

TABLE 5. Total and federally financed R&D expenditures at federally funded research and development centers, by character of work and FFRDC:
FY 2011

(Dollars in thousands)

FFRDC	Total				Federally financed			
	All R&D expenditures	Basic research	Applied research	Development	All R&D expenditures	Basic research	Applied research	Development
All FFRDCs	17,808,443	6,567,716	5,165,561	6,075,166	17,385,295	6,423,347	4,971,833	5,990,115
University-administered FFRDCs	5,270,323	2,230,323	1,295,813	1,744,187	5,132,389	2,144,029	1,265,097	1,723,263
Ames Lab.	32,442	22,375	9,326	741	31,471	21,831	9,080	560
Argonne National Lab.	710,435	313,482	194,101	202,852	663,194	290,360	183,674	189,160
Fermi National Accelerator Lab.	420,119	420,119	0	0	419,583	419,583	0	0
Jet Propulsion Lab.	1,543,969	154,397	154,397	1,235,175	1,543,969	154,397	154,397	1,235,175
Lawrence Berkeley National Lab.	788,386	573,606	214,242	538	732,920	534,586	197,796	538
Lincoln Lab.	822,358	124	672,015	150,219	819,664	124	672,015	147,525
National Astronomy and Ionosphere Ctr. National Ctr. for Atmospheric Research	14,317	13,635	0	682	13,635	13,635	0	0
National Optical Astronomy Observatories	198,231	103,681	33,770	60,780	182,310	94,534	30,173	57,603
National Radio Astronomy Observatory	47,889	47,889	0	0	42,730	42,730	0	0
Princeton Plasma Physics Lab.	81,305	77,989	0	3,316	80,401	77,085	0	3,316
SLAC National Accelerator Lab.	84,863	84,854	0	9	84,352	84,352	0	0
Software Engineering Institute	327,716	327,716	0	0	320,941	320,941	0	0
Thomas Jefferson National Accelerator Facility	107,837	0	17,962	89,875	107,348	0	17,962	89,386
90,456	90,456	0	0	89,871	89,871	0	0	
Nonprofit-administered FFRDCs	5,532,912	1,588,759	1,657,196	2,286,957	5,383,354	1,575,033	1,552,305	2,256,016
Aerospace FFRDC	45,827	2,292	41,243	2,292	13,511	676	12,159	676
Arroyo Ctr.	32,180	0	32,180	0	32,180	0	32,180	0
Brookhaven National Lab. Ctr. for Advanced Aviation System Development	526,571	407,694	54,426	64,451	504,491	401,070	43,386	60,035
165,645	0	8,223	157,422	155,254	0	7,860	147,394	
Ctr. for Communications and Computing	72,600	18,150	36,300	18,150	72,600	18,150	36,300	18,150
Ctr. for Enterprise Modernization ^a	187,785	0	10,657	177,128	187,785	0	10,657	177,128
Ctr. for Naval Analyses ^b	85,165	0	85,165	0	84,562	0	84,562	0
Ctr. for Nuclear Waste Regulatory Analyses	16,377	0	16,377	0	15,871	0	15,871	0
Homeland Security Studies and Analysis Institute ^c	36,699	0	36,699	0	36,699	0	36,699	0
Homeland Security Systems Engineering and Development Institute ^c	85,154	0	2,006	83,148	85,154	0	2,006	83,148
National Biodefense Analysis and Countermeasures Ctr.	41,786	0	41,786	0	41,786	0	41,786	0
National Defense Research Institute	46,330	0	46,330	0	46,330	0	46,330	0
National Renewable Energy Lab.	386,539	22,490	92,500	271,549	370,538	22,490	76,569	271,479
National Security Engineering Ctr. ^d	941,187	0	48,979	892,208	941,187	0	48,979	892,208
Oak Ridge National Lab.	1,558,073	901,495	656,578	0	1,513,958	901,495	612,463	0
Pacific Northwest National Lab.	1,095,923	236,638	238,676	620,609	1,072,377	231,152	235,427	605,798
Project Air Force	44,171	0	44,171	0	44,171	0	44,171	0
Science and Technology Policy Institute	8,700	0	8,700	0	8,700	0	8,700	0
Studies and Analyses Ctr.	156,200	0	156,200	0	156,200	0	156,200	0
Industry-administered FFRDCs	7,005,208	2,748,634	2,212,552	2,044,022	6,869,552	2,704,285	2,154,431	2,010,836
ID National Lab.	425,072	44,632	193,833	186,607	415,020	43,577	189,249	182,194

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FFRDC	Total				Federally financed			
	All R&D expenditures	Basic research	Applied research	Development	All R&D expenditures	Basic research	Applied research	Development
Judiciary Engineering and Modernization Center	4,650	0	265	4,385	4,650	0	265	4,385
Lawrence Livermore National Lab.	1,424,993	202,094	969,180	253,719	1,380,177	199,458	927,000	253,719
Los Alamos National Lab.	2,307,197	2,307,197	0	0	2,266,539	2,266,539	0	0
National Cancer Institute at Frederick	431,600	56,000	375,600	0	431,600	56,000	375,600	0
Sandia National Labs.	2,277,166	131,985	606,409	1,538,772	2,237,036	131,985	595,052	1,509,999
Savannah River National Lab.	134,530	6,726	67,265	60,539	134,530	6,726	67,265	60,539

FFRDC = federally funded research and development center.

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

^b Character of work distribution not provided by the Center for Naval Analyses (CNA). To correct for nonresponse, NSF allocated all expenditures to applied research based on a review of CNA's publicly available research portfolio.

^c 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.

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

SOURCE: National Science Foundation/National Center for Science and Engineering Statistics, FFRDC Research and Development Survey, FY 2011.