

TABLE C-6. Preliminary Federal obligations for research and development, by agency and character of work: FY 2003  
(Dollars in thousands)

Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
All agencies	95,755,849	25,599,941	26,968,563	43,187,345	NA	NA
Departments						
Department of Agriculture	2,061,550	979,305	942,973	139,272	NA	NA
Agricultural Marketing Service	5,397	0	4,591	806	NA	NA
Agricultural Research Service	1,069,249	588,087	384,930	96,232	NA	NA
Cooperative State Research, Ed., and Extension Service	648,051	278,143	369,908	0	NA	NA
Economic Research Service	68,674	6,867	61,807	0	NA	NA
Foreign Agricultural Service	1,600	912	688	0	NA	NA
Forest Service	253,000	103,730	113,850	35,420	NA	NA
Grain Inspection Packers and Stockyards Administration	6,814	0	0	6,814	NA	NA
National Agricultural Statistics Service	4,761	1,566	3,195	0	NA	NA
Rural Business-Cooperative Service	4,004	0	4,004	0	NA	NA
Department of Commerce	1,157,417	78,537	943,472	135,408	NA	NA
Bureau of the Census	16,242	2,142	2,426	11,674	NA	NA
Economic Development Administration	550	275	275	0	NA	NA
National Institute of Standards and Technology	487,704	63,292	325,470	98,942	NA	NA
National Oceanic and Atmospheric Administration	643,702	12,828	609,861	21,013	NA	NA
National Telecommunications and Information Administration	9,219	0	5,440	3,779	NA	NA
Department of Defense	42,500,268	1,890,731	4,623,094	35,986,443	6,389,566	29,596,877
Defense Agencies	13,108,980	916,209	1,823,829	10,368,942	2,921,494	7,447,448
Ballistic Missile Defense Organization	6,580,423	0	0	6,580,423	204,257	6,376,166
Chemical and Biological Defense	429,694	53,396	205,336	170,962	92,516	78,446
Defense Advanced Research Projects Agency	2,635,684	179,081	1,157,948	1,298,655	1,185,754	112,901
Defense Information Systems Agency	252,867	0	0	252,867	0	252,867
Defense Logistics Agency	175,567	0	22,888	152,679	147,662	5,017
Defense Threat Reduction Agency	479,161	0	297,254	181,907	181,907	0
Joint Staff	99,305	0	0	99,305	99,305	0
Special Operations Command	436,037	0	27,232	408,805	171,698	237,107
TRICARE Management Activity <sup>1</sup>	479,855	358,138	0	121,717	0	121,717
Washington Headquarters Services	1,540,387	325,594	113,171	1,101,622	838,395	263,227
Department of the Air Force	8,113,068	360,762	1,143,969	6,608,337	1,492,566	5,115,771
Air Force, Materials Command	5,640,910	315,362	1,132,842	4,192,706	554,703	3,638,003
Air Force, Space Command	2,472,158	45,400	11,127	2,415,631	937,863	1,477,768
Department of the Army	7,228,521	220,581	848,287	6,159,653	NA	NA
Department of the Army, Civil Functions <sup>2</sup>	46,550	2,793	24,206	19,551	NA	NA
Department of the Army, Military Functions	7,181,971	217,788	824,081	6,140,102	1,052,658	5,087,444
Department of the Navy	13,822,043	393,179	807,009	12,621,855	894,742	11,727,113
Operational Test and Evaluation, Director	227,656	0	0	227,656	8,555	219,101
Department of Education	302,896	5,494	195,018	102,384	NA	NA

See explanatory information, if any, and SOURCE at end of table.

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Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Department of Energy	7,554,063	2,590,457	2,730,477	2,233,129	NA	NA
Energy Efficiency and Renewable Energy	786,416	59,536	250,365	476,515	NA	NA
Fossil Energy	643,334	10,473	245,888	386,973	NA	NA
National Nuclear Security Administration	3,384,254	9,107	2,072,683	1,302,464	NA	NA
Defense Programs	2,569,081	0	2,003,149	565,932	NA	NA
Fissile Materials Disposition	20,071	0	0	20,071	NA	NA
Naval Reactors	648,910	0	0	648,910	NA	NA
Nonproliferation and Verification	146,192	9,107	69,534	67,551	NA	NA
Office of Science	2,511,026	2,508,063	2,963	0	NA	NA
Other Department of Energy programs	229,033	3,278	158,578	67,177	NA	NA
Bonneville Power Administration	23,345	3,278	11,407	8,660	NA	NA
Civilian Radioactive Waste Management	62,479	0	62,479	0	NA	NA
Environmental Management	76,144	0	30,458	45,686	NA	NA
Nuclear Energy	63,034	0	54,234	8,800	NA	NA
Office of Intelligence	4,031	0	0	4,031	NA	NA
Department of Health and Human Services	27,096,188	14,152,873	12,165,119	778,196	NA	NA
Administration for Children and Families	23,782	0	23,782	0	NA	NA
Agency for Healthcare Research and Quality	303,695	0	279,399	24,296	NA	NA
Centers for Disease Control and Prevention	564,000	0	564,000	0	NA	NA
Centers for Medicare and Medicaid Services	74,194	0	74,194	0	NA	NA
Food and Drug Administration	139,784	0	139,784	0	NA	NA
Health Resources and Services Administration	44,961	2,068	15,212	27,681	NA	NA
National Institutes of Health	25,203,553	14,134,805	11,068,748	0	NA	NA
Office of the Secretary	18,343	16,000	0	2,343	NA	NA
Office of the Assistant Secretary, Planning and Evaluation	16,000	16,000	0	0	NA	NA
Office of Public Health and Science	2,343	0	0	2,343	NA	NA
Substance Abuse and Mental Health Services Administration <sup>3</sup>	723,876	0	0	723,876	NA	NA
Department of Homeland Security	142,565	27,200	47,536	67,829	NA	NA
Animal and Plant Health Inspection Service	29,022	0	0	29,022	NA	NA
Transportation Security Administration	85,000	27,200	40,800	17,000	NA	NA
United States Coast Guard	23,343	0	6,736	16,607	NA	NA
United States Customs Service	5,200	0	0	5,200	NA	NA
Department of Housing and Urban Development	46,954	0	17,491	29,463	NA	NA
Department of the Interior	592,201	40,934	484,468	66,799	NA	NA
Bureau of Reclamation	10,308	0	3,608	6,700	NA	NA
Geological Survey	555,103	40,934	454,070	60,099	NA	NA
Minerals Management Service	26,790	0	26,790	0	NA	NA
Department of Justice	115,700	35,000	16,700	64,000	NA	NA
Bureau of Prisons	9,000	0	3,700	5,300	NA	NA
Federal Bureau of Investigation	42,700	0	0	42,700	NA	NA
Office of Justice Programs	64,000	35,000	13,000	16,000	NA	NA
Department of Labor	170,615	33,497	15,536	121,582	NA	NA
Bureau of Labor Statistics	22,400	13,600	8,800	0	NA	NA
Employment and Training Administration	139,897	19,897	0	120,000	NA	NA
Occupational Safety and Health Administration	3,926	0	3,926	0	NA	NA
Office of the Secretary	1,692	0	792	900	NA	NA
Pension and Welfare Benefits Administration	1,951	0	1,951	0	NA	NA
Pension Benefit Guaranty Corporation	749	0	67	682	NA	NA
Department of State	1,852	0	1,852	0	NA	NA

See explanatory information, if any, and SOURCE at end of table.

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Agency	Total R&D	Basic research	Applied research	Development		
				Total	Advanced technology	Major systems
Department of Transportation	733,283	20,324	409,161	303,798	NA	NA
Federal Aviation Administration	213,265	0	129,472	83,793	NA	NA
Federal Highway Administration	381,565	20,324	181,729	179,512	NA	NA
Federal Motor Carrier Safety Administration	6,196	0	2,964	3,232	NA	NA
Federal Railroad Administration	33,912	0	29,296	4,616	NA	NA
Federal Transit Administration	4,320	0	0	4,320	NA	NA
National Highway Traffic Safety Administration	58,181	0	58,181	0	NA	NA
Office of the Secretary	14,133	0	0	14,133	NA	NA
Research and Special Programs Administration	21,711	0	7,519	14,192	NA	NA
Department of the Treasury	70,556	224	69,475	857	NA	NA
Bureau of Engraving and Printing	7,070	224	6,286	560	NA	NA
Internal Revenue Service	62,050	0	62,050	0	NA	NA
Office of Thrift Supervision	162	0	162	0	NA	NA
United States Mint	297	0	0	297	NA	NA
United States Secret Service	977	0	977	0	NA	NA
Department of Veterans Affairs	353,564	152,375	185,597	15,592	NA	NA
Other agencies						
Agency for International Development	262,045	100	240,770	21,175	NA	NA
Appalachian Regional Commission	686	0	686	0	NA	NA
Broadcasting Board of Governors	243	0	243	0	NA	NA
Environmental Protection Agency	626,964	101,100	354,864	171,000	NA	NA
Federal Communications Commission	6,265	0	6,265	0	NA	NA
Federal Trade Commission	1,554	0	1,554	0	NA	NA
Library of Congress	4,233	0	1,780	2,453	NA	NA
National Aeronautics and Space Administration	8,280,800	2,177,850	3,154,985	2,947,965	NA	NA
National Archives and Records Administration	120	0	120	0	NA	NA
National Science Foundation	3,403,614	3,204,940	198,674	0	NA	NA
Nuclear Regulatory Commission	74,996	0	74,996	0	NA	NA
Smithsonian Institution	109,000	109,000	0	0	NA	NA
Social Security Administration	85,657	0	85,657	0	NA	NA

<sup>1</sup> TRICARE Management Activity oversees delivery of healthcare to active duty and retired members of the uniformed services, their family members, and their survivors.

<sup>2</sup> The Department of the Army, Civil Functions (Corps of Engineers) development activities are appropriated by the Energy and Water Development Act and therefore cannot be categorized according to the advanced technology and major systems development breakdown. For accounting purposes, funds are shown in advanced technology column for Department of Defense.

<sup>3</sup> Data for FYs 2002-2004 from Substance Abuse and Mental Health Services Administration (SAMHSA) are estimates based on SAMHSA's obligations by program activity budget and previously reported funding for development.

NA = Not available (data are not collected in this category for this agency).

NOTES: Data for only those agencies and subdivisions that had obligations in the variables represented by this table appear in the table. For additional notes associated with the agencies listed in this table, refer to appendix B. Beginning with Vol. 44 (FYs 1994-96), Department of Defense development obligations are reported in two categories: advanced technology and major systems.

SOURCE: National Science Foundation/Division of Science Resources Statistics, Survey of Federal Funds for Research and Development: FYs 2002, 2003, and 2004.