. for Nuclear Waste Regulatory Analyses	16,614	15,346	16,377	13,147	15,715	14,860	15,871	12,465
Homeland Security Studies and Analysis Institute ^e	32,173	33,402	36,870	30,213	32,173	33,402	36,870	30,213
Homeland Security Systems Engineering and Development Institute ^{c, e}	3,387	58,715	85,154	77,159	3,387	58,715	85,154	77,159
National Biodefense Analysis and Countermeasures Ctr.	19,934	50,058	41,786	31,201	19,934	50,058	41,786	31,201
National Defense Research Institute	42,265	51,652	46,330	53,832	42,265	51,652	46,330	53,832
National Renewable Energy Lab.	273,640	326,652	386,539	398,873	264,828	315,568	370,538	379,950
National Security Engineering Ctr. ^{c, f}	939,312	925,027	941,187	946,737	939,312	925,027	941,187	946,737
Oak Ridge National Lab.	1,259,259	1,538,412	1,558,073	1,553,460	1,217,301	1,494,690	1,513,958	1,511,725
Pacific Northwest National Lab.	1,064,230	1,116,648	1,095,923	1,033,768	1,036,883	1,091,872	1,072,377	1,013,245
Project Air Force	45,162	43,957	44,171	41,031	45,162	43,957	44,171	41,031
Science and Technology Policy Institute Studies and Analyses Ctr.	5,100	6,000	8,700	7,547	5,100	6,000	8,700	7,547
	166,000	156,000	156,200	149,150	166,000	156,000	156,200	149,150
Industry-administered FFRDCs	6,433,875	7,283,133	7,005,208	6,807,804	6,285,545	7,135,806	6,869,552	6,670,542
Frederick National Lab. for Cancer Research ^g	378,200	643,935	431,600	430,100	378,200	643,935	431,600	430,100
ID National Lab.	388,062	478,356	425,072	536,399	372,502	463,843	415,020	525,734
Judiciary Engineering and Modernization Ctr. ^h	na	na	4,650	5,309	na	na	4,650	5,309
Lawrence Livermore National Lab.	1,321,633	1,370,747	1,424,993	1,353,454	1,261,769	1,323,623	1,380,177	1,301,188

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FFRDC	Total				Federally financed			
	2009	2010	2011 ^a	2012	2009	2010	2011	2012
Los Alamos National Lab.	2,172,179	2,505,913	2,307,197	2,056,878	2,141,950	2,470,421	2,266,539	2,013,692
Sandia National Labs.	2,043,509	2,157,022	2,277,166	2,293,307	2,000,832	2,106,824	2,237,036	2,262,162
Savannah River National Lab.	130,292	127,160	134,530	132,357	130,292	127,160	134,530	132,357

na = not applicable.

FFRDC = federally funded research and development center.

^a R&D expenditures decreased in FY 2011 due to removal of expenditures for capital projects. In this survey, R&D expenditures do not include capital projects. In previous years, some FFRDCs included capital expenditures in their R&D totals. Previous years include an unknown amount of capital expenditures, estimated to be less than \$500 million per year.

^b On 1 October 2011, National Astronomy and Ionosphere Center was decertified as a FFRDC.

^c See "Data Anomalies" in the technical notes for changes in reporting.

^d Prior to FY 2009, Center for Enterprise Modernization was listed as Internal Revenue Service (IRS) FFRDC.

^e On 5 March 2009, Homeland Security Studies and Analysis Institute and Homeland Security Systems Engineering and Development Institute were created. These new FFRDCs replaced Homeland Security Institute.

^f Prior to FY 2011, National Security Engineering Center was listed as C3I FFRDC.

^g Prior to FY 2012, Frederick National Laboratory for Cancer Research was listed as National Cancer Institute at Frederick.

^h On 2 September 2010, the Judiciary Engineering and Modernization Center was created.

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, FFRDC Research and Development Survey.