TABLE 48. Federal obligations for applied research in engineering, by agency and detailed field: FY 2004 (Dollars in thousands)

Agency			Astronautical engineering	Chemical engineering	Civil engineering	Electrical engineering		Metallurgy and materials engineering	Engineering, nec
	Total	Aeronautical engineering					Mechanical engineering		
Departments									
Department of Agriculture	35,757	0	0	3,511	4,130	418	2,777	0	24,921
Agricultural Research Service	4,051	0	0	2,026	630	360	450	0	585
Cooperative State Research, Education, and									
Extension Service	8,172	0	0	0	0	0	0	0	8,172
Forest Service	23,534	0	0	1,485	3,500	58	2,327	0	16,164
Department of Commerce	168,658	0	0	4,296	27,802	59,331	3,866	38,458	34,905
National Institute of Standards and Technology National Oceanic and Atmospheric	156,342	0	0	4,296	24,100	50,881	3,866	38,458	34,741
Administration	5,974	0	0	0	3,702	2,108	0	0	164
National Telecommunications and Information									
Administration	6,342	0	0	0	0	6,342	0	0	0
Department of Defense	2,354,229	371,421	107,565	27,634	35,027	565,829	190,499	273,344	782,910
Defense agencies and activities	667,726	43,809	0	2,942	1,466	167,435	12,219	104,851	335,004
Defense Advanced Research Projects Agency	451,270	43,809	0	1,476	0	153,210	10,750	104,851	137,174
Defense Threat Reduction Agency	167,329	0	0	0	0	12,759	0	0	154,570
Special Operations Command	12,276	0	0	0	0	0	0	0	12,276
Washington Headquarters Services	36,851	0	0	1,466	1,466	1,466	1,469	0	30,984
Department of the Air Force	642,538	239,397	100,174	4,014	8,079	86,100	27,031	72,209	105,534
Materiel Command	642,538	239,397	100,174	4,014	8,079	86,100	27,031	72,209	105,534
Department of the Army	545,450	55,498	0	20,678	25,482	175,643	121,011	48,114	99,024
Department of the Navy	498,515	32,717	7,391	0	0	136,651	30,238	48,170	243,348
Department of Education	14,142	0	0	0	0	0	0	0	14,142
Department of Energy	1,490,255	800	0	175,408	49,996	32,323	283	81,216	1,150,229
Bonneville Power Administration	497	0	0	0	497	0	0	0	0
Civilian Radioactive Waste Management	10,389	0	0	0	0	0	0	0	10,389
Energy Efficiency and Renewable Energy	244,300	0	0	0	48,494	32,198	283	318	163,007
Fossil Energy	175,982	0	0	174,977	1,005	0	0	0	0
National Nuclear Security Administration	989,673	800	0	431	0	125	0	80,898	907,419
Defense Programs	966,693	0	0	0	0	0	0	80,527	886,166
Nonproliferation and Verification	22,980	800	0	431	0	125	0	371	21,253
Nuclear Energy	69,414	0	0	0	0	0	0	0	69,414

TABLE 48. Federal obligations for applied research in engineering, by agency and detailed field: FY 2004 (Dollars in thousands)

			Astronautical	Chemical	Civil	Electrical	Mechanical	Metallurgy and materials	Engineering,
		Aeronautical							
Agency	Total	engineering	engineering	engineering	engineering	engineering	engineering	engineering	nec
Department of Health and Human Services	388,743	0	0	0	0	0	0	0	388,743
Agency for Healthcare Research and Quality	32	0	0	0	0	0	0	0	32
National Institutes of Health	388,711	0	0	0	0	0	0	0	388,711
Department of Homeland Security	62,847	19,559	0	708	1,234	3,457	2,696	932	34,261
Science and Technology Directorate	28,338	15,694	0	708	962	767	690	360	9,157
Transportation Security Administration	31,847	3,865	0	0	0	1,439	1,439	0	25,104
U.S. Coast Guard	2,662	0	0	0	272	1,251	567	572	0
Department of Housing and Urban Development	2,894	0	0	0	0	0	0	0	2,894
Department of the Interior	12,762	0	0	2,271	7,445	1,033	433	285	1,295
Bureau of Reclamation	3,151	0	0	867	1,315	306	433	230	0
Geological Survey	4,603	0	0	0	3,876	727	0	0	0
Minerals Management Service	5,008	0	0	1,404	2,254	0	0	55	1,295
Department of Transportation	252,813	0	0	614	135,114	0	1,627	46,727	68,731
Federal Aviation Administration	53,409	0	0	0	8,198	0	0	45,211	0
Federal Highway Administration	168,996	0	0	0	126,916	0	94	696	41,290
Federal Railroad Administration	24,311	0	0	0	0	0	0	0	24,311
National Highway Traffic Safety Administration	4,333	0	0	0	0	0	1,533	0	2,800
Pipeline and Hazardous Materials Safety									
Administration	1,764	0	0	614	0	0	0	820	330
Department of Veterans Affairs	6,277	0	0	0	0	0	0	0	6,277
Other agencies									
Broadcasting Board of Governors	1,001	0	0	0	0	0	0	0	1,001
Environmental Protection Agency	79,765	0	0	22,832	2,827	264	691	356	52,795
Federal Communications Commission	1,205	0	0	0	0	1,205	0	0	0
National Aeronautics and Space Administration	1,490,846	944,831	490,247	408	26	13,063	8,733	3,045	30,493
National Science Foundation	160,376	0	0	12,510	11,086	14,394	687	821	120,878
Nuclear Regulatory Commission	72,094	0	0	0	0	0	0	0	72,094

nec = not elsewhere classified.

NOTES: Data for only those agencies and subdivisions that had obligations in variables represented by this table appear in table. See appendix C for additional notes associated with agencies listed in this table.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FY 2004, 2005, and 2006.