

TABLE C-51. Preliminary Federal obligations for development, by agency and performer: FY 2004
(Dollars in thousands)

| Agency | Total | Intra- mural ¹ | Extramural | | | | | | | |
|-----------------------------------------------------------|------------|------------------------------|------------------------------------|-------------------------|--------------------------------------|---------------------------|-----------------------------------------|--------------------------|--------------------------------|---------|
| | | | United States and U.S. territories | | | | | | | Foreign |
| | | | Industry | Indus- try FFRDCs | Univer- sities and colleges | Univer- sity FFRDCs | Other nonprofit insti- tutions | Non- profit FFRDCs | State and local govts | |
| All agencies | 46,982,910 | 10,736,774 | 31,272,963 | 449,085 | 899,417 | 1,598,709 | 1,110,527 | 633,377 | 167,963 | 114,095 |
| Departments | | | | | | | | | | |
| Department of Agriculture | 139,924 | 133,676 | 0 | 0 | 5,400 | 0 | 540 | 0 | 38 | 270 |
| Agricultural Marketing Service | 813 | 813 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Agricultural Research Service | 96,717 | 90,469 | 0 | 0 | 5,400 | 0 | 540 | 0 | 38 | 270 |
| Forest Service | 35,280 | 35,280 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grain Inspection Packers and Stockyards Administration | 7,114 | 7,114 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Department of Commerce | 48,446 | 36,485 | 9,776 | 0 | 1,256 | 0 | 761 | 0 | 168 | 0 |
| Bureau of the Census | 9,322 | 9,322 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| National Institute of Standards and Technology | 19,323 | 11,705 | 6,752 | 0 | 206 | 0 | 660 | 0 | 0 | 0 |
| National Oceanic and Atmospheric Administration | 19,801 | 15,458 | 3,024 | 0 | 1,050 | 0 | 101 | 0 | 168 | 0 |
| Department of Defense | 39,891,422 | 9,163,317 | 29,043,797 | 147,876 | 503,479 | 352,349 | 122,459 | 447,363 | 3,730 | 107,052 |
| Defense Agencies | 11,256,107 | 2,389,351 | 8,105,656 | 115,972 | 235,445 | 236,978 | 28,403 | 100,809 | 0 | 43,493 |
| Ballistic Missile Defense Organization | 7,581,598 | 1,368,976 | 5,907,709 | 73,313 | 57,769 | 127,848 | 4,224 | 26,363 | 0 | 15,396 |
| Chemical and Biological Defense | 180,329 | 104,828 | 74,267 | 0 | 0 | 0 | 0 | 1,234 | 0 | 0 |
| Defense Advanced Research Projects Agency | 1,537,811 | 262,468 | 994,031 | 23,058 | 143,574 | 61,657 | 23,219 | 22,785 | 0 | 7,019 |
| Defense Information Systems Agency | 322,053 | 61,693 | 246,363 | 0 | 1,967 | 0 | 0 | 12,030 | 0 | 0 |
| Defense Logistics Agency | 41,381 | 25,397 | 12,414 | 0 | 1,369 | 0 | 201 | 2,000 | 0 | 0 |
| Defense Threat Reduction Agency | 85,613 | 29,287 | 47,894 | 1,678 | 128 | 6,626 | 0 | 0 | 0 | 0 |
| Joint Staff | 119,115 | 119,115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Operations Command | 423,800 | 145,255 | 275,155 | 0 | 3,390 | 0 | 0 | 0 | 0 | 0 |
| TRICARE Management Activity ² | 74,367 | 17,161 | 57,206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington Headquarters Services | 890,040 | 255,171 | 490,617 | 17,923 | 27,248 | 40,847 | 759 | 36,397 | 0 | 21,078 |
| Department of the Air Force | 7,133,610 | 839,097 | 6,004,989 | 14,909 | 4,562 | 53,335 | 4,818 | 207,977 | 3,665 | 258 |
| Air Force, Materials Command | 4,713,773 | 768,493 | 3,839,088 | 0 | 4,305 | 12,604 | 4,818 | 84,207 | 0 | 258 |
| Air Force, Space Command | 2,419,837 | 70,604 | 2,165,901 | 14,909 | 257 | 40,731 | 0 | 123,770 | 3,665 | 0 |
| Department of the Army | 7,952,243 | 1,826,260 | 5,962,332 | 10,712 | 30,948 | 34,252 | 8,783 | 34,857 | 65 | 44,034 |
| Department of the Navy | 13,268,465 | 4,020,438 | 8,820,926 | 6,283 | 222,060 | 27,689 | 80,455 | 71,347 | 0 | 19,267 |
| Operational Test and Evaluation, Director | 280,997 | 88,171 | 149,894 | 0 | 10,464 | 95 | 0 | 32,373 | 0 | 0 |

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| | | | Industry | Indus- try FFRDCs | Univer- sities and colleges | Univer- sity FFRDCs | Other nonprofit insti- tutions | Non- profit FFRDCs | State and local govts | |
| Department of Defense, advanced technology | 6,034,297 | 1,432,535 | 3,904,222 | 47,232 | 284,642 | 158,810 | 79,272 | 105,013 | 3,665 | 18,906 |
| Defense Agencies | 2,743,016 | 749,001 | 1,584,936 | 42,322 | 176,272 | 111,687 | 24,994 | 36,382 | 0 | 17,422 |
| Ballistic Missile Defense Organization | 232,812 | 66,643 | 156,639 | 0 | 5,065 | 2,810 | 1,015 | 640 | 0 | 0 |
| Chemical and Biological Defense | 87,715 | 40,332 | 47,261 | 0 | 0 | 0 | 0 | 122 | 0 | 0 |
| Defense Advanced Research Projects Agency | 1,424,890 | 217,970 | 925,608 | 23,058 | 143,574 | 61,657 | 23,219 | 22,785 | 0 | 7,019 |
| Defense Logistics Agency | 36,172 | 25,297 | 9,305 | 0 | 1,369 | 0 | 201 | 0 | 0 | 0 |
| Defense Threat Reduction Agency | 85,613 | 29,287 | 47,894 | 1,678 | 128 | 6,626 | 0 | 0 | 0 | 0 |
| Joint Staff | 119,115 | 119,115 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Special Operations Command | 177,996 | 61,007 | 115,377 | 0 | 1,612 | 0 | 0 | 0 | 0 | 0 |
| Washington Headquarters Services | 578,703 | 189,350 | 282,852 | 17,586 | 24,524 | 40,594 | 559 | 12,835 | 0 | 10,403 |
| Department of the Air Force | 1,698,471 | 144,099 | 1,447,290 | 3,835 | 4,075 | 38,931 | 0 | 56,318 | 3,665 | 258 |
| Air Force, Materials Command | 526,061 | 136,456 | 384,692 | 0 | 4,075 | 0 | 0 | 580 | 0 | 258 |
| Air Force, Space Command | 1,172,410 | 7,643 | 1,062,598 | 3,835 | 0 | 38,931 | 0 | 55,738 | 3,665 | 0 |
| Department of the Army ³ | 852,280 | 325,352 | 492,484 | 1,075 | 15,696 | 5,594 | 6,820 | 4,453 | 0 | 806 |
| Department of the Navy | 728,175 | 210,980 | 373,927 | 0 | 85,929 | 2,598 | 47,458 | 6,863 | 0 | 420 |
| Operational Test and Evaluation, Director | 12,355 | 3,103 | 5,585 | 0 | 2,670 | 0 | 0 | 997 | 0 | 0 |
| Department of Defense, major systems | 33,857,125 | 7,730,782 | 25,139,575 | 100,644 | 218,837 | 193,539 | 43,187 | 342,350 | 65 | 88,146 |
| Defense Agencies | 8,513,091 | 1,640,350 | 6,520,720 | 73,650 | 59,173 | 125,291 | 3,409 | 64,427 | 0 | 26,071 |
| Ballistic Missile Defense Organization | 7,348,786 | 1,302,333 | 5,751,070 | 73,313 | 52,704 | 125,038 | 3,209 | 25,723 | 0 | 15,396 |
| Chemical and Biological Defense | 92,614 | 64,496 | 27,006 | 0 | 0 | 0 | 0 | 1,112 | 0 | 0 |
| Defense Advanced Research Projects Agency | 112,921 | 44,498 | 68,423 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Defense Information Systems Agency | 322,053 | 61,693 | 246,363 | 0 | 1,967 | 0 | 0 | 12,030 | 0 | 0 |
| Defense Logistics Agency | 5,209 | 100 | 3,109 | 0 | 0 | 0 | 0 | 2,000 | 0 | 0 |
| Special Operations Command | 245,804 | 84,248 | 159,778 | 0 | 1,778 | 0 | 0 | 0 | 0 | 0 |
| TRICARE Management Activity ² | 74,367 | 17,161 | 57,206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Washington Headquarters Services | 311,337 | 65,821 | 207,765 | 337 | 2,724 | 253 | 200 | 23,562 | 0 | 10,675 |
| Department of the Air Force | 5,435,139 | 694,998 | 4,557,699 | 11,074 | 487 | 14,404 | 4,818 | 151,659 | 0 | 0 |
| Air Force, Materials Command | 4,187,712 | 632,037 | 3,454,396 | 0 | 230 | 12,604 | 4,818 | 83,627 | 0 | 0 |
| Air Force, Space Command | 1,247,427 | 62,961 | 1,103,303 | 11,074 | 257 | 1,800 | 0 | 68,032 | 0 | 0 |
| Department of the Army | 7,099,963 | 1,500,908 | 5,469,848 | 9,637 | 15,252 | 28,658 | 1,963 | 30,404 | 65 | 43,228 |
| Department of the Navy | 12,540,290 | 3,809,458 | 8,446,999 | 6,283 | 136,131 | 25,091 | 32,997 | 64,484 | 0 | 18,847 |
| Operational Test and Evaluation, Director | 268,642 | 85,068 | 144,309 | 0 | 7,794 | 95 | 0 | 31,376 | 0 | 0 |
| Department of Education | 77,745 | 3,639 | 7,319 | 0 | 49,308 | 0 | 17,479 | 0 | 0 | 0 |

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| Department of Energy | 2,172,355 | 303,785 | 931,926 | 301,209 | 56,031 | 363,854 | 31,773 | 181,777 | 1,000 | 1,000 |
| Energy Efficiency and Renewable Energy | 433,468 | 169,370 | 0 | 16,275 | 44,541 | 40,053 | 12,317 | 150,912 | 0 | 0 |
| Fossil Energy | 299,560 | 83,476 | 150,097 | 9,317 | 0 | 19,762 | 17,956 | 16,952 | 1,000 | 1,000 |
| National Nuclear Security Administration | 1,320,012 | 42,402 | 763,219 | 253,639 | 0 | 253,255 | 1,500 | 5,997 | 0 | 0 |
| Defense Programs | 543,097 | 33,132 | 111,219 | 180,557 | 0 | 217,867 | 0 | 322 | 0 | 0 |
| Fissile Materials Disposition | 1,000 | 1 | 0 | 0 | 0 | 0 | 0 | 999 | 0 | 0 |
| Naval Reactors | 708,364 | 1 | 652,000 | 54,400 | 0 | 381 | 1,500 | 82 | 0 | 0 |
| Nonproliferation and Verification | 67,551 | 9,268 | 0 | 18,682 | 0 | 35,007 | 0 | 4,594 | 0 | 0 |
| Other Department of Energy programs | 119,315 | 8,537 | 18,610 | 21,978 | 11,490 | 50,784 | 0 | 7,916 | 0 | 0 |
| Bonneville Power Administration | 8,963 | 8,321 | 0 | 0 | 0 | 0 | 0 | 642 | 0 | 0 |
| Environmental Management | 28,796 | 1 | 0 | 15,403 | 5,490 | 1,790 | 0 | 6,112 | 0 | 0 |
| Nuclear Energy | 77,525 | 1 | 16,400 | 6,300 | 6,000 | 48,324 | 0 | 500 | 0 | 0 |
| Office of Intelligence | 4,031 | 214 | 2,210 | 275 | 0 | 670 | 0 | 662 | 0 | 0 |
| Department of Health and Human Services | 949,965 | 22,803 | 109,950 | 0 | 80,157 | 0 | 680,486 | 0 | 56,569 | 0 |
| Agency for Healthcare Research and Quality | 22,320 | 22,320 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Health Resources and Services Administration | 5,595 | 1 | 0 | 0 | 2,000 | 0 | 2,000 | 0 | 1,594 | 0 |
| Office of the Secretary | 5,291 | 481 | 0 | 0 | 4,810 | 0 | 0 | 0 | 0 | 0 |
| Office of Public Health and Science | 5,291 | 481 | 0 | 0 | 4,810 | 0 | 0 | 0 | 0 | 0 |
| Substance Abuse and Mental Health Services Administration ⁴ | 916,759 | 1 | 109,950 | 0 | 73,347 | 0 | 678,486 | 0 | 54,975 | 0 |
| Department of Homeland Security | 60,811 | 51,549 | 3,443 | 0 | 4,593 | 0 | 1,226 | 0 | 0 | 0 |
| Animal and Plant Health Inspection Service | 25,447 | 21,089 | 0 | 0 | 4,358 | 0 | 0 | 0 | 0 | 0 |
| Transportation Security Administration | 18,500 | 18,500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United States Coast Guard | 16,864 | 11,960 | 3,443 | 0 | 235 | 0 | 1,226 | 0 | 0 | 0 |
| Department of Housing and Urban Development | 29,854 | 18,692 | 7,566 | 0 | 0 | 0 | 3,596 | 0 | 0 | 0 |
| Department of the Interior | 55,728 | 52,574 | 591 | 0 | 1,985 | 0 | 198 | 0 | 352 | 28 |
| Bureau of Reclamation | 5,223 | 3,516 | 591 | 0 | 616 | 0 | 198 | 0 | 274 | 28 |
| Geological Survey | 50,505 | 49,058 | 0 | 0 | 1,369 | 0 | 0 | 0 | 78 | 0 |
| Department of Justice | 62,445 | 41,704 | 0 | 0 | 11,539 | 0 | 0 | 0 | 9,202 | 0 |
| Bureau of Prisons | 5,300 | 500 | 0 | 0 | 0 | 0 | 0 | 0 | 4,800 | 0 |
| Federal Bureau of Investigation | 34,145 | 34,145 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Office of Justice Programs | 23,000 | 7,059 | 0 | 0 | 11,539 | 0 | 0 | 0 | 4,402 | 0 |
| Department of Labor | 1,591 | 412 | 1,179 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Office of the Secretary | 900 | 100 | 800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pension Benefit Guaranty Corporation | 691 | 312 | 379 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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|----------------------------------------------------------------------------|-----------|------------------------------|------------------------------------|-------------------------|--------------------------------------|---------------------------|-----------------------------------------|--------------------------|--------------------------------|---------|
| | | | United States and U.S. territories | | | | | | | Foreign |
| | | | Industry | Indus- try FFRDCs | Univer- sities and colleges | Univer- sity FFRDCs | Other nonprofit insti- tutions | Non- profit FFRDCs | State and local govts | |
| Department of Transportation | 241,986 | 48,988 | 100,489 | 0 | 890 | 500 | 8,516 | 144 | 82,459 | 0 |
| Federal Aviation Administration | 75,135 | 13,022 | 62,113 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Federal Highway Administration | 139,819 | 20,690 | 29,137 | 0 | 890 | 500 | 6,143 | 0 | 82,459 | 0 |
| Federal Motor Carrier Safety Administration | 1,338 | 73 | 748 | 0 | 0 | 0 | 373 | 144 | 0 | 0 |
| Federal Railroad Administration | 3,200 | 500 | 2,700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Federal Transit Administration | 2,640 | 640 | 0 | 0 | 0 | 0 | 2,000 | 0 | 0 | 0 |
| Office of the Secretary Research and Special Programs Administration | 10,836 | 10,836 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Administration | 9,018 | 3,227 | 5,791 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Department of the Treasury | 895 | 775 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bureau of Engraving and Printing | 560 | 560 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| United States Mint | 335 | 215 | 120 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Department of Veterans Affairs | 16,778 | 16,778 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other agencies | | | | | | | | | | |
| Agency for International Development | 20,897 | 2,350 | 135 | 0 | 1,450 | 0 | 16,962 | 0 | 0 | 0 |
| Environmental Protection Agency | 148,300 | 70,294 | 14,252 | 0 | 41,273 | 0 | 18,768 | 0 | 3,261 | 452 |
| Library of Congress | 4,014 | 4,014 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| National Aeronautics and Space Administration | 3,059,754 | 764,939 | 1,042,420 | 0 | 142,056 | 882,006 | 207,763 | 4,093 | 11,184 | 5,293 |

¹ Includes costs associated with the administration of intramural and extramural programs by Federal personnel as well as actual intramural performance.

² TRICARE Management Activity oversees delivery of healthcare to active duty and retired members of the uniformed services, their family members, and their survivors.

³ 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 the funds are shown in the advanced technology total for the Department of the Army.

⁴ 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.

FFRDCs = Federally funded research and development centers.

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.