

TABLE 7. Total and federally financed R&D expenditures at federally funded research and development centers, by FFRDC: FY 2008–11
(Dollars in thousands)

FFRDC	Total				Federally financed			
	2008	2009	2010	2011 ^a	2008	2009	2010	2011
All FFRDCs	15,616,390	16,390,111	18,044,105	17,808,443	15,177,347	15,942,851	17,590,588	17,385,295
University-administered FFRDCs	4,701,645	4,958,944	5,329,620	5,270,323	4,550,332	4,811,485	5,178,035	5,132,389
Ames Lab.	27,306	29,012	30,836	32,442	27,306	29,012	30,289	31,471
Argonne National Lab.	533,530	543,169	650,504	710,435	487,641	498,847	603,841	663,194
Fermi National Accelerator Lab.	340,486	376,791	402,658	420,119	336,123	374,668	402,150	419,583
Jet Propulsion Lab.	1,733,597	1,711,528	1,640,341	1,543,969	1,733,597	1,711,528	1,640,341	1,543,969
Lawrence Berkeley National Lab.	573,917	611,711	759,381	788,386	519,756	555,842	703,564	732,920
Lincoln Lab.	641,386	706,555	789,502	822,358	637,879	704,050	785,774	819,664
National Astronomy and Ionosphere Ctr.	12,586	14,738	13,203	14,317	12,418	14,032	13,084	13,635
National Ctr. for Atmospheric Research	161,130	203,627	220,328	198,231	139,667	177,877	188,960	182,310
National Optical Astronomy Observatories	55,922	56,972	57,145	47,889	50,165	52,089	52,920	42,730
National Radio Astronomy Observatory	146,098	151,396	137,607	81,305	145,953	149,960	136,748	80,401
Princeton Plasma Physics Lab.	78,154	81,113	83,932	84,863	78,039	80,985	83,521	84,352
SLAC National Accelerator Lab.	234,316	294,421	354,393	327,716	234,316	294,421	350,377	320,941
Software Engineering Institute	80,963	89,077	99,334	107,837	66,721	80,618	96,595	107,348
Thomas Jefferson National Accelerator Facility	82,254	88,834	90,456	90,456	80,751	87,556	89,871	89,871
Nonprofit-administered FFRDCs	4,598,410	4,997,292	5,431,352	5,532,912	4,451,195	4,845,821	5,276,747	5,383,354
Aerospace FFRDC	38,940	41,470	44,149	45,827	16,349	14,386	12,962	13,511
Arroyo Ctr.	23,852	27,692	28,647	32,180	23,852	27,692	28,647	32,180
Brookhaven National Lab.	480,455	569,240	535,546	526,571	459,348	545,267	515,142	504,491
Ctr. for Advanced Aviation System Development ^b	126,171	133,869	149,686	165,645	117,978	127,037	142,498	155,254
Ctr. for Communications and Computing	59,500	66,293	71,927	72,600	59,500	66,293	71,927	72,600
Ctr. for Enterprise Modernization ^{b,c}	166,894	181,958	170,460	187,785	166,894	181,958	170,460	187,785
Ctr. for Naval Analyses	106,967	109,694	109,068	85,165	94,552	95,128	93,310	84,562
Ctr. for Nuclear Waste Regulatory Analyses	17,960	16,614	15,346	16,377	17,169	15,715	14,860	15,871
Homeland Security Institute ^d	27,400	na	na	na	27,400	na	na	na
Homeland Security Studies and Analysis Institute ^d	na	32,173	33,402	36,699	na	32,173	33,402	36,699
Homeland Security Systems Engineering and Development Institute ^{b,d}	na	3,387	58,715	85,154	na	3,387	58,715	85,154
National Biodefense Analysis and Countermeasures Ctr.	12,979	19,934	50,058	41,786	12,979	19,934	50,058	41,786
National Defense Research Institute	40,051	42,265	51,652	46,330	40,051	42,265	51,652	46,330
National Renewable Energy Lab.	229,399	273,640	326,652	386,539	219,296	264,828	315,568	370,538
National Security Engineering Ctr. ^{b,e}	936,228	939,312	925,027	941,187	936,228	939,312	925,027	941,187
Oak Ridge National Lab.	1,251,336	1,259,259	1,538,412	1,558,073	1,205,784	1,217,301	1,494,690	1,513,958
Pacific Northwest National Lab.	885,984	1,064,230	1,116,648	1,095,923	859,521	1,036,883	1,091,872	1,072,377
Project Air Force	41,794	45,162	43,957	44,171	41,794	45,162	43,957	44,171
Science and Technology Policy Institute	6,000	5,100	6,000	8,700	6,000	5,100	6,000	8,700
Studies and Analyses Ctr.	146,500	166,000	156,000	156,200	146,500	166,000	156,000	156,200
Industry-administered FFRDCs	6,316,335	6,433,875	7,283,133	7,005,208	6,175,820	6,285,545	7,135,806	6,869,552
ID National Lab.	236,037	388,062	478,356	425,072	224,273	372,502	463,843	415,020
Judiciary Engineering and Modernization Ctr. ^f	na	na	na	4,650	na	na	na	4,650
Lawrence Livermore National Lab.	1,301,874	1,321,633	1,370,747	1,424,993	1,248,594	1,261,769	1,323,623	1,380,177
Los Alamos National Lab.	2,073,538	2,172,179	2,505,913	2,307,197	2,051,550	2,141,950	2,470,421	2,266,539

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(Dollars in thousands)

FFRDC	Total				Federally financed			
	2008	2009	2010	2011 ^a	2008	2009	2010	2011
National Cancer Institute at Frederick	509,700	378,200	643,935	431,600	509,700	378,200	643,935	431,600
Sandia National Labs.	2,076,786	2,043,509	2,157,022	2,277,166	2,023,303	2,000,832	2,106,824	2,237,036
Savannah River National Lab.	118,400	130,292	127,160	134,530	118,400	130,292	127,160	134,530

na = not applicable.

FFRDC = federally funded research and development center.

^a R&D expenditures decreased slightly in FY 2011 due to removal of expenditures for capital projects. For the purposes of this survey, capital projects are not included in the definition of R&D expenditures. In previous years some FFRDCs had been including capital expenditures in their R&D totals. Corrections were made for FY 2011 that lowered total expenditures by \$468 million. Previous years include an unknown amount of capital expenditures, estimated to be less than \$500 million per year.

^b See Appendix A, Technical Notes, for changes in reporting.

^c In prior-year tables Center for Enterprise Modernization was listed as Internal Revenue Service (IRS) FFRDC.

^d 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.

^e In prior-year tables National Security Engineering Center was listed as C3I FFRDC.

^f On 2 September 2010 Judiciary Engineering and Modernization Center was created.

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