

DEPARTMENT OF ENERGY

ATOMIC ENERGY DEFENSE ACTIVITIES

Federal Funds

General and special funds:

WEAPONS ACTIVITIES

For Department of Energy expenses, including the purchase, construction and acquisition of plant and capital equipment and other incidental expenses necessary for atomic energy defense weapons activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion; *the purchase of one fixed wing aircraft*; and the purchase of passenger motor vehicles (not to exceed [70] 32 for replacement only, and one bus), [\$4,146,692,000.] to become available on October 1 of the year specified and to remain available until expended: [Provided, That funding for any ballistic missile defense program undertaken by the Department of Energy for the Department of Defense shall be provided by the Department of Defense according to procedures established for Work for Others by the Department of Energy] *fiscal year 1999, \$4,500,000,000; fiscal year 2000, \$518,674,000; fiscal year 2001, \$251,096,000; fiscal year 2002, \$145,997,000; fiscal year 2003, \$57,804,000; fiscal year 2004, \$32,318,000; fiscal year 2005, \$4,451,000; and fiscal year 2006, \$1,704,000. (Energy and Water Development Appropriations Act, 1998.)*

Program and Financing (in millions of dollars)

| Identification code 89-0240-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| Direct program: | | | |
| 00.01 Stockpile stewardship | 1,656 | 1,864 | 2,188 |
| 00.04 Stockpile management | 1,916 | 2,069 | 2,051 |
| 00.06 Program direction | 309 | 271 | 261 |
| 00.91 Total direct program | 3,881 | 4,204 | 4,500 |
| 09.01 Reimbursable program | 956 | 1,119 | 1,119 |
| 10.00 Total obligations | 4,837 | 5,323 | 5,619 |
| Budgetary resources available for obligation: | | | |
| Unobligated balance available, start of year: | | | |
| Uninvested: | | | |
| 21.40 Uninvested | 25 | 58 | ..... |
| 21.40 Uninvested | 358 | 544 | 544 |
| 21.99 Total unobligated balance, start of year | 383 | 602 | 544 |
| 22.00 New budget authority (gross) | 5,052 | 5,266 | 5,619 |
| 22.10 Resources available from recoveries of prior year obligations | 3 | ..... | ..... |
| 23.90 Total budgetary resources available for obligation | 5,438 | 5,868 | 6,163 |
| 23.95 New obligations | -4,837 | -5,323 | -5,619 |
| Unobligated balance available, end of year: | | | |
| Uninvested: | | | |
| 24.40 Uninvested | 58 | ..... | ..... |
| 24.40 Uninvested | 544 | 544 | 544 |
| 24.99 Total unobligated balance, end of year | 602 | 544 | 544 |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.00 Appropriation | 3,911 | 4,147 | 4,500 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Offsetting collections (cash) | 1,141 | 1,119 | 1,119 |
| 70.00 Total new budget authority (gross) | 5,052 | 5,266 | 5,619 |
| Change in unpaid obligations: | | | |
| Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 1,271 | 1,012 | 1,137 |
| 73.10 New obligations | 4,837 | 5,323 | 5,619 |

| | | | |
|--|--------|--------|--------|
| 73.20 Total outlays (gross) | -5,092 | -5,198 | -5,518 |
| 73.31 Obligated balance transferred to other accounts | -1 | ..... | ..... |
| 73.45 Adjustments in unexpired accounts | -3 | ..... | ..... |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 1,012 | 1,137 | 1,238 |

Outlays (gross), detail:

| | | | |
|--|-------|-------|-------|
| 86.90 Outlays from new current authority | 2,542 | 2,696 | 2,925 |
| 86.93 Outlays from current balances | 1,409 | 1,383 | 1,474 |
| 86.97 Outlays from new permanent authority | 1,141 | 1,119 | 1,119 |
| 87.00 Total outlays (gross) | 5,092 | 5,198 | 5,518 |

Offsets:

| | | | |
|--|--------|--------|--------|
| Against gross budget authority and outlays: | | | |
| Offsetting collections (cash) from: | | | |
| 88.40 Non-Federal sources | -171 | -113 | -113 |
| 88.45 Offsetting governmental collections | -970 | -1,006 | -1,006 |
| 88.90 Total, offsetting collections (cash) | -1,141 | -1,119 | -1,119 |

Net budget authority and outlays:

| | | | |
|------------------------------|-------|-------|-------|
| 89.00 Budget authority | 3,911 | 4,147 | 4,500 |
| 90.00 Outlays | 3,951 | 4,079 | 4,399 |

Weapons activities.—This program includes the following activities:

Stockpile Stewardship.—This activity provides for the research, development, and engineering activities to support the safety and reliability of the nuclear weapons stockpile, without underground nuclear testing, through a science-based Stockpile Stewardship program. The core stewardship program supports Stockpile Stewardship by maintaining core competencies at the weapons laboratories and the Nevada Test Site, and through research on enhanced safety and reliability of the enduring stockpile and dismantlement techniques. In addition, the core stewardship program maintains the capability to execute an underground nuclear test if directed by the President. Research and development on inertial confinement fusion is also included and the transfer of nonsensitive Defense Programs' funded technology to the private sector is promoted.

Stockpile Management.—This activity provides for the maintenance of the U.S. nuclear weapons stockpile, capabilities to modify or produce new weapons if required, lifetime surveillance of the stockpile, and retirement and disposal of weapons and weapon components. The Stockpile Management program also supports activities that include maintenance of technical and operational capabilities for responding to nuclear/radiological accidents and incidents worldwide. This program also provides for nuclear materials surveillance for storage, handling, shipping, safeguarding, control and accountability, and disposition for defense programs nuclear materials located at Defense Programs' facilities.

Within the Stockpile Management Program, the Department has been pursuing a dual track strategy to produce tritium for the Nation's enduring nuclear weapons stockpile. It plans to select a primary and backup option in 1998. The budget includes \$157 million to pursue the option that is selected. If the Department selects the purchase of irradiation services from commercial light water reactors as the primary option, it will be able to meet current requirements within the funds available. If the Department selects accelerator production of tritium as the primary option, it will need to seek relief from the current target date for initiating new tritium production or seek additional funding.

General and special funds—Continued

WEAPONS ACTIVITIES—Continued

Weapons Program Direction.—This activity provides personnel and contractual services for the Federal management, direction, and the administration of selected Defense Programs' missions.

Object Classification (in millions of dollars)

| Identification code 89-0240-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Direct obligations: | | | |
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 111 | 124 | 110 |
| 11.3 Other than full-time permanent | 2 | 2 | 2 |
| 11.5 Other personnel compensation | 6 | 6 | 6 |
| 11.9 Total personnel compensation | 119 | 132 | 118 |
| 12.1 Civilian personnel benefits | 25 | 22 | 23 |
| 13.0 Benefits for former personnel | 1 | 1 | 1 |
| 21.0 Travel and transportation of persons | 8 | 7 | 10 |
| 22.0 Transportation of things | 1 | 1 | 1 |
| 23.2 Rental payments to others | 1 | 1 | 1 |
| 23.3 Communications, utilities, and miscellaneous charges | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 23 | 38 | 34 |
| 25.2 Other services | 281 | 285 | 290 |
| 25.3 Purchases of goods and services from Government accounts | 10 | 10 | 10 |
| 25.4 Operation and maintenance of facilities | 2,894 | 3,078 | 3,319 |
| 25.5 Research and development contracts | 42 | 45 | 49 |
| 26.0 Supplies and materials | 6 | 5 | 5 |
| 31.0 Equipment | 116 | 118 | 120 |
| 32.0 Land and structures | 352 | 457 | 515 |
| 41.0 Grants, subsidies, and contributions | 2 | 3 | 3 |
| 99.0 Subtotal, direct obligations | 3,881 | 4,204 | 4,500 |
| 99.0 Reimbursable obligations | 956 | 1,119 | 1,119 |
| 99.9 Total obligations | 4,837 | 5,323 | 5,619 |

Personnel Summary

| Identification code 89-0240-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 1,966 | 1,957 | 1,902 |

DEFENSE ENVIRONMENTAL RESTORATION AND WASTE MANAGEMENT

For Department of Energy expenses, including the purchase, construction and acquisition of plant and capital equipment and other expenses necessary for atomic energy defense environmental restoration and waste management activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion; and the purchase of passenger motor vehicles (not to exceed [6 for replacement only] \$4,429,438,000] 3 new sedans and 6 for replacement only, of which 3 are sedans, 2 are buses, and 1 is an ambulance), \$4,259,903,000, to remain available until [expended; and, in addition, \$200,000,000 for privatization projects, to remain available until] expended. (*Energy and Water Development Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0242-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Environmental restoration | 1,731 | 1,004 | ..... |
| 00.02 Waste management | 1,539 | 1,555 | ..... |
| 00.03 Nuclear material and facility stabilization | 1,276 | 1,242 | ..... |
| 00.04 Policy and management | 26 | 22 | ..... |
| 00.05 Closure projects | 15 | ..... | ..... |
| 00.06 Fixed asset acquisition | 85 | 75 | ..... |
| 00.07 Site/project completion ..... | ..... | ..... | 1,047 |
| 00.08 Post 2006 completion ..... | ..... | ..... | 2,674 |
| 00.09 Technology development | 290 | 221 | ..... |
| 00.10 Environmental science program | 61 | 54 | ..... |
| 00.11 Science and technology ..... | ..... | ..... | 193 |

| | | | |
|---|-------|-------|-------|
| 00.12 Program direction | 383 | 374 | 346 |
| 00.13 EM privatization ..... | ..... | 180 | 190 |
| 09.00 Nuclear material and facility stabilization | 8 | ..... | ..... |
| 09.02 Asset management pilot projects ..... | ..... | 19 | 21 |
| 10.00 Total obligations | 5,414 | 4,746 | 4,471 |

Budgetary resources available for obligation:

| | | | |
|---|--------|--------|--------|
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 82 | 288 | 190 |
| 22.00 New budget authority (gross) | 5,616 | 4,648 | 4,281 |
| 22.10 Resources available from recoveries of prior year obligations | 4 | ..... | ..... |
| 23.90 Total budgetary resources available for obligation | 5,702 | 4,936 | 4,471 |
| 23.95 New obligations | -5,414 | -4,746 | -4,471 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 288 | 190 | ..... |

New budget authority (gross), detail:

| | | | |
|---|-------|-------|-------|
| Current: | | | |
| 40.00 Appropriation | 5,619 | 4,629 | 4,260 |
| 41.00 Transferred to other accounts | -11 | ..... | ..... |
| 43.00 Appropriation (total) | 5,608 | 4,629 | 4,260 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Offsetting collections (cash) | 8 | 19 | 21 |
| 70.00 Total new budget authority (gross) | 5,616 | 4,648 | 4,281 |

Change in unpaid obligations:

| | | | |
|---|--------|--------|--------|
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 2,030 | 1,857 | 1,697 |
| 73.10 New obligations | 5,414 | 4,746 | 4,471 |
| 73.20 Total outlays (gross) | -5,579 | -4,906 | -4,451 |
| 73.31 Obligated balance transferred to other accounts | -4 | ..... | ..... |
| 73.45 Adjustments in unexpired accounts | -4 | ..... | ..... |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 1,857 | 1,697 | 1,717 |

Outlays (gross), detail:

| | | | |
|--|-------|-------|-------|
| 86.90 Outlays from new current authority | 3,697 | 3,100 | 2,982 |
| 86.93 Outlays from current balances | 1,874 | 1,787 | 1,448 |
| 86.97 Outlays from new permanent authority | 8 | 19 | 21 |
| 87.00 Total outlays (gross) | 5,579 | 4,906 | 4,451 |

Offsets:

| | | | |
|---|----|-----|-----|
| Against gross budget authority and outlays: | | | |
| 88.40 Offsetting collections (cash) from: Non-Federal sources | -8 | -19 | -21 |

Net budget authority and outlays:

| | | | |
|------------------------------|-------|-------|-------|
| 89.00 Budget authority | 5,608 | 4,629 | 4,260 |
| 90.00 Outlays | 5,571 | 4,887 | 4,430 |

Environmental Management.—The Office of Environmental Management (EM) manages the thousands of contaminated areas and buildings, huge waste volumes, and nuclear materials left over from the nuclear weapons production process. In June 1996, EM began working toward a long-range goal of completing cleanup at most sites within a decade. FY 1999 represents the first fiscal year in which the budget structure is based on projects. This budget structure differentiates by completion dates and end states rather than by activities performed.

The FY 1999 budget request will support the following major program areas:

Site/Project Completion.—Includes sites and/or projects that will be completed by 2006 at EM laboratories or other facilities where DOE will continue to have a presence beyond the year 2006. Examples of sites with projects included in this account are Idaho National Engineering and Environmental Laboratory, Idaho; Hanford, Washington; and Savannah River, South Carolina.

Post 2006 Completion.—Includes projects that will continue after 2006. Included are various projects at Hanford, Washington; Savannah River, South Carolina; Idaho National Engineering and Environmental Laboratory, Idaho;

Nevada Test Site, Nevada; Oak Ridge Reservation, Tennessee; and the Waste Isolation Pilot Plant (Carlsbad), New Mexico.

Office of Science and Technology.—Conducts technology development activities which focus on the Department's major environmental management issues to reduce risk to workers, the public, and the environment, reduce cleanup costs; and/or provide solutions that do not exist to current problems shared by multiple sites. Includes the Environmental Science program which conducts a targeted long-term basic research program for Environmental Management problems to significantly reduce long-term cleanup costs and risks to workers and the public; "bridging the gap" between broad fundamental research such as that performed in DOE's Office of Energy Research, and applied technology development which has been historically supported by Environmental Management. In addition, the Office is responsible for developing risk policy, requirements and guidance to ensure that risk analysis theory and processes are integrated into coherent decision making processes.

EM Program Direction.—Provides salaries and benefits, travel and other contractual support costs for the Federal workforce at Headquarters and in the field which support the Environmental Management Program.

Activities performed include: environmental restoration, which provides for assessments, characterization, remediation, and decontamination and decommissioning of contaminated DOE facilities and sites; waste management, which provides for the safe, treatment, storage, and disposal of wastes generated by defense activities; and, nuclear material and facility stabilization, which provides for stabilization, safeguarding, interim storage, and stewardship of excess nuclear materials, including spent nuclear fuel, awaiting ultimate disposition.

EM will continue to improve the efficiency of its programs through a variety of management and contracting strategies. In addition to privatization efforts, emphasis will continue on the reduction of support costs and implementation of performance-based contracts.

Asset Management Pilot Projects.—The Asset Management Program is designed to provide a financial return to the Federal government by disposing of unneeded assets. Six pilot projects have been identified for asset disposition. Revenues received in excess of the cost of sales, leases, and disposition are returned to Treasury.

Object Classification (in millions of dollars)

| Identification code 89-0242-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Direct obligations: | | | |
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 189 | 161 | 148 |
| 11.3 Other than full-time permanent | 5 | 4 | 4 |
| 11.5 Other personnel compensation | 4 | 3 | 3 |
| 11.9 Total personnel compensation | 198 | 168 | 155 |
| 12.1 Civilian personnel benefits | 44 | 38 | 35 |
| 13.0 Benefits for former personnel | 2 | 2 | 2 |
| 21.0 Travel and transportation of persons | 8 | 7 | 6 |
| 22.0 Transportation of things | 1 | 1 | 1 |
| 23.1 Rental payments to GSA | 9 | 8 | 7 |
| 23.3 Communications, utilities, and miscellaneous charges | 19 | 16 | 15 |
| 25.1 Advisory and assistance services | 117 | 100 | 92 |
| 25.2 Other services | 758 | 750 | 787 |
| 25.3 Purchases of goods and services from Government accounts | 37 | 32 | 29 |
| 25.4 Operation and maintenance of facilities | 3,805 | 3,257 | 3,000 |
| 25.5 Research and development contracts | 79 | 67 | 62 |
| 26.0 Supplies and materials | 3 | 3 | 3 |
| 31.0 Equipment | 55 | 47 | 43 |
| 32.0 Land and structures | 191 | 163 | 150 |
| 41.0 Grants, subsidies, and contributions | 80 | 68 | 63 |
| 99.0 Subtotal, direct obligations | 5,406 | 4,727 | 4,450 |

| | | | |
|-------------------------------------|-------|-------|-------|
| 99.0 Reimbursable obligations | 8 | 19 | 21 |
| 99.9 Total obligations | 5,414 | 4,746 | 4,471 |

Personnel Summary

| Identification code 89-0242-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 3,045 | 3,003 | 2,869 |

DEFENSE FACILITIES CLOSURE PROJECTS

For expenses of the Department of Energy to accelerate the closure of defense environmental management sites, including the purchase, construction and acquisition of plant and capital equipment and other necessary expenses, [**\$890,800,000**] *\$1,006,240,000*, to remain available until expended. (*Energy and Water Development Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0251-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations | | 891 | 1,006 |
| Budgetary resources available for obligation: | | | |
| 22.00 New budget authority (gross) | | 891 | 1,006 |
| 23.95 New obligations | | -891 | -1,006 |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | | 891 | 1,006 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | | | 267 |
| 73.10 New obligations | | 891 | 1,006 |
| 73.20 Total outlays (gross) | | -624 | -927 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | | 267 | 346 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | | 624 | 704 |
| 86.93 Outlays from current balances | | | 223 |
| 87.00 Total outlays (gross) | | 624 | 927 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | 891 | 1,006 |
| 90.00 Outlays | | 624 | 927 |

These funds are managed by the Department of Energy's Environmental Management Program.

Site Closure.—Provides funding for sites that will meet the goal of site closure by 2006. The creation of this account supports the reduction of long-term costs. There will not be a Departmental mission at sites within this account beyond 2006 except for limited long-term surveillance and maintenance (i.e., pump and treat). Examples of sites included under this account are Fernald, Ohio and Rocky Flats, Colorado.

Activities performed include: environmental restoration, which provides for assessments, characterization, remediation, and decontamination and decommissioning of contaminated DOE facilities and sites; waste management, which provides for the safe, treatment, storage, and disposal of wastes generated by defense activities; and, nuclear material and facility stabilization, which provides for stabilization, safeguarding, interim storage, and stewardship of excess nuclear materials, awaiting ultimate disposition.

Object Classification (in millions of dollars)

| Identification code 89-0251-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 23.3 Communications, utilities, and miscellaneous charges | | 8 | 9 |
| 25.1 Advisory and assistance services | | 4 | 4 |
| 25.2 Other services | | 11 | 12 |

General and special funds—Continued

DEFENSE FACILITIES CLOSURE PROJECTS—Continued

Object Classification (in millions of dollars)—Continued

| Identification code 89-0251-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 25.3 Purchases of goods and services from Government accounts | | 14 | 16 |
| 25.4 Operation and maintenance of facilities | | 828 | 935 |
| 32.0 Land and structures | | 20 | 23 |
| 41.0 Grants, subsidies, and contributions | | 6 | 7 |
| 99.9 Total obligations | | 891 | 1,006 |

DEFENSE ENVIRONMENTAL MANAGEMENT PRIVATIZATION

For Department of Energy expenses for privatization projects necessary for atomic energy defense environmental restoration and waste management activities authorized by the Department of Energy Organization Act (42 U.S.C. 7101, et seq.), \$516,857,000, to remain available until expended.

Program and Financing (in millions of dollars)

| Identification code 89-0249-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations (object class 25.2) | | | 393 |
| Budgetary resources available for obligation: | | | |
| 22.00 New budget authority (gross) | | | 517 |
| 23.95 New obligations | | | -393 |
| 24.40 Unobligated balance available, end of year: Uninvested | | | 124 |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | | | 517 |
| Change in unpaid obligations: | | | |
| 73.10 New obligations | | | 393 |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | | | 393 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | | 517 |
| 90.00 Outlays | | | |

Environmental Management Privatization.—Provides funding necessary to proceed with privatization of various DOE environmental management projects that will treat some of DOE's most contaminated soil and highly radioactive waste, as well as deactivate contaminated nuclear facilities that cost excessive amounts of money to maintain. This new approach to cleanup relies on the private sector to construct and operate facilities or proceed with cleanup actions on a fixed-price, fee-for-service basis. These competitively awarded projects are expected to save approximately 30 percent or more over the life-cycle of the projects, when compared to DOE's traditional approach of designing, constructing and operating a government-owned facility. Funds in this account will allow DOE to enter into these contracts and assures private investors that funds will be available to pay for services once the facilities are built.

OTHER DEFENSE ACTIVITIES

For Department of Energy expenses, including the purchase, construction and acquisition of plant and capital equipment and other expenses necessary for atomic energy defense, other defense activities, in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101, et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or expansion, [and the purchase of passenger motor vehicles (not to exceed 2 for replacement only), \$1,666,008,000,] to become available on October 1 of the fiscal year

specified and to remain available until expended: fiscal year 1999, \$1,667,160,000; fiscal year 2000, \$57,871,000; fiscal year 2001, \$13,400,000; and fiscal year 2002, \$5,400,000. (Energy and Water Development Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-0243-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Nonproliferation and national security | 627 | 670 | 676 |
| 00.02 Fissile materials disposition | 95 | 113 | 169 |
| 00.03 Worker and community transition | 66 | 66 | 45 |
| 00.04 Naval reactors | 682 | 672 | 666 |
| 00.05 International nuclear safety and security | 119 | 47 | 35 |
| 00.06 Environment, safety and health (defense) | 80 | 93 | 74 |
| 00.07 Other | | 41 | 2 |
| 10.00 Total obligations | 1,669 | 1,702 | 1,667 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 64 | 36 | |
| 22.00 New budget authority (gross) | 1,637 | 1,666 | 1,667 |
| 22.10 Resources available from recoveries of prior year obligations | 5 | | |
| 23.90 Total budgetary resources available for obligation | 1,706 | 1,702 | 1,667 |
| 23.95 New obligations | -1,669 | -1,702 | -1,667 |
| 24.40 Unobligated balance available, end of year: Uninvested | 36 | | |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 1,606 | 1,666 | 1,667 |
| 41.00 Transferred to other accounts | -6 | | |
| 42.00 Transferred from other accounts | 37 | | |
| 43.00 Appropriation (total) | 1,637 | 1,666 | 1,667 |
| 70.00 Total new budget authority (gross) | 1,637 | 1,666 | 1,667 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 642 | 732 | 693 |
| 73.10 New obligations | 1,669 | 1,702 | 1,667 |
| 73.20 Total outlays (gross) | -1,584 | -1,741 | -1,693 |
| 73.32 Obligated balance transferred from other accounts | 9 | | |
| 73.45 Adjustments in unexpired accounts | -5 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 732 | 693 | 667 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 1,065 | 1,083 | 1,084 |
| 86.93 Outlays from current balances | 519 | 658 | 609 |
| 87.00 Total outlays (gross) | 1,584 | 1,741 | 1,693 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 1,637 | 1,666 | 1,667 |
| 90.00 Outlays | 1,584 | 1,741 | 1,693 |

Other defense activities.—This program includes the following activities:

Nonproliferation and National Security.—The Department's Nonproliferation and National Security activities consist of the following areas: Nonproliferation and Verification, Research and Development, Arms Control and Nonproliferation, Intelligence, Nuclear Safeguards and Security, Security Investigations, Emergency Management and Program Direction. These activities provide policy, direction, technology development and implementation, and leadership in national and international efforts to reduce the danger to U.S. national security posed by weapons of mass destruction. Key mission areas are: (1) preventing the spread of weapons of mass destruction materials, technology, and expertise; (2) detecting the proliferation of weapons of mass destruction world wide; (3) reversing the proliferation of nuclear weapons capabilities; and (4) responding to weapons of mass destruction emergencies.

Fissile Materials Disposition.—The Fissile Materials Disposition Program is responsible for defining and implement-

ing a path forward for the verifiable storage and disposition of U.S. weapons-usable fissile material (highly enriched uranium and plutonium) and for providing technical support for efforts to attain reciprocal actions for the disposition of surplus Russian plutonium. The Department is preparing to dispose of surplus weapons highly enriched uranium by blending it down to low enriched uranium for use as commercial reactor fuel. The Department is pursuing a hybrid plutonium disposition strategy that allows for immobilization of surplus plutonium with ceramic material surrounded by vitrified high level waste, and burning of surplus plutonium as mixed oxide (MOX) fuel in existing domestic commercial reactors. Over the next two years, DOE will complete site-specific environmental reviews and detailed cost proposals for both disposition approaches; make a Record of Decision on site(s) for disposition facilities; begin detailed design of two of the three disposition facilities; and complete tests, process development and technology demonstrations required for plutonium disposition. Near term efforts also involve continued efforts to consolidate the storage of weapons-usable fissile materials, pending disposition; and development of a pilot scale plutonium conversion system in Russia. The budget includes \$28 million to begin design of a MOX fuel fabrication facility in the United States. The Administration will not construct new facilities for disposition of U.S. plutonium unless there is significant progress on plans for plutonium disposition in Russia.

Worker and Community Transition.—This program provides for the development and implementation of plans under section 3161 of the National Defense Authorization Act of 1993, to provide options to assist workers affected by workforce restructuring including preference in hiring, outplacement assistance, relocation assistance, and incentives for early retirement or separation. This program also provides impact assistance to local communities, as well as disposition of assets excess to current Department needs.

Naval Reactors.—This program performs the design, development, and testing necessary to provide the Navy with safe, militarily effective nuclear propulsion plants in keeping with the Nation's nuclear-powered fleet defense requirements. During 1999, the program expects to reach 4,900 cumulative reactor-years of safe operation, and will continue to support and improve operating reactors and plant components. In addition, the program will continue to develop nuclear reactor plant components and systems for the Navy's new attack submarine, procure equipment needs for development and testing activities, and maintain or shut down aging facilities as appropriate.

International Nuclear Safety and Security.—The International Nuclear Safety Program reflects the Department's commitment to improve the safety of Soviet-designed nuclear reactors abroad. Since 1992, DOE has led the U.S. Government's effort to reduce the health and environmental threats posed by the continued operation of aging nuclear reactors in Russia, Ukraine, and other countries in the region. The request supports improvements in management and operational safety, engineering and technology upgrades, and encourages development of a U.S. equivalent nuclear safety culture.

Environment, safety and health (Defense).—The Office of Environment, Safety and Health is a corporate resource that provides Departmental leadership and management to protect the workers, public, and environment. The programs in the Other Defense Activities are Oversight, Health Studies, and Radiation Effects Research Foundation support as well as Program Direction.

Object Classification (in millions of dollars)

| Identification code 89-0243-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 54 | 68 | 56 |
| 11.3 Other than full-time permanent | 1 | 1 | 1 |
| 11.5 Other personnel compensation | 2 | 3 | 2 |
| 11.8 Special personal services payments | 2 | | |
| 11.9 Total personnel compensation | 59 | 72 | 59 |
| 12.1 Civilian personnel benefits | 11 | 13 | 12 |
| 13.0 Benefits for former personnel | 1 | | |
| 21.0 Travel and transportation of persons | 4 | 4 | 4 |
| 23.1 Rental payments to GSA | | 6 | 7 |
| 23.3 Communications, utilities, and miscellaneous charges | 1 | | |
| 24.0 Printing and reproduction | | 1 | 1 |
| 25.1 Advisory and assistance services | 87 | 85 | 49 |
| 25.2 Other services | 222 | 215 | 218 |
| 25.3 Purchases of goods and services from Government accounts | 14 | 30 | 10 |
| 25.4 Operation and maintenance of facilities | 918 | 885 | 879 |
| 25.5 Research and development contracts | 213 | 206 | 206 |
| 25.6 Medical care | 22 | 21 | 21 |
| 25.7 Operation and maintenance of equipment | 4 | 1 | 1 |
| 26.0 Supplies and materials | 1 | 1 | 1 |
| 31.0 Equipment | 49 | 75 | 81 |
| 32.0 Land and structures | 30 | 29 | 77 |
| 41.0 Grants, subsidies, and contributions | 33 | 58 | 41 |
| 99.9 Total obligations | 1,669 | 1,702 | 1,667 |

Personnel Summary

| Identification code 89-0243-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 759 | 899 | 720 |

DEFENSE NUCLEAR WASTE DISPOSAL

For nuclear waste disposal activities to carry out the purposes of Public Law 97-425, as amended, including the acquisition of real property or facility construction or expansion, \$190,000,000, to remain available until expended. (*Energy and Water Development Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0244-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations (object class 25.2) | 203 | 190 | 190 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 88 | 85 | 85 |
| 22.00 New budget authority (gross) | 200 | 190 | 190 |
| 23.90 Total budgetary resources available for obligation | 288 | 275 | 275 |
| 23.95 New obligations | -203 | -190 | -190 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested, reserved pursuant to P.L. 104-46 | 85 | 85 | 85 |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 200 | 190 | 190 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 13 | 45 | 45 |
| 73.10 New obligations | 203 | 190 | 190 |
| 73.20 Total outlays (gross) | -171 | -190 | -190 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 45 | 45 | 45 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 100 | 145 | 145 |
| 86.93 Outlays from current balances | 71 | 45 | 45 |
| 87.00 Total outlays (gross) | 171 | 190 | 190 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 200 | 190 | 190 |

General and special funds—Continued

DEFENSE NUCLEAR WASTE DISPOSAL—Continued

Program and Financing (in millions of dollars)—Continued

| Identification code 89-0244-0-1-053 | 1997 actual | 1998 est. | 1999 est. |
|-------------------------------------|-------------|-----------|-----------|
| 90.00 Outlays | 171 | 190 | 190 |

This appropriation was established by Congress as part of the 1993 Energy and Water Development Appropriation (P.L. 102-377) in lieu of payment from the Department of Energy into the Nuclear Waste Fund for activities related to the disposal of defense high-level waste.

The outyear funding for this account does not reflect the impact of the 1998 viability assessment of Yucca Mountain.

ENERGY PROGRAMS

Federal Funds

General and special funds:

SCIENCE

For expenses of the Department of Energy activities including the purchase, construction and acquisition of plant and capital equipment and other expenses necessary for science activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or facility or for plant or facility acquisition, construction, or expansion, and purchase of [15] 5 passenger motor vehicles for replacement only, [\$2,235,708,000,] to become available on October 1 of the year specified and to remain available until expended; fiscal year 1999, \$2,482,460,000; fiscal year 2000, \$318,064,000; fiscal year 2001, \$353,343,000; fiscal year 2002, \$333,200,000; fiscal year 2003, \$249,900,000; fiscal year 2004, \$132,300,000; and fiscal year 2005, \$43,000,000; Provided, That [\$35,000,000] in addition \$7,600,000 of the unobligated balances originally available for Superconducting Super Collider termination activities shall be made available for other activities under this heading. (Energy and Water Development Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-0222-0-1-251 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 High energy physics | 658 | 678 | 691 |
| 00.02 Superconducting super collider | -20 | -8 | |
| 00.03 Nuclear physics | 310 | 320 | 333 |
| 00.04 General science program direction | 12 | | |
| 00.05 Biological and environmental research | | 404 | 392 |
| 00.06 Basic energy sciences | | 665 | 836 |
| 00.07 Computational and technology research | | 150 | 161 |
| 00.08 Energy research analyses | | 1 | 1 |
| 00.09 Multiprogram energy labs—facility support | | 21 | 21 |
| 00.10 University and science education | | | 15 |
| 00.11 Program direction | | 38 | 40 |
| 10.00 Total obligations | 960 | 2,269 | 2,490 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 24 | 41 | 8 |
| 22.00 New budget authority (gross) | 977 | 2,236 | 2,482 |
| 23.90 Total budgetary resources available for obligation | 1,001 | 2,277 | 2,490 |
| 23.95 New obligations | -960 | -2,269 | -2,490 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 41 | 8 | |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 996 | 2,236 | 2,482 |
| 41.00 Transferred to other accounts | -19 | | |
| 43.00 Appropriation (total) | 977 | 2,236 | 2,482 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 448 | 385 | 841 |

| | | | |
|---|--------|--------|--------|
| 73.10 New obligations | 960 | 2,269 | 2,490 |
| 73.20 Total outlays (gross) | -1,022 | -1,813 | -2,169 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 385 | 841 | 1,162 |

Outlays (gross), detail:

| | | | |
|--|-------|-------|-------|
| 86.90 Outlays from new current authority | 739 | 1,473 | 1,430 |
| 86.93 Outlays from current balances | 283 | 340 | 738 |
| 87.00 Total outlays (gross) | 1,022 | 1,813 | 2,169 |

Net budget authority and outlays:

| | | | |
|------------------------------|-------|-------|-------|
| 89.00 Budget authority | 977 | 2,236 | 2,482 |
| 90.00 Outlays | 1,022 | 1,813 | 2,169 |

High energy physics.—This research program focuses on gaining insights into the fundamental constituents of matter, the fundamental forces in nature, and the transformations between matter and energy at the most elementary level. The program encompasses both experimental and theoretical particle physics research and related advanced accelerator and detector technology R&D. The primary mode of experimental research involves the study of collisions of energetic particles using large particle accelerators or colliding beam facilities.

Research in 1999 will continue to focus on studies of known fundamental particle constituents, the search for new particle constituents, and the pursuit of a unified description of the four fundamental forces in nature.

In addition to contributing to breakthrough discoveries such as the existence of the top quark, high energy physics research enhances national economic competitiveness. State-of-the-art technology developed for accelerators and detectors contribute to progress in fields such as fast electronics, high-speed computing, superconducting magnet technology, and high-power radio frequency devices. High energy physics research also continues to make major contributions to accelerator technology and provides the expertise necessary for the expansion of such technology into fields such as medical diagnostics, and applied research using synchrotron light sources.

The 1999 high energy physics budget request will support the continued operation of all three of the Department's major high energy physics facilities: the Tevatron, the Stanford Linear Collider (SLC), and the Alternating Gradient Synchrotron (AGS). In addition, \$65 million, an increase of \$30 million, is provided for the Department's FY 1999 contribution to U.S. participation in the Large Hadron Collider project at the European Center for Nuclear Research. Advance appropriations through 2004, totaling \$329,000,000, are requested to complete the US contribution to the project.

The high energy physics R&D request provides funding for advanced accelerator and detector R&D that is necessary for next-generation high energy particle accelerators. The FY 1999 request provides \$21.7 million to continue the fabrication of BaBar, the detector for the B-Factory, and the upgrades of the two detectors at Fermilab, the Collider Detector Facility and D-Zero. The request also includes \$14.3 million for the neutrinos at the Main Injector Project and \$6.7 million for Wilson Hall safety improvements; Advance appropriations of \$64.9 million are requested to complete these projects.

Superconducting Super Collider.—The Department will continue the orderly termination of the Superconducting Super Collider (SSC) in 1999, as directed by Congress in the 1994 Energy and Water Development Appropriations Act. No additional funding for such activities is requested in 1999. Due to the efficiency of the SSC termination, \$7.6 million in unobligated balances will be transferred to reduce the FY 1999 Science appropriation request.

Nuclear Physics.—The goal of the nuclear physics program is to understand the interactions and structure of atomic nuclei and to investigate fundamental particles and forces of nature as manifested in nuclear matter. In 1999, the pro-

gram will continue to focus on the role of quarks in the composition and interactions of nuclei, the application of nuclear physics methods to astrophysical problems, the properties of neutrinos, and the mechanisms by which colliding nuclei exchange mass, energy, and angular momentum.

The nuclear physics program supports and provides experimental equipment to qualified scientists and research groups conducting experiments at nuclear physics accelerator facilities. In addition, nuclear physics accelerators generate many of the radioisotopes used for medical diagnosis and treatments; support several cooperative programs in biomedical research and atomic physics; and provide training opportunities for health physicists concerned with radiation-effects on humans.

The Thomas Jefferson National Accelerator Facility/Continuous Electron Beam Accelerator Facility experimental program began in FY 1996 and will continue in FY 1999 with the conduct of research in all three experimental halls. Experimental operations have also been initiated at the Radioactive Ion Beam facility in Oak Ridge National Laboratory and will continue in 1999. Operation of ATLAS (ANL), TAGS (BNL), and the 88-inch cyclotron (LBNL) will be supported, as will the operation of the university-based accelerator laboratories.

Relativistic Heavy Ion Collider (RHIC) construction will be completed in the third quarter of FY 1999 and will begin operations in the fourth quarter. Funding for the AGS accelerator will be transferred from the High Energy Physics program to the Nuclear Physics program as it becomes the injector for the RHIC.

Biological and environmental research.—This program develops the knowledge base necessary to identify, understand, and anticipate the long-term health and environmental consequences of energy use and development and utilizes the Department's unique scientific and technological capabilities to solve major scientific problems in the environment, medicine, and biology. Planned 1999 activities include programs in global climate change; terrestrial, atmospheric and marine environmental processes; molecular, cellular and systemic studies on the biological effects of radiation, including radon emissions; structural biology; and medical applications of nuclear technology and the Human Genome Program. Funding for the Human Genome Program is provided to allow for high throughput human DNA sequencing. A carbon management science program is beginning in FY 1999, focusing on science related to carbon sequestration and sequencing of genomes of microbes that use carbon dioxide to produce methane and hydrogen.

Basic Energy Sciences.—The Basic Energy Sciences (BES) program funds basic research in the physical, biological and engineering sciences that support the Department's nuclear and non-nuclear technology programs. The BES program is responsible for operating large national user research facilities, including synchrotron light and neutron sources, and a combustion research facility, as well as smaller user facilities such as materials preparation and electron microscopy centers.

The BES program also supports a substantial basic research budget for materials sciences, chemical sciences, energy biosciences, engineering and the geosciences. The program supports a number of research areas that are unique within the Federal government; in many basic research areas, such as materials science, funding provided by the BES program represents a large percentage, or even the sole source of Federal funding.

The 1999 BES budget request includes continued support to maintain utilization of the Department's large state-of-the-art science facilities. The proposed funding will maintain the quality of service and availability of facility resources to users, including university and government scientists, as well as private companies who rely on unique BES facilities for their

basic research needs. Research areas that will benefit from the facilities funding include structural biology, materials science, superconductor technology, and medical research and technology development. The request also includes funding for an instrumentation enhancement of the Department's neutron source at the Los Alamos Neutron Scattering Center.

In addition, the BES request includes \$157 million in FY 1999 to initiate construction at Oak Ridge National Laboratory for the national Spallation Neutron Source (SNS) to meet the Nation's neutron scattering needs. The SNS will provide significant scientific, technical, and economic benefits that derive from neutron scattering and materials irradiation research and the production of medical isotopes. This world class Neutron source will enable the Nation to carry out major research activities in areas such as biology, materials science, superconductivity, pharmaceuticals, electronic materials, and many other technological areas that are critical for future U.S. economic competitiveness and national security. This activity also funds a small portion of the climate change program initiative.

University and Science Education.—This program will continue to provide leadership and program support necessary to use the resources of the Department's laboratories to help replenish the overall pool of well-trained, diverse scientists and engineers of the future and to achieve significant long term improvements in their scientific and technological skills.

Energy research analyses.—This activity involves the independent assessment of existing or proposed technological initiatives, including examination of the base of research that underlies energy supply and utilization technologies.

Multiprogram energy laboratories facilities support.—The goal of the multiprogram energy laboratories facilities support program is to provide funds for rehabilitating, replacing or demolishing deficient common-use utilities, roads, and buildings and to correct Environment, Safety and Health deficiencies at the multiprogram laboratories.

Computational and Technology Research (CTR).—This program includes research in Mathematical, Information, and Computational Sciences and Advanced Energy Projects. The program also includes Laboratory Technology Research activities formerly budgeted as the Technology Transfer program. The purpose of the CTR program is to provide an integrated program in long term computational and technology research to address complex problems. The program also supports the operation of large supercomputer user facilities. The FY 1999 budget request includes \$22 million for the "Next Generation Internet" Initiative.

Research Fund for America.—Funding for the national *Spallation Neutron Source* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investments in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

Funding to *Augment Science* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investment in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

Funding for the *Climate Change Technology Initiative* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investment in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

General and special funds—Continued

SCIENCE—Continued

Object Classification (in millions of dollars)

| Identification code 89-0222-0-1-251 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 7 | 20 | 24 |
| 12.1 Civilian personnel benefits | 1 | 4 | 4 |
| 21.0 Travel and transportation of persons | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 5 | 5 | 5 |
| 25.2 Other services | -20 | 148 | 205 |
| 25.3 Purchases of goods and services from Government accounts | 2 | 4 | 4 |
| 25.4 Operation and maintenance of facilities | 528 | 1,107 | 1,150 |
| 25.5 Research and development contracts | 25 | 242 | 275 |
| 31.0 Equipment | 78 | 185 | 208 |
| 32.0 Land and structures | 193 | 190 | 244 |
| 41.0 Grants, subsidies, and contributions | 145 | 363 | 370 |
| 99.9 Total obligations | 960 | 2,269 | 2,490 |

Personnel Summary

| Identification code 89-0222-0-1-251 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 95 | 283 | 280 |

ENERGY SUPPLY

For expenses of the Department of Energy activities including the purchase, construction and acquisition of plant and capital equipment and other expenses necessary for energy supply, [and] uranium supply and enrichment activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction, or [expansion, \$906,807,000] expansion; and the purchase of 22 passenger motor vehicles for replacement only, \$1,129,042,000, to remain available until expended, of which not to exceed \$25,000 may be used for official reception and representation expenses for transparency activities and of which not to exceed \$1,500,000 may be used to pay a portion of the expenses necessary to meet the United States' annual obligations of membership in the Nuclear Energy Agency. (Energy and Water Development Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-0224-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| Direct program: | | | |
| 00.01 Solar and renewable energy | 251 | 297 | 389 |
| 00.02 Nuclear research & development | 234 | 227 | 326 |
| 00.04 Environment, safety and health | 83 | 64 | 76 |
| 00.05 Environmental restoration and waste management | 556 | | |
| 00.06 Biological and environmental research | 377 | | |
| 00.07 Magnetic fusion | 225 | 232 | 228 |
| 00.08 Supporting research and technical analysis | 2 | | |
| 00.09 Multiprogram facilities support | 20 | | |
| 00.10 Technical information management program | 12 | 10 | 10 |
| 00.13 Computational and technology research | 147 | | |
| 00.15 Oak Ridge landlord | | 10 | 12 |
| 00.16 Field operations | 98 | 95 | 105 |
| 00.17 Energy research program direction | 31 | | |
| 00.18 Basic energy sciences | 633 | | |
| 00.19 Small business innovation | 80 | | |
| 00.20 Other | 11 | | |
| 00.21 AVLS development & demonstration program | | 60 | |
| 00.91 Total direct obligations | 2,760 | 995 | 1,146 |
| 01.01 Reimbursable program | 939 | 1,350 | 1,350 |
| 10.00 Total obligations | 3,699 | 2,345 | 2,496 |

Budgetary resources available for obligation:

| | | | |
|---|-------|-------|-------|
| 21.40 Unobligated balance available, start of year: Uninvested | 178 | 251 | 138 |
| 22.00 New budget authority (gross) | 3,767 | 2,256 | 2,479 |
| 22.10 Resources available from recoveries of prior year obligations | 5 | | |
| 22.21 Unobligated balance transferred to other accounts | | -24 | |

| | | | |
|--|--------|--------|--------|
| 23.90 Total budgetary resources available for obligation | 3,950 | 2,483 | 2,617 |
| 23.95 New obligations | -3,699 | -2,345 | -2,496 |
| 24.40 Unobligated balance available, end of year: Uninvested | 251 | 138 | 121 |

New budget authority (gross), detail:

| | | | |
|---|-------|-------|-------|
| Current: | | | |
| 40.00 Appropriation | 2,707 | 907 | 1,129 |
| 40.36 Unobligated balance rescinded | -7 | | |
| 40.79 Line item veto cancellation | | -1 | |
| 41.00 Transferred to other accounts | -4 | | |
| 42.00 Transferred from other accounts | 42 | | |
| 43.00 Appropriation (total) | 2,738 | 906 | 1,129 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Offsetting collections (cash) | 1,029 | 1,350 | 1,350 |
| 70.00 Total new budget authority (gross) | 3,767 | 2,256 | 2,479 |

Change in unpaid obligations:

| | | | |
|--|--------|--------|--------|
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 1,925 | 1,612 | 1,455 |
| 73.10 New obligations | 3,699 | 2,345 | 2,496 |
| 73.20 Total outlays (gross) | -4,021 | -2,237 | -2,355 |
| 73.31 Obligated balance transferred to other accounts | -4 | -265 | |
| 73.32 Obligated balance transferred from other accounts | 17 | | |
| 73.45 Adjustments in unexpired accounts | -5 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 1,612 | 1,455 | 1,596 |

Outlays (gross), detail:

| | | | |
|--|-------|-------|-------|
| 86.90 Outlays from new current authority | 1,344 | 408 | 509 |
| 86.93 Outlays from current balances | 1,648 | 479 | 497 |
| 86.97 Outlays from new permanent authority | 1,029 | 1,350 | 1,350 |
| 87.00 Total outlays (gross) | 4,021 | 2,237 | 2,355 |

Offsets:

| | | | |
|--|--------|--------|--------|
| Against gross budget authority and outlays: | | | |
| Offsetting collections (cash) from: | | | |
| 88.00 Federal sources | -1,029 | -1,225 | -1,225 |
| 88.40 Non-Federal sources | | -125 | -125 |
| 88.90 Total, offsetting collections (cash) | -1,029 | -1,350 | -1,350 |

Net budget authority and outlays:

| | | | |
|------------------------------|-------|-----|-------|
| 89.00 Budget authority | 2,738 | 906 | 1,129 |
| 90.00 Outlays | 2,992 | 887 | 1,005 |

The purpose of energy supply research and development activities is to develop new energy technologies and improve existing energy technologies. Included in this mission are basic and applied research and targeted programs in technology development and market deployment.

This account provides funds for operating expenses, and capital equipment for the advancement of the various energy technologies under examination in the energy supply, research and development mission.

Solar and renewable energy technology.—A strong, balanced program is proposed for FY 1999 that will contribute to strengthening the Nation's energy security, providing a cleaner environment, enhancing global sales of U.S. energy products, and increasing industrial competitiveness and federal technology transfer. The solar and renewable energy program is a major component of the Administration's activities to address global climate change. Program activities range from basic cost-shared research in universities and national laboratories to applied research, development, and field validations in full partnership with private sector manufacturers.

The FY 1999 program continues to work in partnership with industry to develop and promote the use of solar and renewable energy. Specific goals or activities of solar and renewable energy programs include: (1) in photovoltaics: an industry-driven effort in research, production, engineering, and market development; (2) in solar buildings: a focus on cooperative industry and utility efforts to effectively use advanced solar technology for water heating; (3) in solar thermal: working with industry to develop reliable and efficient

power tower and dish/engine systems, while reducing the costs of these emerging technologies and existing parabolic trough systems; (4) in wind energy: developing and testing utility-grade wind turbines in collaboration with utilities and industry; and (5) in biofuels: continued R&D to achieve further reductions in biomass power and biofuels production costs, and to develop high-efficiency thermochemical and biochemical conversion technologies. In addition to these specific technologies, the 1999 Budget continues to take advantage of the synergies between emerging biomass power technologies and new biomass liquid fuel technologies. These developments raise the prospect of profitable "energy crop" farming by rural Americans early in the next century, accompanied by improved rural economic development, increased environmental protection in both urban and rural areas, and new global market opportunities for power technology providers.

The Solar and Renewable Energy programs also include ongoing support for: (1) international solar energy programs such as the interagency Committee on Renewable Commerce and Trade (CORECT), and (2) renewable energy, outreach information, and technical assistance programs.

The Geothermal Energy program supports work with industry and the utility sector to reduce the life-cycle cost of producing electricity with geothermal resources. The Hydropower program addresses the primary environmental mitigation issues associated with licensing and sustaining hydropower production. The Electric Energy Systems and Storage Programs include the development of advanced energy storage systems and the development of wires and power equipment employing advanced high temperature superconducting technology. A key element of the effort is the Superconductivity Partnership Initiative, an industry-DOE collaboration intended to speed the commercialization of superconductivity products. The program continues to produce world-record R&D advances. Energy Storage develops advanced technologies to facilitate the increased utilization of renewable resources. In the Hydrogen program, R&D efforts are focused on reducing the cost of hydrogen production, increasing the capability of hydrogen storage, and validating the benefits of using hydrogen by integrating advanced technologies.

Nuclear Fission.—Nuclear fission programs represent much of the federal government's core competency in nuclear technology. This expertise is critical in assuring that, through its unique research and development activities, the United States government can respond to nuclear energy resource, national security, and safety issues. Because of the nation's reliance on these vital technologies, the Department of Energy continues to invest in services, products, and technologies that are beyond the capability of private industry to fund alone.

The FY 1999 budget request supports the recommendations of the President's Committee of Advisors on Science and Technology (PCAST) to develop an investigator-initiated, peer-reviewed research and development program that will address key issues affecting the future of nuclear energy, including nuclear waste storage and disposal, nuclear plant economics and operational safety, and potential for weapons proliferation, that currently impede nuclear energy from becoming a viable and acceptable energy option in the United States. Projects proposed by universities, national laboratories, and industry will be selected competitively, and partnerships and industry cost-sharing will be encouraged. The Administration's proposal also supports the PCAST recommendation to initiate a cost-shared program with industry to address issues that could impact the continued operation of the nation's 107 nuclear power plants.

Nuclear fission program also include ongoing support to: (1) build and deliver advanced nuclear power systems to NASA and other federal agencies; (2) maintain an adequate supply of radioisotopes for medical and research purposes;

(3) ensure continued U.S. leadership in nuclear technology by supporting nuclear education initiatives; (4) oversee the legacy of the nation's uranium supply and enrichment activities; and (5) complete a demonstration and comprehensive evaluation of the viability and cost-effectiveness of electrometallurgical methods of treating the Department's spent nuclear fuels, taking into account its overall environmental management strategy and the requirements of its geologic disposal program. Funding to continue surveillance and maintenance responsibilities at the Fast Flux Test Facility (FFTF) in Hanford, WA will be transferred from the Office of Environmental Management. The FFTF may have potential application to address the nation's need for new sources of Tritium production.

Environment, safety and health.—The Office of Environment, Safety and Health is a corporate resource that fosters Departmental excellence through innovative leadership in the protection of workers, the public, and the environment. This commitment to excellence will be demonstrated by striving for continuous improvement in developing meaningful programs and policies; conducting independent oversight of environment, safety, health and security performance; and providing technical assistance, resources and information sharing.

The 1999 budget request for the Office of Environment, Safety and Health reflects these priorities. It is important to note that the budget request for the Office of Environment, Safety and Health programs is contained in two accounts: this and Other Defense Activities. The funding in this account supports Technical Assistance, National Environmental Policy Act program, Management and Administration, and Program Direction.

Fusion Energy Sciences Program.—At the direction of the Congress, and with guidance from the National Academy of Sciences and the Department of Energy's Fusion Energy Advisory Committee, the Fusion Energy Sciences Program was significantly restructured in FY 1997. The newly restructured program emphasizes the underlying basic research in plasma and fusion sciences, with the long-term goal of harnessing fusion as a viable energy source. The program centers on the following goals: understanding the physics of plasmas; identification and exploration of innovative and cost effective development paths to fusion energy; and exploration of the science and technology of energy producing plasmas, as a partner in an international effort.

The budget request of \$228 million provides for support of basic research in plasma science, plasma containment research, and investigation of tokamak alternatives, along with continued operation of DIII-D and Alcator C-Mod. The Tokamak Fusion Test Reactor (TFTR) was shut down in FY 1997 with remaining staff collaborating on other machines both domestically and internationally. Fabrication of the NSTX experiment at PPPL will continue. The FY 1999 budget provides \$12 million for the International Thermonuclear Reactor (ITER) joint baseline design following completion of the U.S. participation in the ITER Engineering and Design Activity (EDA), which will be completed in FY 1998. The U.S. plans to continue to participate in the ITER process to support international collaboration in fusion, including the evaluation of a variety of options for a next-generation machine. ITER would address the broad physics and engineering challenges that are generic to any next step toward the goal of fusion energy, and is also consistent with the fusion energy science mission.

Technical information management program.—This program contributes to DOE's missions in advancing energy and nuclear defense technologies and protecting U.S. economic and military security through the effective management and control of the Department's scientific and technical knowledge which is contained in its information resources. Major objectives are the effective management, control, and use of the

General and special funds—Continued

ENERGY SUPPLY—Continued

results of DOE's multibillion dollar research program, and the acquisition and management of results of worldwide investment in energy R&D.

Policy and management.—Provides executive direction, management assistance, and administrative support to all programs within energy supply activities.

Field Operations.—This account funds the Department's multiprogram Field Operations Offices. The four affected field operations offices are located at Chicago, Idaho, Oak Ridge, and Oakland. They perform functions in support of energy activities throughout the country. Among these functions are field procurement, engineering and construction management, environmental safety and health monitoring, property management, labor relations, legal counsel, and maintenance of personnel and financial systems. These federal employees conduct the management oversight of the management and operating contractor employees spread across the four field installations.

Research Fund for America.—Funding for *Fusion* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investments in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

Funding for the *Climate Change Technology Initiative* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investments in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

Object Classification (in millions of dollars)

| Identification code 89-0224-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 116 | 73 | 78 |
| 11.3 Other than full-time permanent | 4 | 3 | 3 |
| 11.5 Other personnel compensation | 4 | 3 | 3 |
| 11.9 Total personnel compensation | 124 | 79 | 84 |
| 12.1 Civilian personnel benefits | 24 | 15 | 16 |
| 13.0 Benefits for former personnel | 3 | 2 | 2 |
| 21.0 Travel and transportation of persons | 6 | 4 | 4 |
| 23.1 Rental payments to GSA | 3 | 2 | 2 |
| 23.2 Rental payments to others | 33 | 20 | 22 |
| 23.3 Communications, utilities, and miscellaneous charges | 338 | 212 | 227 |
| 24.0 Printing and reproduction | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 47 | 29 | 32 |
| 25.2 Other services | 356 | 223 | 239 |
| 25.3 Purchases of goods and services from Government accounts | 94 | 59 | 63 |
| 25.4 Operation and maintenance of facilities | 1,877 | 1,177 | 1,257 |
| 25.5 Research and development contracts | 142 | 89 | 95 |
| 25.7 Operation and maintenance of equipment | 6 | 4 | 4 |
| 26.0 Supplies and materials | 2 | 1 | 1 |
| 31.0 Equipment | 75 | 47 | 50 |
| 32.0 Land and structures | 110 | 69 | 74 |
| 41.0 Grants, subsidies, and contributions | 458 | 312 | 323 |
| 99.9 Total obligations | 3,699 | 2,345 | 2,496 |

Personnel Summary

| Identification code 89-0224-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 1,931 | 1,560 | 1,676 |

NON-DEFENSE ENVIRONMENTAL MANAGEMENT

For Department of Energy expenses, including the purchase, construction and acquisition of plant and capital equipment and other expenses necessary for non-defense environmental management activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition or condemnation of any real property or any facility or for plant or facility acquisition, construction or expansion, **[\$497,059,000]** \$462,000,000, to remain available until expended. (*Energy and Water Development Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0250-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Environmental restoration | | 274 | |
| 00.02 Waste management | | 153 | |
| 00.03 Nuclear material and facility stabilization | | 71 | |
| 00.04 Site closure | | | 254 |
| 00.05 Site/project completion | | | 97 |
| 00.06 Post 2006 completion | | | 84 |
| 00.07 Science and technology | | | 27 |
| 10.00 Total obligations (object class 25.2) | | 498 | 462 |
| Budgetary resources available for obligation: | | | |
| 22.00 New budget authority (gross) | | 497 | 462 |
| 22.22 Unobligated balance transferred from other accounts | | 1 | |
| 23.90 Total budgetary resources available for obligation | | 498 | 462 |
| 23.95 New obligations | | -498 | -462 |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | | 497 | 462 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | | | 225 |
| 73.10 New obligations | | 498 | 462 |
| 73.20 Total outlays (gross) | | -538 | -490 |
| 73.32 Obligated balance transferred from other accounts | | 265 | |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | | 225 | 197 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | | 348 | 323 |
| 86.93 Outlays from current balances | | 190 | 167 |
| 87.00 Total outlays (gross) | | 538 | 490 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | 497 | 462 |
| 90.00 Outlays | | 538 | 490 |

Environmental Management.—The Office of Environmental Management (EM) manages the thousands of contaminated areas and buildings, large waste volumes, and nuclear materials left over from the nuclear weapons production process. In June 1996, EM began working toward a long-range goal of completing cleanup at most sites within a decade. FY 1999 represents the first fiscal year in which the budget structure is based on projects. This budget structure differentiates by completion dates and end states rather than by activities performed.

The FY 1999 budget request will support the following major program areas:

Site Closure.—Provides funding for sites that will meet the goal of site closure by 2006. The creation of this account supports the reduction of long-term costs. There will not be a Departmental mission at sites within this account beyond 2006 except for limited long-term surveillance and maintenance (i.e., pump and treat). Examples of sites included under this account are Monticello, Utah; and Weldon Spring, Missouri.

Site/Project Completion.—Provides funding for projects that will be completed by 2006 at national laboratories or other facilities where DOE will continue to have a pres-

ence beyond the year 2006. Examples of sites with projects included in this account are Argonne-East, Illinois; and the Idaho National Engineering and Environmental Laboratory, Idaho.

Post 2006 Completion.—Provides funding for projects that will continue after 2006. Included are projects at various sites including the Oak Ridge Reservation, Tennessee.

Office of Science and Technology.—Conducts technology development activities which focus on the Department's major environmental management issues to reduce risk to workers, the public, and the environment, reduce cleanup costs; and/or provide solutions that do not exist to current problems shared by multiple sites.

Activities performed include: environmental restoration, which provides for assessments, characterization, remediation, and decontamination and decommissioning of contaminated DOE facilities and sites; waste management, which provides for the safe, treatment, storage, and disposal of wastes generated by defense activities; and, nuclear material and facility stabilization, which provides for stabilization, safeguarding, interim storage, and stewardship of excess nuclear materials, awaiting ultimate disposition.

EM will continue to improve the efficiency of its programs through a variety of management and contracting strategies. In addition to privatization efforts, emphasis will continue on the reduction of support costs and implementation of performance-based contracts.

URANIUM SUPPLY AND ENRICHMENT ACTIVITIES

Program and Financing (in millions of dollars)

| Identification code 89-0226-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Operating expenses | 57 | 1 | |
| 01.01 Capital investment | 3 | | |
| 10.00 Total obligations | 60 | 1 | |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 19 | 1 | |
| 22.00 New budget authority (gross) | 42 | | |
| 23.90 Total budgetary resources available for obligation | 61 | 1 | |
| 23.95 New obligations | -60 | -1 | |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 1 | | |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 43 | | |
| 41.00 Transferred to other accounts | -1 | | |
| 43.00 Appropriation (total) | 42 | | |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 81 | 50 | |
| 73.10 New obligations | 60 | 1 | |
| 73.20 Total outlays (gross) | -91 | -51 | |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 50 | | |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 30 | | |
| 86.93 Outlays from current balances | 61 | 51 | |
| 87.00 Total outlays (gross) | 91 | 51 | |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 42 | | |
| 90.00 Outlays | 90 | 51 | |

Uranium Programs.—Beginning in fiscal year 1998, these programs are funded in the Energy Supply account.

Object Classification (in millions of dollars)

| Identification code 89-0226-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 2 | | |
| 12.1 Civilian personnel benefits | 1 | | |
| 25.1 Advisory and assistance services | 1 | | |
| 25.2 Other services | 4 | | |
| 25.4 Operation and maintenance of facilities | 49 | 1 | |
| 32.0 Land and structures | 3 | | |
| 99.9 Total obligations | 60 | 1 | |

Personnel Summary

| Identification code 89-0226-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 45 | | |

FOSSIL ENERGY RESEARCH AND DEVELOPMENT

For necessary expenses in carrying out fossil energy research and development activities, under the authority of the Department of Energy Organization Act (Public Law 95-91), including the acquisition of interest, including defeasible and equitable interests in any real property or any facility or for plant or facility acquisition or expansion, and for conducting inquiries, technological investigations and research concerning the extraction, processing, use, and disposal of mineral substances without objectionable social and environmental costs (30 U.S.C. 3, 1602, and 1603), performed under the minerals and materials science programs at the Albany Research Center in Oregon, **[\$362,403,000]** *\$383,408,000*, to remain available until expended: *Provided*, That no part of the sum herein made available shall be used for the field testing of nuclear explosives in the recovery of oil and gas. (*Department of the Interior and Related Agencies Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0213-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Coal research and development | 106 | 110 | 131 |
| 00.02 Oil, gas, and shale research and development | 164 | 177 | 158 |
| 00.03 Program direction and management support | 68 | 67 | 67 |
| 00.05 Environmental restoration | 12 | 13 | 11 |
| 00.06 Cooperative R&D ventures | 5 | 6 | 6 |
| 00.07 Fuels conversion (natural gas and electricity) | 2 | 2 | 2 |
| 00.08 Plant and capital equipment | 2 | 3 | 3 |
| 00.09 Mining research and development | 6 | 5 | 5 |
| 10.00 Total obligations | 365 | 383 | 383 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 27 | 21 | |
| 22.00 New budget authority (gross) | 359 | 362 | 383 |
| 22.10 Resources available from recoveries of prior year obligations | 6 | | |
| 22.21 Unobligated balance transferred to other accounts | -5 | | |
| 23.90 Total budgetary resources available for obligation | 387 | 383 | 383 |
| 23.95 New obligations | -365 | -383 | -383 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 21 | | |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 365 | 362 | 383 |
| 41.00 Transferred to other accounts | -6 | | |
| 43.00 Appropriation (total) | 359 | 362 | 383 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 350 | 288 | 300 |
| 73.10 New obligations | 365 | 383 | 383 |
| 73.20 Total outlays (gross) | -421 | -371 | -370 |
| 73.32 Obligated balance transferred from other accounts | 2 | | |
| 73.45 Adjustments in unexpired accounts | -6 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 288 | 300 | 313 |

General and special funds—Continued

FOSSIL ENERGY RESEARCH AND DEVELOPMENT—Continued

Program and Financing (in millions of dollars)—Continued

| Identification code 89-0213-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 168 | 145 | 153 |
| 86.93 Outlays from current balances | 253 | 226 | 217 |
| 87.00 Total outlays (gross) | 421 | 371 | 370 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 359 | 362 | 383 |
| 90.00 Outlays | 421 | 371 | 370 |

The Fossil Energy R&D programs support the Energy Policy Act through research and development that will strengthen the technology base on which industry can draw in developing future new products and processes for the commercial market. The programs support activities ranging from basic research in universities and national laboratories to applied R&D and proof-of-concept projects in private sector firms.

The Fossil Energy R&D programs will continue limited Federal support of company-specific technology development and demonstration activities. The program continues to fund high-priority, high risk and cross-cutting research that will improve the Nation's ability to cleanly and efficiently use coal, and to enhance the economic recovery of our oil and gas reserves.

Coal R&D.—Programs will continue to focus on meeting the new goals and objectives and changing mission of the Department of Energy. An integrated research and development program consisting of: (1) Advanced Clean/Efficient Power Systems, (2) Advanced Fuels Research, and (3) Advanced Research and Technology Development continues to advance clean coal technology development.

Advanced clean/efficient Power Systems research and development concentrates on a set of building-block technologies that will yield the clean coal power generation systems of the future. Typically, many technologies contribute toward advancing any single system. By focusing on building-block technologies that will improve a variety of systems, the Department's program makes optimal use of funds for development and demonstration. These systems that hold great promise for commercial use include: Advanced Pulverized Coal-fired Powerplants, High Efficiency Pressurized Fluidized Bed Combustion, High Efficiency Integrated Gasification Combined Cycles, Indirectly Fired Cycles, and Advanced Research and Environmental Technology.

The Advanced Clean Fuels Research program will conduct activities to develop clean methods to produce coal-derived liquid fuels. This research consists of Coal Preparation, Direct Liquefaction, Indirect Liquefaction, and Advanced Research & Environmental Technology.

Oil and gas.—The oil program encompasses new and improved oil recovery and related research and development, industry cost-shared demonstration of improved and advanced oil recovery methods, and environmental research activities directed to facilitate environmentally acceptable exploration and production of domestic oil resources. The Department plans to discontinue research directed to improve technology needed to economically refine domestic crude oils.

The natural gas program emphasizes enhanced gas production, storage technology, and high efficiency, low NO_x turbines.

As in all other programs, industry and Gas Research Institute cost-sharing is a key feature. The national laboratory partnership focuses on the transfer of Defense-developed technology to the oil and gas industry. The fuel cells program will continue to support development of highly efficient, envi-

ronmental friendly technologies for generating electrical and thermal energy.

The request also includes funding for the advanced metallurgical research program at the Albany Research Center in Oregon, which was formerly funded by the Bureau of Mines.

Program direction and management support.—This program provides the funding for all Headquarters and indirect field personnel and overhead expenses in Fossil Energy. In addition, it provides support for day-to-day project management functions.

Environmental restoration.—The Department of Energy is assisting in payments for the environmental clean-up of former Fossil Energy projects as required by the Environmental Protection Agency. Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) sites include the Western Superfund Site at Ft. Lewis, Washington, and the Rock Springs and Hoe Creek Sites in Wyoming. Resource Conservation Recovery Act (RCRA) efforts are underway at the Federal Energy Technology Center Morgantown Office (formerly the Morgantown Energy Technology Center) to eliminate cross-connections between sewer and storm water lines, and at the Federal Energy Technology Center Pittsburgh Office (formerly the Pittsburgh Energy Technology Center) to clean up contaminated soil and monitor groundwater. In addition, as a result of internal DOE evaluations other efforts are underway at both sites of the Federal Energy Technology Center to correct a number of other environmental problems.

Fuels conversion.—This program will continue regulatory reviews and oversight of the transmission of natural gas and electricity across the U.S. borders and to process certifications of alternate fuel capability.

Research Fund for America.—Funding for the *Climate Change Technology Initiative* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investments in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

Object Classification (in millions of dollars)

| Identification code 89-0213-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 38 | 38 | 40 |
| 11.3 Other than full-time permanent | 1 | 1 | 1 |
| 11.5 Other personnel compensation | 1 | 1 | 1 |
| 11.9 Total personnel compensation | 40 | 40 | 42 |
| 12.1 Civilian personnel benefits | 8 | 9 | 9 |
| 13.0 Benefits for former personnel | | | 1 |
| 21.0 Travel and transportation of persons | 2 | 2 | 2 |
| 23.3 Communications, utilities, and miscellaneous charges | 3 | 3 | 3 |
| 25.1 Advisory and assistance services | 28 | 27 | 26 |
| 25.2 Other services | 27 | 30 | 29 |
| 25.3 Purchases of goods and services from Government accounts | 10 | 11 | 10 |
| 25.4 Operation and maintenance of facilities | 49 | 51 | 53 |
| 25.5 Research and development contracts | 178 | 189 | 187 |
| 26.0 Supplies and materials | 6 | 6 | 6 |
| 31.0 Equipment | 2 | 2 | 2 |
| 32.0 Land and structures | 2 | 2 | 2 |
| 41.0 Grants, subsidies, and contributions | 10 | 11 | 11 |
| 99.9 Total obligations | 365 | 383 | 383 |

Personnel Summary

| Identification code 89-0213-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 671 | 683 | 683 |

NAVAL PETROLEUM AND OIL SHALE RESERVES

For necessary expenses in carrying out naval petroleum and oil shale reserve activities, [\$107,000,000, and such sums as are necessary to operate Naval Petroleum Reserve Numbered 1 between May 16, 1998 and September 30, 1998] \$22,500,000, to remain available until expended: *Provided*, That [notwithstanding any other provision of law, revenues received from use and operation of Naval Petroleum Reserve Numbered 1 in excess of \$163,000,000 shall be used to offset the costs of operating Naval Petroleum Reserve Numbered 1 between May 16, 1998 and September 30, 1998: *Provided further*, That revenues retained pursuant to the first proviso under this heading in Public Law 102-381 (106 Stat. 1404) shall be immediately transferred to the general fund of the Treasury: *Provided further*, That] the requirements of 10 U.S.C. 7430(b)(2)(B) shall not apply to fiscal year [1998] 1999. (*Department of the Interior and Related Agencies Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0219-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Direct program | 142 | 114 | 28 |
| 09.01 Reimbursable program | 4 | 3 | |
| 10.00 Total obligations | 146 | 117 | 28 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 438 | 440 | 8 |
| 22.00 New budget authority (gross) | 148 | 110 | 23 |
| 22.40 Capital transfer to general fund | | -425 | |
| 23.90 Total budgetary resources available for obligation | 586 | 125 | 31 |
| 23.95 New obligations | -146 | -117 | -28 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 440 | 8 | 3 |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.00 Appropriation | 144 | 107 | 23 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Off- | | | |
| setting collections (cash) | 4 | 3 | |
| 70.00 Total new budget authority (gross) | 148 | 110 | 23 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 109 | 72 | 66 |
| 73.10 New obligations | 146 | 117 | 28 |
| 73.20 Total outlays (gross) | -183 | -123 | -58 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 72 | 66 | 36 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 59 | 66 | 14 |
| 86.93 Outlays from current balances | 122 | 55 | 44 |
| 86.97 Outlays from new permanent authority | | 3 | |
| 87.00 Total outlays (gross) | 183 | 123 | 58 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| 88.40 Offsetting collections (cash) from: Non-Federal | | | |
| sources | -4 | -3 | |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 144 | 107 | 23 |
| 90.00 Outlays | 179 | 120 | 58 |

In the past, this program has included activities necessary to operate, explore, conserve, develop, and produce oil, gas, and associated hydrocarbons from the naval petroleum reserves at the maximum efficient rate, and to conserve and protect the oil shale reserves. This has included routine operation and maintenance, development and exploration drilling, environmental and conservation work, and construction and installation of on-reserve facilities and related systems required for the collection, storage, and distribution of produced petroleum and related products. The naval petroleum reserves

has been a positive source of revenue for the Treasury since the resulting oil and gas production was sold commercially.

Public Law 104-106 required the sale of Elk Hills by February 10, 1998. Elk Hills is the major oil and natural gas field located near Bakersfield, California that accounts for the bulk of this program. Accordingly, DOE structured a competitive sale, and, on October 6, 1997, announced it agreed to sell all of the government's interest in Elk Hills to Occidental Petroleum for \$3.65 billion, retroactive to October 1, 1997. Closing the transaction is scheduled to occur on February 2, 1998.

Public Law 104-106 also required DOE to retain an independent petroleum consultant to conduct a study to determine the best options for maximizing the value of the remaining Reserves. The study recommends the Department retain NPR-3 (Teapot Dome). While efforts will continue to be directed toward maintaining a positive net cash flow through normal operations, the work at Teapot Dome will increasingly focus on environmental remediation, abandoning marginal and unproductive wells, and preparation for abandonment when the oil field reaches its economic limit. Although no future development activities are planned, NPR-3 should continue to operate economically through approximately FY 2003. At that time, subject to authorizing legislation, NPR-3 is expected to be turned over to the private sector or abandoned, coinciding with completion of the well abandonment program which commences in FY 1998.

Under the Rocky Mountain Oilfield Testing Center (RMOTC) program, the naval petroleum reserves offers Naval Petroleum Reserve No. 3 (Teapot Dome) to the oil industry for use as a working laboratory on a cost-sharing basis. Teapot Dome is a unique opportunity for the industry to test and evaluate innovative production techniques in an impartial setting. Eventually, the naval petroleum reserve program hopes to transfer the RMOTC program to a consortium of private and educational institutions for continued operation.

Object Classification (in millions of dollars)

| Identification code 89-0219-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Direct obligations: | | | |
| 11.1 Personnel compensation: Full-time permanent | 5 | 5 | 5 |
| 12.1 Civilian personnel benefits | 1 | 3 | 1 |
| 25.1 Advisory and assistance services | 12 | 3 | 3 |
| 25.2 Other services | 117 | 99 | 17 |
| 25.4 Operation and maintenance of facilities | 7 | 3 | 1 |
| 99.0 Subtotal, direct obligations | 142 | 113 | 27 |
| 99.0 Reimbursable obligations | 4 | 3 | |
| 99.5 Below reporting threshold | | 1 | 1 |
| 99.9 Total obligations | 146 | 117 | 28 |

Personnel Summary

| Identification code 89-0219-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent | | | |
| employment | 70 | 64 | 60 |

ENERGY CONSERVATION

For necessary expenses in carrying out energy conservation activities, [\$611,723,000], \$808,500,000 to remain available until expended, including, notwithstanding any other provision of law, the excess amount for fiscal year [1998] 1999 determined under the provisions of section 3003(d) of Public Law 99-509 (15 U.S.C. 4502): *Provided*, That [\$155,095,000] \$191,100,000 shall be for use in energy conservation programs as defined in section 3008(3) of Public Law 99-509 (15 U.S.C. 4507) and shall not be available until excess amounts are determined under the provisions of section 3003(d) of Public Law 99-509 (15 U.S.C. 4502): *Provided further*, That notwithstanding section 3003(d)(2) of Public Law 99-509 such sums shall be allocated to the eligible programs as follows: [\$124,845,000]

General and special funds—Continued**ENERGY CONSERVATION—Continued**

\$154,100,000 for weatherization assistance grants and [\$30,250,000] \$37,000,000 for State energy conservation grants. (Department of the Interior and Related Agencies Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-0215-0-1-272 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Building technology, State and community programs—non-grant | 87 | 81 | 127 |
| 00.02 Building technology, State and community programs—grants | 148 | 156 | 191 |
| 00.03 Federal energy management program | 20 | 20 | 34 |
| 00.04 Industrial sector | 114 | 139 | 167 |
| 00.05 Transportation sector | 172 | 195 | 246 |
| 00.06 Policy and management | 33 | 29 | 44 |
| 10.00 Total obligations | 574 | 620 | 809 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 18 | 8 | |
| 22.00 New budget authority (gross) | 563 | 612 | 809 |
| 22.10 Resources available from recoveries of prior year obligations | 1 | | |
| 23.90 Total budgetary resources available for obligation | 582 | 620 | 809 |
| 23.95 New obligations | -574 | -620 | -809 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 8 | | |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.00 Appropriation | 539 | 591 | 774 |
| 41.00 Transferred to other accounts | -6 | | |
| 43.00 Appropriation (total) | 533 | 591 | 774 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Offsetting collections (cash) | 30 | 21 | 35 |
| 70.00 Total new budget authority (gross) | 563 | 612 | 809 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 594 | 565 | 613 |
| 73.10 New obligations | 574 | 620 | 809 |
| 73.20 Total outlays (gross) | -602 | -572 | -673 |
| 73.45 Adjustments in unexpired accounts | -1 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 565 | 613 | 749 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 169 | 177 | 232 |
| 86.93 Outlays from current balances | 403 | 374 | 325 |
| 86.97 Outlays from new permanent authority | 30 | 21 | 35 |
| 86.98 Outlays from permanent balances | | | 81 |
| 87.00 Total outlays (gross) | 602 | 572 | 673 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| 88.40 Offsetting collections (cash) from: Non-Federal sources | -30 | -21 | -35 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 533 | 591 | 774 |
| 90.00 Outlays | 572 | 551 | 638 |

The Administration's energy efficiency programs produce substantial benefits for the Nation—both now and in the future—in terms of economic growth, increased national security and a cleaner environment through the research and development of energy efficiency and pollution prevention technologies. These programs carry out the Department's responsibility under the bipartisan Energy Policy Act of 1992 and other major pieces of authorizing legislation.

The dollar benefits of our carefully constructed programs—to industries, homeowners, and commercial firms—far exceed

program costs. Furthermore, the technologies developed in these programs create jobs and global market opportunities for U.S. firms. These programs are a major component of the Administration's climate change response, and when the benefits to energy security and the environment are included, it is clear that these programs represent important investments in a clean, productive future.

In total, the Department's energy efficiency programs are projected to save consumers and businesses over \$20 billion per year by the year 2010. Our transportation technologies research is designed to reduce oil imports thereby substantially reducing the cost of imported oil.

The activities and programs contained in the 1999 Budget Request represent a balanced portfolio of research and development, applied research and demonstration, and market introduction. Virtually all of the research and development programs are conducted jointly with industrial partners who share significantly in research costs, often paying 33 to 50 percent or more. Similarly, demonstration and deployment programs are specifically designed to leverage the existing programs and the efforts of utilities and existing state and local government programs in energy efficiency and pollution prevention.

Building Technology, State and Community Programs.—Research and development to improve the energy efficiency of appliances, building equipment, and the building envelope is complemented by new programs designed to move advanced technologies into the marketplace and produce near-term energy savings with associated economic and environmental benefits. Voluntary partnerships for lowering the barriers to cost-effective, new technologies based on the Energy Policy Act of 1992 represent collaborations with many stakeholders, including manufacturers, utilities, State and local organizations, and the general public. The program to develop appliance and lighting test procedures and standards is utilizing new collaborative processes and analytical approaches in order to ensure participation by all interested stakeholders. The program to encourage building efficiency codes and standards will focus on expanded voluntary programs. The State and Local Partnership Program, which includes the Weatherization Assistance Program and the State Energy Program is designed to promote the adoption of energy efficient and renewable technologies among States, municipalities, institutions, and by private citizens.

Federal Energy Management Program.—The Federal Energy Management Program (FEMP) will continue to reduce the cost of government by advancing energy efficiency and water conservation, and to use renewable energy as a means to reduce energy costs. FEMP's major emphasis will be on using private sector investments to retrofit federal facilities using energy savings performance contracting, thus leveraging federal dollars to the maximum.

Industrial Sector.—The program focuses on funding cost-shared research in critical technology areas identified by industry. Through its "Industries of the Future" initiative, the Office of Industrial Technologies (OIT) encourages the most energy-intensive industries to develop a strategic vision and a "technology roadmap" to help achieve that vision. By identifying and prioritizing their technology needs, the industries help OIT target its R&D resources toward where they can do the most good. The energy-intensive and environmentally sensitive industries targeted by OIT include chemicals, petroleum refining, forest products, steel, aluminum, metal casting, and glass. The focus is on high risk but promising technologies that decrease these industries' use of raw materials and depletable energy resources and reduce generation of wastes and pollutants. OIT's Industries of the Future R&D portfolio is balanced with crosscutting technology development programs in such areas as cogeneration, advanced materials and combustion. In addition, technology access programs such

as Motor Challenge, the National Industrial Competitiveness through Energy, Environment and Economics (NICE3) program, Climate Wise, Invention and Innovation and the Industrial Assessment Centers help further round out OIT's overall portfolio.

Transportation Sector.—The program continues development and commercialization of technologies which can radically alter current projections of U.S. and world demand for energy, particularly oil. The program represents a major portion of the Partnership for the Next Generation of Vehicles with its significant improvements in fuel economy and environmental emissions including criteria pollutants and carbon dioxide. Program priorities reflect work on technologies which are most critical to achieve a tripling of light duty vehicles fuel economy, including hybrid vehicles, fuel cells, compression ignition direct injection diesel engines, and advanced materials technologies that improve engine efficiency and reduce weight. In addition, the program will continue to develop alternative fuels and vehicles, and advanced batteries that enable the use of electricity as an alternative fuel, and technologies for enabling fuel flexibility and fuel economy in heavy trucks. These activities include demonstrating advanced alternative fuel vehicles that provide improved range and reduced emissions, with performance equivalent to conventional vehicles; accelerating the use of alternative fuels and vehicles through implementation of Energy Policy Act programs; and continuing support for the U.S. Advanced Battery Consortium and demonstrating continued progress in improving range and performance for electric and hybrid vehicles.

Policy and Management.—This activity provides program management for all of the Energy Conservation programs, and supports management in the development of policy and program evaluation for energy conservation programs to ensure effective program delivery.

Research Fund for America.—Funding for the *Climate Change Technology Initiative* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investments in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

Object Classification (in millions of dollars)

| Identification code 89-0215-0-1-272 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 26 | 27 | 28 |
| 11.3 Other than full-time permanent | 1 | 2 | 2 |
| 11.5 Other personnel compensation | 1 | 2 | 2 |
| 11.9 Total personnel compensation | 28 | 31 | 32 |
| 12.1 Civilian personnel benefits | 6 | 7 | 7 |
| 13.0 Benefits for former personnel | 1 | 2 | 2 |
| 21.0 Travel and transportation of persons | 3 | 4 | 5 |
| 23.1 Rental payments to GSA | 2 | 2 | 3 |
| 23.3 Communications, utilities, and miscellaneous charges | 1 | 2 | 3 |
| 25.1 Advisory and assistance services | 24 | 27 | 37 |
| 25.2 Other services | 15 | 17 | 24 |
| 25.3 Purchases of goods and services from Government accounts | 5 | 6 | 9 |
| 25.4 Operation and maintenance of facilities | 201 | 210 | 280 |
| 25.5 Research and development contracts | 71 | 81 | 112 |
| 26.0 Supplies and materials | 1 | 2 | 3 |
| 31.0 Equipment | 1 | 2 | 2 |
| 41.0 Grants, subsidies, and contributions | 215 | 227 | 290 |
| 99.9 Total obligations | 574 | 620 | 809 |

Personnel Summary

| Identification code 89-0215-0-1-272 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 432 | 434 | 420 |

STRATEGIC PETROLEUM RESERVE
[(INCLUDING TRANSFER OF FUNDS)]

For necessary expenses for Strategic Petroleum Reserve facility development and operations and program management activities pursuant to the Energy Policy and Conservation Act of 1975, as amended (42 U.S.C. 6201 et seq.), **[\$207,500,000]** \$160,120,000, to remain available until expended, of which \$207,500,000 shall be repaid from the "SPR Operating Fund" from amounts made available from the sale of oil from the Reserve: *Provided*, That notwithstanding section 161 of the Energy Policy and Conservation Act of 1975, the Secretary shall draw down and sell in fiscal year 1998, \$207,500,000 worth of oil from the Strategic Petroleum Reserve: *Provided further*, That the proceeds from the sale shall be deposited into the "SPR Operating Fund", and shall, upon receipt, be transferred to the Strategic Petroleum Reserve account for operations of the Strategic Petroleum Reserve. (Department of the Interior and Related Agencies Appropriations Act, 1998.)

Unavailable Collections (in millions of dollars)

| Identification code 89-0218-0-1-274 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | | | |
| Receipts: | | | |
| 02.02 Receipts | 220 | 208 | |
| Appropriation: | | | |
| 05.01 Appropriation | -220 | -208 | |
| 07.99 Total balance, end of year | | | |

Program and Financing (in millions of dollars)

| Identification code 89-0218-0-1-274 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Storage facilities operations | 245 | 193 | 144 |
| 00.02 Management | | 16 | 16 |
| 10.00 Total obligations | 245 | 209 | 160 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 77 | 41 | 40 |
| 22.00 New budget authority (gross) | 209 | 208 | 160 |
| 23.90 Total budgetary resources available for obligation | 286 | 249 | 200 |
| 23.95 New obligations | -245 | -209 | -160 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 41 | 40 | 40 |

New budget authority (gross), detail:

| | | | |
|--|-----|-----|-----|
| 40.00 Appropriation | | | 160 |
| 40.25 Appropriation (special fund, indefinite) | 220 | 208 | |
| 40.35 Appropriation rescinded | -11 | | |
| 43.00 Appropriation (total) | 209 | 208 | 160 |

Change in unpaid obligations:

| | | | |
|---|------|------|------|
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 149 | 151 | 144 |
| 73.10 New obligations | 245 | 209 | 160 |
| 73.20 Total outlays (gross) | -242 | -216 | -182 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 151 | 144 | 122 |

Outlays (gross), detail:

| | | | |
|--|-----|-----|-----|
| 86.90 Outlays from new current authority | 133 | 114 | 88 |
| 86.93 Outlays from current balances | 109 | 102 | 94 |
| 87.00 Total outlays (gross) | 242 | 216 | 182 |

Net budget authority and outlays:

| | | | |
|------------------------------|-----|-----|-----|
| 89.00 Budget authority | 209 | 208 | 160 |
| 90.00 Outlays | 242 | 216 | 182 |

The object of this program is to reduce the vulnerability of the United States to energy supply disruptions by maintaining a crude oil stockpile capable of rapid deployment at the direction of the President. This program enables the President to meet the Nation's membership commitments within the International Energy Agency's coordinated energy

General and special funds—Continued

STRATEGIC PETROLEUM RESERVE—Continued

[(INCLUDING TRANSFER OF FUNDS)]—Continued

emergency response plans and programs to deter the use of energy supply disruptions and to take effective, co-ordinated action should such an energy supply disruption occur.

The account provides for petroleum reserve storage facility construction, ongoing operations and maintenance activities, planning studies, and program administration.

The key measure of program performance is expressed as capability to comply with Level 1 Performance Criteria. These criteria are specific engineered performance and reliability standards applied to critical inventory storage, drawdown, and distribution systems required for drawing down and distributing crude oil inventory.

Object Classification (in millions of dollars)

| Identification code 89-0218-0-1-274 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 9 | 9 | 9 |
| 12.1 Civilian personnel benefits | 2 | 2 | 2 |
| 21.0 Travel and transportation of persons | 1 | 1 | 1 |
| 23.2 Rental payments to others | 2 | 1 | 1 |
| 23.3 Communications, utilities, and miscellaneous charges | 2 | 5 | 5 |
| 25.1 Advisory and assistance services | 2 | 4 | 4 |
| 25.2 Other services | 25 | 2 | 2 |
| 25.3 Purchases of goods and services from Government accounts | | 1 | 1 |
| 25.4 Operation and maintenance of facilities | 202 | 184 | 135 |
| 99.9 Total obligations | 245 | 209 | 160 |

Personnel Summary

| Identification code 89-0218-0-1-274 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 141 | 137 | 135 |

SPR PETROLEUM ACCOUNT

[Notwithstanding 42 U.S.C. 6240(d), the United States share of crude oil in Naval Petroleum Reserve Numbered 1 (Elk Hills) may be sold or otherwise disposed of to other than the Strategic Petroleum Reserve: *Provided*, That outlays in fiscal year 1998 resulting from the use of funds in this account shall not exceed \$5,000,000]. (*Department of the Interior and Related Agencies Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0233-0-1-274 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations | | 5 | 5 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 33 | 33 | 28 |
| 23.95 New obligations | | -5 | -5 |
| 24.40 Unobligated balance available, end of year: Uninvested | 33 | 28 | 23 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 3 | 3 | 3 |
| 73.10 New obligations | | 5 | 5 |
| 73.20 Total outlays (gross) | | -5 | -5 |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 3 | 3 | 3 |
| Outlays (gross), detail: | | | |
| 86.93 Outlays from current balances | | 5 | 5 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | | |
| 90.00 Outlays | | 5 | 5 |

This account provides for the acquisition, transportation, and injection of petroleum into the Strategic Petroleum Reserve and for its drawdown and distribution. The budget provides no additional appropriations in 1999 for SPR oil purchases. The small remaining balance will support drawdown/distribution readiness and the incremental costs of drawdown in the event of an energy emergency.

Object Classification (in millions of dollars)

| Identification code 89-0233-0-1-274 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 25.2 Other services | | 1 | 1 |
| 25.3 Purchases of goods and services from Government accounts | | 4 | 4 |
| 99.9 Total obligations | | 5 | 5 |

ENERGY INFORMATION ADMINISTRATION

For necessary expenses in carrying out the activities of the Energy Information Administration, [\$66,800,000] \$70,500,000, to remain available until expended. (*Department of the Interior and Related Agencies Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0216-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations | 66 | 70 | 71 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 3 | 3 | |
| 22.00 New budget authority (gross) | 66 | 67 | 71 |
| 23.90 Total budgetary resources available for obligation | 69 | 70 | 71 |
| 23.95 New obligations | -66 | -70 | -71 |
| 24.40 Unobligated balance available, end of year: Uninvested | 3 | | |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 66 | 67 | 71 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 26 | 16 | 20 |
| 73.10 New obligations | 66 | 70 | 71 |
| 73.20 Total outlays (gross) | -75 | -67 | -70 |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 16 | 20 | 21 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 50 | 47 | 50 |
| 86.93 Outlays from current balances | 25 | 19 | 20 |
| 87.00 Total outlays (gross) | 75 | 67 | 70 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 66 | 67 | 71 |
| 90.00 Outlays | 75 | 67 | 70 |

This program supports energy information activities which are designed to provide timely, accurate and relevant energy information for use by the Administration, the Congress, and the general public. The activities funded in this program include the design, development and maintenance of information systems on petroleum, natural gas, coal, nuclear, electricity, alternate fuel sources, and energy consumption. This includes collecting data and ensuring its accuracy; preparing forecasts of alternative energy futures; and preparing reports on energy sources, end-uses, prices, supply and demand, and associated environmental, economic, international, and financial matters. In addition, the National Energy Information Center disseminates statistical and analytical publications, reports, and data files in hard-copy and electronic formats, and responds to public inquiries. Finally, this activity pro-

vides survey and statistical design standards, documentation standards, and energy data public-use forms clearance and burden control services.

Research Fund for America.—Funding for the *Climate Change Technology Initiative* is proposed as part of the Research Fund for America. This proposal highlights the Administration's priority to provide needed and sustained investments in important Federal research programs on a deficit neutral basis. A discussion of the Research Fund for America, and two other funds for the environment and transportation, can be found in Section II of the *Budget* volume.

Object Classification (in millions of dollars)

| Identification code 89-0216-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 26 | 25 | 25 |
| 11.3 Other than full-time permanent | 1 | 1 | 1 |
| 11.5 Other personnel compensation | 1 | 1 | 1 |
| 11.9 Total personnel compensation | 28 | 27 | 27 |
| 12.1 Civilian personnel benefits | 5 | 5 | 4 |
| 23.1 Rental payments to GSA | 6 | 5 | 5 |
| 23.3 Communications, utilities, and miscellaneous charges | 1 | 1 | 1 |
| 24.0 Printing and reproduction | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 1 | 1 | 1 |
| 25.2 Other services | 17 | 23 | 25 |
| 26.0 Supplies and materials | 6 | 5 | 5 |
| 99.0 Subtotal, direct obligations | 65 | 68 | 69 |
| 99.5 Below reporting threshold | 1 | 2 | 2 |
| 99.9 Total obligations | 66 | 70 | 71 |

Personnel Summary

| Identification code 89-0216-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 409 | 374 | 353 |

EMERGENCY PREPAREDNESS

Program and Financing (in millions of dollars)

| Identification code 89-0234-0-1-274 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 1 | | |
| 73.20 Total outlays (gross) | -1 | | |
| Outlays (gross), detail: | | | |
| 86.93 Outlays from current balances | 1 | | |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | | |
| 90.00 Outlays | 1 | | |

ECONOMIC REGULATION

For necessary expenses in carrying out the activities of the Office of Hearings and Appeals, **[\$2,725,000]** \$1,801,000, to remain available until expended. (*Department of the Interior and Related Agencies Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0217-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Economic regulation | 1 | | |
| 00.02 Hearings and appeals | 3 | 3 | 2 |
| 10.00 Total obligations | 4 | 3 | 2 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 1 | | |

| | | | |
|--|----|----|----|
| 22.00 New budget authority (gross) | 3 | 3 | 2 |
| 23.90 Total budgetary resources available for obligation | 4 | 3 | 2 |
| 23.95 New obligations | -4 | -3 | -2 |

New budget authority (gross), detail:

| | | | |
|---------------------------|---|---|---|
| 40.00 Appropriation | 3 | 3 | 2 |
|---------------------------|---|---|---|

Change in unpaid obligations:

| | | | |
|--|----|----|----|
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 2 | 1 | 1 |
| 73.10 New obligations | 4 | 3 | 2 |
| 73.20 Total outlays (gross) | -5 | -3 | -2 |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 1 | 1 | 1 |

Outlays (gross), detail:

| | | | |
|--|---|---|---|
| 86.90 Outlays from new current authority | 2 | 3 | 2 |
| 86.93 Outlays from current balances | 3 | | |
| 87.00 Total outlays (gross) | 5 | 3 | 2 |

Net budget authority and outlays:

| | | | |
|------------------------------|---|---|---|
| 89.00 Budget authority | 3 | 3 | 2 |
| 90.00 Outlays | 5 | 3 | 2 |

Compliance.—This program, administered by the Office of General Counsel, is responsible for resolving all remaining enforcement actions to ensure that oil companies complied with petroleum regulations in effect prior to decontrol of oil in January 1981.

Hearings and appeals.—The Office of Hearings and Appeals issues all final orders of an adjudicatory nature other than those over which the Federal Energy Regulatory Commission or the Board of Contract Appeals have jurisdiction. It decides appeals of petroleum enforcement actions and administers refund proceedings involving funds obtained as a result of petroleum enforcement actions. This office is also responsible for (a) conducting hearings and issuing initial agency decisions on "whistleblower" complaints made under the DOE Contractor Employee Protection Program, (b) appeals of Freedom of Information and Privacy Act Determinations, (c) "Payment-Equal-to-Taxes" determinations made under the Nuclear Waste Policy Act of 1982, as amended, (d) conducting personnel security administrative review hearings, and (e) requests for exception relief. The FY 1999 funding request is limited to expenses related to Petroleum overcharge cases.

Object Classification (in millions of dollars)

| Identification code 89-0217-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 2 | 2 | 1 |
| 25.3 Purchases of goods and services from Government accounts | 2 | 1 | 1 |
| 99.9 Total obligations | 4 | 3 | 2 |

Personnel Summary

| Identification code 89-0217-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 69 | 24 | 21 |

**FEDERAL ENERGY REGULATORY COMMISSION
SALARIES AND EXPENSES**

For necessary expenses of the Federal Energy Regulatory Commission to carry out the provisions of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including services as authorized by 5 U.S.C. 3109, the hire of passenger motor vehicles, and official reception and representation expenses (not to exceed \$3,000), **[\$162,141,000]** \$168,898,000, to remain available until expended: *Provided*, That notwithstanding any other provision of law, [not to exceed \$162,141,000 of] revenues from fees and annual charges, and other services and collections in fiscal year [1998] 1999 shall be

General and special funds—ContinuedFEDERAL ENERGY REGULATORY COMMISSION—Continued
SALARIES AND EXPENSES—Continued

retained and [used] become available until expended on October 1, 1999, for necessary expenses in this account[, and shall remain available until expended: *Provided further*, That the sum herein appropriated from the General Fund shall be reduced as revenues are received during fiscal year 1998 so as to result in a final fiscal year 1998 appropriation from the General Fund estimated at not more than \$0]. (*Energy and Water Development Appropriations Act, 1998.*)

Unavailable Collections (in millions of dollars)

| Identification code 89-0212-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | | | |
| 03.00 Offsetting collections | | | 197 |
| 07.99 Total balance, end of year | | | 197 |

Program and Financing (in millions of dollars)

| Identification code 89-0212-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.02 Hydropower regulation | 45 | 50 | 49 |
| 00.03 Electric power regulation | 46 | 52 | 54 |
| 00.04 Natural gas and oil regulation | 63 | 64 | 66 |
| 10.00 Total obligations | 154 | 166 | 169 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 10 | 3 | |
| 22.00 New budget authority (gross) | 146 | 162 | 169 |
| 23.90 Total budgetary resources available for obligation | 156 | 166 | 169 |
| 23.95 New obligations | -154 | -166 | -169 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 3 | | |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.00 Appropriation | | | 169 |
| Permanent: | | | |
| Spending authority from offsetting collections: | | | |
| 68.00 Offsetting collections (cash) | 146 | 162 | 197 |
| 68.45 Portion not available for obligation (limitation on obligations) | | | -197 |
| 68.90 Spending authority from offsetting collections (total) | 146 | 162 | |
| 70.00 Total new budget authority (gross) | 146 | 162 | 169 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 24 | 19 | 24 |
| 73.10 New obligations | 154 | 166 | 169 |
| 73.20 Total outlays (gross) | -158 | -160 | -168 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 19 | 24 | 25 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | | | 144 |
| 86.97 Outlays from new permanent authority | 124 | 138 | |
| 86.98 Outlays from permanent balances | 34 | 22 | 24 |
| 87.00 Total outlays (gross) | 158 | 160 | 168 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| 88.40 Offsetting collections (cash) from: Non-Federal sources | -146 | -162 | -197 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | | -28 |
| 90.00 Outlays | 12 | -2 | -29 |

The Federal Energy Regulatory Commission (FERC) is charged with regulating certain interstate aspects of the natu-

ral gas, oil pipeline, hydropower, and electric industries. Such regulation includes issuing licenses and certificates for construction of facilities, approving rates, inspecting dams, implementing compliance and enforcement activities, and providing other services to regulated businesses. In 1999, these businesses will pay fees and charges sufficient to recover the Government's full costs of operations.

The Commission's FY 1999 budget is structured to implement the Administration's policy to fund discretionary programs with user fees that are offsetting collections. While revenues collected in FY 1999 will continue to offset the Commission's appropriation, the collections will not be available for obligation in FY 1999. For FY 2000 and subsequent years, budget levels set by appropriations acts will be made available from the previous year's collections retained in this account. In the event of insufficient revenue, a General Fund appropriation will be requested. Any excess funds remaining after appropriation of offsetting collections will be returned to the Treasury.

Natural gas and oil.—The Commission is responsible for the regulation of about 150 natural gas pipeline companies and 130 common carrier oil pipelines including the Trans-Alaska Pipeline System. The Commission issues certificates authorizing natural gas pipelines to construct and operate new facilities and to provide new services; determines just and reasonable rates for the interstate transportation of natural gas and oil on the pipelines subject to the Commission's jurisdiction; and authorizes tariff provisions, as appropriate, to allow the gas and oil pipelines to adjust their services to meet their customers' needs and the pipelines' needs to meet competition in their markets. The Commission has and will continue to develop creative and flexible pricing policies and new and innovative services to address the changing competitive marketplace in both the gas and oil industries. While working to assure the industries are able to meet their service requirements by staying economically healthy, the Commission will continue to assure that environmental concerns from construction projects are properly addressed and that the public interest is protected when new services or pricing mechanisms are authorized.

Hydropower.—The Commission issues preliminary permits, exemptions, and licenses, including relicenses, for non-federal hydroelectric projects, enforces their terms and conditions, and performs dam safety inspections. The Commission regulates more than 1,600 hydroelectric projects which supply about 5 percent of the electric energy generated in the United States. The Commission also performs investigations to determine the amount of headwater benefits that are derived from Federally-owned and FERC-licensed headwater improvements and returned more than \$7 million in revenues to the U.S. Treasury in 1997.

Electric power.—The Commission is responsible for setting rates for the interstate transmission and wholesale sales of electric energy and for authorizing certain public utility corporate transactions. The Commission approves rates for all Federal power marketing administrations except TVA. Since enactment of the Energy Policy Act of 1992, the Commission has introduced a number of initiatives to foster competition in the generation sector of the electric utility industry while continuing to ensure system reliability. In 1996, the Commission issued Order Nos. 888 and 889, which require all jurisdictional public utilities to provide open access transmission service to all customers under standard terms and conditions. In the wake of Order Nos. 888 and 889, new market institutions are developing. For example, many utilities are turning over control of their transmission systems to Independent System Operators, which requires Commission approval. The Commission also certifies three special classes of power generators: cogeneration facilities, small power production facilities, and exempt wholesale generators.

| Object Classification (in millions of dollars) | | | |
|---|-------------|-----------|-----------|
| Identification code 89-0212-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 86 | 92 | 96 |
| 11.3 Other than full-time permanent | 2 | 2 | 2 |
| 11.5 Other personnel compensation | 1 | 1 | 1 |
| 11.9 Total personnel compensation | 89 | 95 | 99 |
| 12.1 Civilian personnel benefits | 16 | 18 | 18 |
| 13.0 Benefits for former personnel | 1 | 1 | ..... |
| 21.0 Travel and transportation of persons | 2 | 2 | 2 |
| 23.1 Rental payments to GSA | 17 | 18 | 18 |
| 23.3 Communications, utilities, and miscellaneous charges | 3 | 3 | 3 |
| 24.0 Printing and reproduction | 2 | 2 | 2 |
| 25.1 Advisory and assistance services | 4 | 7 | 7 |
| 25.2 Other services | 12 | 13 | 12 |
| 25.3 Purchases of goods and services from Government accounts ..... | ..... | 1 | 1 |
| 25.7 Operation and maintenance of equipment | 1 | 2 | 2 |
| 26.0 Supplies and materials | 1 | 1 | 1 |
| 31.0 Equipment | 3 | 3 | 3 |
| 99.0 Subtotal, direct obligations | 151 | 166 | 168 |
| 99.5 Below reporting threshold | 3 | ..... | 1 |
| 99.9 Total obligations | 154 | 166 | 169 |

Personnel Summary

| Identification code 89-0212-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 1,335 | 1,377 | 1,377 |

GEOHERMAL RESOURCES DEVELOPMENT FUND

Program and Financing (in millions of dollars)

| Identification code 89-0206-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 1 | 1 | ..... |
| 24.40 Unobligated balance available, end of year: Uninvested | 1 | ..... | ..... |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority ..... | ..... | ..... | ..... |
| 90.00 Outlays ..... | ..... | ..... | ..... |

This loan guarantee program was started in 1979 to subsidize loans for geothermal energy projects too risky to acquire private sector financing on their own. The fund is no longer in operation, and has been closed pursuant to 31 U.S.C. 1555.

CLEAN COAL TECHNOLOGY

[(RESCISSION)] (DEFERRAL)

Of the funds made available under this heading for obligation in [fiscal year 1997 or] prior years, [\$101,000,000 are rescinded] \$10,000,000 of such funds shall not be available until October 1, 1999; \$15,000,000 shall not be available until October 1, 2000; and \$15,000,000 shall not be available until October 1, 2001: Provided, That funds made available in previous appropriations Acts shall be available for any ongoing project regardless of the separate request for proposal under which the project was selected: Provided further, That not to exceed \$14,900,000 in fiscal year 1999 may be used for administrative oversight of the Clean Coal Technology Program. (Department of the Interior and Related Agencies Appropriations Act, 1998.)

| Program and Financing (in millions of dollars) | | | |
|--|-------------|-----------|-----------|
| Identification code 89-0235-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
| Obligations by program activity: | | | |
| 10.00 Total obligations | 203 | 219 | 303 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 932 | 732 | 411 |
| 22.00 New budget authority (gross) | -2 | -101 | -40 |
| 22.10 Resources available from recoveries of prior year obligations | 4 | ..... | ..... |
| 23.90 Total budgetary resources available for obligation | 934 | 631 | 371 |
| 23.95 New obligations | -203 | -219 | -303 |
| 24.40 Unobligated balance available, end of year: Uninvested | 732 | 411 | 67 |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 15 | ..... | ..... |
| Unobligated balance rescinded: | | | |
| 40.36 Unobligated balance rescinded | -17 | -101 | ..... |
| 40.36 Unobligated balance deferred ..... | ..... | ..... | -40 |
| 43.00 Appropriation (total) | -2 | -101 | -40 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 206 | 307 | 376 |
| 73.10 New obligations | 203 | 219 | 303 |
| 73.20 Total outlays (gross) | -98 | -150 | -183 |
| 73.45 Adjustments in unexpired accounts | -4 | ..... | ..... |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 307 | 376 | 496 |
| Outlays (gross), detail: | | | |
| 86.93 Outlays from current balances | 98 | ..... | ..... |
| 86.98 Outlays from permanent balances ..... | ..... | 150 | 183 |
| 87.00 Total outlays (gross) | 98 | 150 | 183 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | -2 | -101 | -40 |
| 90.00 Outlays | 98 | 150 | 183 |

Public Law 99-190, making continuing appropriations for 1986, provided \$400 million from funds in the Energy Security Reserve in the Department of the Treasury for a new Clean Coal Technology program in the Department of Energy. This program was authorized under the Clean Coal Technology Reserve proviso of Public Law 98-473 to subsidize the construction and operation of facilities to demonstrate the potential commercial feasibility of such technologies.

Termination of the domestic Clean Coal Technology program, after completion of projects now underway, is part of the President's realignment of the Department of Energy. The Administration's policy calls for limiting the program's existing domestic projects which have been selected under contract. If a project is canceled, the canceled project's funding will either be used to meet the needs of remaining on-going projects, or will be rescinded if the funds are not needed by the program.

Object Classification (in millions of dollars)

| Identification code 89-0235-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 5 | 5 | 5 |
| 12.1 Civilian personnel benefits | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 3 | 3 | 3 |
| 25.2 Other services | 5 | 5 | 5 |
| 25.3 Purchases of goods and services from Government accounts | 1 | 1 | 1 |
| 41.0 Grants, subsidies, and contributions | 188 | 204 | 288 |
| 99.9 Total obligations | 203 | 219 | 303 |

General and special funds—Continued

CLEAN COAL TECHNOLOGY—Continued

[(RESCISSION)] (DEFERRAL)—Continued

Personnel Summary

| Identification code 89-0235-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 70 | 68 | 67 |

ALTERNATIVE FUELS PRODUCTION
(INCLUDING TRANSFER OF FUNDS)

Moneys received as investment income on the principal amount in the Great Plains Project Trust at the Norwest Bank of North Dakota, in such sums as are earned as of October 1, [1997,] 1998 shall be deposited in this account and immediately transferred to the general fund of the Treasury. Moneys received as revenue sharing from operation of the Great Plains Gasification Plant shall be immediately transferred to the general fund of the Treasury. (Department of the Interior and Related Agencies Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-5180-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 5 | 3 | 3 |
| 22.00 New budget authority (gross) | -3 | | |
| 23.90 Total budgetary resources available for obligation | 2 | 3 | 3 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 3 | 3 | 3 |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.36 Unobligated balance rescinded | -3 | | |
| Permanent: | | | |
| Spending authority from offsetting collections: | | | |
| 68.00 Offsetting collections (cash) | 1 | 2 | 1 |
| 68.27 Capital transfer to general fund | -1 | -2 | -1 |
| 68.90 Spending authority from offsetting collections (total) | | | |
| 70.00 Total new budget authority (gross) | -3 | | |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 10 | 10 | 10 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 10 | 10 | 10 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| 88.40 Offsetting collections (cash) from: Interest from principal in the Great Plains Project Trust | -1 | -2 | -1 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | -4 | -2 | -1 |
| 90.00 Outlays | | -2 | -1 |

This program was established in 1980 for the purpose of expediting the development and production of alternative fuels.

When the Synthetic Fuels Corporation was declared to be operational in 1982, the uncommitted and unobligated funds remaining in the program were transferred to the Energy Security Reserve for use by the Synthetic Fuels Corporation, with the exception of the loan guarantee for the Great Plains Gasification Project, which remained under the jurisdiction of the Department of Energy. The Department exercised its authority to borrow from the Treasury to repay the Federal Financing Bank upon default of the borrower in 1985. This loan was repaid, along with accrued interest, by a Supplemental appropriation in 1986. The Department acquired own-

ership of the Great Plains plant by foreclosure, which was completed on July 14, 1986, and continued operation of the plant without the expenditure of appropriated funds. On October 31, 1988, the Department completed the process of establishing an asset purchase agreement for the Great Plains Gasification Plant by settlement with Basin Electric Power Cooperative Association. Responsibilities for other related agreements—Trust Agreement, Gas Transportation Agreement, Gas Purchase Agreement—were also settled. Under the terms of the asset purchase agreement a check for \$85 million was provided to the Government as an initial payment. These agreements are currently the subject of litigation between the Department, Dakota Gasification Company and the four pipeline companies which purchase the synthetic gas from the plant. Future revenue sharing payments to the Department are dependent upon the outcome of this litigation as well as natural gas prices.

The parties to litigation negotiated settlement agreements in principle in December 1993. Settlement agreements dated February 16, 1994, have been signed. These settlement agreements resolve all past disputes as well as restructure the Gas Purchase Agreements pricing provisions. The settlement agreements are contingent upon final Federal Energy Regulatory Commission (FERC) approval.

One of the four pipeline companies, which purchases 20 percent of the plant's output of synthetic natural gas received Federal Energy Regulatory Commission final approval in December 1994 for its settlement agreement. On December 18, 1996 initial FERC approval was granted for the remaining three pipeline companies in FERC Opinion 410.

ELK HILLS SCHOOL LANDS FUND

For necessary expenses in fulfilling the first installment payment under the Settlement Agreement entered into by the United States and the State of California on October 18, 1996, as authorized by section 3415 of Public Law 104-106, \$36,000,000 for payment to the State of California for the State Teachers' Retirement Fund from the Elk Hills School Land Fund.

Unavailable Collections (in millions of dollars)

| Identification code 89-5428-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | | | 324 |
| Receipts: | | | |
| 02.01 Elk Hills school lands fund | | 324 | |
| 04.00 Total: Balances and collections | | 324 | 324 |
| Appropriation: | | | |
| 05.01 Elk Hills school lands fund | | | -36 |
| 07.99 Total balance, end of year | | 324 | 288 |

Program and Financing (in millions of dollars)

| Identification code 89-5428-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Direct program | | | 36 |
| 10.00 Total obligations (object class 41.0) | | | 36 |
| Budgetary resources available for obligation: | | | |
| 22.00 New budget authority (gross) | | | 36 |
| 23.95 New obligations | | | -36 |
| New budget authority (gross), detail: | | | |
| 40.20 Appropriation (special fund, definite) | | | 36 |
| Change in unpaid obligations: | | | |
| 73.10 New obligations | | | 36 |
| 73.20 Total outlays (gross) | | | -36 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | | | 36 |

| | | |
|--|------------------------|----|
| Net budget authority and outlays: | | |
| 89.00 | Budget authority | 36 |
| 90.00 | Outlays | 36 |

Title XXXIV, Subtitle B of Public Law 104-106 requires the Department to sell government's interest in Naval Petroleum Reserve No. 1 (Elk Hills) pursuant to the terms of the Act. The sale is scheduled to occur in February 1998, following a statutorily-required 31-day congressional review period.

Section 3415 of the Act requires, among other things, that the Department make an offer of settlement based on the fair value of the State of California's longstanding claims to two parcels of land ("school lands") within the Reserve. Under the Act, as is provided for in appropriation acts, nine percent of the net proceeds is to be reserved in contingent fund in the Treasury for payment to the State. In compliance with the Act and in order to remove any cloud over title which could diminish the sales value of the Reserve, the Department entered into a Settlement Agreement with the State on October 18, 1996. That Agreement calls for payment to the State, subject to appropriations, of nine percent of the net proceeds of sale, payable over a seven-year period (without interest), commencing in Fiscal Year 1999. Under the Settlement Agreement and provided that funds are appropriated, the first five installments are for \$36,000,000 each year, and the remaining balance is to be paid in two equal installments in years six and seven, FY 2004 and FY 2005.

PAYMENTS TO STATES UNDER FEDERAL POWER ACT

Unavailable Collections (in millions of dollars)

| Identification code 89-5105-0-2-806 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | | | |
| Receipts: | | | |
| 02.01 Licenses under Federal Power Act from public lands and national forests, payment to States (37 1/2%),Energy | 3 | 3 | 3 |
| Appropriation: | | | |
| 05.01 Payments to States under Federal Power Act | -3 | -3 | -3 |
| 07.99 Total balance, end of year | | | |

Program and Financing (in millions of dollars)

| Identification code 89-5105-0-2-806 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations (object class 41.0) | 3 | 3 | 3 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 3 | 3 | 3 |
| 22.00 New budget authority (gross) | 3 | 3 | 3 |
| 23.90 Total budgetary resources available for obligation | 6 | 6 | 6 |
| 23.95 New obligations | -3 | -3 | -3 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 3 | 3 | 3 |
| New budget authority (gross), detail: | | | |
| 60.25 Appropriation (special fund, indefinite) | 3 | 3 | 3 |
| Change in unpaid obligations: | | | |
| 73.10 New obligations | 3 | 3 | 3 |
| 73.20 Total outlays (gross) | -3 | -3 | -3 |
| Outlays (gross), detail: | | | |
| 86.97 Outlays from new permanent authority | 3 | 3 | 3 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 3 | 3 | 3 |
| 90.00 Outlays | 3 | 3 | 3 |

The States are paid 37.5 percent of the receipts from licenses for occupancy and use of national forests and public lands within their boundaries issued by the Federal Energy Regulatory Commission (16 U.S.C. 810).

NUCLEAR WASTE DISPOSAL FUND

For nuclear waste disposal activities to carry out the purposes of Public Law 97-425, as amended, including the acquisition of real property or facility construction or expansion, **[\$160,000,000]** \$190,000,000, to remain available until expended, to be derived from the Nuclear Waste Fund; of which **[\$4,000,000]** shall be available to the Nuclear Regulatory Commission to license a multi-purpose canister design; and of which not to exceed **\$5,000,000]** not to exceed \$4,875,000 may be provided to the State of Nevada solely to conduct scientific oversight responsibilities pursuant to the Nuclear Waste Policy Act of 1982, and of which not to exceed \$5,540,000 may be provided to affected local governments, as defined in Public Law 97-425, to conduct appropriate activities pursuant to the Act: *Provided*, That the distribution of the funds [to] as determined by the units of local government shall be approved by the Department of Energy: *Provided further*, That the funds shall be made available to the State and units of local government by direct payment: *Provided further*, That within ninety days of the completion of each Federal fiscal year, The State and each local entity shall provide certification to the Department of Energy, that all funds expended from such payments have been expended for activities as defined in Public Law 97-425. Failure to provide such certification shall cause such entity to be prohibited from any further funding provided for similar activities: *Provided further*, That none of the funds herein appropriated may be: (1) used directly or indirectly to influence legislative action on any matter pending before Congress or a State legislature or for lobbying activity as provided in 18 U.S.C. 1913; (2) used for litigation expenses; or (3) used to support multistate efforts or other coalition building activities inconsistent with the restrictions contained in this Act[: *Provided further*, That none of the funds provided herein shall be distributed to the State of Nevada by direct payment, grant, or other means, for financial assistance under section 116 of the Nuclear Waste Policy Act of 1982, as amended: *Provided further*, That the foregoing proviso shall not apply to payments in lieu of taxes under section 116(c)(3)(A) of the Nuclear Waste Policy Act of 1982, as amended]. (*Energy and Water Development Appropriations Act, 1998.*)

Unavailable Collections (in millions of dollars)

| Identification code 89-5227-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | 5,201 | 6,072 | 6,950 |
| Receipts: | | | |
| 02.01 Receipts from nuclear powered electric utilities | 596 | 602 | 625 |
| 02.02 Net earnings on investments | 471 | 450 | 507 |
| 02.99 Total receipts | 1,067 | 1,052 | 1,132 |
| 04.00 Total: Balances and collections | 6,268 | 7,124 | 8,082 |
| Appropriation: | | | |
| 05.01 Nuclear Waste Fund | -182 | -156 | -190 |
| 05.02 Nuclear Regulatory Commission | -11 | -15 | -19 |
| 05.04 Nuclear Waste Technical Review Board | -3 | -3 | -3 |
| 05.99 Subtotal appropriation | -196 | -174 | -212 |
| 07.99 Total balance, end of year | 6,072 | 6,950 | 7,870 |

Program and Financing (in millions of dollars)

| Identification code 89-5227-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations | 179 | 178 | 190 |
| Budgetary resources available for obligation: | | | |
| 21.41 Unobligated balance available, start of year: U.S. Securities: Par value | 19 | 22 | |
| 22.00 New budget authority (gross) | 182 | 156 | 190 |
| 23.90 Total budgetary resources available for obligation | 201 | 178 | 190 |
| 23.95 New obligations | -179 | -178 | -190 |

General and special funds—Continued**NUCLEAR WASTE DISPOSAL FUND—Continued****Program and Financing (in millions of dollars)—Continued**

| Identification code 89-5227-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 24.41 Unobligated balance available, end of year: U.S. Securities: Par value | 22 | | |
| New budget authority (gross), detail: | | | |
| 40.20 Budget authority (appropriation) | 182 | 160 | 190 |
| 40.79 Line item veto cancellation | | -4 | |
| 43.00 Appropriation (total) | 182 | 156 | 190 |
| Change in unpaid obligations: | | | |
| 72.41 Unpaid obligations, start of year: Obligated balance: U.S. Securities: Par value | 79 | 93 | 101 |
| 73.10 New obligations | 179 | 178 | 190 |
| 73.20 Total outlays (gross) | -165 | -169 | -173 |
| 74.41 Unpaid obligations, end of year: Obligated balance: U.S. Securities: Par value | 93 | 101 | 118 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 90 | 78 | 95 |
| 86.93 Outlays from current balances | 75 | 91 | 78 |
| 87.00 Total outlays (gross) | 165 | 169 | 173 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 182 | 156 | 190 |
| 90.00 Outlays | 165 | 169 | 173 |

The nuclear waste disposal program consists of efforts related to the development, acquisition, and operation of facilities for the disposal of civilian and defense high level nuclear waste. These activities are funded by appropriations from the Nuclear Waste Fund which is paid for by the users of the disposal service, and the Defense Nuclear Waste Disposal account, which was established by Congress as part of the 1993 Energy and Water Development Appropriation (P.L. 102-377) in lieu of a payment from the Department of Energy into the Nuclear Waste Fund for activities related to the disposal of defense high-level waste.

In FY 1999, the Office of Civilian Radioactive Waste Management Program will focus on the completion of activities that are in direct support of key program milestones that are planned for completion within the next several fiscal years. The ongoing technical, scientific, and environmental documentation activities continue to be critical to the Program's ability to meet successfully three of the most significant milestones since the Program's inception—issuance of the Final Environmental Impact Statement and accompanying Record of Decision in 2000; preparation and submission of the Site Recommendation Report to the President in 2001 should the Yucca Mountain site be found suitable for development as a repository; and the preparation and submission of the License Application for repository construction to the Nuclear Regulatory Commission in 2002.

The key FY 1999 activities that the Program will complete to support the major outyear milestones noted above are: 1) issuance of the draft Environmental Impact Statement for the Yucca Mountain site for public review and comment, as required by the National Environmental Policy Act; 2) completion of the Phase II Design of the Mined Geologic Disposal System to support the total system performance assessment that will be a key component of the Program's License Application for the Yucca Mountain site, should it be found suitable; and 3) completion of the Peer Review for the Total System Performance Assessment component of the Viability Assessment. This activity also supports the planned License Application.

The outyear funding for this account does not reflect the impact of the 1998 viability assessment.

Status of Funds (in millions of dollars)

| Identification code 89-5227-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Unexpended balance, start of year: | | | |
| 0101 U.S. Securities: U.S. securities: Par value | 5,300 | 6,188 | 7,054 |
| Cash income during the year: | | | |
| Proprietary receipts: | | | |
| 0220 Nuclear waste disposal fund , Energy | 596 | 602 | 625 |
| Intragovernmental transactions: | | | |
| 0240 Earnings on investments, Nuclear waste disposal fund , Energy | 471 | 450 | 507 |
| 0299 Total cash income | 1,067 | 1,052 | 1,132 |
| Cash outgo during year: | | | |
| 0500 Nuclear waste disposal fund | -165 | -169 | -173 |
| 0502 Nuclear Waste Technical Review Board, | -3 | -3 | -3 |
| 0503 Nuclear Regulatory Commission | -11 | -14 | -18 |
| 0599 Total cash outgo (-) | -179 | -186 | -194 |
| Unexpended balance, end of year: | | | |
| 0701 U.S. Securities: U.S. securities: Par value | 6,188 | 7,054 | 7,992 |

Object Classification (in millions of dollars)

| Identification code 89-5227-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 15 | 17 | 17 |
| 12.1 Civilian personnel benefits | 3 | 4 | 4 |
| 21.0 Travel and transportation of persons | 1 | 1 | 1 |
| 23.2 Rental payments to others | 1 | 2 | 2 |
| 23.3 Communications, utilities, and miscellaneous charges | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 132 | 125 | 136 |
| 25.2 Other services | 3 | 4 | 4 |
| 25.3 Purchases of goods and services from Government accounts | 10 | 11 | 12 |
| 25.4 Operation and maintenance of facilities | 5 | 5 | 5 |
| 41.0 Grants, subsidies, and contributions | 8 | 8 | 8 |
| 99.9 Total obligations | 179 | 178 | 190 |

Personnel Summary

| Identification code 89-5227-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 232 | 206 | 187 |

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

For necessary expenses in carrying out uranium enrichment facility decontamination and decommissioning, remedial actions and other activities of title II of the Atomic Energy Act of 1954 and title X, subtitle A of the Energy Policy Act of 1992, [\$220,200,000] \$277,000,000, to be derived from the Fund, to remain available until expended: *Provided*, That [\$40,000,000] \$35,000,000 of amounts derived from the Fund for such expenses shall be available in accordance with title X, subtitle A, of the Energy Policy Act of 1992. (*Energy and Water Development Appropriations Act, 1998.*)

Unavailable Collections (in millions of dollars)

| Identification code 89-5231-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | 439 | 818 | 1,190 |
| Receipts: | | | |
| 02.01 Assessments | 165 | 148 | 179 |
| 02.02 Earnings on investments | 37 | 56 | 73 |
| 02.03 General fund payment | 377 | 388 | 398 |
| 02.99 Total receipts | 579 | 592 | 650 |
| 04.00 Total: Balances and collections | 1,018 | 1,410 | 1,840 |
| Appropriation: | | | |
| 05.01 Uranium enrichment decontamination and decommissioning fund | -200 | -220 | -277 |
| 07.99 Total balance, end of year | 818 | 1,190 | 1,563 |

Program and Financing (in millions of dollars)

| Identification code 89-5231-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Environmental restoration and waste management | 176 | 180 | 242 |
| 00.02 Uranium / thorium reimbursements | 34 | 40 | 35 |
| 10.00 Total obligations | 210 | 220 | 277 |
| Budgetary resources available for obligation: | | | |
| 22.00 New budget authority (gross) | 210 | 220 | 277 |
| 23.95 New obligations | -210 | -220 | -277 |
| New budget authority (gross), detail: | | | |
| 40.20 Appropriation (special fund, definite) | 200 | 220 | 277 |
| 42.00 Transferred from other accounts | 10 | | |
| 43.00 Appropriation (total) | 210 | 220 | 277 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 40 | 70 | 76 |
| 73.10 New obligations | 210 | 220 | 277 |
| 73.20 Total outlays (gross) | -180 | -214 | -260 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 70 | 76 | 93 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 142 | 154 | 194 |
| 86.93 Outlays from current balances | 38 | 60 | 66 |
| 87.00 Total outlays (gross) | 180 | 214 | 260 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 210 | 220 | 277 |
| 90.00 Outlays | 180 | 214 | 260 |

The Uranium Enrichment Decontamination and Decommissioning Fund will cover D&D, remedial action and other costs associated with environmental clean-up activities at sites leased and operated by the United States Enrichment Corporation as well as DOE facilities at these and other sites. A portion of the Fund will be used to reimburse current owners of uranium and thorium sites for a portion of their remediation costs for tailings attributable to the sale of uranium or thorium to the Federal Government.

This Fund includes sites and/or projects that will be completed by 2006 at EM national laboratories or other facilities where DOE will continue to have a presence beyond the year 2006. Sites with projects included in this account are K-25 Site and Oak Ridge Reservation, Tennessee; Paducah Gaseous Diffusion Plant, Kentucky; and Portsmouth Gaseous Diffusion Plant, Ohio.

Status of Funds (in millions of dollars)

| Identification code 89-5231-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Unexpended balance, start of year: | | | |
| U.S. Securities: | | | |
| 0101 Par value | 480 | 888 | 1,266 |
| 0102 Unrealized discounts | -1 | | |
| 0199 Total balance, start of year | 479 | 888 | 1,266 |
| Cash income during the year: | | | |
| Governmental receipts: | | | |
| 0200 Assessments, Decontamination and Decommissioning Fund | 165 | 148 | 179 |
| Intragovernmental transactions: | | | |
| 0240 Earnings on investments, Decontamination and Decommissioning Fund | 37 | 56 | 73 |
| 0241 General fund payment—Defense, Decontamination and Decommissioning Fund | 377 | 388 | 398 |
| 0299 Total cash income | 579 | 592 | 650 |
| Cash outgo during year: | | | |
| 0500 Uranium enrichment decontamination and decommissioning fund | -180 | -214 | -260 |
| 0645 Balance transferred, net | 10 | | |
| Unexpended balance, end of year: | | | |
| U.S. Securities: | | | |
| 0701 Par value | 888 | 1,266 | 1,656 |

| | | | |
|---------------------------------------|-----|-------|-------|
| 0702 Unrealized discounts | | | |
| 0799 Total balance, end of year | 888 | 1,266 | 1,656 |

Object Classification (in millions of dollars)

| Identification code 89-5231-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 25.1 Advisory and assistance services | 8 | 9 | 11 |
| 25.2 Other services | 47 | 49 | 62 |
| 25.4 Operation and maintenance of facilities | 153 | 160 | 201 |
| 41.0 Grants, subsidies, and contributions | 2 | 2 | 3 |
| 99.9 Total obligations | 210 | 220 | 277 |

Public enterprise funds:

ISOTOPE PRODUCTION AND DISTRIBUTION PROGRAM FUND

Program and Financing (in millions of dollars)

| Identification code 89-4180-0-3-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 09.00 Reimbursable program | 29 | 28 | 33 |
| 10.00 Total obligations | 29 | 28 | 33 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 10 | 5 | 5 |
| 22.00 New budget authority (gross) | 24 | 28 | 33 |
| 23.90 Total budgetary resources available for obligation | 34 | 33 | 38 |
| 23.95 New obligations | -29 | -28 | -33 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 5 | 5 | 5 |
| New budget authority (gross), detail: | | | |
| 68.00 Spending authority from offsetting collections (gross): | | | |
| Offsetting collections (cash) | 24 | 28 | 33 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 7 | 7 | 7 |
| 73.10 New obligations | 29 | 28 | 33 |
| 73.20 Total outlays (gross) | -30 | -28 | -33 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 7 | 7 | 7 |
| Outlays (gross), detail: | | | |
| 86.93 Outlays from current balances | 6 | | |
| 86.97 Outlays from new permanent authority | 24 | 28 | 33 |
| 87.00 Total outlays (gross) | 30 | 28 | 33 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| 88.40 Offsetting collections (cash) from: Non-Federal sources | -24 | -28 | -33 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | | |
| 90.00 Outlays | 6 | | |

The charter of the Department of Energy (DOE) Isotope Production and Distribution Program covers the production and sale of isotope products and related services to the user community utilizing Government-owned facilities. The isotopes produced by the Department are those that can be produced in existing DOE production and research facilities dedicated to the products required by the Isotope Production and Distribution program. The isotopes are sold at their market value or at a price determined to be in the best interest of the government for use in medical diagnoses and therapy, medical and scientific research, and industrial applications.

Object Classification (in millions of dollars)

| Identification code 89-4180-0-3-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 1 | | |

Public enterprise funds—Continued

ISOTOPE PRODUCTION AND DISTRIBUTION PROGRAM FUND—Continued

Object Classification (in millions of dollars)—Continued

| Identification code 89-4180-0-3-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 25.4 Operation and maintenance of facilities | 27 | 28 | 33 |
| 31.0 Equipment | 1 | | |
| 99.9 Total obligations | 29 | 28 | 33 |

Personnel Summary

| Identification code 89-4180-0-3-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 2001 Total compensable workyears: Full-time equivalent employment | 10 | | |

Trust Funds

ADVANCES FOR COOPERATIVE WORK

Program and Financing (in millions of dollars)

| Identification code 89-8575-0-7-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 1 | 1 | 1 |
| 24.40 Unobligated balance available, end of year: Uninvested | 1 | 1 | 1 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 18 | 18 | 18 |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 18 | 18 | 18 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | | |
| 90.00 Outlays | 2 | | |

In past years, this account received advances from domestic and foreign sources, to fund research and development activities for civilian reactor, magnetic fusion, and basic energy sciences. Sources also provided funds for defense programs, the technical information management program, and conducting the Naval Petroleum Reserves Community Wells Protection program. The account will be terminated when balances have been expended.

POWER MARKETING ADMINISTRATIONS

[OPERATION AND MAINTENANCE, ALASKA POWER ADMINISTRATION]

[For necessary expenses of operation and maintenance of projects in Alaska and of marketing electric power and energy, \$3,500,000, to remain available until expended; and, in addition, \$10,000,000 for capital assets acquisition, to remain available until expended.] (Energy and Water Development Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-0304-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.02 Program direction | 2 | 4 | |
| 00.03 Transition and termination | | 1 | 2 |
| 00.04 Capital assets acquisition | | 10 | |
| 10.00 Total obligations | 2 | 15 | 2 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 6 | 8 | 7 |
| 22.00 New budget authority (gross) | 4 | 14 | |

| | | | |
|--|----|-----|----|
| 23.90 Total budgetary resources available for obligation | 10 | 22 | 7 |
| 23.95 New obligations | -2 | -15 | -2 |
| 24.40 Unobligated balance available, end of year: Uninvested | 8 | 7 | 5 |

New budget authority (gross), detail:

| | | | |
|---------------------------|---|----|--|
| 40.00 Appropriation | 4 | 14 | |
|---------------------------|---|----|--|

Change in unpaid obligations:

| | | | |
|--|----|-----|----|
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 5 | 4 | 3 |
| 73.10 New obligations | 2 | 15 | 2 |
| 73.20 Total outlays (gross) | -3 | -16 | -3 |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 4 | 3 | 2 |

Outlays (gross), detail:

| | | | |
|--|---|----|---|
| 86.90 Outlays from new current authority | 3 | 14 | |
| 86.93 Outlays from current balances | | | 3 |
| 87.00 Total outlays (gross) | 3 | 16 | 3 |

Net budget authority and outlays:

| | | | |
|------------------------------|---|----|---|
| 89.00 Budget authority | 4 | 14 | |
| 90.00 Outlays | 3 | 16 | 3 |

The Alaska Power Administration (APA) is responsible for operation and maintenance and power marketing for the Eklutna and Snettisham hydroelectric projects in accordance with the authorizing legislation for each project.

On November 28, 1995, the Alaska Power Administration Asset Sale and Termination Act (Public Law 104-58) was signed into law. Consistent with this legislation, APA's remaining activities will concentrate on the termination of the Alaska Power Administration and transfer of its assets to non-federal ownership by August 20, 1998. Unobligated balances will be used for these activities until APA is terminated in 1999.

Object Classification (in millions of dollars)

| Identification code 89-0304-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 11.1 Personnel compensation: Full-time permanent | 1 | 1 | 1 |
| 25.2 Other services | 1 | 1 | 1 |
| 31.0 Equipment | | 12 | |
| 99.0 Subtotal, direct obligations | 2 | 14 | 2 |
| 99.5 Below reporting threshold | | 1 | |
| 99.9 Total obligations | 2 | 15 | 2 |

Personnel Summary

| Identification code 89-0304-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 10 | 11 | 8 |

OPERATION AND MAINTENANCE, SOUTHEASTERN POWER ADMINISTRATION

For necessary expenses of operation and maintenance of power transmission facilities and of marketing electric power and energy pursuant to the provisions of section 5 of the Flood Control Act of 1944 (16 U.S.C. 825s), as applied to the southeastern power area, [\$12,222,000] \$8,500,000, to remain available until expended; in addition, notwithstanding 31 U.S.C. 3302, not to exceed [\$20,000,000] \$28,000,000 in reimbursements [for transmission wheeling and ancillary services], of which \$20,000,000 is for transmission wheeling and ancillary services and \$8,000,000 is for power purchases at the Richard B. Russell Project, to remain available until expended. (Energy and Water Development Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-0302-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| Direct program: | | | |
| 00.01 Program direction | 4 | 4 | 4 |
| 00.02 Purchase power and wheeling | 20 | 12 | 7 |
| 00.91 Subtotal, direct program | 24 | 16 | 11 |
| 09.01 Reimbursable program | | 20 | 28 |
| 10.00 Total obligations | 24 | 36 | 39 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 14 | 6 | 2 |
| 22.00 New budget authority (gross) | 16 | 32 | 37 |
| 23.90 Total budgetary resources available for obligation | 30 | 38 | 39 |
| 23.95 New obligations | -24 | -36 | -39 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 6 | 2 | |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.00 Appropriation | 16 | 12 | 9 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Off- | | | |
| setting collections (cash) | | 20 | 28 |
| 70.00 Total new budget authority (gross) | 16 | 32 | 37 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 2 | 3 | 7 |
| 73.10 New obligations | 24 | 36 | 39 |
| 73.20 Total outlays (gross) | -24 | -32 | -37 |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 3 | 7 | 9 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 16 | 12 | 9 |
| 86.93 Outlays from current balances | 8 | | |
| 86.97 Outlays from new permanent authority | | 20 | 28 |
| 87.00 Total outlays (gross) | 24 | 32 | 37 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| 88.40 Offsetting collections (cash) from: Non-Federal | | | |
| sources | | -20 | -28 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 16 | 12 | 9 |
| 90.00 Outlays | 24 | 12 | 9 |

The Southeastern Power Administration (SEPA) markets power generated at Corps of Engineers hydroelectric generating plants in an eleven-State area of the Southeast. Deliveries are made by means of transmission facilities owned by others. There are 23 projects now in operation.

SEPA sells wholesale power primarily to publicly and cooperatively-owned electric distribution utilities using wheeling and pooling agreements with the region's large private utilities to provide firm power to its customers. SEPA does not own or operate any transmission facilities. Its long-term contracts provide for periodic electric rate adjustments to ensure that the Federal Government recovers costs of operation and capital invested in power, with interest, in keeping with statutory requirements.

The SEPA program includes the following activities:

Program direction.—Provision is made for negotiation and administration of power contracts, collection of revenues, development of wholesale power rates, the amortization of power investment, investigation and planning of proposed water resources projects, scheduling and dispatch of power generation, scheduling storage and release of water, administration of contractual operation requirements, and determination of methods of operating generating plants individ-

ually and in coordination with others to obtain maximum utilization of resources. Proprietary receipts deposited in the Treasury were \$154 million for fiscal year 1997 and are estimated to be \$145 million for fiscal year 1998 and \$170 million for fiscal year 1999.

Purchase power and wheeling.—Provision is made for the payment of wheeling fees and for the purchase of electricity in connection with disposal of power under contracts with utility companies. After FY 1999, SEPA customers will pay wheeling fees directly to transmission suppliers.

Based on Administration policy the Southeastern Power Administration will set rates, consistent with current law, to recover the full cost of the Civil Service Retirement System and Post-Retirement Health Benefits, for its employees, that have not been recovered in the past. The estimated increase in receipts to the Treasury is \$3 million annually.

For display purposes only, the unobligated balances of this account include a continuing fund of \$50 thousand, maintained from receipts from the transmission and sale of electric power in the southeastern area, which is available to defray expenses necessary to ensure continuity of services (16 U.S.C. 825s-2).

Object Classification (in millions of dollars)

| Identification code 89-0302-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Direct obligations: | | | |
| 11.1 Personnel compensation: Full-time permanent | 4 | 4 | 4 |
| 25.2 Other services | 20 | 12 | 7 |
| 99.0 Subtotal, direct obligations | 24 | 16 | 11 |
| 99.0 Reimbursable obligations | | 20 | 28 |
| 99.9 Total obligations | 24 | 36 | 39 |

Personnel Summary

| Identification code 89-0302-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent | | | |
| employment | 41 | 41 | 41 |

OPERATION AND MAINTENANCE, SOUTHWESTERN POWER ADMINISTRATION

For necessary expenses of operation and maintenance of power transmission facilities and of marketing electric power and energy, and for construction and acquisition of transmission lines, substations and appurtenant facilities, and for administrative expenses, including official reception and representation expenses in an amount not to exceed \$1,500 in carrying out the provisions of section 5 of the Flood Control Act of 1944 (16 U.S.C. 825s), as applied to the southwestern power area, [\$25,210,000] \$26,000,000, to remain available until expended; in addition, notwithstanding the provisions of 31 U.S.C. 3302, not to exceed [\$4,650,000] \$4,200,000 in reimbursements, to remain available until expended. (*Energy and Water Development Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0303-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| Direct program: | | | |
| 00.01 Systems operation and maintenance | 2 | 2 | 3 |
| 00.02 Purchase power and wheeling | 1 | | |
| 00.03 Construction | 6 | 7 | 7 |
| 00.04 Program direction | 18 | 17 | 16 |
| 00.91 Total direct program | 27 | 26 | 26 |
| 09.01 Reimbursable program | 4 | 5 | 11 |
| 10.00 Total obligations | 31 | 31 | 37 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 2 | 1 | |

OPERATION AND MAINTENANCE, SOUTHWESTERN POWER ADMINISTRATION—Continued

Program and Financing (in millions of dollars)—Continued

| Identification code 89-0303-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 22.00 New budget authority (gross) | 29 | 30 | 37 |
| 22.10 Resources available from recoveries of prior year obligations | 1 | | |
| 23.90 Total budgetary resources available for obligation | 32 | 31 | 37 |
| 23.95 New obligations | -31 | -31 | -37 |
| 24.40 Unobligated balance available, end of year: Uninvested | 1 | | |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.00 Appropriation | 25 | 25 | 26 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Offsetting collections (cash) | 4 | 5 | 11 |
| 70.00 Total new budget authority (gross) | 29 | 30 | 37 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 16 | 14 | 14 |
| 73.10 New obligations | 31 | 31 | 37 |
| 73.20 Total outlays (gross) | -32 | -32 | -37 |
| 73.45 Adjustments in unexpired accounts | -1 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 14 | 14 | 14 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 20 | 18 | 19 |
| 86.93 Outlays from current balances | 8 | 9 | 7 |
| 86.97 Outlays from new permanent authority | 4 | 5 | 11 |
| 87.00 Total outlays (gross) | 32 | 32 | 37 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| Offsetting collections (cash) from: | | | |
| 88.00 Federal sources | | | -7 |
| 88.40 Non-Federal sources | -4 | -5 | -4 |
| 88.90 Total, offsetting collections (cash) | -4 | -5 | -11 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 25 | 25 | 26 |
| 90.00 Outlays | 28 | 27 | 26 |

The Southwestern Power Administration (Southwestern) operates in a six-State area as a marketing agent for hydroelectric power produced at Corps of Engineers dams. It also operates and maintains some 2,225 kilometers (1,380 miles) of high voltage transmission lines, 24 substations and switching stations, and 46 VHF radio and microwave stations. Southwestern sells its power at wholesale primarily to publicly and cooperatively owned electric distribution utilities. Its power sales contracts provide for periodic rate adjustments to ensure that the Federal Government recovers all costs of operation and all capital invested in power, with interest, in keeping with statutory requirements.

Southwestern also is responsible for scheduling and dispatching power, negotiating power sales contracts, and constructing facilities required to meet changing customer load requirements.

Program Direction.—This activity provides for the overall direction and support of Southwestern's program activities and includes salaries and benefits, travel, support services and other related expenses such as rent, utilities, communications, supplies, materials and building maintenance.

Systems operation and maintenance.—Provision is made for engineering assessments of issues and alternatives that could adversely impact or optimize the operation of Southwestern's hydroelectric resources. Provision also is made for maintenance and improvement of the transmission system and relat-

ed facilities to ensure reliable service, negotiation and administration of power contracts, collection of revenue, development of wholesale power rates and the amortization of the power investment. Actual proprietary receipts in the amount of \$102 million were deposited in the Treasury in 1997. Estimated proprietary receipts in the amount of \$95 million in 1998 and \$93 million in 1999 are expected.

Purchase power and wheeling.—Provision is made for the payment of wheeling fees and for the purchase of energy in connection with the marketing of power under contracts with utility companies.

Construction.—The construction program provides for transmission, substation, switching and control facility projects to transmit power generated at Corps of Engineers' hydroelectric projects in the Southwest. This program is coordinated with the Corps of Engineers' construction program and customer requirements.

Reimbursable program.—This program involves services provided by Southwestern Power Administration to others under various types of reimbursable arrangements.

Based on Administration policy the Southwestern Power Administration will set rates, consistent with current law, to recover the full cost of the Civil Service Retirement System and Post-Retirement Health Benefits, for its employees, that have not been recovered in the past. The estimated increase in receipts to the Treasury is \$2 million annually.

For display purposes only, the unobligated balances of this account include a continuing fund of \$300 thousand, which is replenished from power receipts and is available permanently for emergency expenses that would be necessary to ensure continuity of service (16 U.S.C. 825s-1; 63 Stat. 767; 65 Stat. 249).

Object Classification (in millions of dollars)

| Identification code 89-0303-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Direct obligations: | | | |
| 11.1 Personnel compensation: Full-time permanent | 10 | 10 | 10 |
| 12.1 Civilian personnel benefits | 2 | 2 | 2 |
| 21.0 Travel and transportation of persons | 1 | 1 | 1 |
| 23.1 Rental payments to GSA | 3 | 1 | 1 |
| 25.2 Other services | 7 | 8 | 7 |
| 26.0 Supplies and materials | 1 | 1 | 1 |
| 31.0 Equipment | 3 | 3 | 4 |
| 99.0 Subtotal, direct obligations | 27 | 26 | 26 |
| 99.0 Reimbursable obligations | 4 | 5 | 11 |
| 99.9 Total obligations | 31 | 31 | 37 |

Personnel Summary

| Identification code 89-0303-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 175 | 189 | 186 |

CONSTRUCTION, REHABILITATION, OPERATION AND MAINTENANCE, WESTERN AREA POWER ADMINISTRATION (INCLUDING TRANSFER OF FUNDS)

For carrying out the functions authorized by title III, section 302(a)(1)(E) of the Act of August 4, 1977 (42 U.S.C. [7101 et seq.] 7152), and other related activities including conservation and renewable resources programs as authorized, including [the replacement of not more than two helicopters through transfers, exchanges, or sale, and] official reception and representation expenses in an amount not to exceed \$1,500, [\$189,043,000] \$215,435,000, to remain available until expended, of which [\$182,806,000] \$206,222,000 shall be derived from the Department of the Interior Reclamation Fund: Provided, That of the amount herein appropriated, [\$5,592,000] \$5,036,000 is for deposit into the Utah Reclamation Mitigation and Conservation Account pursuant to title IV of the Reclamation Projects Authorization and Adjustment Act of 1992: Provided further, That

the Secretary of the Treasury is authorized to transfer from the Colorado River Dam Fund to the Western Area Power Administration \$5,592,000 to carry out the power marketing and transmission activities of the Boulder Canyon project as provided in section 104(a)(4) of the Hoover Power Plant Act of 1984, to remain available until expended]. (*Energy and Water Development Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-5068-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| Operating expenses: | | | |
| 00.01 Systems operation and maintenance | 41 | 41 | 37 |
| 00.02 Purchase power and wheeling | 61 | 54 | 54 |
| 00.04 Program direction | 94 | 105 | 107 |
| 00.05 Utah mitigation and conservation fund | 6 | 6 | 5 |
| 00.91 Total operating expenses | 202 | 206 | 203 |
| 01.01 Capital investment | 25 | 22 | 21 |
| 09.01 Reimbursable program | 51 | 127 | 129 |
| 10.00 Total obligations | 278 | 355 | 353 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 82 | 45 | 9 |
| 22.00 New budget authority (gross) | 237 | 319 | 344 |
| 22.10 Resources available from recoveries of prior year obligations | 4 | | |
| 23.90 Total budgetary resources available for obligation | 323 | 364 | 353 |
| 23.95 New obligations | -278 | -355 | -353 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 45 | 9 | 1 |
| New budget authority (gross), detail: | | | |
| Current: | | | |
| 40.00 Appropriation | 8 | 6 | 9 |
| 40.20 Appropriation (special fund, definite) | 186 | 183 | 206 |
| 40.35 Appropriation rescinded | -11 | | |
| 42.00 Transferred from other accounts | 3 | 6 | |
| 43.00 Appropriation (total) | 186 | 195 | 215 |
| Permanent: | | | |
| 68.00 Spending authority from offsetting collections: Offsetting collections (cash) | 51 | 124 | 129 |
| 70.00 Total new budget authority (gross) | 237 | 319 | 344 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 143 | 146 | 187 |
| 73.10 New obligations | 278 | 355 | 353 |
| 73.20 Total outlays (gross) | -269 | -314 | -333 |
| 73.45 Adjustments in unexpired accounts | -4 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 146 | 187 | 207 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 186 | 88 | 97 |
| 86.93 Outlays from current balances | 32 | 102 | 107 |
| 86.97 Outlays from new permanent authority | 51 | 124 | 129 |
| 87.00 Total outlays (gross) | 269 | 314 | 333 |
| Offsets: | | | |
| Against gross budget authority and outlays: | | | |
| Offsetting collections (cash) from: | | | |
| 88.00 Federal sources | -38 | -67 | -63 |
| 88.40 Non-Federal sources | -13 | -57 | -66 |
| 88.90 Total, offsetting collections (cash) | -51 | -124 | -129 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 186 | 195 | 215 |
| 90.00 Outlays | 219 | 190 | 204 |

The Western Area Power Administration (Western) markets electric power in 15 western States from federally-owned power plants operated primarily by the Bureau of Reclamation, Corps of Engineers, and the International Boundary and Water Commission. Western operates and maintains approxi-

mately 16,850 circuit-miles of high-voltage transmission lines and 258 substations/switchyards, and constructs additions and modifications to existing facilities.

In keeping with statutory requirements, Western's long-term power contracts allow for periodic rate adjustments to ensure that the Federal Government recovers costs of operation, other costs allocated to power, and the capital investment in power facilities, with interest.

Systems operation and maintenance.—A total of 13 power systems will be operated and maintained.

Power is sold to wholesale customers such as municipalities, cooperatives, irrigation districts, public utility districts, State and Federal Government agencies, and private utilities. Receipts are deposited in the Reclamation Fund, the Falcon and Amistad Operating and Maintenance Fund, the General fund, the Colorado River Dam Fund, the Central Valley Project Restoration Fund, the Colorado River Basins Power Marketing Fund.

Purchase of power and wheeling.—The program provides for firming energy purchases and wheeling necessary to meet power sales authorized by law. Financing of this program consists of annual appropriated financing and non-appropriated financing (net billing, bill crediting Federal reimbursable, and non-Federal customer advances).

System construction.—Western's construction and rehabilitation activity emphasizes replacement and upgrades of existing infrastructure to sustain reliable power delivery to our customers, to contain annual maintenance costs, and to improve overall operational efficiency. Western will continue to participate in joint construction projects to encourage more widespread transmission access.

Program direction.—This activity provides compensation and all related expenses for the workforce that operates and maintains Western's high voltage interconnected transmission system (systems operation and maintenance program), and those that plan design, and supervise the construction of replacement, upgrades and additions (system construction program) to the transmission facilities.

Utah Mitigation and Conservation.—The request includes \$5,036,000 for deposit into the Utah Reclamation Mitigation and Conservation Account in the U.S. Treasury, pursuant to Title IV of the Reclamation Projects Authorization and Adjustment Act of 1992. Funds are earmarked primarily for environmental mitigation expenditures in the State of Utah covering fish and wildlife, and recreation resources impacted by the Colorado River Storage Project.

Reimbursable program.—This program involves services provided by Western to others under various types of reimbursable arrangements.

Based on Administration policy, the Western Area Power Administration will set rates, consistent with current law, to recover the full cost of the Civil Service Retirement System and Post-Retirement Health Benefits, for its employees, that have not been recovered in the past. The estimated increase in receipts to the Treasury is \$8 million annually.

For display purposes only, the unobligated balances of this account include a continuing fund of \$500 thousand, which is maintained from deposits to the Reclamation Fund, and is available to ensure continuous operation of power systems in the event of below normal hydropower generation, equipment failure, or other damage caused by acts of God, flood, drought, strikes, embargoes, or other conditions which might cause interruptions in service.

Object Classification (in millions of dollars)

| Identification code 89-5068-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Direct obligations: | | | |
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 57 | 54 | 56 |
| 11.3 Other than full-time permanent | 1 | 1 | 1 |

CONSTRUCTION, REHABILITATION, OPERATION AND MAINTENANCE,
WESTERN AREA POWER ADMINISTRATION—Continued

(INCLUDING TRANSFER OF FUNDS)—Continued

Object Classification (in millions of dollars)—Continued

| Identification code 89-5068-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 11.5 Other personnel compensation | 3 | 3 | 3 |
| 11.9 Total personnel compensation | 61 | 58 | 60 |
| 12.1 Civilian personnel benefits | 15 | 14 | 15 |
| 13.0 Benefits for former personnel | 1 | 1 | |
| 21.0 Travel and transportation of persons | 5 | 5 | 5 |
| 22.0 Transportation of things | 2 | 3 | 3 |
| 23.1 Rental payments to GSA | 3 | 3 | 3 |
| 23.3 Communications, utilities, and miscellaneous charges | 5 | 4 | 5 |
| 25.2 Other services | 80 | 86 | 85 |
| 25.3 Purchases of goods and services from Government accounts | 1 | 2 | 1 |
| 26.0 Supplies and materials | 7 | 7 | 7 |
| 31.0 Equipment | 14 | 14 | 11 |
| 32.0 Land and structures | 27 | 25 | 24 |
| 41.0 Grants, subsidies, and contributions | 6 | 6 | 5 |
| 99.0 Subtotal, direct obligations | 227 | 228 | 224 |
| 99.0 Reimbursable obligations | 51 | 127 | 129 |
| 99.9 Total obligations | 278 | 355 | 353 |

Personnel Summary

| Identification code 89-5068-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 1,100 | 1,168 | 1,168 |

FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND

For operation, maintenance, and emergency costs for the hydroelectric facilities at the Falcon and Amistad Dams, [\$970,000] \$1,010,000, to remain available until expended, and to be derived from the Falcon and Amistad Operating and Maintenance Fund of the Western Area Power Administration, as provided in section 423 of the Foreign Relations Authorization Act, Fiscal Years 1994 and 1995. (Energy and Water Development Appropriations Act, 1998.)

Unavailable Collections (in millions of dollars)

| Identification code 89-5178-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | 2 | 2 | 2 |
| Receipts: | | | |
| 02.01 Falcon and Amistad operating and maintenance fund | 1 | 1 | 1 |
| 04.00 Total: Balances and collections | 3 | 3 | 3 |
| Appropriation: | | | |
| 05.01 Falcon and Amistad operating and maintenance fund | -1 | -1 | -1 |
| 07.99 Total balance, end of year | 2 | 2 | 2 |

Program and Financing (in millions of dollars)

| Identification code 89-5178-0-2-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Operating Expense | 1 | 1 | 1 |
| 10.00 Total obligations (object class 25.3) | 1 | 1 | 1 |
| Budgetary resources available for obligation: | | | |
| 22.00 New budget authority (gross) | 1 | 1 | 1 |
| 23.95 New obligations | -1 | -1 | -1 |
| New budget authority (gross), detail: | | | |
| 40.20 Appropriation (special fund, definite) | 1 | 1 | 1 |
| Change in unpaid obligations: | | | |
| 73.10 New obligations | 1 | 1 | 1 |
| 73.20 Total outlays (gross) | -1 | -1 | -1 |

| | | | |
|--|---|---|---|
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 1 | 1 | 1 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 1 | 1 | 1 |
| 90.00 Outlays | 1 | 1 | 1 |

Pursuant to section 423(c) of the Foreign Relations Authorization Act, Fiscal Years 1994 and 1995, Western Area Power Administration is requesting an appropriation from the Falcon and Amistad Operating and Maintenance Fund, to defray operations, maintenance, and emergency (O,M&E) expenses for the hydroelectric facilities at Falcon and Amistad Dams on the Rio Grande River. Most of these funds will be made available to the United States Section of the International Boundary and Water Commission through a reimbursable agreement. \$200,000 in the Fund is for an emergency reserve that will remain unobligated unless unanticipated expenses arise. Revenues in excess of O,M&E will be paid to the General Fund to repay the costs of replacements and the original investment with interest. Revenues resulting from the Falcon and Amistad dams power system operations are deposited to the Falcon and Amistad Operating and Maintenance Fund.

Public enterprise funds:

BONNEVILLE POWER ADMINISTRATION FUND

Expenditures from the Bonneville Power Administration Fund, established pursuant to Public Law 93-454, are approved for [the anadromous fish supplementation facilities in the Yakima River Basin, Methow River Basin and Upper Snake River Basin, for the Billy Shaw Reservoir resident fish substitution project, and for the resident trout fish culture facility in Southeast Idaho; and] official reception and representation expenses in an amount not to exceed \$3,000. During fiscal year [1998] 1999, no new direct loan obligations may be made. (Energy and Water Development Appropriations Act, 1998.)

Program and Financing (in millions of dollars)

| Identification code 89-4045-0-3-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| Operating expenses: | | | |
| 00.01 Power business line | 814 | 992 | 1,036 |
| 00.02 Residential exchange | 171 | 73 | 60 |
| 00.05 Bureau of Reclamation | 46 | 43 | 43 |
| 00.06 Corps of Engineers | 86 | 95 | 98 |
| 00.07 Colville settlement | 16 | 16 | 15 |
| 00.19 U.S. Fish & Wildlife | 12 | 12 | 12 |
| 00.20 Planning council | 8 | 8 | 7 |
| 00.21 Fish & wildlife | 82 | 110 | 110 |
| 00.23 Transmission business line | 179 | 179 | 177 |
| 00.24 Conservation & energy efficiency | 32 | 41 | 36 |
| 00.25 Interest | 450 | 429 | 428 |
| 00.26 Pension and health benefits | | 2 | 4 |
| 00.91 Total operating expenses | 1,896 | 2,000 | 2,026 |
| Capital investment: | | | |
| 01.01 Power business line | 19 | 50 | 74 |
| 01.02 Transmission services | 134 | 147 | 136 |
| 01.03 Conservation & energy efficiency | 20 | 16 | 9 |
| 01.04 Fish & wildlife | 21 | 27 | 27 |
| 01.05 Capital equipment | 7 | 9 | 7 |
| 01.06 Capitalized bonds premiums | 8 | 5 | 5 |
| 01.91 Total capital investment | 209 | 254 | 258 |
| 02.01 Projects funded in advance | 16 | 30 | 29 |
| 10.00 Total obligations | 2,121 | 2,284 | 2,313 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 235 | 424 | 424 |
| 22.00 New budget authority (gross) | 2,310 | 2,284 | 2,313 |
| 23.90 Total budgetary resources available for obligation | 2,545 | 2,708 | 2,737 |
| 23.95 New obligations | -2,121 | -2,284 | -2,313 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 424 | 424 | 424 |

| | | | | |
|---|--|--------|--------|--------|
| New budget authority (gross), detail: | | | | |
| 67.15 | Authority to borrow (indefinite) | 221 | 202 | 118 |
| Spending authority from offsetting collections: | | | | |
| 68.00 | Offsetting collections (cash) | 2,294 | 2,309 | 2,359 |
| 68.47 | Portion applied to debt reduction | -205 | -227 | -164 |
| 68.90 | Spending authority from offsetting collections (total) | 2,089 | 2,082 | 2,195 |
| 70.00 | Total new budget authority (gross) | 2,310 | 2,284 | 2,313 |
| Change in unpaid obligations: | | | | |
| 72.40 | Unpaid obligations, start of year: Obligated balance: | | | |
| | Uninvested | 46 | 30 | 20 |
| 73.10 | New obligations | 2,121 | 2,284 | 2,313 |
| 73.20 | Total outlays (gross) | -2,137 | -2,294 | -2,313 |
| 74.40 | Unpaid obligations, end of year: Obligated balance: | | | |
| | Uninvested | 30 | 20 | 20 |
| Outlays (gross), detail: | | | | |
| 86.97 | Outlays from new permanent authority | 2,310 | 2,284 | 2,313 |
| 86.98 | Outlays from permanent balances | -173 | 10 | |
| 87.00 | Total outlays (gross) | 2,137 | 2,294 | 2,313 |
| Offsets: | | | | |
| Against gross budget authority and outlays: | | | | |
| Offsetting collections (cash) from: | | | | |
| 88.00 | Federal sources | -35 | -90 | -90 |
| 88.40 | Non-Federal sources | -2,259 | -2,219 | -2,269 |
| 88.90 | Total, offsetting collections (cash) | -2,294 | -2,309 | -2,359 |
| Net budget authority and outlays: | | | | |
| 89.00 | Budget authority | 16 | -25 | -46 |
| 90.00 | Outlays | -157 | -15 | -46 |

Status of Direct Loans (in millions of dollars)

| Identification code 89-4045-0-3-271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Cumulative balance of direct loans outstanding: | | | |
| 1210 Outstanding, start of year | 2 | 2 | 2 |
| 1290 Outstanding, end of year | 2 | 2 | 2 |

Bonneville Power Administration (BPA) is the Federal electric power marketing agency in the Pacific Northwest. BPA markets hydroelectric power from 21 multipurpose water resource projects of the U.S. Army Corps of Engineers and 8 projects of the U.S. Bureau of Reclamation, plus some energy from non-Federal generating projects in the region. These generating resources and BPA's transmission system, planned by the end of 1999 to consist of an estimated 14,800 circuit miles of high-voltage transmission lines and 400 substations, are operated as an integrated power system with operating and financial results combined and reported as the Federal Columbia River Power System (FCRPS). BPA is the largest power wholesaler in the Northwest and provides about one-half of the region's electric energy supply and about four-fifths of the region's electric power transmission capacity.

BPA is responsible for meeting the net firm power requirements of its requesting customers through a variety of means, including energy conservation programs, acquisition of renewable and other resources, and power exchanges with utilities both in and outside the region.

BPA will finance its operations on the basis of the self-financing authority provided by Federal Columbia River Transmission System Act of 1974 (Transmission Act) (Public Law 93-454) and the new borrowing authority provided by the Pacific Northwest Electric Power Planning and Conservation Act (Pacific Northwest Power Act) (Public Law 96-501) for energy conservation, renewable energy resources and capital fish facilities. Authority to borrow is available to the BPA on a permanent, indefinite basis. The amount of borrowing outstanding at any time cannot exceed \$3.75 billion.

Operating expenses: Transmission Services Business Line.—Provides funding from revenues for electric transmission re-

search and development and program support of the capital investment program described below for transmission services. Provides for operating an estimated 14,800 miles of line and 400 substations, and for maintaining the facilities and equipment of the Bonneville transmission system in 1999.

Power Business Line.—Provides for the planning, contractual acquisition and oversight of reliable, cost effective resources. These resources are needed to serve BPA's portion of the region's forecasted net electric load requirements. Also includes protection, mitigation and enhancement of fish and wildlife affected by hydroelectric facilities on the Columbia River and its tributaries in accordance with the Pacific Northwest Power Act. Provides for payment of the operation and maintenance (O&M) costs of the 29 U.S. Army Corps of Engineers and U.S. Bureau of Reclamation power generation projects, and amortization on the U.S. Bureau of Reclamation capital investment in power generating facilities and irrigation assistance at Bureau facilities. Also provides for extending the benefits of low cost Federal power to the residential and small farm customers of investor-owned and publicly-owned utilities, in accordance with the Pacific Northwest Power Act and for activities of the Pacific Northwest Electric Power and Conservation Planning Council required by the Pacific Northwest Power Act.

Energy Efficiency.—Provides for the planning, contractual acquisition and oversight of reliable, cost effective conservation.

Interest.—Provides for payments to the U.S. Treasury for interest on borrowings to finance BPA's transmission services, conservation, capital equipment, fish and wildlife, and associated projects capital programs under \$3.75 billion borrowing authority provided by the Transmission Act as amended by the Pacific Northwest Power Act and replenished by Public Law 98-50. This category also includes interest on Corps of Engineers, BPA and U.S. Bureau of Reclamation appropriated debt.

Capital Investments: Transmission Services Business Line.—Provides for the planning, design and construction of transmission lines, substation and control system additions, replacements, and enhancements to the FCRPS transmission system for a reliable, efficient and cost-effective regional transmission system. Provides for planning, design, and construction work to repair or replace existing transmission lines, substations, control systems, and general facilities of the FCRPS transmission system.

Power Business Line.—Provides for direct funding of additions, improvements, and replacements at existing Federal hydroelectric projects in the Northwest. Also provides for capital investments to implement environmental activities, and protect, mitigate, and enhance fish and wildlife affected by hydroelectric facilities on the Columbia River and its tributaries, in accordance with the Pacific Northwest Power Act.

Energy Efficiency.—Provides for the planning, contractual acquisition and oversight of reliable, cost effective conservation.

Capital equipment.—Provides for general purpose ADP equipment, office furniture and equipment, and software capital development in support of all BPA programs.

Contingencies.—Although contingencies are not specifically funded, the need may arise to provide for purchase of power in low-water years; for repair and/or replacement of facilities affected by natural and man-made emergencies, including the resulting additional costs for contracting, construction, and operation and maintenance work; for unavoidable increased costs for the planned program due to necessary but unforeseen adjustments, including engineering and design changes, contractor and other claims and relocations, or for payment of a retrospective premium adjustment in excess nuclear property insurance.

Public enterprise funds—Continued

BONNEVILLE POWER ADMINISTRATION FUND—Continued

Financing.—The Transmission Act provides for the use by BPA of all receipts, collections, and recoveries in cash from all sources, including the sale of bonds, to finance the annual budget programs of BPA. These receipts result primarily from the sale of power and wheeling services. The Transmission Act also provides for authority to borrow from the U.S. Treasury at rates comparable to borrowings at open market rates for similar issues. As amended by the Pacific Northwest Power Act and replenished by Public Law 98–50, it allows for \$3.75 billion of borrowing to be outstanding at any time. The fiscal year 1999 capital obligations are estimated to be \$258 million. To the extent BPA capital borrowing authority is insufficient in 1999, BPA would use cash reserves generated by revenues from customers, if available, to finance some of these investments.

In FY 1997, BPA made payments to the Treasury of \$775 million and also expects to make payments of \$774 million in 1998 and \$712 million in 1999. The 1999 payment will be distributed as follows: U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service O&M (\$110 million), interest on bonds and appropriations (\$438 million), and amortization (\$164 million).

Direct loans.—During FY 1999, no new direct loan obligations may be made.

Operating results.—Total revenues are forecast at approximately \$2.3 billion in FY 1999.

It should be noted that BPA's revenue forecasts are based on several critical assumptions about both the supply of and demand for Federal energy. During the operating year, deviation from the conditions assumed in a rate case may result in a variation in actual revenues of several hundred million dollars from the forecast.

Consistent with Administration policy, BPA will continue to fully recover, from the sale of electric power and transmission, funds sufficient to cover the full cost of Civil Service Retirement System and Post-Retirement Health Benefits for their employees. The entire cost of BPA employees working under the Federal Employees Retirement System is already fully recovered in wholesale electric power and transmission rates.

Statement of Operations (in millions of dollars)

| Identification code 89–4045–0–3–271 | 1996 actual | 1997 actual | 1998 est. | 1999 est. |
|-------------------------------------|-------------|-------------|-----------|-----------|
| 0101 Revenue | 2,428 | 2,281 | 2,279 | 2,330 |
| 0102 Expense | –2,332 | –2,083 | –2,030 | –2,055 |
| 0199 Net income or loss | 96 | 198 | 249 | 275 |

Balance Sheet (in millions of dollars)

| Identification code 89–4045–0–3–271 | 1996 actual | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-------------|-----------|-----------|
| ASSETS: | | | | |
| Federal assets: | | | | |
| 1101 Fund balances with Treasury | 198 | 399 | 300 | 300 |
| Investments in US securities: | | | | |
| 1106 Receivables, net | 3 | 3 | 3 | 3 |
| 1206 Non-Federal assets: Receivables, net | 197 | 170 | 170 | 170 |
| 1601 Net value of assets related to pre–1992 direct loans receivable and acquired defaulted guaranteed loans receivable: Direct loans, gross | 2 | 2 | 2 | 2 |
| Other Federal assets: | | | | |
| 1802 Inventories and related properties | 61 | 70 | 70 | 70 |
| 1803 Property, plant and equipment, net | 3,258 | 3,257 | 3,283 | 3,296 |
| 1901 Other assets | 8,161 | 8,086 | 8,109 | 8,149 |
| 1999 Total assets | 11,880 | 11,987 | 11,937 | 11,990 |
| LIABILITIES: | | | | |
| 2102 Federal liabilities: Interest payable | 58 | 40 | 40 | 40 |
| Non-Federal liabilities: | | | | |
| 2201 Accounts payable | 151 | 119 | 120 | 120 |
| 2203 Debt | 11,058 | 10,961 | 10,796 | 10,730 |

| | | | | |
|---|--------|--------|--------|--------|
| 2205 Lease liabilities, net | | | | |
| 2207 Other | 162 | 230 | 230 | 230 |
| 2999 Total liabilities | 11,429 | 11,350 | 11,186 | 11,120 |
| NET POSITION: | | | | |
| 3300 Cumulative results of operations | 451 | 637 | 751 | 870 |
| 3999 Total net position | 451 | 637 | 751 | 870 |
| 4999 Total liabilities and net position | 11,880 | 11,987 | 11,937 | 11,990 |

Object Classification (in millions of dollars)

| Identification code 89–4045–0–3–271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 185 | 183 | 180 |
| 11.3 Other than full-time permanent | 1 | 1 | 1 |
| 11.5 Other personnel compensation | 9 | 9 | 9 |
| 11.9 Total personnel compensation | 195 | 193 | 190 |
| Civilian personnel benefits: | | | |
| 12.1 Civilian personnel benefits | | 2 | 4 |
| 12.1 Civilian personnel benefits | 25 | 25 | 23 |
| 21.0 Travel and transportation of persons | 10 | 10 | 9 |
| 22.0 Transportation of things | 5 | 5 | 5 |
| 23.1 Rental payments to GSA | 10 | 10 | 10 |
| 23.2 Rental payments to others | 9 | 9 | 9 |
| 23.3 Communications, utilities, and miscellaneous charges | 5 | 5 | 5 |
| 24.0 Printing and reproduction | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 1 | 2 | 1 |
| 25.2 Other services | 1,113 | 1,269 | 1,284 |
| 25.3 Purchases of goods and services from Government accounts | 202 | 223 | 223 |
| 25.5 Research and development contracts | 7 | 7 | 7 |
| 26.0 Supplies and materials | 16 | 16 | 16 |
| 31.0 Equipment | 46 | 46 | 46 |
| 32.0 Land and structures | 17 | 17 | 17 |
| 41.0 Grants, subsidies, and contributions | 9 | 9 | 9 |
| 43.0 Interest and dividends | 450 | 435 | 454 |
| 99.9 Total obligations | 2,121 | 2,284 | 2,313 |

Personnel Summary

| Identification code 89–4045–0–3–271 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 2,929 | 2,930 | 2,755 |

COLORADO RIVER BASINS POWER MARKETING FUND, WESTERN AREA POWER ADMINISTRATION

Program and Financing (in millions of dollars)

| Identification code 89–4452–0–3–271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 09.01 Program direction | 29 | 25 | 26 |
| 09.02 Colorado River storage project | 59 | 90 | 67 |
| 09.03 Fort Peck project | 6 | 7 | 7 |
| 09.04 Other projects | 1 | 3 | 1 |
| 10.00 Total obligations | 95 | 125 | 101 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 19 | 27 | 27 |
| 22.00 New budget authority (gross) | 104 | 125 | 101 |
| 23.90 Total budgetary resources available for obligation | 123 | 152 | 128 |
| 23.95 New obligations | –95 | –125 | –101 |
| 24.40 Unobligated balance available, end of year: Uninvested | 27 | 27 | 28 |
| New budget authority (gross), detail: | | | |
| Spending authority from offsetting collections: | | | |
| 68.00 Offsetting collections (cash) | 130 | 141 | 117 |
| 68.27 Capital transfer to general fund | –26 | –16 | –16 |
| 68.90 Spending authority from offsetting collections (total) | 104 | 125 | 101 |
| 70.00 Total new budget authority (gross) | 104 | 125 | 101 |

| | | | | |
|---|---|------|------|------|
| Change in unpaid obligations: | | | | |
| 72.40 | Unpaid obligations, start of year: Obligated balance: | | | |
| | Uninvested | 14 | 14 | 14 |
| 73.10 | New obligations | 95 | 125 | 101 |
| 73.20 | Total outlays (gross) | -95 | -125 | -101 |
| 74.40 | Unpaid obligations, end of year: Obligated balance: | | | |
| | Uninvested | 14 | 14 | 13 |
| Outlays (gross), detail: | | | | |
| 86.97 | Outlays from new permanent authority | 95 | 125 | 101 |
| Offsets: | | | | |
| Against gross budget authority and outlays: | | | | |
| Offsetting collections (cash) from: | | | | |
| 88.00 | Federal sources | -8 | -8 | -8 |
| 88.40 | Non-Federal sources | -122 | -133 | -109 |
| 88.90 | Total, offsetting collections (cash) | -130 | -141 | -117 |
| Net budget authority and outlays: | | | | |
| 89.00 | Budget authority | -26 | -16 | -16 |
| 90.00 | Outlays | -35 | -16 | -16 |

Western's operation and maintenance and power marketing expenses for the Colorado River Storage Project, the Colorado River Basin Project, the Seedskaadee Project, the Dolores Project and the Fort Peck Project are financed from power revenues.

Western operates and maintains approximately 4,000 miles of transmission lines, substations, switchyards, communications and control equipment associated with this Fund. The personnel compensation and related expenses for all these activities are quantified under Program Direction. Wholesale power is provided to utilities over interconnected high-voltage transmission systems. In keeping with statutory requirements, long-term power contracts provide for periodic rate adjustments to ensure that the Federal Government recovers all costs of operation and all capital invested in power, with interest.

Colorado River Storage Project.—Western markets power and operates and maintains the power transmission facilities of the Colorado River Storage Project. Western also purchases electricity and pays wheeling fees to meet firm and nonfirm commitments.

Colorado River Basin Project.—The Colorado River Basin Project includes Western's expenses associated with the Central Arizona Project and the United States entitlement from the Navajo coal-fired powerplant. Revenues in excess of operating expenses are transferred to the Lower Colorado River Basin Development Fund.

Fort Peck Project.—Revenue collected by Western is used to defray operation and maintenance and power marketing expenses associated with the power generation and transmission facilities of the Fort Peck Project, Corps of Engineers—Civil, to defray emergency expenses, and to ensure continuous operation. The Corps operates and maintains the power generating facilities, and Western operates and maintains the transmission system and performs power marketing functions.

Seedskaadee Project.—Activity under the Seedskaadee Project at Fontenelle Dam in Wyoming was previously included in the Colorado River Storage Project. In 1994, separate reporting was initiated to comply with power repayment requirements.

Dolores Project.—Activity under the Dolores Project at McPhee Dam in southwestern Colorado was previously included in the Colorado River Storage Project. The facilities were transferred from the Bureau of Reclamation to Western late in 1994. Separate reporting was initiated in 1994 to comply with power repayment requirements.

Based on Administration policy, Western Area Power Administration will set rates, consistent with current law, to recover the full cost of the Civil Service Retirement System and Post-Retirement Health Benefits, for its employees, that

have not been recovered in the past. The estimated increase in receipts to the Treasury is \$1 million annually.

Balance Sheet (in millions of dollars)

| Identification code 89-4452-0-3-271 | 1996 actual | 1997 actual | 1998 est. | 1999 est. | |
|-------------------------------------|---|-------------|-----------|-----------|-----|
| ASSETS: | | | | | |
| Federal assets: | | | | | |
| 1101 | Fund balances with Treasury | 32 | 42 | 42 | 42 |
| Investments in US securities: | | | | | |
| 1106 | Receivables, net | 1 | 1 | 1 | 1 |
| 1206 | Non-Federal assets: Receivables, net | 27 | 23 | 23 | 23 |
| Other Federal assets: | | | | | |
| 1802 | Inventories and related properties | 3 | 3 | 3 | 3 |
| 1803 | Property, plant and equipment, net | 181 | 176 | 176 | 176 |
| 1901 | Other assets | 1 | 1 | 1 | 1 |
| 1999 | Total assets | 245 | 246 | 246 | 246 |
| LIABILITIES: | | | | | |
| Federal liabilities: | | | | | |
| 2101 | Accounts payable | 2 | 2 | 2 | 2 |
| 2105 | Other | 1 | 1 | 1 | 1 |
| Non-Federal liabilities: | | | | | |
| 2201 | Accounts payable | 2 | 2 | 2 | 2 |
| 2207 | Other | 2 | 1 | 1 | 1 |
| 2999 | Total liabilities | 6 | 6 | 6 | 6 |
| NET POSITION: | | | | | |
| 3300 | Cumulative results of operations | -24 | -30 | -30 | -30 |
| 3600 | Other | 263 | 270 | 270 | 270 |
| 3999 | Total net position | 239 | 240 | 240 | 240 |
| 4999 | Total liabilities and net position | 245 | 246 | 246 | 246 |

Object Classification (in millions of dollars)

| Identification code 89-4452-0-3-271 | 1997 actual | 1998 est. | 1999 est. | |
|-------------------------------------|--|-----------|-----------|-----|
| Personnel compensation: | | | | |
| 11.1 | Full-time permanent | 10 | 10 | 10 |
| 11.5 | Other personnel compensation | 1 | 1 | 1 |
| 11.9 | Total personnel compensation | 11 | 11 | 11 |
| 12.1 | Civilian personnel benefits | 2 | 2 | 2 |
| 21.0 | Travel and transportation of persons | 1 | 1 | 1 |
| 23.1 | Rental payments to GSA | 1 | 1 | 1 |
| 23.3 | Communications, utilities, and miscellaneous charges | 1 | 1 | 1 |
| 25.2 | Other services | 30 | 63 | 41 |
| 25.3 | Purchases of goods and services from Government | | | |
| | accounts | 3 | 3 | |
| 26.0 | Supplies and materials | 2 | 2 | 2 |
| 31.0 | Equipment | 1 | 4 | 5 |
| 32.0 | Land and structures | 5 | 5 | 6 |
| 43.0 | Interest and dividends | 38 | 32 | 31 |
| 99.9 | Total obligations | 95 | 125 | 101 |

Personnel Summary

| Identification code 89-4452-0-3-271 | 1997 actual | 1998 est. | 1999 est. | |
|-------------------------------------|---|-----------|-----------|-----|
| 2001 | Total compensable workyears: Full-time equivalent | | | |
| | employment | 152 | 161 | 161 |

DEPARTMENTAL ADMINISTRATION

DEPARTMENTAL ADMINISTRATION

For salaries and expenses of the Department of Energy necessary for departmental administration in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the hire of passenger motor vehicles and official reception and representation expenses (not to exceed \$35,000), **[\$218,747,000]** \$245,788,000, to remain available until expended: *Provided*, That moneys received by the Department for miscellaneous revenues [estimated to total \$131,330,000] in fiscal year [1998] 1999 may be retained and [used] shall become available on October 1, 1999, to remain available until expended for operating expenses within this account, [and may remain available until expended,] as authorized by section 201 of Public Law 95-238, notwithstanding the provisions of 31 U.S.C. 3302: *Provided further*, That the sum herein appropriated shall be reduced by the amount of miscellaneous revenues

DEPARTMENTAL ADMINISTRATION—Continued

received during fiscal year 1998 so as to result in a final fiscal year 1998 appropriation from the General Fund estimated at not more than \$87,417,000]. (*Energy and Water Development Appropriations Act, 1998.*)

Unavailable Collections (in millions of dollars)

| Identification code 89-0228-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Balance, start of year: | | | |
| 01.99 Balance, start of year | | | |
| 03.00 Offsetting collections | | | 137 |
| 07.99 Total balance, end of year | | | 137 |

Program and Financing (in millions of dollars)

| Identification code 89-0228-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 00.01 Office of Policy | 18 | 19 | 19 |
| 00.04 Chief Financial Officer | 21 | 22 | 22 |
| 00.08 Congressional and Intergovernmental Affairs | 8 | 8 | 5 |
| 00.11 General Counsel | 19 | 20 | 21 |
| 00.12 Office of the Secretary | 2 | 5 | 4 |
| 00.13 Board of Contract Appeals | 1 | 1 | 1 |
| 00.18 Cost of work for others | 27 | 35 | 44 |
| 00.20 Human Resources and Administration | 109 | 106 | 111 |
| 00.21 Field management | 7 | 8 | 8 |
| 00.22 Economic impact and diversity | 5 | 7 | 7 |
| 00.23 Office of Public Affairs | | | 4 |
| 10.00 Total obligations | 217 | 231 | 246 |

Budgetary resources available for obligation:

| | | | |
|---|------|------|------|
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 13 | 13 | |
| 22.00 New budget authority (gross) | 215 | 218 | 246 |
| 22.10 Resources available from recoveries of prior year obligations | 2 | | |
| 23.90 Total budgetary resources available for obligation | 230 | 231 | 246 |
| 23.95 New obligations | -217 | -231 | -246 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 13 | | |

New budget authority (gross), detail:

| | | | |
|--|-----|-----|------|
| Current: | | | |
| 40.00 Appropriation | 130 | 87 | 246 |
| Permanent: | | | |
| Spending authority from offsetting collections: | | | |
| 68.00 Offsetting collections (cash) | 85 | 131 | 137 |
| 68.45 Portion not available for obligation (limitation on obligations) | | | -137 |
| 68.90 Spending authority from offsetting collections (total) | 85 | 131 | |
| 70.00 Total new budget authority (gross) | 215 | 218 | 246 |

Change in unpaid obligations:

| | | | |
|---|------|------|------|
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 88 | 52 | 65 |
| 73.10 New obligations | 217 | 231 | 246 |
| 73.20 Total outlays (gross) | -234 | -218 | -241 |
| 73.31 Obligated balance transferred to other accounts | -18 | | |
| 73.45 Adjustments in unexpired accounts | -2 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 52 | 65 | 70 |

Outlays (gross), detail:

| | | | |
|--|-----|-----|-----|
| 86.90 Outlays from new current authority | 74 | 72 | 203 |
| 86.93 Outlays from current balances | 75 | 38 | 15 |
| 86.97 Outlays from new permanent authority | 85 | 108 | |
| 86.98 Outlays from permanent balances | | | 23 |
| 87.00 Total outlays (gross) | 234 | 218 | 241 |

Offsets:

| | | | |
|---|-----|-----|-----|
| Against gross budget authority and outlays: | | | |
| Offsetting collections (cash) from: | | | |
| 88.00 Federal sources | -56 | -95 | -90 |
| 88.40 Non-Federal sources | -29 | -36 | -47 |

| | | | | |
|--|--|-----|------|------|
| 88.90 | Total, offsetting collections (cash) | -85 | -131 | -137 |
| Net budget authority and outlays: | | | | |
| 89.00 | Budget authority | 130 | 87 | 109 |
| 90.00 | Outlays | 149 | 87 | 104 |

Departmental Administration.—This account funds a wide array of policy development and analysis activities, institutional and public liaison functions, and other program support requirements necessary to ensure effective operation and management. Specific activities provided for are:

Office of Policy and International Affairs.—This organization is the principal adviser to the Secretary for formulating and recommending national energy policy, for conducting environmental and economic impact analyses, for Departmental planning strategies and outyear program funding requirements, for conducting integrated policy analysis, for conducting a systemic evaluation of DOE programs to ensure that each contributes the maximum toward national energy goals and objectives, for managing the performance management program, for the formulation of international energy policy, analyses and assessments of the current world energy situation, and for international cooperation in energy matters, for promoting energy security, and for advocating international trade investment opportunities for U.S. energy companies.

Human Resources and Administration.—This office provides institutional support services and performs and supplies administration services to headquarters organizations and to the Department as a whole. Areas of responsibility include: organization and management systems; personnel management; automated data processing management and acquisition; telecommunications management; procurement; and assistance management and oversight.

Administrative services related to rent and building operations, printing and graphics, copying, postage, supplies, telephones, Automated Office Support Services charges, payroll processing and contract closeouts, will be performed in the Department's Intragovernmental Working Capital Fund (WCF). Funding for the WCF will be justified in the program's budgets and requested in affected appropriations.

Chief Financial Officer.—This office provides centralized direction and oversight of financial activities including Departmental budgeting, accounting, financial policy, compliance, and financial management. This office also provides oversight at the Department of government-wide efforts to improve financial management as mandated by recent legislation, for example, Government Performance and Results Act and Government Management Reform Act, through such means as the audited financial statements.

Congressional and Intergovernmental Affairs.—This office is responsible for coordinating, directing, and promoting the Secretary's, Department's, and Administration's policies, legislative initiatives and budget requests with the Congress, State, territorial, Tribal and local government officials, and other Federal agencies. The office is also responsible for managing and overseeing the Department's liaison with Members of Congress, the White House and other levels of government and stakeholders which includes consumer liaison and public interest groups.

Office of Public Affairs.—This office is responsible for directing and managing the Secretary's, Department's, and Administration's policies and initiatives with the public, news media and other stakeholders on energy issues. The office also serves as the chief spokesperson in addition to managing and overseeing all public affairs efforts, which includes public information, press and media services, the Departmental newsletter *DOE This Month*, speech writing, special projects, editorial services, and publication of special information materials to include review of proposed publications and audiovisuals.

Field Management.—This office is responsible for the managerial oversight of the Department's eight Operations Offices

and two Field Offices. The office serves as the corporate integrator for strengthening stewardship of the Department's facilities, infrastructure, and major projects establishing consistent approaches and practical business management solutions that cut across the Department's programs and operations. The office provides specialized technical support to the Department in the following areas: project management, independent project costs assessments, utility intervention and negotiation, and real estate planning, maintenance, and disposal. In addition, Field Management is responsible for the program direction budget which supports the four Multi-Purpose Operations Offices; Chicago, Idaho, Oak Ridge and Oakland.

General Counsel.—This office is responsible for providing legal services to all energy activities except for those functions belonging exclusively to the Federal Energy Regulatory Commission, which is served by its own General Counsel. Its responsibilities entail the provision of legal opinion, advice and services to administrative and program offices, and the conduct of both administrative and judicial litigation, as well as legal advice and support for enforcement activities. Further, the General Counsel appears before State and Federal agencies in defense of national energy policies and activities. The office is responsible for the coordination and clearance of proposed legislation affecting energy activities and testimony before Congress. The General Counsel is also responsible for ensuring consistency and legal sufficiency of all energy regulations; administering and monitoring standards of conduct requirements; and conducting the Patents program.

Office of the Secretary.—Directs and supervises the staff and provides policy guidance to line and staff organizations in the accomplishment of agency objectives.

Board of Contract Appeals.—Adjudicates disputes arising out of the Department's contracts and financial assistance programs and provides for neutral services and facilities alternative dispute resolution.

Economic Impact and Diversity.—This office is responsible for: advising the Secretary on the effects of the Department's policies, regulations and actions on minorities and minority business enterprises; conducting research to determine energy consumption and use patterns of minorities; and providing technical assistance to minority educational institutions and minority business enterprises to enable them to participate more fully in Departmental activities. The office is also responsible for initiatives on historically black colleges and universities for the Department; administering a Departmental small and disadvantaged business program; serves as the Department's enforcer to ensure that the civil rights of employees are protected and complaints are processed within applicable regulatory timeframes; implements the Department's environmental justice strategy; and responsible for the Office of Employee Concerns which manages the whistle blower reform initiative.

Cost of Work for Others.—This activity covers the cost of work performed under orders placed with the Department by non-DOE entities which are precluded by law from making advance payments and certain revenue programs. Reimbursement for these costs is made through deposits of offsetting collections to this account.

Corporate Management Information System.—A FY 1998 initiative supporting National Performance Review objectives and the requirements of this Department's Strategic Alignment Initiative by maximizing our investment in streamlined information and financial systems through the cooperative development of an automated, technology-based systems approach. Funding in the amount of \$8.0 million is provided for a Corporate Human Resources Information System to support activities such as: position management, processing personnel actions, and applicant/employee tracking of awards and benefits through a user-friendly, automated information

technology system. In addition, some funds will be used to update and replace a number of independent, antiquated financial systems with compatible, user-friendly business systems that will provide real-time management and financial data on a DOE complex-wide basis. Finally, some funds will support activities for a Department-wide information technology and system planning effort that is needed to conform with the principles of the new Information Technology Management Reform Act.

Object Classification (in millions of dollars)

| Identification code 89-0228-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 87 | 86 | 88 |
| 11.3 Other than full-time permanent | 5 | 4 | 4 |
| 11.5 Other personnel compensation | 2 | 2 | 2 |
| 11.9 Total personnel compensation | 94 | 92 | 94 |
| 12.1 Civilian personnel benefits | 16 | 16 | 16 |
| 13.0 Benefits for former personnel | 3 | 3 | 3 |
| 21.0 Travel and transportation of persons | 2 | 3 | 3 |
| 23.3 Communications, utilities, and miscellaneous charges | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 8 | 8 | 9 |
| 25.2 Other services | 24 | 25 | 27 |
| 25.3 Purchases of goods and services from Government accounts | 63 | 77 | 87 |
| 25.6 Medical care | 2 | 2 | 2 |
| 26.0 Supplies and materials | 3 | 3 | 3 |
| 31.0 Equipment | 1 | 1 | 1 |
| 99.9 Total obligations | 217 | 231 | 246 |

Personnel Summary

| Identification code 89-0228-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 1,361 | 1,303 | 1,304 |

OFFICE OF THE INSPECTOR GENERAL

For necessary expenses of the Office of the Inspector General in carrying out the provisions of the Inspector General Act of 1978, as amended, [**\$27,500,000**] *\$29,500,000*, to remain available until expended. (*Energy and Water Development Appropriations Act, 1998.*)

Program and Financing (in millions of dollars)

| Identification code 89-0236-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 10.00 Total obligations | 29 | 28 | 30 |
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: Uninvested | 5 | | |
| 22.00 New budget authority (gross) | 24 | 28 | 30 |
| 23.90 Total budgetary resources available for obligation | 29 | 28 | 30 |
| 23.95 New obligations | -29 | -28 | -30 |
| New budget authority (gross), detail: | | | |
| 40.00 Appropriation | 24 | 28 | 30 |
| Change in unpaid obligations: | | | |
| 72.40 Unpaid obligations, start of year: Obligated balance: Uninvested | 4 | 4 | 5 |
| 73.10 New obligations | 29 | 28 | 30 |
| 73.20 Total outlays (gross) | -29 | -27 | -30 |
| 74.40 Unpaid obligations, end of year: Obligated balance: Uninvested | 4 | 5 | 5 |
| Outlays (gross), detail: | | | |
| 86.90 Outlays from new current authority | 22 | 24 | 26 |
| 86.93 Outlays from current balances | 7 | 3 | 4 |
| 87.00 Total outlays (gross) | 29 | 27 | 30 |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | 24 | 28 | 30 |

OFFICE OF THE INSPECTOR GENERAL—Continued

Program and Financing (in millions of dollars)—Continued

| Identification code 89-0236-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|-------------------------------------|-------------|-----------|-----------|
| 90.00 Outlays | 29 | 27 | 30 |

This appropriation provides agencywide audit, inspection, and investigative functions to identify and correct management and administrative deficiencies which create conditions for existing or potential instances of fraud, waste, and mismanagement. The audit function provides financial and performance audits of programs and operations. Financial audits include financial statement and financial related audits. Performance audits include economy and efficiency and program results audits. The inspections function provides independent inspections and analyses of the effectiveness, efficiency, and economy of programs and operations and conducts inquiries to resolve contractor-employee whistleblower complaints of reprisal. The investigative function provides for the detection and investigation of improper and illegal activities involving programs, personnel, and operations.

Object Classification (in millions of dollars)

| Identification code 89-0236-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Personnel compensation: | | | |
| 11.1 Full-time permanent | 18 | 17 | 18 |
| 11.5 Other personnel compensation | 1 | | |
| 11.9 Total personnel compensation | 19 | 17 | 18 |
| 12.1 Civilian personnel benefits | 5 | 5 | 5 |
| 21.0 Travel and transportation of persons | 1 | 1 | 1 |
| 23.1 Rental payments to GSA | 1 | 1 | 1 |
| 25.1 Advisory and assistance services | 1 | 1 | 2 |
| 25.2 Other services | 2 | 2 | 2 |
| 99.0 Subtotal, direct obligations | 29 | 27 | 29 |
| 99.5 Below reporting threshold | | 1 | 1 |
| 99.9 Total obligations | 29 | 28 | 30 |

Personnel Summary

| Identification code 89-0236-0-1-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 1001 Total compensable workyears: Full-time equivalent employment | 291 | 273 | 266 |

SPECIAL FOREIGN CURRENCY PROGRAM

Program and Financing (in millions of dollars)

| Identification code 89-0205-0-1-271 | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Budgetary resources available for obligation: | | | |
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 1 | | |
| Net budget authority and outlays: | | | |
| 89.00 Budget authority | | | |
| 90.00 Outlays | | | |

WORKING CAPITAL FUND

Program and Financing (in millions of dollars)

| Identification code 89-4563-0-4-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| Obligations by program activity: | | | |
| 09.00 Reimbursable program | 89 | 80 | 81 |
| 10.00 Total obligations | 89 | 80 | 81 |

Budgetary resources available for obligation:

| | | | |
|--|-----|-----|-----|
| 21.40 Unobligated balance available, start of year: | | | |
| Uninvested | 3 | | |
| 22.00 New budget authority (gross) | 92 | 77 | 81 |
| 23.90 Total budgetary resources available for obligation | 92 | 80 | 81 |
| 23.95 New obligations | -89 | -80 | -81 |
| 24.40 Unobligated balance available, end of year: | | | |
| Uninvested | 3 | | |

New budget authority (gross), detail:

| | | | |
|---|----|----|----|
| 68.00 Spending authority from offsetting collections (gross): | | | |
| Offsetting collections (cash) | 92 | 77 | 81 |

Change in unpaid obligations:

| | | | |
|---|-----|-----|-----|
| 72.40 Unpaid obligations, start of year: Obligated balance: | | | |
| Uninvested | 19 | | 19 |
| 73.10 New obligations | 89 | 80 | 81 |
| 73.20 Total outlays (gross) | -71 | -80 | -81 |
| 73.32 Obligated balance transferred from other accounts | 1 | | |
| 74.40 Unpaid obligations, end of year: Obligated balance: | | | |
| Uninvested | 19 | 19 | 19 |

Outlays (gross), detail:

| | | | |
|--|----|----|----|
| 86.97 Outlays from new permanent authority | 71 | 74 | 78 |
| 86.98 Outlays from permanent balances | | 6 | 3 |
| 87.00 Total outlays (gross) | 71 | 80 | 81 |

Offsets:

| | | | |
|---|-----|-----|-----|
| Against gross budget authority and outlays: | | | |
| 88.45 Offsetting collections (cash) from: Offsetting governmental collections | -92 | -77 | -81 |

Net budget authority and outlays:

| | | | |
|------------------------------|-----|---|--|
| 89.00 Budget authority | | | |
| 90.00 Outlays | -21 | 3 | |

Statement of Operations (in millions of dollars)

| Identification code 89-4563-0-4-276 | 1996 actual | 1997 actual | 1998 est. | 1999 est. |
|-------------------------------------|-------------|-------------|-----------|-----------|
| 0101 Revenue | 92 | 77 | 81 | |
| 0102 Expense | -89 | -80 | -81 | |
| 0109 Net income or loss (-) | 3 | -3 | | |

Balance Sheet (in millions of dollars)

| Identification code 89-4563-0-4-276 | 1996 actual | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-------------|-----------|-----------|
| ASSETS: | | | | |
| 1101 Federal assets: Fund balances with Treasury | | 22 | 19 | 19 |
| 1802 Other Federal assets: Inventories and related properties | | 2 | 2 | 2 |
| 1999 Total assets | | 24 | 21 | 21 |
| LIABILITIES: | | | | |
| Federal liabilities: | | | | |
| 2101 Accounts payable | | 19 | 19 | 19 |
| 2105 Other | | 3 | | |
| 2999 Total liabilities | | 22 | 19 | 19 |
| NET POSITION: | | | | |
| 3600 Fund Equity | | 2 | 2 | 2 |
| 3999 Total net position | | 2 | 2 | 2 |
| 4999 Total liabilities and net position | | 24 | 21 | 21 |

The Department's working capital fund, established in FY 1997, provides common administrative services such as building space, information and telecommunications services, supplies, printing, and copying. Establishment of the working capital fund has helped the Department reduce waste and improve efficiency, since funding for the goods and services is requested by the program office consumers who purchase what they need through the working capital fund. In FY 1998 contract audit services were removed from the fund while payroll processing was added.

Object Classification (in millions of dollars)

| Identification code 89-4563-0-4-276 | 1997 actual | 1998 est. | 1999 est. |
|---|-------------|-----------|-----------|
| 23.1 Rental payments to GSA | 41 | 41 | 41 |
| 23.3 Communications, utilities, and miscellaneous charges | 12 | 12 | 12 |
| 24.0 Printing and reproduction | 6 | 6 | 6 |
| 25.1 Advisory and assistance services | 12 | 2 | 2 |
| 25.2 Other services | 13 | 14 | 15 |
| 25.4 Operation and maintenance of facilities | 1 | 1 | 1 |
| 25.7 Operation and maintenance of equipment | 2 | 1 | 1 |
| 26.0 Supplies and materials | 2 | 3 | 3 |
| 99.9 Total obligations | 89 | 80 | 81 |

GENERAL FUND RECEIPT ACCOUNTS

(in millions of dollars)

| | 1997 actual | 1998 est. | 1999 est. |
|--|-------------|-----------|-----------|
| Offsetting receipts from the public: | | | |
| 89-089400 Fees and Recoveries, Federal Energy Regulatory Commissions, Energy | 46 | 21 | 7 |
| 89-223000 Oil and gas sale proceeds at NPRs. | 516 | 175 | 728 |
| 89-223100 Privatization of Elk Hills | | 2,415 | |
| 89-223200 Proceeds from sale of excess DOE assets | 26 | 15 | 15 |
| 89-223300 Proceeds from uranium sales | 40 | 43 | 36 |
| 89-224200 Sale and transmission of electric energy, Alaska | 9 | 6 | |
| 89-224500 Sale and transmission of electric energy, Falcon Dam | 3 | 3 | 3 |
| 89-224700 Sale and transmission of electric energy, Southwestern Power Administration | 102 | 95 | 93 |
| 89-224800 Sale and transmission of electric energy, Southeastern Power Administration | 154 | 145 | 170 |
| 89-224900 Sale of power and other utilities, not otherwise classified | 93 | 43 | 43 |
| 89-264700 Proceeds from the sale of Power Marketing Administrations: APA, SEPA, SWPA, WAPA | | 85 | |
| 89-288900 Repayments on miscellaneous recoverable costs, not otherwise classified | 64 | 47 | 12 |
| General Fund Offsetting receipts from the public | 1,053 | 3,093 | 1,107 |

GENERAL PROVISIONS

[PRIORITY PLACEMENT, JOB PLACEMENT, RETRAINING, AND COUNSELING PROGRAMS FOR UNITED STATES DEPARTMENT OF ENERGY EMPLOYEES AFFECTED BY A REDUCTION IN FORCE]

[SEC. 301. (a) None of the funds appropriated by this Act or any prior appropriations Act may be used to award a management and operating contract unless such contract is awarded using competitive procedures or the Secretary of Energy grants, on a case-by-case basis, a waiver to allow for such a deviation. The Secretary may not delegate the authority to grant such a waiver.

(b) At least 60 days before a contract award, amendment, or modification for which the Secretary intends to grant such a waiver, the Secretary shall submit to the Subcommittees on Energy and Water Development of the Committees on Appropriations of the House of Representatives and the Senate a report notifying the subcommittees of the waiver and setting forth the reasons for the waiver.]

[SEC. 302. (a) None of the funds appropriated by this Act or any prior appropriations Act may be used to award, amend, or modify a contract in a manner that deviates from the Federal Acquisition Regulation, unless the Secretary of Energy grants, on a case-by-case basis, a waiver to allow for such a deviation. The Secretary may not delegate the authority to grant such a waiver.

(b) At least 60 days before a contract award, amendment, or modification for which the Secretary intends to grant such a waiver, the Secretary shall submit to the Subcommittees on Energy and Water Development of the Committees on Appropriations of the House of Representatives and the Senate a report notifying the subcommittees of the waiver and setting forth the reasons for the waiver.]

SEC. [303] 301. None of the funds appropriated by this Act or any prior appropriations Act may be used to—

(1) develop or implement a workforce restructuring plan that covers employees of the Department of Energy; or

(2) provide enhanced severance payments or other benefits for employees of the Department of Energy; under section 3161 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102-484; 106 Stat. 2644; 42 U.S.C. 7274h).

[SEC. 304. None of the funds appropriated by this Act or any prior appropriations Act may be used to augment the \$61,159,000 made available for obligation by this Act for severance payments and other benefits and community assistance grants under section 3161 of the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102-484; 106 Stat. 2644; 42 U.S.C. 7274h).]

[SEC. 305. None of the funds appropriated by this Act or any prior appropriations Act may be used to prepare or initiate Requests For Proposals (RFPs) for a program if the program has not been funded by Congress.]

[(TRANSFERS OF UNEXPENDED BALANCES)]

[SEC. 306. The unexpended balances of prior appropriations provided for activities in this Act may be transferred to appropriation accounts for such activities established pursuant to this title. Balances so transferred may be merged with funds in the applicable established accounts and thereafter may be accounted for as one fund for the same time period as originally enacted.]

TITLE V—GENERAL PROVISIONS

SEC. 501. None of the funds appropriated by this Act may be used in any way, directly or indirectly, to influence congressional action on any legislation or appropriation matters pending before Congress, other than to communicate to Members of Congress as described in section 1913 of title 18, United States Code.

SEC. 502. (a) Purchase of American-Made Equipment and Products.—It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available in this Act should be American-made.

(b) Notice Requirement.—In providing financial assistance to, or entering into any contract with, any entity using funds made available in this Act, the head of each Federal agency, to the greatest extent practicable, shall provide to such entity a notice describing the statement made in subsection (a) by the Congress.

(c) Prohibition of Contracts With Persons Falsely Labeling Products as Made in America.—If it has been finally determined by a court or Federal agency that any person intentionally affixed a label bearing a “Made in America” inscription, or any inscription with the same meaning, to any product sold in or shipped to the United States that is not made in the United States, the person shall be ineligible to receive any contract or subcontract made with funds made available in this Act, pursuant to the debarment, suspension, and ineligibility procedures described in sections 9.400 through 9.409 of title 48, Code of Federal Regulations.

SEC. 503. None of the funds made available in this Act may be provided by contract or by grant (including a grant of funds to be available for student aid) to any institution of higher education, or subelement thereof, that is currently ineligible for contracts and grants pursuant to section 514 of the Departments of Labor, Health and Human Services, and Education, and Related Agencies Appropriations Act, 1997 (as contained in section 101(e) of division A of Public Law 104-208; 110 Stat. 3009-270).

SEC. 504. None of the funds made available in this Act may be obligated or expended to enter into or renew a contract with a contractor that is subject to the reporting requirement set forth in subsection (d) of section 4212 of title 38, United States Code, but has not submitted the most recent report required by such subsection.

[SEC. 505. None of the funds made available in this Act to pay the salary of any officer or employee of the Department of the Interior may be used for the Animas-La Plata Project, in Colorado and New Mexico, except for: (1) activities required to comply with the applicable provisions of current law; and (2) continuation of activities pursuant to the Colorado Ute Indian Water Rights Settlement Act of 1988 (Public Law 100-585).]

[SEC. 506. Section 1621 of title XVI of the Reclamation Wastewater and Groundwater Act, Public Law 104-266, is amended by—

(1) striking “study” in the section title and in subsection (a), and inserting “project” into the title and in subsection (a);

(2) inserting in subsection (a) “planning, design, and construction of the” following “to participate in the”; and

(3) inserting in subsection (a) “and nonpotable surface water” following “impaired ground water”.]

【SEC. 507. Section 1208(a)(2) of the Yavapai-Prescott Indian Treaty Settlement Act of 1994 (Public Law 103-434) is amended by striking “\$4,000,000 for construction” and inserting “\$13,000,000, at 1997 prices, for construction plus or minus such amounts as may be justified by reason of ordinary fluctuations of applicable cost indexes”.]

【SEC. 508. (a) The State of West Virginia shall receive credit towards its required contribution under Contract No. DACW59-C-0071 for the cost of recreational facilities to be constructed by a joint venture of the State in cooperation with private interests for recreation development at Stonewall Jackson Lake, West Virginia, except that the State shall receive no credit for costs associated with golf course development and the amount of the credit may not exceed the amount owed by the State under the Contract.

(b) The Corps of Engineers shall revise both the 1977 recreation cost-sharing agreement and the Park and Recreation Lease dated October 2, 1995 to remove the requirement that such recreation facilities are to be owned by the Government at the time of their completion as contained in Article 2-06 of the cost-sharing agreement and Article 36 of the lease.

(c) Nothing in this section shall reduce the amount of funds owed the United States Government pursuant to the 1977 recreation cost-sharing agreement.】

【SEC. 509. Amounts to be transferred to the Department of Energy by the United States Enrichment Corporation (USEC) pursuant to this section shall be retained and used for the specific purpose of development and demonstration of AVLIS technology for uranium enrichment: *Provided*, That, notwithstanding section 1605 of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2297e-4), USEC shall transfer to the Department such sums as are necessary in fiscal year 1998 for AVLIS demonstration and development activities to be derived only from one or more of the following sources: savings from adjustments in the level of inventories; savings from reductions in capital and operating costs; savings from reductions in power costs including savings from increased use of off-peak power; or savings from adjustments in the amount of purchases: *Provided further*, That the savings from such reductions and adjustments in the amounts paid by USEC in fiscal year 1998 shall be sufficient to fund the aforementioned AVLIS demonstration and development activities such that the net spending authority and resulting outlays for these activities shall not exceed \$0 in fiscal year 1998 and thereafter: *Provided further*, That, prior to transferring funds to the Department for AVLIS activities pursuant to this section, the Chief Financial Officer of USEC shall submit to the Committees on Appropriations of the House of Representatives and Senate an itemized listing of the amounts of the reductions made pursuant to this section to fund the proposed transfer: *Provided further*, That, by November 1, 1998, the Chief Financial Officer of USEC shall submit to the Committees on Appropriations of the House of Representatives and Senate an itemized listing of the amounts of the reductions made pursuant

to this section for fiscal year 1998: *Provided further*, That the provisions in this section related to the transfer to and use by the Department of funds for AVLIS demonstration and development activities shall expire as of the privatization date for USEC, as defined in section 3102 of the USEC Privatization Act (42 U.S.C. 2297h), and the total amount obligated by the Department pursuant to this section for AVLIS demonstration and development activities shall not exceed \$60,000,000.】

SEC. 【510】 505. (a) None of the funds appropriated or otherwise made available by this Act may be used to determine the final point of discharge for the interceptor drain for the San Luis Unit until development by the Secretary of the Interior and the State of California of a plan, which shall conform to the water quality standards of the State of California as approved by the Administrator of the Environmental Protection Agency, to minimize any detrimental effect of the San Luis drainage waters.

(b) The costs of the Kesterson Reservoir Cleanup Program and the costs of the San Joaquin Valley Drainage Program shall be classified by the Secretary of the Interior as reimbursable or nonreimbursable and collected until fully repaid pursuant to the “Cleanup Program—Alternative Repayment Plan” and the “SJVDP—Alternative Repayment Plan” described in the report entitled “Repayment Report, Kesterson Reservoir Cleanup Program and San Joaquin Valley Drainage Program, February 1995”, prepared by the Department of the Interior, Bureau of Reclamation. Any future obligations of funds by the United States relating to, or providing for, drainage service or drainage studies for the San Luis Unit shall be fully reimbursable by San Luis Unit beneficiaries of such service or studies pursuant to Federal Reclamation law.

【SEC. 511. Maintenance of Security at the Gaseous Diffusion Plants.—Section 3107 of the USEC Privatization Act (42 U.S.C. 2297h-5) is amended by adding at the end the following:

“(h) Maintenance of Security.—

“(1) In general.—With respect to the Paducah Gaseous Diffusion Plant, Kentucky, and the Portsmouth Gaseous Diffusion Plant, Ohio, the guidelines relating to the authority of the Department of Energy’s contractors (including any Federal agency, or private entity operating a gaseous diffusion plant under a contract or lease with the Department of Energy) and any subcontractor (at any tier) to carry firearms and make arrests in providing security at Federal installations, issued under section 161k. of the Atomic Energy Act of 1954 (42 U.S.C. 2201k.) shall require, at a minimum, the presence of an adequate number of security guards carrying sidearms at all times to ensure maintenance of security at the gaseous diffusion plants (whether a gaseous diffusion plant is operated directly by a Federal agency or by a private entity under a contract or lease with a Federal agency).”.]

【SEC. 512. None of the funds made available in this or any other Act may be used to restart the High Flux Beam Reactor.】 (*Energy and Water Development Appropriations Act, 1998.*)