

TABLE 5. Total and federally financed R&D expenditures at federally funded research and development centers, by character of work and FFRDC: FY 2012
(Dollars in thousands)

FFRDC	Sponsor	Location	Total				Federally financed			
			All R&D expenditures	Basic research	Applied research	Development	All R&D expenditures	Basic research	Applied research	Development
All FFRDCs			17,446,036	6,139,311	5,361,496	5,945,229	17,006,331	5,998,392	5,162,235	5,845,704
University-administered FFRDCs			5,174,091	2,160,167	1,385,899	1,628,025	5,028,368	2,080,587	1,345,540	1,602,241
Ames Lab.	DOE	Ames, IA	33,853	23,915	8,669	1,269	32,884	23,402	8,474	1,008
Argonne National Lab.	DOE	Argonne, IL	679,387	304,973	184,041	190,373	625,502	281,096	170,595	173,811
Fermi National Accelerator Lab.	DOE	Batavia, IL	412,438	412,438	0	0	411,248	411,248	0	0
Jet Propulsion Lab.	NASA	Pasadena, CA	1,493,613	149,361	149,361	1,194,891	1,493,613	149,361	149,361	1,194,891
Lawrence Berkeley National Lab.	DOE	Berkeley, CA	767,554	562,670	204,337	547	710,822	526,010	184,265	547
Lincoln Lab.	DOD, OSD	Lexington, MA	873,104	91	791,702	81,311	871,380	91	791,702	79,587
National Ctr. for Atmospheric Research	NSF	Boulder, CO	169,743	83,394	27,781	58,568	151,752	78,303	21,135	52,314
National Optical Astronomy Observatories	NSF	Tucson, AZ	46,557	46,557	0	0	42,298	42,298	0	0
National Radio Astronomy Observatory	NSF	Charlottesville, VA	79,168	71,465	5,046	2,657	78,562	71,054	5,046	2,462
Princeton Plasma Physics Lab.	DOE	Princeton, NJ	81,389	81,389	0	0	79,316	79,316	0	0
SLAC National Accelerator Lab.	DOE	Stanford, CA	329,747	329,747	0	0	324,698	324,698	0	0
Software Engineering Institute	DOD, OSD	Pittsburgh, PA	113,371	0	14,962	98,409	112,583	0	14,962	97,621
Thomas Jefferson National Accelerator Facility	DOE	Newport News, VA	94,167	94,167	0	0	93,710	93,710	0	0
Nonprofit-administered FFRDCs			5,464,141	1,532,883	1,589,076	2,342,182	5,307,421	1,518,182	1,494,566	2,294,673
Aerospace FFRDC	DOD, Air Force	El Segundo, CA	39,746	2,650	30,386	6,710	1,351	958	123	270
Arroyo Ctr.	DOD, Army	Santa Monica, CA	31,278	0	31,278	0	31,278	0	31,278	0
Brookhaven National Lab.	DOE	Upton, NY	516,921	402,153	51,605	63,163	489,496	393,926	37,893	57,677
Ctr. for Advanced Aviation System Development	DOT, FAA	McLean, VA	159,311	0	8,204	151,107	150,274	0	7,890	142,384
Ctr. for Communications and Computing	DOD, NSA/CSS	Alexandria, VA	62,600	15,650	31,300	15,650	62,600	15,650	31,300	15,650
Ctr. for Enterprise Modernization ^a	Treasury (IRS), VA	McLean, VA	226,539	0	12,409	214,130	226,539	0	12,409	214,130
Ctr. for Naval Analyses	DOD, Navy	Alexandria, VA	91,628	0	91,628	0	91,628	0	91,628	0
Ctr. for Nuclear Waste Regulatory Analyses Homeland Security Studies and Analysis Institute ^b	NRC	San Antonio, TX	13,147	0	13,147	0	12,465	0	12,465	0
Homeland Security Systems Engineering and Development Institute ^b	DHS	Arlington, VA	30,213	0	30,213	0	30,213	0	30,213	0
Homeland Security Systems Engineering and Development Institute ^b	DHS	McLean, VA	77,159	0	1,828	75,331	77,159	0	1,828	75,331
National Biodefense Analysis and Countermeasures Ctr.	DHS	Frederick, MD	31,201	0	31,201	0	31,201	0	31,201	0
National Defense Research Institute	DOD, OSD	Santa Monica, CA	53,832	0	53,832	0	53,832	0	53,832	0
National Renewable Energy Lab.	DOE	Golden, CO	398,873	16,974	77,567	304,332	379,950	16,974	72,595	290,381
National Security Engineering Ctr. ^c	DOD, OSD	Bedford, MA/McLean, VA	946,737	0	49,667	897,070	946,737	0	49,667	897,070
Oak Ridge National Lab.	DOE	Oak Ridge, TN	1,553,460	864,267	689,193	0	1,511,725	864,267	647,458	0
Pacific Northwest National Lab.	DOE	Richland, WA	1,033,768	231,189	187,890	614,689	1,013,245	226,407	185,058	601,780
Project Air Force	DOD, Air Force	Santa Monica, CA	41,031	0	41,031	0	41,031	0	41,031	0
Science and Technology Policy Institute Studies and Analyses Ctr.	NSF	Washington, DC	7,547	0	7,547	0	7,547	0	7,547	0
	DOD, OSD	Alexandria, VA	149,150	0	149,150	0	149,150	0	149,150	0
Industry-administered FFRDCs			6,807,804	2,446,261	2,386,521	1,975,022	6,670,542	2,399,623	2,322,129	1,948,790

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Frederick National Lab. for Cancer Research ^d	NIH	Frederick, MD	430,100	47,700	382,400	0	430,100	47,700	382,400	0
ID National Lab.	DOE	Idaho Falls, ID	536,399	32,184	273,563	230,652	525,734	31,544	268,124	226,066
Judiciary Engineering and Modernization Ctr.	U.S. Courts	McLean, VA	5,309	0	295	5,014	5,309	0	295	5,014
Lawrence Livermore National Lab.	DOE	Livermore, CA	1,353,454	167,151	1,005,345	180,958	1,301,188	164,339	955,891	180,958
Los Alamos National Lab.	DOE	Los Alamos, NM	2,056,878	2,056,878	0	0	2,013,692	2,013,692	0	0
Sandia National Labs.	DOE	Albuquerque, NM	2,293,307	135,730	658,740	1,498,837	2,262,162	135,730	649,241	1,477,191
Savannah River National Lab.	DOE	Aiken, SC	132,357	6,618	66,178	59,561	132,357	6,618	66,178	59,561

DOD = Department of Defense; DOE = Department of Energy; DHS = Department of Homeland Security; DOT = Department of Transportation; FAA = Federal Aviation Administration; FFRDC = federally funded research and development center; IRS = Internal Revenue Service; NASA = National Aeronautics and Space Administration; NIH = National Institutes of Health; NRC = Nuclear Regulatory Commission; NSA/CSS = National Security Agency/Central Security Service; NSF = National Science Foundation; OSD = Office of the Secretary of Defense; VA = Department of Veterans Affairs.

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

^b 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.

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

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

SOURCE: National Science Foundation, National Center for Science and Engineering Statistics, FFRDC Research and Development Survey, FY 2012.