

DEPARTMENT OF ENERGY

NATIONAL NUCLEAR SECURITY ADMINISTRATION

Federal Funds

FEDERAL SALARIES AND EXPENSES

For expenses necessary for Federal Salaries and Expenses in the National Nuclear Security Administration, \$564,475,000, to remain available until September 30, 2026, including official reception and representation expenses not to exceed \$17,000.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0313–0–1–053	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0010 Federal Salaries and Expenses	486	475	564
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	46	36	36
1021 Recoveries of prior year unpaid obligations	1		
1070 Unobligated balance (total)	47	36	36
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	475	475	564
1900 Budget authority (total)	475	475	564
1930 Total budgetary resources available	522	511	600
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	36	36	36
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	62	50	44
3010 New obligations, unexpired accounts	486	475	564
3020 Outlays (gross)	–496	–481	–550
3040 Recoveries of prior year unpaid obligations, unexpired	–1		
3041 Recoveries of prior year unpaid obligations, expired	–1		
3050 Unpaid obligations, end of year	50	44	58
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	62	50	44
3200 Obligated balance, end of year	50	44	58
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	475	475	564
Outlays, gross:			
4010 Outlays from new discretionary authority	396	397	472
4011 Outlays from discretionary balances	100	84	78
4020 Outlays, gross (total)	496	481	550
4180 Budget authority, net (total)	475	475	564
4190 Outlays, net (total)	496	481	550

Federal Salaries and Expenses.—This account provides the Federal salaries and other expenses of the National Nuclear Security Administration (NNSA) mission and mission support staff. The Federal Salaries and Expenses appropriation allows for the creation of a well-managed, inclusive, responsive, and accountable organization through the strategic management of human capital and greater integration of budget and performance data. Program direction for Naval Reactors is within that program's account, and program direction for Secure Transportation Asset is within the Weapons Activities account.

Object Classification (in millions of dollars)

Identification code 089–0313–0–1–053	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	273	271	314
11.3 Other than full-time permanent	4	3	7
11.5 Other personnel compensation	11	10	14
11.9 Total personnel compensation	288	284	335
12.1 Civilian personnel benefits	102	99	112
21.0 Travel and transportation of persons	16	15	18
23.1 Rental payments to GSA	1	1	1
23.3 Communications, utilities, and miscellaneous charges	2	2	5
25.1 Advisory and assistance services	20	21	25

25.2 Other services from non-Federal sources	6	5	8
25.3 Other goods and services from Federal sources	37	35	41
25.4 Operation and maintenance of facilities	13	12	16
26.0 Supplies and materials	1	1	3
99.9 Total new obligations, unexpired accounts	486	475	564

Employment Summary

Identification code 089–0313–0–1–053	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	1,844	1,727	2,060

NAVAL REACTORS

For Department of Energy expenses necessary for naval reactors activities to carry out the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), including the acquisition (by purchase, condemnation, construction, or otherwise) of real property, plant, and capital equipment, facilities, and facility expansion, \$2,118,773,000, to remain available until expended: Provided, That of such amount, \$62,848,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0314–0–1–053	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Naval Reactors (Direct)	1,985	1,999	2,119
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	21	18	
1021 Recoveries of prior year unpaid obligations	1		
1070 Unobligated balance (total)	22	18	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	2,081	2,081	2,119
1120 Appropriations transferred to other acct [089–0319]	–100	–100	
1160 Appropriation, discretionary (total)	1,981	1,981	2,119
1930 Total budgetary resources available	2,003	1,999	2,119
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	18		
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1,551	1,965	2,086
3010 New obligations, unexpired accounts	1,985	1,999	2,119
3020 Outlays (gross)	–1,569	–1,878	–2,040
3040 Recoveries of prior year unpaid obligations, unexpired	–1		
3041 Recoveries of prior year unpaid obligations, expired	–1		
3050 Unpaid obligations, end of year	1,965	2,086	2,165
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1,551	1,965	2,086
3200 Obligated balance, end of year	1,965	2,086	2,165
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	1,981	1,981	2,119
Outlays, gross:			
4010 Outlays from new discretionary authority	719	733	784
4011 Outlays from discretionary balances	850	1,145	1,256
4020 Outlays, gross (total)	1,569	1,878	2,040
4180 Budget authority, net (total)	1,981	1,981	2,119
4190 Outlays, net (total)	1,569	1,878	2,040

Naval Reactors.—This account funds all naval nuclear propulsion work, beginning with reactor technology development and design, continuing through reactor operation and maintenance, and ending with final disposition of naval spent nuclear fuel. These efforts ensure the safe and reliable operation of reactor plants in nuclear-powered submarines and aircraft carriers, enable continued technology development for future generations of nuclear-powered warships, and support recapitalization of laboratory facilities and environmental remediation of legacy respons-

NAVAL REACTORS—Continued

ibilities. Due to the crucial nature of nuclear reactor work, Naval Reactors is a centrally managed organization. Federal employees oversee and set policies/procedures for developing new reactor plants and operating existing nuclear plants and the facilities that support these plants.

Object Classification (in millions of dollars)

Identification code 089-0314-0-1-053	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	33	34	36
11.3 Other than full-time permanent	1	1	2
11.5 Other personnel compensation	2	2	2
11.9 Total personnel compensation	36	37	40
12.1 Civilian personnel benefits	12	13	14
21.0 Travel and transportation of persons	1	1	2
25.1 Advisory and assistance services	4	6	7
25.2 Other services from non-Federal sources	1	1	2
25.3 Other goods and services from Federal sources	3	4	5
25.4 Operation and maintenance of facilities	1,244	1,249	1,355
31.0 Equipment	55	57	60
32.0 Land and structures	629	631	634
99.9 Total new obligations, unexpired accounts	1,985	1,999	2,119

Employment Summary

Identification code 089-0314-0-1-053	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	223	246	246

NATIONAL NUCLEAR SECURITY ADMINISTRATION

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, and the purchase of one electric bus, \$19,848,644,000, to remain available until expended: Provided, That of such amount, \$135,264,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-0240-0-1-053	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Weapons Activities (Direct)	17,349	17,399	19,890
0300 Subtotal, Weapons Activities	17,349	17,399	19,890
0799 Total direct obligations	17,349	17,399	19,890
0810 Weapons Activities (Reimbursable)	2,479	2,159	2,148
0900 Total new obligations, unexpired accounts	19,828	19,558	22,038
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	388	324	41
1021 Recoveries of prior year unpaid obligations	238		
1070 Unobligated balance (total)	626	324	41
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	17,116	17,116	19,849
Spending authority from offsetting collections, discretionary:			
1700 Collected	2,194	2,159	2,148
1701 Change in uncollected payments, Federal sources	216		
1750 Spending auth from offsetting collections, disc (total)	2,410	2,159	2,148
1900 Budget authority (total)	19,526	19,275	21,997
1930 Total budgetary resources available	20,152	19,599	22,038
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	324	41	

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	15,102	15,680	16,225
3010 New obligations, unexpired accounts	19,828	19,558	22,038
3020 Outlays (gross)	-19,006	-19,013	-20,073
3040 Recoveries of prior year unpaid obligations, unexpired	-238		
3041 Recoveries of prior year unpaid obligations, expired	-6		
3050 Unpaid obligations, end of year	15,680	16,225	18,190
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-2,633	-2,825	-2,825
3070 Change in uncollected pymts, Fed sources, unexpired	-216		
3071 Change in uncollected pymts, Fed sources, expired	24		
3090 Uncollected pymts, Fed sources, end of year	-2,825	-2,825	-2,825
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	12,469	12,855	13,400
3200 Obligated balance, end of year	12,855	13,400	15,365

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	19,526	19,275	21,997
Outlays, gross:			
4010 Outlays from new discretionary authority	6,887	8,072	9,244
4011 Outlays from discretionary balances	12,119	10,941	10,829
4020 Outlays, gross (total)	19,006	19,013	20,073
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	-2,045	-2,102	-2,040
4033 Non-Federal sources	-169	-57	-108
4040 Offsets against gross budget authority and outlays (total)	-2,214	-2,159	-2,148
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	-216		
4052 Offsetting collections credited to expired accounts	20		
4060 Additional offsets against budget authority only (total)	-196		
4070 Budget authority, net (discretionary)	17,116	17,116	19,849
4080 Outlays, net (discretionary)	16,792	16,854	17,925
4180 Budget authority, net (total)	17,116	17,116	19,849
4190 Outlays, net (total)	16,792	16,854	17,925

Programs funded in the Weapons Activities appropriation support the Nation's current and future defense posture and the necessary design, assessment, and certification infrastructure and engineering and production capabilities needed nationwide to support the nuclear deterrent without resuming underground nuclear explosive testing. Weapons Activities provides for the maintenance and modernization of nuclear weapons to continue sustained confidence in their safety, reliability, and military effectiveness; investment in scientific, engineering, and manufacturing capabilities for certification of the enduring nuclear weapons stockpile; and manufacture of nuclear weapon components. Weapons Activities also provides for maintenance and investment in the National Nuclear Security Administration (NNSA) nuclear complex infrastructure to be more responsive and resilient, as well as the physical and cybersecurity capabilities which safeguard the enterprise. The major elements of the program include the following:

Stockpile Management.—Extends the lifetime of the Nation's nuclear stockpile while addressing required updates, replacing aging or obsolete components to ensure continued service life, and enhancing security and safety features. This program conducts all approved warhead acquisition programs necessary to extend the expected life of stockpile systems for an additional 20 to 30 years.

Production Modernization.—Modernizes the facilities, infrastructure, and equipment that produce materials and components to meet stockpile requirements and maintain the Nation's nuclear deterrent.

Stockpile Research, Technology, and Engineering.—Provides the knowledge and expertise needed to maintain confidence in the nuclear stockpile without the need for underground nuclear explosive testing. The program provides the data and tools that underpin science-based stockpile decisions, including assessment and certification. Additionally, it enables the development and maturation of component and manufacturing technologies for future insertion into the stockpile all based on Department of Defense warhead needs, schedules, and requirements.

Academic Programs and Community Support.—Enables robust and diverse science, technology, engineering, and mathematics (STEM) research for educational communities through a variety of methods. Investments in consortia and centers of excellence provide collaborative groups to tackle relevant questions through multi-disciplinary approaches, and engage preeminent scientists and researchers in relevant fields. Additionally, NNSA reaffirms the continued need for a Community Capacity Building Program to provide benefits to disadvantaged communities, including Tribal Nations, that are affected by activities at NNSA's sites.

Infrastructure and Operations.—Maintains, operates, and modernizes NNSA's infrastructure in a safe, secure, and cost-effective manner to support program execution while maximizing return on investment and reducing enterprise risk. The program also plans, prioritizes, and constructs facilities and infrastructure to support all NNSA programs, with the exception of programmatic construction projects, which are funded by the capability sponsor.

Defense Nuclear Security.—Provides protection for NNSA personnel, facilities, nuclear weapons, and materials from a full spectrum of threats, ranging from minor security incidents to acts of terrorism, at its national laboratories, production plants, processing facilities, and the Nevada National Security Site.

Secure Transportation Asset.—Provides for the safe, secure transport of the Nation's nuclear weapons, weapon components, and special nuclear material throughout the nuclear security enterprise to meet nuclear security requirements and support broader DOE and NNSA operations. Nuclear weapon life-extension programs, limited-life component exchanges, surveillance, dismantlement, nonproliferation activities, and experimental programs rely on safe, secure, and on-schedule transport.

Information Technology and Cybersecurity.—Provides information technology (IT) and cybersecurity services and solutions for the nuclear security enterprise to accomplish its mission goals and objectives. These services and solutions include commodity IT, unified communications, collaboration tools, mission applications, and cybersecurity oversight and tools.

Object Classification (in millions of dollars)

Identification code 089-0240-0-1-053	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	52	52	52
11.5 Other personnel compensation	11	11	11
11.9 Total personnel compensation	63	63	63
12.1 Civilian personnel benefits	31	31	31
21.0 Travel and transportation of persons	7	7	7
23.1 Rental payments to GSA	55	55	55
23.3 Communications, utilities, and miscellaneous charges	16	16	16
25.1 Advisory and assistance services	387	387	387
25.2 Other services from non-Federal sources	643	743	743
25.3 Other goods and services from Federal sources	24	24	24
25.4 Operation and maintenance of facilities	11,553	11,503	13,994
25.5 Research and development contracts	132	132	132
25.6 Medical care	4	4	4
25.7 Operation and maintenance of equipment	7	7	7
26.0 Supplies and materials	17	17	17
31.0 Equipment	961	961	961
32.0 Land and structures	3,377	3,377	3,377
41.0 Grants, subsidies, and contributions	72	72	72
99.0 Direct obligations	17,349	17,399	19,890
99.0 Reimbursable obligations	2,479	2,159	2,148
99.9 Total new obligations, unexpired accounts	19,828	19,558	22,038

Employment Summary

Identification code 089-0240-0-1-053	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	506	514	511

DEFENSE NUCLEAR NONPROLIFERATION

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other incidental expenses necessary for defense nuclear nonproliferation 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, \$2,465,108,000, to remain available until expended.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-0309-0-1-053	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Defense Nuclear Nonproliferation (Direct)	2,623	2,520	2,502
0002 Ukraine Supplemental	161		
0100 Subtotal, obligations by program activity	2,784	2,520	2,502
0799 Total direct obligations	2,784	2,520	2,502
0801 Global material security	14	11	11
0899 Total reimbursable obligations	14	11	11
0900 Total new obligations, unexpired accounts	2,798	2,531	2,513
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	145	67	37
1021 Recoveries of prior year unpaid obligations	73		

1070 Unobligated balance (total)	218	67	37
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	2,490	2,490	2,465
1100 Appropriation [Ukraine supplemental]	161		
1120 Appropriations transferred to other accts [089-0222]	-15		
1160 Appropriation, discretionary (total)	2,636	2,490	2,465
Spending authority from offsetting collections, discretionary:			
1700 Collected	11	11	11
1900 Budget authority (total)	2,647	2,501	2,476
1930 Total budgetary resources available	2,865	2,568	2,513
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	67	37	

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1,906	2,041	1,970
3010 New obligations, unexpired accounts	2,798	2,531	2,513
3020 Outlays (gross)	-2,590	-2,602	-2,420
3040 Recoveries of prior year unpaid obligations, unexpired	-73		
3050 Unpaid obligations, end of year	2,041	1,970	2,063
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1,906	2,041	1,970
3200 Obligated balance, end of year	2,041	1,970	2,063

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	2,647	2,501	2,476
Outlays, gross:			
4010 Outlays from new discretionary authority	1,183	997	987
4011 Outlays from discretionary balances	1,407	1,605	1,433
4020 Outlays, gross (total)	2,590	2,602	2,420
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4034 Offsetting governmental collections	-11	-11	-11
4040 Offsets against gross budget authority and outlays (total)	-11	-11	-11
4180 Budget authority, net (total)	2,636	2,490	2,465
4190 Outlays, net (total)	2,579	2,591	2,409

The Defense Nuclear Nonproliferation (DNN) and the Nuclear Counterterrorism and Incident Response (NCTIR) programs are central to the U.S. strategy to reduce global nuclear security risks. These two programs provide policy and technical leadership to prevent or limit the spread of materials, technology, and expertise related to weapons of mass destruction (WMD); develop technologies that detect the proliferation of WMD worldwide; secure or eliminate inventories of nuclear weapons-related materials and infrastructure; and ensure rapid, effective responses to nuclear or radiological incidents and accidents domestically and overseas.

The major elements of the appropriation account include the following:

Material Management and Minimization (M³).—M³ programs reduce and, when possible, eliminate weapons-usable nuclear material around the world to achieve permanent threat reduction. This includes minimizing the civilian use of highly enriched uranium (HEU); removing or eliminating nuclear material internationally; and disposing of excess nuclear material in the United States.

Global Material Security (GMS).—GMS directly contributes to national security efforts to reduce global nuclear and radiological security threats and plays a leading role in implementing National Security Memorandum-19 to Counter Weapons of Mass Destruction Terrorism and Advance Nuclear and Radioactive Materials Security. GMS programs prevent terrorists and other actors from obtaining nuclear and radioactive material to use in an improvised nuclear device or a radiological dispersal device, by working domestically and with partner countries to improve the security of vulnerable materials and facilities and to build partners' capacity to detect, disrupt, and investigate illicit trafficking of these materials. GMS works with countries in bilateral partnerships, and with multilateral organizations such as the International Atomic Energy Agency, the Global Partnership against the Spread of Weapons and Materials of Mass Destruction, the World Customs Organization, the United Nations Office on Drugs and Crime (UNODC), and the International Criminal Police Organization.

Nonproliferation and Arms Control (NPAC).—NPAC programs strengthen nonproliferation and arms control regimes through technology and tool development combined with policy innovation and implementation to prevent proliferation, support peaceful nuclear uses, and enable detection, monitoring and verification missions. NPAC builds the capacity of the IAEA and partner countries to implement international safeguards obligations; leads domestic and international programs implementing U.S. export control obligations; supports the negotiation and implementation of agreements and associated monitoring regimes; and develops approaches and strategies to address emerging nonproliferation and arms control challenges and opportunities.

Defense Nuclear Nonproliferation Research and Development (DNN R&D).—DNN R&D drives the innovation of national and multi-lateral technical capabilities to detect nuclear detonations; foreign nuclear weapons activities; and the presence, movement, or diversion of special nuclear materials. The program also sustains and develops foundational nonproliferation technical capabilities that ensure the technical agility needed to support a broad spectrum of U.S. nonproliferation missions and to anticipate future threats. DNN R&D leverages the unique facilities and scientific skills of the Department of Energy, academia, and industry to perform re-

DEFENSE NUCLEAR NONPROLIFERATION—Continued

search, conduct technology demonstrations, develop prototypes, and produce and deliver sensors for integration into operational systems.

Nonproliferation Construction.—The Nonproliferation Construction Program consolidates all construction costs supporting DNN programs. Currently, the Surplus Plutonium Disposition (SPD) Project is the only active line-item project and is supporting the dilute and dispose strategy to fulfill the United States' commitment to dispose of 34 metric tons of surplus U.S. weapon-grade plutonium and remove plutonium from the state of South Carolina.

Nuclear Counterterrorism and Incident Response (NCTIR).—The NCTIR Program applies the unique technical expertise of NNSA's nuclear security enterprise to prepare for, counter, respond to, and recover from nuclear or radiological incidents and accidents worldwide. To that end, NCTIR provides scientific understanding of nuclear threat devices, including potential terrorist and proliferant state nuclear capabilities; influences U.S. and international nuclear threat reduction policies; sustains Nuclear Emergency Support Team (NEST) readiness to respond to nuclear and radiological incidents; maintains technical nuclear forensics tools to attribute the origin of nuclear material found outside of regulatory control or used in a nuclear device; provides emergency preparedness and response training to domestic and international partners; and delivers expert analysis and technical capabilities to support national counterproliferation efforts. NCTIR also provides both the structure and processes to ensure a comprehensive and integrated approach to emergency management and continuity of operations, thereby safeguarding the health and safety of workers and the public, protecting the environment, and enhancing the resilience of the Department and the Nation.

Object Classification (in millions of dollars)

Identification code 089-0309-0-1-053	2023 actual	2024 est.	2025 est.
Direct obligations:			
25.1 Advisory and assistance services	219	218	220
25.2 Other services from non-Federal sources	161	161	161
25.3 Other goods and services from Federal sources	3	3	3
25.4 Operation and maintenance of facilities	2,114	1,850	1,830
25.7 Operation and maintenance of equipment	1	1	1
31.0 Equipment	153	153	153
32.0 Land and structures	109	109	109
41.0 Grants, subsidies, and contributions	25	25	25
99.0 Direct obligations	2,785	2,520	2,502
99.0 Reimbursable obligations	13	11	11
99.9 Total new obligations, unexpired accounts	2,798	2,531	2,513

ENVIRONMENTAL AND OTHER DEFENSE ACTIVITIES

Federal Funds

DEFENSE ENVIRONMENTAL CLEANUP

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 cleanup 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, \$7,059,695,000, to remain available until expended: Provided, That of such amount, \$334,958,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

(INCLUDING TRANSFER OF FUNDS)

For an additional amount for atomic energy defense environmental cleanup activities for Department of Energy contributions for uranium enrichment decontamination and decommissioning activities, \$384,957,000, to be deposited into the Defense Environmental Cleanup account, which shall be transferred to the "Uranium Enrichment Decontamination and Decommissioning Fund".

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-0251-0-1-053	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Closure Sites	5	4	1
0002 Hanford Site	1,005	1,007	984
0003 River Protection - Tank Farm	844	910	907
0004 River Protection - Waste Treatment Plant	653	820	1,094

0006 Idaho	448	458	459
0007 NNSA Sites	384	404	342
0008 Oak Ridge	566	514	554
0009 Savannah River	1,713	1,645	1,556
0010 Waste Isolation Pilot Plant	562	474	425
0011 Program Support	60	82	106
0012 Safeguards & Security	385	332	265
0013 Technology Development & Demonstration	38	30	31
0014 Program Direction	328	330	335
0015 UED&D Fund Contribution	586	586	385
0020 SPRU		15	1
0900 Total new obligations, unexpired accounts	7,577	7,611	7,445

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	924	1,160	1,172
1021 Recoveries of prior year unpaid obligations	204	12	12
1070 Unobligated balance (total)	1,128	1,172	1,184
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	7,611	7,611	7,445
1120 Appropriations transferred to other accts [089-0222]	-2		
1160 Appropriation, discretionary (total)	7,609	7,611	7,445
1930 Total budgetary resources available	8,737	8,783	8,629
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	1,160	1,172	1,184

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	3,381	3,449	2,607
3010 New obligations, unexpired accounts	7,577	7,611	7,445
3020 Outlays (gross)	-7,302	-8,441	-8,023
3040 Recoveries of prior year unpaid obligations, unexpired	-204	-12	-12
3041 Recoveries of prior year unpaid obligations, expired	-3		
3050 Unpaid obligations, end of year	3,449	2,607	2,017
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	3,381	3,449	2,607
3200 Obligated balance, end of year	3,449	2,607	2,017

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	7,609	7,611	7,445
Outlays, gross:			
4010 Outlays from new discretionary authority	4,258	5,504	5,327
4011 Outlays from discretionary balances	3,044	2,937	2,696
4020 Outlays, gross (total)	7,302	8,441	8,023
4180 Budget authority, net (total)	7,609	7,611	7,445
4190 Outlays, net (total)	7,302	8,441	8,023

The Defense Environmental Cleanup program is responsible for protecting human health and the environment by identifying and reducing risks, as well as managing waste and facilities, at sites where the Department carried out defense-related nuclear research and production activities. Those activities resulted in radioactive, hazardous, and mixed-waste contamination requiring remediation, stabilization, decontamination and decommissioning, or some other type of cleanup action. The Budget displays the cleanup program by site and activity.

Closure Sites.—Funds post-closure administration costs after the physical completion of cleanup, including costs for contract closeout and litigation support.

Hanford Site.—Funds cleanup and environmental restoration to protect the Columbia River and surrounding communities. The Hanford site cleanup is managed by two Environmental Management (EM) site offices: the Richland Operations Office and the Office of River Protection.

The Richland Office is responsible for cleanup activities on most of the geographic area making up the Hanford site. The primary cleanup focus is decontamination and decommissioning legacy facilities and characterizing and treating contaminated groundwater.

The Office of River Protection is responsible for the safe storage, retrieval, treatment, immobilization, and disposal of approximately 56 million gallons of radioactive waste stored in 177 underground tanks. It is also responsible for related operation, maintenance, engineering, and construction activities, including those connected to the Waste Treatment and Immobilization Plant being built to solidify the liquid tank waste in a glass form that can be safely stored.

Idaho.—Funds retrieval, treatment, and disposition of nuclear and hazardous wastes and spent nuclear fuel, and legacy site cleanup activities.

NNSA Sites.—Funds the safe and efficient cleanup of the environmental legacy of past operations at National Nuclear Security Administration (NNSA) sites including Nevada National Security Site, Sandia National Laboratories, Lawrence Livermore National Laboratory, Los Alamos National Laboratory, and the Separations Process Research Unit. The cleanup strategy follows a risk-informed approach that focuses first on those soil and groundwater contaminant plumes and sources that are the greatest contributors to risk. The overall goal is first to ensure that risks to the public and workers are controlled, then to clean up soil and groundwater using a risk-informed methodology. NNSA is responsible for long-term stewardship of its sites after physical cleanup is completed. Los Alamos legacy cleanup is managed by the EM Los Alamos field office. Funding is included to support the deactivation and decommissioning (D&D) of

specific high-risk excess facilities by the Environmental Management program for Los Alamos National Laboratories.

Oak Ridge.—Funds defense-related cleanup of the three facilities that make up the Oak Ridge site: the East Tennessee Technology Park, the Oak Ridge National Laboratory, and the Y-12 Plant. The overall cleanup strategy is based on surface water considerations, encompassing five distinct watersheds that feed the adjacent Clinch River.

Savannah River Site.—Funds the safe stabilization, treatment, and disposition of legacy nuclear materials, spent nuclear fuel, and waste at the Savannah River site. Key activities include operating the Defense Waste Processing Facility, which is solidifying the high activity liquid waste contained in underground storage tanks, and operation of the Salt Waste Processing Facility, which separates various tank waste components and treats and disposes the low activity liquid waste stream.

Waste Isolation Pilot Plant.—Funds the world's first permitted deep geologic repository for the permanent disposal of radioactive waste, and the Nation's only disposal site for defense-generated transuranic waste. The Waste Isolation Pilot Plant, managed by the Carlsbad Field Office, is an operating facility, supporting the disposal of transuranic waste from waste generator and storage sites across the DOE complex. The Waste Isolation Pilot Plant is crucial to the Department of Energy (DOE) completing its cleanup and closure mission.

Program Direction.—Funds the Federal workforce responsible for the overall direction and administrative support of the EM program, including both Headquarters and field personnel.

Program Support.—Funds management and direction for various crosscutting EM and DOE initiatives such as science, technology, engineering, and mathematics activities at Minority Serving Institutions and investments in historically underserved communities to support program needs, intergovernmental activities, and analyses and integration activities across DOE in a consistent, responsible, and efficient manner.

Safeguards and Security.—Funds activities to protect against unauthorized access, theft, diversion, loss of custody or destruction of DOE assets, and hostile acts that could cause adverse impacts to fundamental national security or the health and safety of DOE and contractor employees, the public or the environment.

Technology Development and Deployment.—Funds projects managed through Headquarters to address the immediate, near- and long-term technology needs identified by the EM sites, enabling them to accelerate their cleanup schedules, treat orphaned wastes, improve worker safety, and provide technical foundations for the sites' cleanup decisions. These projects focus on maturing and deploying the technologies necessary to accelerate tank waste processing, treatment, and waste loading.

Object Classification (in millions of dollars)

Identification code 089-0251-0-1-053	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	161	162	156
11.3 Other than full-time permanent	1	1	1
11.5 Other personnel compensation	7	7	7
11.9 Total personnel compensation	169	170	164
12.1 Civilian personnel benefits	64	64	62
21.0 Travel and transportation of persons	5	5	5
23.1 Rental payments to GSA	13	13	13
23.2 Rental payments to others	1	1	1
23.3 Communications, utilities, and miscellaneous charges	14	14	14
25.1 Advisory and assistance services	1,517	1,524	1,470
25.2 Other services from non-Federal sources	601	604	582
25.3 Other goods and services from Federal sources	41	41	40
25.4 Operation and maintenance of facilities	3,955	3,973	3,934
25.5 Research and development contracts	2	2	2
25.6 Medical care	17	17	16
25.7 Operation and maintenance of equipment	2	2	2
26.0 Supplies and materials	1	1	1
31.0 Equipment	65	65	63
32.0 Land and structures	1,046	1,051	1,014
41.0 Grants, subsidies, and contributions	64	64	62
99.9 Total new obligations, unexpired accounts	7,577	7,611	7,445

Employment Summary

Identification code 089-0251-0-1-053	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	1,177	1,265	1,265

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, and classified 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, \$1,140,023,000, to remain available until expended: Provided, That of such amount, \$396,804,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-0243-0-1-999	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Other Defense Activities (Direct)	979	1,035	1,140
0100 Subtotal, Direct program activities	979	1,035	1,140
0799 Total direct obligations	979	1,035	1,140
0810 Other Defense Activities (Reimbursable)	2,396	2,138	2,057
0819 Reimbursable program activities, subtotal	2,396	2,138	2,057
0900 Total new obligations, unexpired accounts	3,375	3,173	3,197
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	89	79	
1021 Recoveries of prior year unpaid obligations	73		
1070 Unobligated balance (total)	162	79	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	1,035	1,035	1,140
Spending authority from offsetting collections, discretionary:			
1700 Collected	2,054	2,059	2,057
1701 Change in uncollected payments, Federal sources	203		
1750 Spending auth from offsetting collections, disc (total)	2,257	2,059	2,057
1900 Budget authority (total)	3,292	3,094	3,197
1930 Total budgetary resources available	3,454	3,173	3,197
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	79		
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	2,189	2,287	1,633
3010 New obligations, unexpired accounts	3,375	3,173	3,197
3020 Outlays (gross)	-3,202	-3,827	-3,170
3040 Recoveries of prior year unpaid obligations, unexpired	-73		
3041 Recoveries of prior year unpaid obligations, expired	-2		
3050 Unpaid obligations, end of year	2,287	1,633	1,660
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-1,671	-1,790	-1,790
3070 Change in uncollected pymts, Fed sources, unexpired	-203		
3071 Change in uncollected pymts, Fed sources, expired	84		
3090 Uncollected pymts, Fed sources, end of year	-1,790	-1,790	-1,790
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	518	497	-157
3200 Obligated balance, end of year	497	-157	-130
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	3,292	3,094	3,197
Outlays, gross:			
4010 Outlays from new discretionary authority	1,325	1,641	1,719
4011 Outlays from discretionary balances	1,877	2,186	1,451
4020 Outlays, gross (total)	3,202	3,827	3,170
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	-2,047	-1,974	-1,991
4033 Non-Federal sources	-89	-85	-66
4040 Offsets against gross budget authority and outlays (total)	-2,136	-2,059	-2,057
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	-203		
4052 Offsetting collections credited to expired accounts	82		
4060 Additional offsets against budget authority only (total)	-121		
4070 Budget authority, net (discretionary)	1,035	1,035	1,140
4080 Outlays, net (discretionary)	1,066	1,768	1,113
4180 Budget authority, net (total)	1,035	1,035	1,140
4190 Outlays, net (total)	1,066	1,768	1,113

Environment, Health, Safety and Security Mission Support.—The program supports the Department's health, safety, environment, and security programs to enhance productivity while maintaining the highest standards of safe operation, identifying and protecting the Department's classified information, protecting national assets, and ensuring environmental sustainability.

OTHER DEFENSE ACTIVITIES—Continued

The program functions include: policy and guidance development and technical assistance; analysis of health, safety, environment, classification, and security performance; government-wide information security programs to protect nuclear weapons information; nuclear safety; domestic and international health studies; medical screening programs for former workers; Energy Employee Occupational Illness Compensation Program Act support; quality assurance programs; interface with the Defense Nuclear Facilities Safety Board; national security information programs; and security for the Department's facilities and personnel in the National Capital Area.

Enterprise Assessments.—The program supports the Department's independent assessments of security, cybersecurity, emergency management, and environment, safety and health performance; enforcement of worker safety and health, nuclear safety; and classified information security regulations; and implementation of security and safety professional development and training programs.

Specialized Security Activities.—The program supports national security related analyses requiring highly specialized skills and capabilities.

Legacy Management.—The program supports long-term stewardship activities (e.g., ground-water monitoring, disposal cell maintenance, records management, asset management, community outreach and management of natural resources) at sites where active remediation has been completed. The program also supports strengthening Environmental Justice activities. Lastly, Legacy Management supports post-retirement benefits for former contractor employees.

Hearings and Appeals.—The Office of Hearings and Appeals adjudicates personnel security cases, as well as whistleblower reprisal complaints filed by DOE contractor employees. The office is the appeal authority in various other areas, including Freedom of Information Act and Privacy Act appeals. In addition, the office decides requests for exception from DOE orders, rules, regulations, and is responsible for the DOE's alternative dispute resolution function.

Defense-Related Administrative Support.—Obligations are included for defense-related administrative support that serves to offset costs attributable to the defense-related programs within the Department of Energy that utilize the department-wide services funded by the Departmental Administration account. These include accounting and information technology department-wide services.

Object Classification (in millions of dollars)

Identification code 089–0243–0–1–999	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	111	114	117
11.3 Other than full-time permanent	1	1	1
11.5 Other personnel compensation	5	5	5
11.9 Total personnel compensation	117	120	123
12.1 Civilian personnel benefits	41	47	52
21.0 Travel and transportation of persons	7	8	11
23.1 Rental payments to GSA	4	6	9
23.2 Rental payments to others	3	3	7
23.3 Communications, utilities, and miscellaneous charges	8	10	16
25.1 Advisory and assistance services	402	410	419
25.2 Other services from non-Federal sources	57	59	77
25.3 Other goods and services from Federal sources	33	37	44
25.4 Operation and maintenance of facilities	243	250	256
25.7 Operation and maintenance of equipment	8	10	13
26.0 Supplies and materials	2	4	5
31.0 Equipment	22	25	40
32.0 Land and structures	1	3	4
41.0 Grants, subsidies, and contributions	31	43	64
99.0 Direct obligations	979	1,035	1,140
99.0 Reimbursable obligations	2,396	2,138	2,057
99.9 Total new obligations, unexpired accounts	3,375	3,173	3,197

Employment Summary

Identification code 089–0243–0–1–999	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	726	726	730

DEFENSE NUCLEAR WASTE DISPOSAL

Program and Financing (in millions of dollars)

Identification code 089–0244–0–1–053	2023 actual	2024 est.	2025 est.
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	2	2	.....
3020 Outlays (gross) .....	.....	–2	.....
3050 Unpaid obligations, end of year	2	.....	.....
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	2	2	.....

3200	Obligated balance, end of year	2	.....	.....
Budget authority and outlays, net:				
Discretionary:				
Outlays, gross:				
4011	Outlays from discretionary balances	2	.....	.....
4180	Budget authority, net (total) .....	.....	.....	.....
4190	Outlays, net (total)	2	.....	.....

The Defense Nuclear Waste Disposal appropriation was established by the Congress as part of the 1993 Energy and Water Development Appropriation (P.L. 102–377), in lieu of payment from the Department of Energy (DOE) into the Nuclear Waste Fund for activities related to the disposal of defense high-level waste from DOE's atomic energy defense activities.

ENERGY PROGRAMS

Federal Funds

SCIENCE

For Department of Energy expenses 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 any facility or for plant or facility acquisition, construction, or expansion, and purchase of not more than 35 passenger motor vehicles, \$8,583,000,000, to remain available until expended: Provided, That of such amount, \$246,000,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0222–0–1–251	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Basic Energy Sciences	2,442	2,504	2,582
0002 Advanced Scientific Computing Research	1,018	1,033	1,153
0003 Biological and Environmental Research	869	836	945
0004 High Energy Physics	1,173	1,196	1,232
0005 Nuclear Physics	841	771	833
0006 Fusion Energy Sciences	728	805	844
0007 Science Laboratories Infrastructure	308	314	295
0008 Science Program Direction	212	237	246
0009 Workforce Development for Teachers and Scientists	38	42	43
0010 Safeguards and Security	180	200	195
0011 Small Business Innovation Research	263	.....	.....
0012 Small Business Technology Transfer	36	.....	.....
0013 Isotope R&D and Production	109	153	184
0014 Accelerator R&D and Production	26	29	31
0050 Inflation Reduction Act	250	.....	.....
0799 Total direct obligations	8,493	8,120	8,583
0801 Science (Reimbursable)	664	643	643
0900 Total new obligations, unexpired accounts	9,157	8,763	9,226
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	411	254	254
1001 Discretionary unobligated balance brought fwd, Oct 1	167	.....	.....
1011 Unobligated balance transfer from other acct [089–0321]	3	.....	.....
1021 Recoveries of prior year unpaid obligations	59	.....	.....
1070 Unobligated balance (total)	473	254	254
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	8,100	8,120	8,583
1121 Appropriations transferred from other acct [089–0319]	47	.....	.....
1121 Appropriations transferred from other acct [089–0309]	15	.....	.....
1121 Appropriations transferred from other acct [089–0213]	32	.....	.....
1121 Appropriations transferred from other acct [089–0251]	2	.....	.....
1121 Appropriations transferred from other acct [089–2250]	3	.....	.....
1121 Appropriations transferred from other acct [089–0321]	91	.....	.....
1121 Appropriations transferred from other acct [089–0318]	6	.....	.....
1160 Appropriation, discretionary (total)	8,296	8,120	8,583
Spending authority from offsetting collections, discretionary:			
1700 Collected	562	643	643
1701 Change in uncollected payments, Federal sources	80	.....	.....
1750 Spending auth from offsetting collections, disc (total)	642	643	643
1900 Budget authority (total)	8,938	8,763	9,226
1930 Total budgetary resources available	9,411	9,017	9,480

Memorandum (non-add) entries:			
1941	Unexpired unobligated balance, end of year	254	254
Change in obligated balance:			
Unpaid obligations:			
3000	Unpaid obligations, brought forward, Oct 1	10,580	11,101
3010	New obligations, unexpired accounts	9,157	8,763
3020	Outlays (gross)	-8,566	-10,170
3040	Recoveries of prior year unpaid obligations, unexpired	-59	.....
3041	Recoveries of prior year unpaid obligations, expired	-11	.....
3050	Unpaid obligations, end of year	11,101	9,694
Uncollected payments:			
3060	Uncollected pymts, Fed sources, brought forward, Oct 1	-618	-641
3070	Change in uncollected pymts, Fed sources, unexpired	-80	.....
3071	Change in uncollected pymts, Fed sources, expired	57	.....
3090	Uncollected pymts, Fed sources, end of year	-641	-641
Memorandum (non-add) entries:			
3100	Obligated balance, start of year	9,962	10,460
3200	Obligated balance, end of year	10,460	9,053
Budget authority and outlays, net:			
Discretionary:			
4000	Budget authority, gross	8,938	8,763
Outlays, gross:			
4010	Outlays from new discretionary authority	1,778	1,867
4011	Outlays from discretionary balances	6,142	7,858
4020	Outlays, gross (total)	7,920	9,725
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030	Federal sources	-412	-399
4033	Non-Federal sources	-196	-244
4040	Offsets against gross budget authority and outlays (total)	-608	-643
Additional offsets against gross budget authority only:			
4050	Change in uncollected pymts, Fed sources, unexpired	-80	.....
4052	Offsetting collections credited to expired accounts	46	.....
4060	Additional offsets against budget authority only (total)	-34	.....
4070	Budget authority, net (discretionary)	8,296	8,120
4080	Outlays, net (discretionary)	7,312	9,082
Mandatory:			
Outlays, gross:			
4101	Outlays from mandatory balances	646	445
4180	Budget authority, net (total)	8,296	8,120
4190	Outlays, net (total)	7,958	9,527

The Office of Science (SC) is the Nation's largest Federal supporter of basic research in the physical sciences. The SC portfolio has two thrusts: direct support of scientific research and direct support of the design, development, construction, and operation of unique, open-access scientific user facilities. SC programs invest in basic research for the advancement of clean energy, to transform our understanding of nature, and to strengthen the connection between advances in fundamental science and technology innovation. The Request expands support for research initiatives focused on Administration priorities: Artificial Intelligence and Machine Learning (AI/ML); Climate Science; Microelectronics Science Research Centers; Funding for Accelerated, Inclusive Research (FAIR); and Reaching a New Energy Sciences Workforce (RENEW). AI/ML will accelerate progress in scientific research and missions by developing new data analysis tools and integrated data-focused approaches with our more traditional research and development (R&D) ecosystem. Microelectronics Science Research Centers will comprise a network of multiple team awards, with individual awards focused on a dimension related to a common research topic for each center. The multidisciplinary teams will include researchers from universities, national laboratories, and industry. FAIR aims to build research capacity, infrastructure, and expertise at institutions historically underserved in the SC research portfolio, including minority serving institutions (MSIs) and emerging research institutions. RENEW expands targeted efforts to broaden participation and equity, and inclusion across SC activities, including through a new RENEW graduate fellowship. The request also supports ongoing investments in priority areas including fusion, Energy Earthshots, clean energy, critical materials and minerals, quantum information science (QIS), isotope production, and advanced computing.

Advanced Scientific Computing Research.—The Advanced Scientific Computing Research (ASCR) program supports research in applied mathematics, computer science and networking; delivers the most advanced computational scientific applications in partnership with disciplinary science; advances computing and networking capabilities; and develops future generations of computing hardware and tools for science, in partnership with the research community and U.S. industry. The program supports the development, maintenance, and operation of large high-performance computing and network facilities, including the Leadership Computing Facilities at Oak Ridge and Argonne National Laboratories, the National Energy Research Scientific Computing Center at Lawrence Berkeley National Laboratory, and the Energy Sciences Network.

Basic Energy Sciences.—The Basic Energy Sciences (BES) program supports fundamental research to understand, predict, and ultimately control matter and energy at the electronic, atomic, and molecular levels to provide the foundations for innovations in clean energy technologies and related national priorities; to mitigate the climate and environmental impacts of energy generation and use; and to support DOE missions in energy, environment, and national security. The research disciplines that BES supports—condensed matter and materials physics, chemistry,

geosciences, and aspects of biosciences are those that discover new materials and design new chemical processes that touch virtually every important aspect of energy resources, production, conversion, transmission, storage, efficiency, and waste mitigation. BES supports scientific user facilities including intense x-ray sources, neutron sources, and research centers for nanoscale science. BES also manages construction projects to build new or upgrade existing facilities to provide world-leading tools and instruments to the scientific community and maintain U.S. leadership in the physical sciences.

Biological and Environmental Research.—The Biological and Environmental Research (BER) program supports transformative science to achieve a predictive understanding of complex biological, Earth, and environmental systems. BER research in biological systems science uses advanced genomics with computation, experimentation, and user facility capabilities for basic science on plant and microbial systems. BER research in Earth and environmental systems sciences supports research to characterize and understand the forcings and feedbacks within the Earth system, which includes studies on atmospheric physics and chemistry, ecosystem ecology and biogeochemistry, coastal and urban sciences, and development and validation of Earth system models extending from local to global scales. Operations continue at the three BER scientific user facilities. BER will continue the Microbial Molecular Phenotyping Capabilities construction project and initiate the Drizzle, Aerosol, and Cloud Observation (DRACO) chamber project to complement field observations.

Fusion Energy Sciences.—The Fusion Energy Sciences (FES) program's mission is to expand the fundamental understanding of matter at very high temperatures and densities and to build the scientific foundation needed to develop a fusion energy source. The FES program is restructured to reflect recommendations in the Fusion Energy Sciences Advisory Committee Long Range Plan. Basic to enabling research of plasmas and their interaction with their surroundings is carried out at world-class domestic and international fusion and plasma facilities. Behavior of magnetically confined fusion plasmas is experimentally explored at two FES user facilities. This is complemented by a program in Inertial Fusion Energy and other confinement approaches. The Bold Decadal Vision is supported through partnerships with the private sector. FES also manages projects to build new or upgrade existing facilities to provide world-leading tools and instruments to the scientific community. The request increases support for four Fusion Innovation Research Engine (FIRE) centers.

High Energy Physics.—The High Energy Physics (HEP) program supports fundamental research to understand how the universe works by discovering the elementary constituents of matter and energy, probing the interactions among them, and exploring the basic nature of space and time. HEP is organized along three frontiers: 1) The Energy Frontier, where researchers accelerate particles to high energies and collide them to produce and study the fundamental constituents of matter; 2) The Intensity Frontier, where researchers use intense particle beams and sensitive detectors to make precise measurements of particle properties, to study the rarest particle interactions predicted by the Standard Model, and to search for new physics; and 3) The Cosmic Frontier, where researchers seek to understand dark matter and dark energy by using naturally occurring particles to explore new phenomena. HEP supports two scientific user facilities and manages construction projects to build or upgrade facilities, providing world-leading tools and instruments to the particle physics scientific community.

Nuclear Physics.—The mission of the Nuclear Physics (NP) program is to solve an enduring mystery of the universe—what are the basic constituents of matter and how do they interact to form the elements and the properties we observe? To solve this mystery, NP supports research to discover, explore, and understand all forms of nuclear matter, including exotic forms that existed in the first moments after the Big Bang. NP provides approximately 95 percent of the support for basic nuclear physics research in the United States. NP operates four national user facilities. A key focus of new development will be the full integration of AI/ML into accelerator operations and particle detection instrumentation to optimize performance of both. Other research attempts to understand the theory of the strong nuclear force via Quantum Chromodynamics (QCD). NP supports the Electron-Ion Collider (EIC) project to discover how the mass of everyday objects is dynamically generated by the interaction of quarks and gluons.

Isotope R&D and Production.—The DOE Isotope Program (DOE IP) produces radioactive and stable isotopes in short supply where no domestic entity has the capability to meet market demand. The DOE IP utilizes particle accelerators and research nuclear reactors at national laboratories and universities to produce and chemically process critical isotopes. DOE IP also extracts radioisotopes from legacy waste and manages federal inventories of isotopes for the Nation. The DOE IP supports research in isotope production, enrichment, and chemical separations. Construction projects continue to expand the stable isotope production capability, increase chemical separation capability, and address disruptions in global isotope supply chains.

Accelerator R&D and Production.—Accelerator R&D and Production (ARDAP) supports cross-cutting basic R&D in accelerator science and technology, access to unique SC accelerator R&D infrastructure, workforce development, and public-private partnerships to advance new technologies for use in SC's scientific facilities and in commercial products. ARDAP supports fundamental research, user facility operations, and production of accelerator technologies in industry.

Workforce Development for Teachers and Scientists.—The Workforce Development for Teachers and Scientists (WDTS) program supports undergraduate internships for students, graduate thesis research opportunities in SC mission areas, and visiting faculty research appointments for faculty from institutions historically underserved in STEM research at DOE national laboratories. WDTS manages the Albert Einstein Distinguished Educator Fellowship for K-12 STEM teachers and the National Science Bowl[®], a nationwide middle and high school science competition.

Science Laboratories Infrastructure.—The Science Laboratories Infrastructure (SLI) program supports scientific and technological innovation at the SC laboratories by sustaining and modernizing general purpose infrastructure and fostering safe, efficient, reliable, resilient, and environmentally responsible operations.

SCIENCE—Continued

Safeguards and Security.—The Safeguards and Security (S&S) program is designed to ensure appropriate security measures are in place to support the SC mission requirement of open scientific research and to protect critical assets within SC laboratories.

Program Direction.—Science Program Direction supports the Federal workforce to develop and oversee SC investments in research and scientific user facilities.

Object Classification (in millions of dollars)

Identification code 089–0222–0–1–251	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	118	120	130
11.3 Other than full-time permanent	2	2	2
11.5 Other personnel compensation	4	4	4
11.8 Special personal services payments	1	1	1
11.9 Total personnel compensation	125	127	137
12.1 Civilian personnel benefits	32	40	47
21.0 Travel and transportation of persons	3	3	4
23.1 Rental payments to GSA	1	1	1
23.2 Rental payments to others			3
23.3 Communications, utilities, and miscellaneous charges	3	4	4
25.1 Advisory and assistance services	35	35	35
25.2 Other services from non-Federal sources	30	30	30
25.3 Other goods and services from Federal sources	19	19	19
25.4 Operation and maintenance of facilities	5,667	5,083	5,537
25.5 Research and development contracts	11	11	11
25.7 Operation and maintenance of equipment	2	2	2
26.0 Supplies and materials	2	2	1
31.0 Equipment	256	300	202
32.0 Land and structures	1,155	1,130	1,200
41.0 Grants, subsidies, and contributions	1,152	1,333	1,350
99.0 Direct obligations	8,493	8,120	8,583
99.0 Reimbursable obligations	664	643	643
99.9 Total new obligations, unexpired accounts	9,157	8,763	9,226

Employment Summary

Identification code 089–0222–0–1–251	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	790	820	845

ADVANCED RESEARCH PROJECTS AGENCY—ENERGY

For Department of Energy expenses necessary in carrying out the activities authorized by section 5012 of the America COMPETES Act (Public Law 110–69), \$450,000,000, to remain available until expended: Provided, That of such amount, \$42,000,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0337–0–1–270	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 ARPA-E Projects	438	433	408
0002 Program Direction	39	37	42
0799 Total direct obligations	477	470	450
0900 Total new obligations, unexpired accounts	477	470	450
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	557	557	557
1021 Recoveries of prior year unpaid obligations	7		
1070 Unobligated balance (total)	564	557	557
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	470	470	450
1900 Budget authority (total)	470	470	450
1930 Total budgetary resources available	1,034	1,027	1,007
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	557	557	557

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	806	877	890
3010 New obligations, unexpired accounts	477	470	450
3020 Outlays (gross)	–399	–457	–580
3040 Recoveries of prior year unpaid obligations, unexpired	–7		
3050 Unpaid obligations, end of year	877	890	760
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	806	877	890
3200 Obligated balance, end of year	877	890	760

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	470	470	450
Outlays, gross:			
4010 Outlays from new discretionary authority	26	47	45
4011 Outlays from discretionary balances	373	410	535
4020 Outlays, gross (total)	399	457	580
4180 Budget authority, net (total)	470	470	450
4190 Outlays, net (total)	399	457	580

The U.S. Department of Energy's Advanced Research Projects Agency-Energy (ARPA-E) was established by the America COMPETES Act of 2007 (Public Law 110–69), as amended. The mission of ARPA-E is to enhance the economic and energy security of the United States through the development of energy technologies that reduce imports of energy from foreign sources; reduce energy-related emissions, including greenhouse gases; improve the energy efficiency of all economic sectors; provide transformative solutions to improve the management, clean-up, and disposal of radioactive waste and spent nuclear fuel; and improve the resilience, reliability, and security of infrastructure to produce, deliver, and store energy. In 2025 ARPA-E will continue to include research and development on climate adaptation and resiliency energy innovations as well as support the Administration's Net Zero Gamechangers Initiative to achieve net zero emissions, economy-wide by 2050. ARPA-E will ensure that the United States maintains a technological lead in developing and deploying advanced energy technologies. ARPA-E will identify and promote revolutionary advances in energy, translating scientific discoveries and cutting-edge inventions into technological innovations. It will also accelerate transformational technological advances in areas where industry by itself is not likely to invest due to technical and financial uncertainty. The role of ARPA-E is not to duplicate DOE's basic research and applied programs but to focus on novel early-stage energy research and development with technology applications that can be meaningfully advanced with a small investment over a defined period of time.

Object Classification (in millions of dollars)

Identification code 089–0337–0–1–270	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	2	2	3
11.3 Other than full-time permanent	7	8	11
11.9 Total personnel compensation	9	10	14
12.1 Civilian personnel benefits	3	3	4
21.0 Travel and transportation of persons	1	1	1
25.1 Advisory and assistance services	22	22	22
25.2 Other services from non-Federal sources	18	18	18
25.3 Other goods and services from Federal sources	3	3	3
25.4 Operation and maintenance of facilities	47	47	47
25.5 Research and development contracts	374	366	341
99.0 Direct obligations	477	470	450
99.9 Total new obligations, unexpired accounts	477	470	450

Employment Summary

Identification code 089–0337–0–1–270	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	55	60	80

ENERGY SUPPLY AND CONSERVATION

Program and Financing (in millions of dollars)

Identification code 089–0224–0–1–999	2023 actual	2024 est.	2025 est.
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	6	6	6
1930 Total budgetary resources available	6	6	6
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	6	6	6

4180	Budget authority, net (total)			
4190	Outlays, net (total)			

NUCLEAR ENERGY

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for nuclear energy 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, \$1,590,660,000, to remain available until expended: Provided, That of such amount, \$97,000,000 shall be available until September 30, 2026, for program direction: Provided further, That of the amounts made available under this heading, \$300,000,000 is designated by the Congress as being for an emergency requirement pursuant to section 251(b)(2)(A)(i) of the Balanced Budget and Emergency Deficit Control Act of 1985: Provided further, That such amount shall be available only if the President designates such amount as an emergency requirement pursuant to such section 251(b)(2)(A)(i).

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0319–0–1–999	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 NEUP, SBIR/STTR, and TCF	73	130	135
0002 Nuclear Leadership Development Program	6	7	7
0004 Reactor Concepts RD&D	225	115	88
0007 Fuel Cycle R&D	411	410	447
0030 Nuclear Energy Enabling Technologies (NEET)	101	88	105
0034 Advanced Reactors Demonstration Program (ARDP)	238	380	200
0051 23-E-200 - LOTUS	20	20	20
0052 16-E-200 - Sample Preparation Laboratory	7		
0053 Naval Reactors Development	100	100	
0081 Inflation Reduction Act - Infrastructure	149		
0082 Inflation Reduction Act - HALEU	22	20	19
0083 Infrastructure Investment and Jobs Act - Civil Nuclear Credit Program	3	1,108	8
0091 Direct program activities, subtotal	1,355	2,378	1,029
0301 ORNL Infrastructure Facilities O&M	20	20	
0401 Idaho Facilities Management	319	319	344
0450 Idaho National Laboratory safeguards and security	150	150	150
0491 Infrastructure programs, subtotal	469	469	494
0551 Program Direction	84	94	102
0552 International Nuclear Energy Cooperation			5
0591 Other direct program activities, subtotal	84	94	107
0799 Total direct obligations	1,928	2,961	1,630
0801 Nuclear Energy (Reimbursable)	290	408	408
0900 Total new obligations, unexpired accounts	2,218	3,369	2,038
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	2,322	3,425	3,401
1001 Discretionary unobligated balance brought fwd, Oct 1	1,472		
1021 Recoveries of prior year unpaid obligations	13		
1070 Unobligated balance (total)	2,335	3,425	3,401
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	1,773	1,753	1,591
1120 Appropriations transferred to other accts [089–0222]	–47		
1121 Appropriations transferred from other acct [089–0314]	100	100	
1160 Appropriation, discretionary (total)	1,826	1,853	1,591
Advance appropriations, discretionary:			
1170 Advance appropriation	1,200	1,199	1,199
1172 Advance appropriations transferred to other accounts [089–0228]	–1		
1172 Advance appropriations transferred to other accounts [089–0236]	–1		
1180 Advanced appropriation, discretionary (total)	1,198	1,199	1,199
Spending authority from offsetting collections, discretionary:			
1700 Collected	287	293	294
1701 Change in uncollected payments, Federal sources	–3		
1750 Spending auth from offsetting collections, disc (total)	284	293	294
1900 Budget authority (total)	3,308	3,345	3,084
1930 Total budgetary resources available	5,643	6,770	6,485

Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	3,425	3,401	4,447
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1,746	1,876	3,116
3010 New obligations, unexpired accounts	2,218	3,369	2,038
3020 Outlays (gross)	–2,074	–2,129	–2,347
3040 Recoveries of prior year unpaid obligations, unexpired	–13		
3041 Recoveries of prior year unpaid obligations, expired	–1		
3050 Unpaid obligations, end of year	1,876	3,116	2,807
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–265	–262	–262
3070 Change in uncollected pymts, Fed sources, unexpired	3		
3090 Uncollected pymts, Fed sources, end of year	–262	–262	–262
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1,481	1,614	2,854
3200 Obligated balance, end of year	1,614	2,854	2,545
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	3,308	3,345	3,084
Outlays, gross:			
4010 Outlays from new discretionary authority	590	1,206	1,054
4011 Outlays from discretionary balances	1,480	823	1,131
4020 Outlays, gross (total)	2,070	2,029	2,185
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–271	–293	–294
4033 Non-Federal sources	–16		
4040 Offsets against gross budget authority and outlays (total)	–287	–293	–294
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	3		
4070 Budget authority, net (discretionary)	3,024	3,052	2,790
4080 Outlays, net (discretionary)	1,783	1,736	1,891
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	4	100	162
4180 Budget authority, net (total)	3,024	3,052	2,790
4190 Outlays, net (total)	1,787	1,836	2,053

The Office of Nuclear Energy (NE) funds a broad range of research and development (R&D) activities and supports Federal nuclear energy R&D infrastructure. The 2025 Budget continues programmatic support for advanced reactor R&D activities; fuel cycle R&D; and the safe, environmentally-compliant, and cost-effective operation of the Department's facilities vital to nuclear energy R&D activities.

NEUP, SBIR/STTR and TCR.—This program focuses on nuclear energy related R&D activities conducted by small businesses and supports university level engineering and science through competitively awarded university-led research and development and infrastructure; university research reactor fuel services; and scholarships and fellowships.

Reactor Concepts Research, Development and Demonstration.—This program conducts R&D on advanced reactor designs and advanced technologies for light water reactors (LWR).

Fuel Cycle Research and Development.—This program conducts R&D on advanced fuel cycle technologies that have the potential to improve resource utilization and energy generation, reduce waste generation, enhance safety, and mitigate risk of proliferation.

Nuclear Energy Enabling Technologies.—This program conducts R&D and strategic infrastructure investments to develop innovative and crosscutting nuclear energy technologies, including investments in modeling and simulation tools and providing access to unique nuclear energy research capabilities through the Nuclear Science User Facilities.

Advanced Reactors Demonstration Program.—This program focuses Departmental and non-Federal resources on the development of commercial reactor technologies that may be ready for demonstration and deployment in the mid-term.

Infrastructure.—This program manages Department of Energy mission critical facilities at the Idaho National Laboratory (INL), creating a safe and compliant status to support the Department's nuclear energy R&D activities; and testing of naval reactor fuels and reactor core components.

Idaho Site-wide Safeguards and Security.—This program supports the INL complex nuclear facility infrastructure and enables R&D in support of multiple program missions.

International Nuclear Energy Cooperation.—This program leads the Department's international engagement for civil nuclear energy, including analysis, development, and coordination activities.

Program Direction.—This program provides the Federal staffing resources and associated costs required to support the overall direction and execution of NE programs.

In 2025, the Grid Deployment Office will support the Civil Nuclear Credit Program, a \$6 billion strategic investment (\$1.2 billion for each of five years) through the Bipartisan Infrastructure Law (BIL), to help preserve the existing U.S. reactor fleet and save thousands of high-paying jobs across the country. Under the new program, owners or operators of commercial U.S. reactors can apply for certification to bid on credits to support their continued operations. An application must demonstrate the reactor is projected to close for economic reasons and that closure will lead to a rise in air pollutants and carbon emissions. The program is available for

NUCLEAR ENERGY—Continued

plants that are certified as safe to continue operations and prioritizes plants that use domestically produced fuel.

Object Classification (in millions of dollars)

Identification code 089-0319-0-1-999	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	39	44	47
11.3 Other than full-time permanent	1	1	1
11.5 Other personnel compensation	2	2	2
11.9 Total personnel compensation	41	47	50
12.1 Civilian personnel benefits	15	17	19
21.0 Travel and transportation of persons	2	2	2
25.1 Other Contractual Services	1	1	1
25.1 Advisory and assistance services	9	9	8
25.2 Other services from non-Federal sources	326	326	312
25.3 Other goods and services from Federal sources	9	9	11
25.4 Operation and maintenance of facilities	1,269	1,189	968
25.5 Research and development contracts	65	65	87
25.7 Operation and maintenance of equipment	1	1	1
31.0 Equipment	12	12	12
32.0 Land and structures	58	58	52
41.0 Grants, subsidies, and contributions	60	1,165	53
41.0 Other Grants, Not Otherwise Classified	60	60	54
99.0 Direct obligations	1,928	2,961	1,630
99.0 Reimbursable obligations	290	408	408
99.9 Total new obligations, unexpired accounts	2,218	3,369	2,038

Employment Summary

Identification code 089-0319-0-1-999	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	275	310	320

ELECTRICITY

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for electricity 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, \$293,000,000, to remain available until expended: Provided, That of such amount, \$19,700,000 shall be available until September 30, 2026, for program direction: Provided further, That funds made available under this heading allocated for the purposes of section 9 of the Small Business Act, as amended (15 U.S.C. 638), including for Small Business Innovation Research and Small Business Technology Transfer activities, or for the purposes of section 1001 of the Energy Policy Act of 2005, as amended (42 U.S.C. 16391), for Technology Commercialization Fund activities, may be reprogrammed without being subject to the restrictions in section 301 of this Act.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-0318-0-1-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0011 Transmission reliability and resiliency	31	34	42
0012 Resilient distribution systems	42	55	47
0014 Energy Storage	63	95	79
0015 Transformer Resilience and Advanced Components	9	28	22
0017 Cyber Resilient & Security Utility Communication Network	15	15	15
0018 Energy Delivery Grid Operations Technology	30	31	30
0019 Applied Grid Transformation Solutions	6	10	30
0021 Electricity Innovation and Transition .....	.....	.....	14
0023 Congressionally Directed Spending	3	.....	.....
0034 Grid Planning & Development	10	16	.....
0035 Grid Technical Assistance	5	25	.....
0037 Wholesale Electricity Market TA & Grants	1	17	.....
0038 Interregional & Offshore Transmission Planning	2	2	.....
0040 Program Direction	24	23	18
0041 Electricity, Infrastructure Investment and Jobs Act	785	2,797	2,688
0042 Disaster Relief Supplemental	7	148	573
0050 Inflation Reduction Act	12	341	351
0799 Total direct obligations	1,045	3,637	3,909

0801 Reimbursable work	3	1,509	1,934
0809 Reimbursable program activities, subtotal	3	1,509	1,934
0900 Total new obligations, unexpired accounts	1,048	5,146	5,843

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	4,553	8,437	6,243
1001 Discretionary unobligated balance brought fwd, Oct 1	1,693	5,596	.....
1010 Unobligated balance transfer to other accts [089-2250]	-1	.....	.....
1010 Unobligated balance transfer to other accts [089-0236] .....	.....	.....	-4
1021 Recoveries of prior year unpaid obligations	1	.....	.....
1070 Unobligated balance (total)	4,553	8,437	6,239
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	350	350	293
1100 Appropriation [Disaster Relief Supplemental]	1,000	.....	.....
1120 Appropriations transferred to SC [089-0222]	-6	.....	.....
1160 Appropriation, discretionary (total)	1,344	350	293
Advance appropriations, discretionary:			
1170 Advance appropriation	1,610	1,608	1,608
1172 Advance appropriations transferred to other accounts [089-0228]	-2	.....	.....
1172 Advance appropriations transferred to other accounts [089-0236]	-2	.....	.....
1180 Advanced appropriation, discretionary (total)	1,606	1,608	1,608
Spending authority from offsetting collections, discretionary:			
1700 Collected	1	994	994
1701 Change in uncollected payments, Federal sources	1,981	.....	.....
1750 Spending auth from offsetting collections, disc (total)	1,982	994	994
1900 Budget authority (total)	4,932	2,952	2,895
1930 Total budgetary resources available	9,485	11,389	9,134
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	8,437	6,243	3,291

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	331	1,133	5,644
3010 New obligations, unexpired accounts	1,048	5,146	5,843
3020 Outlays (gross)	-245	-635	-2,089
3040 Recoveries of prior year unpaid obligations, unexpired	-1	.....	.....
3050 Unpaid obligations, end of year	1,133	5,644	9,398
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-1	-1,982	-1,982
3070 Change in uncollected pymts, Fed sources, unexpired	-1,981	.....	.....
3090 Uncollected pymts, Fed sources, end of year	-1,982	-1,982	-1,982
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	330	-849	3,662
3200 Obligated balance, end of year	-849	3,662	7,416

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	4,932	2,952	2,895
Outlays, gross:			
4010 Outlays from new discretionary authority	32	55	47
4011 Outlays from discretionary balances	209	555	1,973
4020 Outlays, gross (total)	241	610	2,020
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	-1	-994	-994
4040 Offsets against gross budget authority and outlays (total)	-1	-994	-994
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	-1,981	.....	.....
4070 Budget authority, net (discretionary)	2,950	1,958	1,901
4080 Outlays, net (discretionary)	240	-384	1,026
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	4	25	69
4180 Budget authority, net (total)	2,950	1,958	1,901
4190 Outlays, net (total)	244	-359	1,095

The mission of the Office of Electricity (OE) is to drive electric grid modernization and resilience in energy infrastructure. OE leads the Department of Energy's efforts to strengthen, transform, and improve electricity delivery infrastructure so that consumers have access to reliable, resilient, secure, affordable, and clean sources of energy. OE programs include:

Transmission Reliability and Resilience (TRR).—The TRR program is focused on ensuring the reliability and resilience of the U.S. electric grid through R&D on system observability and control capabilities. TRR is also developing and demonstrating operational tools for grid enhancing technologies (GETS), developing and validating models to characterize evolving systems

needs, identifying pathways to achieve an equitable transition to decarbonization and electrification, addressing ongoing industry challenges, and mitigating risks across integrated energy systems.

Energy Delivery Grid Operations Technology (EDGOT).—EDGOT enhances the analytical capability needed to ensure reliable and resilient energy delivery and to identify scalable solutions to changing climate conditions and other emerging threats. The core of the EDGOT portfolio is the North America Energy Resilience Model (NAERM), a hybrid data/model platform for the assessment of significant interdependencies within the energy sector that could affect reliability.

Resilient Distribution Systems (RDS).—The RDS program develops transformative technologies, tools, and techniques to enable industry to modernize the distribution portion of the electric delivery system. RDS pursues strategic investments that improve reliability, increase resilience, support vehicle electrification, integrate clean distributed energy resources, and increase customer choice.

Cyber Resilient and Secure Utility Communications Networks (SecureNet).—SecureNet develops solutions to strengthen the security and resilience of the information layer that enables operation of the electricity delivery system. The program's core R&D focus is on grid communication and data network information security and resilience, including enabling components and technologies such as alternate timing and blockchain.

Energy Storage.—Energy Storage accelerates the development of long duration grid storage technologies by increasing amounts of stored energy and operational durations, reducing technology costs, de-risking technologies to ensure long-term reliability, developing analytic models to uncover technical and economic benefits, and demonstrating how storage provides clean and equitable energy access for consumers and communities.

Transformer Resilience and Advanced Components (TRAC).—The TRAC program develops innovations to control, convert, condition, and transport electricity, equipping the grid to achieve decarbonization goals while enhancing its reliability and resilience. TRAC encompasses materials research, exploratory concepts, and modeling and analysis to fill fundamental R&D gaps and encourage the adoption of new technologies and approaches.

Advanced Grid Transformation Solutions (AGTS).—AGTS addresses the need for assessing and testing new grid systems and subsystems (including energy storage, transmission, distribution, and power control and conversion systems in integrated pilot environments. These assessments provide utilities with the information they need to quantify and validate functionality, performance, and economic benefits before deploying new technologies.

Program Direction.—Program Direction provides for the costs associated with the Federal workforce and contractor services that support OE's mission. These costs include salaries, benefits, travel, training, building occupancy, IT systems, and other related expenses.

Object Classification (in millions of dollars)

Identification code 089–0318–0–1–271	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	16	16	5
11.3 Other than full-time permanent	1	1	1
11.5 Other personnel compensation	1	1	.....
11.9 Total personnel compensation	18	18	6
12.1 Civilian personnel benefits	6	15	7
21.0 Travel and transportation of persons	1	3	3
25.1 Advisory and assistance services	24	24	13
25.2 Other services from non-Federal sources	6	6	.....
25.3 Other goods and services from Federal sources	4	4	2
25.4 Operation and maintenance of facilities	222	222	274
25.5 Research and development contracts	12	12	4
41.0 Grants, subsidies, and contributions	752	3,333	3,600
99.0 Direct obligations	1,045	3,637	3,909
99.0 Reimbursable obligations	3	1,509	1,934
99.9 Total new obligations, unexpired accounts	1,048	5,146	5,843

Employment Summary

Identification code 089–0318–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	106	106	56
2001 Reimbursable civilian full-time equivalent employment	12	12	8

GRID DEPLOYMENT

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for grid deployment 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, \$101,870,000, to remain available until expended: Provided, That of such amount, \$11,785,000 shall be available until September 30, 2026, for program direction.

Program and Financing (in millions of dollars)

Identification code 089–2301–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0010 Transmission Planning & Permitting	36
0011 Distribution & Markets	24
0012 Microgrid Generation & Design Deployment	30
0050 Program Direction	12
0799 Total direct obligations	102
0801 Reimbursable program activity	2
0900 Total new obligations, unexpired accounts	104
Budgetary resources:			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	102
Spending authority from offsetting collections, discretionary:			
1700 Collected	2
1900 Budget authority (total)	104
1930 Total budgetary resources available	104
Change in obligated balance:			
Unpaid obligations:			
3010 New obligations, unexpired accounts	104
3020 Outlays (gross)	–53
3050 Unpaid obligations, end of year	51
Memorandum (non-add) entries:			
3200 Obligated balance, end of year	51
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	104
Outlays, gross:			
4010 Outlays from new discretionary authority	53
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–2
4040 Offsets against gross budget authority and outlays (total)	–2
4180 Budget authority, net (total)	102
4190 Outlays, net (total)	51

The Grid Deployment Office (GDO) works to provide electricity to consumers by maintaining and investing in critical generation facilities to ensure resource adequacy and improving and expanding transmission and distribution systems to ensure access to reliable, affordable electricity while supporting economic development. GDO's priority is to develop and deploy innovative grid modernization solutions to address electricity system needs while ensuring the availability of clean, firm generation capacity, like hydropower and nuclear energy. Working in partnership with energy sector stakeholders, including the national laboratories, on a variety of grid initiatives, GDO supports the resilience of the Nation's electric system by mitigating risk and strengthening its transmission and distribution infrastructure. The 2023 activities were executed under the Electricity appropriations account shared with the Office of Electricity. The Grid Deployment appropriation account for 2025 includes:

Transmission Planning and Permitting (TPP).—TPP supports innovative efforts in transmission reliability and clean energy analysis and programs, and energy infrastructure and risk analysis to enhance grid resilience. TPP addresses transmission planning and permitting challenges to enable a resilient and reliable electricity system. TPP supports the National Transmission Planning Study and strengthens the partnership with the national laboratories to further develop grid planning modeling capabilities at the transmission level.

Distribution and Markets (D&M).—The D&M program works with electricity system partners and stakeholders to establish and improve centrally-organized market components and bilateral market arrangements as well as advance distribution-level market opportunities that will enable a clean, reliable, resilient, and equitable grid. The program addresses improving, expanding, or establishing new wholesale electricity markets; focuses on supporting the integration and utilization of long-duration energy storage; and expands distribution level modeling for grid planning with the national laboratories.

Hydropower Incentives.—This program supports the development of analytics for follow-up monitoring of the impact of hydropower incentives for the modernization and maintenance of existing U.S. hydropower assets.

Microgrid Generation & Design Development (MG&DD).—The MG&DD program focuses on grid resiliency at scale by deploying microgrid solutions to communities, including those with high frequency and/or long duration of outages. The program supports communities in conducting strategic analysis, project design, and generation investment activities for microgrids.

Program Direction.—Program Direction provides for the costs associated with the Federal workforce and contractor services that support GDO's mission. These costs include salaries, benefits, travel, training, building occupancy, IT systems, and other related expenses.

GDO also implements the following programs appropriated under the Infrastructure Investment and Jobs Act of 2021, Inflation Reduction Act of 2022, and the Disaster Relief Supplemental Appropriations Act, 2023, which were appropriated under the Department's Electricity account:

GRID DEPLOYMENT—Continued

Infrastructure Investment and Jobs Act (IIJA).—IIJA provides additional resources to support investment in critical generation facilities, the development of interregional transmission lines, and upgrades to the existing distribution and transmission system to support grid modernization efforts.

Inflation Reduction Act (IRA).—IRA provides additional resources to support investments for increased development of electricity transmission infrastructure.

Disaster Relief Supplemental Appropriations Act.—The 2023 Disaster Relief Supplemental provides additional resources to improve the resilience of the Puerto Rican electric grid.

Object Classification (in millions of dollars)

Identification code 089–2301–0–1–271	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent			7
11.9 Total personnel compensation			7
12.1 Civilian personnel benefits			3
21.0 Travel and transportation of persons			1
23.3 Communications, utilities, and miscellaneous charges			5
24.0 Printing and reproduction			1
25.1 Advisory and assistance services			7
25.2 Other services from non-Federal sources			30
25.3 Other goods and services from Federal sources			12
25.4 Operation and maintenance of facilities			3
25.7 Operation and maintenance of equipment			3
41.0 Grants, subsidies, and contributions			30
99.0 Direct obligations			102
99.0 Reimbursable obligations			2
99.9 Total new obligations, unexpired accounts			104

Employment Summary

Identification code 089–2301–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment			46
2001 Reimbursable civilian full-time equivalent employment			3

TRANSMISSION FACILITATION FUND

Program and Financing (in millions of dollars)

Identification code 089–4380–0–3–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0020 Capacity contracts		1,259	998
0030 Public private partnerships			200
0900 Total new obligations, unexpired accounts (object class 33.0)		1,259	1,198
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1		1,750	491
Budget authority:			
Borrowing authority, mandatory:			
1400 Borrowing authority	1,750		750
1420 Borrowing authority permanently reduced			–43
1440 Borrowing authority, mandatory (total)	1,750		707
1900 Budget authority (total)	1,750		707
1930 Total budgetary resources available	1,750	1,750	1,198
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	1,750	491	
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1			1,259
3010 New obligations, unexpired accounts		1,259	1,198
3050 Unpaid obligations, end of year		1,259	2,457
Memorandum (non-add) entries:			
3100 Obligated balance, start of year			1,259
3200 Obligated balance, end of year		1,259	2,457
Budget authority and outlays, net:			
Mandatory:			
4090 Budget authority, gross	1,750		707
4180 Budget authority, net (total)	1,750		707
4190 Outlays, net (total)			

The Transmission Facilitation Fund was created in Section 40106 of the Infrastructure Investment and Jobs Act of 2021 to facilitate the construction, replacement, or capacity upgrade of certain eligible electric power transmission lines and related facilities. A borrowing authority of \$2.5 billion was established for the fund to carry out the program.

CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for energy sector cybersecurity, energy security, and emergency response 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, \$200,000,000, to remain available until expended: Provided, That of such amount, \$32,000,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–2250–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0008 Cybersecurity for Energy Delivery Systems	2		
0010 Risk Management Technology and Tools (CEDS)	121	125	106
0020 Infrastructure security and energy restoration	1		
0021 Response and Restoration	18	23	33
0023 Preparedness, Policy and Risk Analysis	28	27	29
0027 Congressionally Directed Spending	3		
0030 Program direction	23	25	32
0035 CESER, Infrastructure Investment and Jobs Act	91	100	100
0799 Total direct obligations	287	300	300
0801 Reimbursable work	3	8	8
0900 Total new obligations, unexpired accounts	290	308	308

Budgetary resources:
Unobligated balance:

1000 Unobligated balance brought forward, Oct 1	254	266	261
1011 Unobligated balance transfer from other acct [089–0318]	1		
1021 Recoveries of prior year unpaid obligations	1		
1070 Unobligated balance (total)	256	266	261
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	200	200	200
1120 Appropriations transferred to other acct [089–0222]	–3		
1160 Appropriation, discretionary (total)	197	200	200
Advance appropriations, discretionary:			
1170 Advance appropriation	100	100	100
Spending authority from offsetting collections, discretionary:			
1700 Collected	2	2	3
1701 Change in uncollected payments, Federal sources	1	1	
1750 Spending auth from offsetting collections, disc (total)	3	3	3
1900 Budget authority (total)	300	303	303
1930 Total budgetary resources available	556	569	564
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	266	261	256

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	211	353	343
3010 New obligations, unexpired accounts	290	308	308
3020 Outlays (gross)	–147	–318	–320
3040 Recoveries of prior year unpaid obligations, unexpired	–1		
3050 Unpaid obligations, end of year	353	343	331
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–3	–4	–5
3070 Change in uncollected pymts, Fed sources, unexpired	–1	–1	
3090 Uncollected pymts, Fed sources, end of year	–4	–5	–5
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	208	349	338
3200 Obligated balance, end of year	349	338	326

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	300	303	303
Outlays, gross:			
4010 Outlays from new discretionary authority	27	33	63

4011	Outlays from discretionary balances	120	285	257
4020	Outlays, gross (total)	147	318	320
	Offsets against gross budget authority and outlays: Offsetting collections (collected) from:			
4030	Federal sources	-2	-2	-3
4040	Offsets against gross budget authority and outlays (total)	-2	-2	-3
	Additional offsets against gross budget authority only:			
4050	Change in uncollected pymts, Fed sources, unexpired	-1	-1	.....
4070	Budget authority, net (discretionary)	297	300	300
4080	Outlays, net (discretionary)	145	316	317
4180	Budget authority, net (total)	297	300	300
4190	Outlays, net (total)	145	316	317

The Office of Cybersecurity, Energy Security, and Emergency Response (CESER) leads the Department's efforts to secure U.S. energy infrastructure against all hazards, reduce the risks of and impacts from cybersecurity and facilitate of preparedness, response, restoration, and recovery activities. Programs include:

Preparedness, Policy, and Risk Analysis (PPRA)—Promotes sector risk management and preparedness through cultivating strong partnerships with the energy sector community including electric utilities and oil and natural gas owner/operators, State, Local, Tribal, and Territorial (SLTT) governments, vendors and commercial providers, and the Federal Interagency PPRA works to strengthen the security and resilience of critical energy infrastructure and surrounding communities through threat- and intelligence-informed risk analysis, exercises, training and workforce development, and policies and standards developed in partnership with other Federal entities, regulators, and States.

Risk Management Tools (RMT)—Leads CESER's effort to research, develop, demonstrate, and deploy tools and technologies that address the growing risks to U.S. energy infrastructure against all hazards. RMT develops tools, technologies, and techniques to broadly address cyber, cyber-supply chain, electromagnetic pulse, geomagnetic disturbance, natural hazards (e.g., wildfires hurricanes, flooding), and physical threats in partnership with the DOE National Laboratories, energy sector owners and operators, manufacturers, and academia. As the energy sector continues to evolve with new sources of generation, communications protocols, and architectures, RMT is focused on reducing the risk of energy disruptions from all hazard events through a threat- and intelligence-informed position.

Response and Restoration (R&R)—The R&R program coordinates a national effort to ensure the rapid and effective restoration of negatively impacted and damaged U.S. energy infrastructure, efficiently addresses the impacts from disruptive events, and assists industry, State, and inter-agency partners with response, recovery and restoration activities. R&R delivers a range of capabilities to ensure the effective restoration of energy systems in an all-hazards environment (including cyber) and provides near real-time situational awareness and energy sector monitoring to identify threats and risks, improve sector risk management, increase resilience through risk reduction activities, and rapidly respond to incidents, events, and hazards impacting or potentially impacting the sector.

Program Direction—Program Direction provides for the costs associated with the Federal workforce and contractor services that support CESER's mission. These costs include salaries, benefits, travel, training, building occupancy, Enterprise Information Technology Services, security clearances to meet mission critical CESER staff functions and maintain efficient support.

The Bipartisan Infrastructure Law (BIL) (Infrastructure Investment and Jobs Act, P.L. 117–58) provides additional resources for CESER to: 1) implement a rural and municipal utility advanced cybersecurity grant and technical assistance program, and 2) enhance grid security.

Object Classification (in millions of dollars)

Identification code 089–2250–0–1–271	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent	8	12	15
11.9 Total personnel compensation	8	12	15
12.1 Civilian personnel benefits	3	6	6
25.1 Advisory and assistance services	23	24	23
25.2 Other services from non-Federal sources	3	3	3
25.3 Other goods and services from Federal sources	5	5	4
25.4 Operation and maintenance of facilities	224	228	229
25.5 Research and development contracts	21	22	20
99.0 Direct obligations	287	300	300
99.0 Reimbursable obligations	3	8	8
99.9 Total new obligations, unexpired accounts	290	308	308

Employment Summary

Identification code 089–2250–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	47	73	93

ENERGY EFFICIENCY AND RENEWABLE ENERGY

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for energy efficiency and renewable energy 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, \$3,118,000,000, to remain available until expended: Provided, That of such amount, \$194,792,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0321–0–1–270	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Vehicle Technologies	412	412	502
0002 Bioenergy Technologies	311	311	280
0003 Hydrogen & Fuel Cell Technologies	257	257	170
0091 Sustainable Transportation, subtotal	980	980	952
0101 Solar Energy	304	304	318
0102 Wind Energy	148	148	199
0103 Water Power	170	170	160
0104 Geothermal Technologies	62	62	156
0105 Renewable Energy Integration	52	52	65
0191 Renewable Electricity, subtotal	736	736	898
0201 Advanced Manufacturing	679	.....	.....
0202 Building Technologies	452	452	340
0203 Weatherization & Intergovernmental Activities	1,966	1,966	.....
0204 Energy Delivery Grid Operations Technology	1	1	.....
0205 Advanced Materials and Manufacturing Technologies .....	.....	258	220
0206 Industrial Efficiency and Decarbonization .....	.....	421	287
0291 Energy Efficiency, subtotal	3,098	3,098	847
0301 Program Direction & Support	221	258	195
0302 Strategic Programs	76	76	21
0303 Facilities & Infrastructure	310	310	205
0391 EERE Corporate Support, subtotal	607	644	421
0401 Infrastructure Investment and Jobs Act	1,617	1,943	1,945
0451 Manufacturing and Energy Supply Chains	34	18	.....
0452 Federal Energy Management Program	39	43	.....
0453 State and Community Energy Programs	74	471	.....
0491 Direct program activities, subtotal	1,764	2,475	1,945
0799 Total direct obligations	7,185	7,933	5,063
0810 Energy Efficiency and Renewable Energy (Reimbursable)	198	198	198
0900 Total new obligations, unexpired accounts	7,383	8,131	5,261
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	21,099	19,594	17,137
1001 Discretionary unobligated balance brought fwd, Oct 1	8,949	.....	.....
1010 Unobligated balance transfer to other accts [089–0222]	-3	.....	.....
1021 Recoveries of prior year unpaid obligations	56	90	90
1070 Unobligated balance (total)	21,152	19,684	17,227
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	3,460	3,460	3,118
1120 Appropriations transferred to other accts [089–0222]	-91	.....	.....
1160 Appropriation, discretionary (total)	3,369	3,460	3,118
Advance appropriations, discretionary:			
1170 Advance appropriation [Infrastructure Investment and Jobs Act]	2,222	1,943	1,943
1172 Advance appropriations transferred to other accounts [089–0228]	-2	.....	.....
1172 Advance appropriations transferred to other accounts [089–0236]	-2	.....	.....
1180 Advanced appropriation, discretionary (total)	2,218	1,943	1,943
Spending authority from offsetting collections, discretionary:			
1700 Collected	186	181	185
1701 Change in uncollected payments, Federal sources	52	.....	.....
1750 Spending auth from offsetting collections, disc (total)	238	181	185
1900 Budget authority (total)	5,825	5,584	5,246
1930 Total budgetary resources available	26,977	25,268	22,473
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	19,594	17,137	17,212

ENERGY EFFICIENCY AND RENEWABLE ENERGY—Continued
Program and Financing—Continued

Identification code 089–0321–0–1–270	2023 actual	2024 est.	2025 est.
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	5,325	9,639	9,702
3010 New obligations, unexpired accounts	7,383	8,131	5,261
3020 Outlays (gross)	–3,012	–7,978	–8,522
3040 Recoveries of prior year unpaid obligations, unexpired	–56	–90	–90
3041 Recoveries of prior year unpaid obligations, expired	–1		
3050 Unpaid obligations, end of year	9,639	9,702	6,351
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–94	–146	–146
3070 Change in uncollected pymts, Fed sources, unexpired	–52		
3090 Uncollected pymts, Fed sources, end of year	–146	–146	–146
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	5,231	9,493	9,556
3200 Obligated balance, end of year	9,493	9,556	6,205
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	5,825	5,584	5,246
Outlays, gross:			
4010 Outlays from new discretionary authority	414	353	338
4011 Outlays from discretionary balances	2,583	5,946	6,521
4020 Outlays, gross (total)	2,997	6,299	6,859
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–85	–81	–83
4033 Non-Federal sources	–101	–100	–102
4040 Offsets against gross budget authority and outlays (total)	–186	–181	–185
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	–52		
4060 Additional offsets against budget authority only (total)	–52		
4070 Budget authority, net (discretionary)	5,587	5,403	5,061
4080 Outlays, net (discretionary)	2,811	6,118	6,674
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	15	1,679	1,663
4180 Budget authority, net (total)	5,587	5,403	5,061
4190 Outlays, net (total)	2,826	7,797	8,337

The Office of Energy Efficiency and Renewable Energy (EERE) accelerates the research, development, demonstration, and deployment (RDD&D) of technologies and solutions to equitably transition America to net-zero greenhouse gas (GHG) emissions economy-wide no later than 2050, creating good paying jobs, and ensuring the clean energy economy benefits all Americans, especially workers and communities impacted by the energy transition and those historically underserved by the energy system and overburdened by pollution.

To achieve this mission, EERE invests in clean energy technologies that are ready to be demonstrated and deployed, as well as research and development (R&D) activities that advance early-stage technologies with a clear path to deployment. EERE's investments focus on five strategic priority areas: decarbonizing the electricity sector, decarbonizing transportation across all modes, decarbonizing U.S. industrial facilities, decarbonizing the building sector, and decarbonizing the agriculture sector, specifically focused on the nexus between energy and water.

EERE works in a unified and coordinated way with its state and local partners to accelerate a just, equitable transition to a clean energy economy and ensure that the office's investments benefit everyone, especially those in underserved or pollution over-burdened communities and workers and communities impacted by the energy transition. The office is organized into four pillars, with three technical pillars designed to advance cross-technology solutions, and a Corporate Program pillar that serves as the central organization for all EERE products, services, processes, and systems.

Sustainable Transportation and Fuel Pillar.—Supports RDD&D efforts to decarbonize transportation across all modes to enable the following: vehicle electrification; commercially viable hydrogen fuel cell trucks; sustainable aviation fuel from biomass; and waste carbon resources and low-GHG options for off-road vehicles, rail, and maritime transport. Many newly-proposed investments in this pillar are directly focused on deployment or demonstration of technology to show viable commercial paths, including a number of programmatic performance milestones by 2030 related to decarbonizing transportation across all modes. The Budget also supports hydrogen use for industrial decarbonization and energy storage, including sustainable biomass to achieve reduced GHG from the agricultural sector.

Renewable Energy Pillar.—Supports RDD&D efforts to reduce the costs and accelerate the integration and utilization of renewable energy technologies as part of a reliable, secure, resilient, and fully decarbonized electric system by 2035 and a net zero economy by 2050. This request drives critical cost reductions and technical improvements in wind, solar, geothermal, and water power technologies to increase the penetration of cost-competitive, non-emitting energy generation resources across the country. Renewable Energy also provides new research and technologies to facilitate the siting and integration of the high levels of renewable power generation

needed to fully decarbonize the power system, and supports the development of diversified, resilient supply chains for all renewable energy technologies to help ensure the long-lasting security of the U.S. energy supply, which will also provide thousands of good-paying jobs for American workers. The request includes an energy-water demonstration project intended to demonstrate a commercially-viable regional and/or local energy-water project that both harnesses renewable power and improves water conditions.

Buildings and Industry Pillar.—Supports RDD&D to decarbonize America's homes, buildings, and industrial facilities while also strengthening U.S. manufacturing competitiveness and producing thousands of good-paying jobs. The request includes increased support for demonstration and deployment, as well as high impact R&D of technologies to increase energy efficiency, improve demand flexibility, and reduce on-site emissions from our nation's 125 million homes and commercial buildings to reduce total emissions by 50 percent by 2030 and net-zero by 2050. It also increases investment in RDD&D across the multiple decarbonization technologies and approaches necessary to achieve net-zero emissions by 2050, including industry-specific decarbonization investments focused on the chemicals, iron and steel, cement, and food products industries.

Corporate Support Pillar.—Supports activities to make EERE more efficient and effective. This pillar identifies ways to strengthen EERE's overall performance, organization, budget, laboratory management, operations, human capital, and project management while achieving significant cost savings. This includes support for program direction (e.g., salaries and benefits, support services, working capital fund, etc.) and facilities and infrastructure as part of EERE's stewardship of the National Renewable Energy Laboratory (e.g., general plant projects, general purpose equipment, safeguards and security, and capacity building for Administration priorities).

Budgetary projections, including program direction and FTE counts, in the EERE account reflect execution of the Inflation Reduction Act (IRA) and the Bipartisan Infrastructure Legislation (BIL) programs appropriated to EERE and executed through EERE and three newly established programs: State and Community Energy Programs; Manufacturing and Energy Supply Chains; and Federal Energy Management Program.

In 2025, as appropriated through the EERE account, \$1.945 Billion of BIL funding is provided to support the following activities: Electric Drive Vehicle Battery Recycling and Second-Life Applications Program; Clean Hydrogen Electrolysis Program; Clean Hydrogen Manufacturing Recycling Research, Development, and Demonstration Program; Maintaining and Enhancing Hydroelectricity Incentives - Section 247 of the Energy Policy Act of 2005; Implementation Grants for Industrial Research and Assessment Centers; Industrial Research and Assessment Centers; Grants for Energy Efficiency Improvement and Renewable Energy Improvements at Public School Facilities; Grants for Updating Building Energy Codes; Advanced Energy Manufacturing and Recycling Grant Program; Battery Manufacturing and Recycling Grants; and Battery Material Processing Grants.

Object Classification (in millions of dollars)

Identification code 089–0321–0–1–270	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	103	103	70
11.3 Other than full-time permanent	3	3	3
11.5 Other personnel compensation	4	4	4
11.9 Total personnel compensation	110	110	77
12.1 Civilian personnel benefits	39	39	27
21.0 Travel and transportation of persons	4	4	3
23.3 Communications, utilities, and miscellaneous charges	5	5	5
25.1 Advisory and assistance services	194	194	200
25.2 Other services from non-Federal sources	20	20	22
25.3 Other goods and services from Federal sources	38	38	40
25.4 Operation and maintenance of facilities	2,046	2,046	2,300
25.5 Research and development contracts	172	172	220
25.7 Operation and maintenance of equipment	3	3	5
26.0 Supplies and materials	5	5	6
31.0 Equipment	11	11	12
32.0 Land and structures	33	33	33
41.0 Grants, subsidies, and contributions	4,506	5,254	2,113
99.0 Direct obligations	7,186	7,934	5,063
99.0 Reimbursable obligations	197	197	198
99.9 Total new obligations, unexpired accounts	7,383	8,131	5,261

Employment Summary

Identification code 089–0321–0–1–270	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	744	744	710
2001 Reimbursable civilian full-time equivalent employment	12	12	12

OFFICE OF MANUFACTURING AND ENERGY SUPPLY CHAINS

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for manufacturing and energy supply chain 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 fa-

cility or for plant or facility acquisition, construction, or expansion, \$113,350,000 to remain available until expended: Provided, That of the amounts provided under this heading, not more than \$20,000,000 shall be available until September 30, 2026.

Program and Financing (in millions of dollars)

Identification code 089–2291–0–1–270	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Workforce Capacity and Competitiveness			20
0002 Manufacturing Capacity and Competitiveness			53
0003 Supply Chain Mapping, Modeling and Analysis			20
0010 Program Direction			20
0900 Total new obligations, unexpired accounts			113
Budgetary resources:			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation			113
1900 Budget authority (total)			113
1930 Total budgetary resources available			113
Change in obligated balance:			
Unpaid obligations:			
3010 New obligations, unexpired accounts			113
3020 Outlays (gross)			–56
3050 Unpaid obligations, end of year			57
Memorandum (non-add) entries:			
3200 Obligated balance, end of year			57
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross			113
Outlays, gross:			
4010 Outlays from new discretionary authority			56
4180 Budget authority, net (total)			113
4190 Outlays, net (total)			56

The Office of Manufacturing and Energy Supply Chains (MESC) plays a critical role in catalyzing investments in America's energy future to support the re-shoring, skilling, and scaling of U.S. manufacturing across energy supply chains. MESC addresses vulnerabilities in U.S. energy supply chains, serves as the frontline of energy manufacturing deployment, and accelerates America's transition to a resilient, equitable energy future through direct investments in manufacturing capacity and workforce development. MESC also develops and manages the energy supply chain-focused analytical tools needed to inform energy programs and investments across DOE, the U.S. Government, and the private sector by identifying gaps, vulnerabilities, and other needs across U.S. clean energy supply chains. MESC's current activities support the Administration's Made in America efforts in the form of sustained investments in domestic manufacturing capacity for clean energy products and critical materials, and in the domestic workforce and industrial sectors needed to compete in the global manufacturing market. These activities were previously funded within the Energy Efficiency and Renewable Energy appropriation.

Object Classification (in millions of dollars)

Identification code 089–2291–0–1–270	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent			6
11.3 Other than full-time permanent			2
11.5 Other personnel compensation			1
11.9 Total personnel compensation			9
12.1 Civilian personnel benefits			3
21.0 Travel and transportation of persons			1
23.1 Rental payments to GSA			1
23.3 Communications, utilities, and miscellaneous charges			2
25.1 Advisory and assistance services			17
25.2 Other services from non-Federal sources			5
25.3 Other goods and services from Federal sources			5
41.0 Grants, subsidies, and contributions			70
99.9 Total new obligations, unexpired accounts			113

Employment Summary

Identification code 089–2291–0–1–270	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment			60

OFFICE OF STATE AND COMMUNITY ENERGY PROGRAMS

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for state and community energy 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, \$574,000,000, to remain available until expended: Provided, That of such amount, \$40,000,000 shall be available until September 30, 2026, for program direction.

Program and Financing (in millions of dollars)

Identification code 089–2292–0–1–270	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0002 Weatherization Assistance Program			385
0003 Community Programs			36
0004 State Energy Programs			70
0005 Energy Future Grants			35
0007 Energy Communities Interagency Working Group			8
0010 Program Direction			40
0900 Total new obligations, unexpired accounts			574
Budgetary resources:			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation			574
1900 Budget authority (total)			574
1930 Total budgetary resources available			574
Change in obligated balance:			
Unpaid obligations:			
3010 New obligations, unexpired accounts			574
3020 Outlays (gross)			–230
3050 Unpaid obligations, end of year			344
Memorandum (non-add) entries:			
3200 Obligated balance, end of year			344
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross			574
Outlays, gross:			
4010 Outlays from new discretionary authority			230
4180 Budget authority, net (total)			574
4190 Outlays, net (total)			230

The Office of State and Community Energy Programs (SCEP) supports the transition to an equitable clean energy economy by working with state and local organizations to significantly accelerate the deployment of clean energy technologies, catalyze local economic development and create jobs, reduce energy costs, and avoid pollution through place-based strategies. An important SCEP priority is to secure clean energy benefits for all Americans, especially those historically underserved by the energy system and overburdened by pollution. SCEP invests in energy efficiency and clean energy generation through local, regional, and state partners to reduce energy demand and increase clean energy supply. SCEP does this through the Weatherization Assistance Program, State Energy Program, Community Energy Programs, and Energy Future Grants.

Object Classification (in millions of dollars)

Identification code 089–2292–0–1–270	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent			11
11.3 Other than full-time permanent			2
11.5 Other personnel compensation			1
11.9 Total personnel compensation			14
12.1 Civilian personnel benefits			4
21.0 Travel and transportation of persons			2
23.1 Rental payments to GSA			1
23.3 Communications, utilities, and miscellaneous charges			2
24.0 Printing and reproduction			1
25.1 Advisory and assistance services			50
25.2 Other services from non-Federal sources			3
25.3 Other goods and services from Federal sources			5
25.4 Operation and maintenance of facilities			2
41.0 Grants, subsidies, and contributions			490
99.9 Total new obligations, unexpired accounts			574

OFFICE OF STATE AND COMMUNITY ENERGY PROGRAMS—Continued

Employment Summary

Identification code 089–2292–0–1–270	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment			98

FEDERAL ENERGY MANAGEMENT PROGRAM

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for federal energy 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, \$64,000,000, to remain available until expended: Provided, That of such amount, \$17,200,000 shall be available until September 30, 2026, for program direction.

Program and Financing (in millions of dollars)

Identification code 089–2293–0–1–270	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Federal Energy Management			37
0002 Federal Energy Efficiency Fund			10
0010 Program Direction			17
0900 Total new obligations, unexpired accounts			64
Budgetary resources:			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation			64
1930 Total budgetary resources available			64
Change in obligated balance:			
Unpaid obligations:			
3010 New obligations, unexpired accounts			64
3020 Outlays (gross)			–26
3050 Unpaid obligations, end of year			38
Memorandum (non-add) entries:			
3200 Obligated balance, end of year			38
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross			64
Outlays, gross:			
4010 Outlays from new discretionary authority			26
4180 Budget authority, net (total)			64
4190 Outlays, net (total)			26

The mission of the Federal Energy Management Program (FEMP), in accordance with the Energy Act of 2020, Section 1012 (42 U.S.C. 8253(i)), is to: (1) facilitate the implementation by the Federal government of cost-effective energy and water management and energy-related investment practices; (2) coordinate and strengthen Federal energy and water efficiency and resilience; and (3) to promote environmental stewardship. Federal agencies are required to comply with Executive Orders and statutory mandates while maintaining resilient, efficient, and secure installations in support of mission assurance. Federal agencies' needs include technology development and integration; infrastructure improvements; energy project development and implementation assistance; and workforce development. FEMP works with its stakeholders to build Federal agencies' capacity to meet those goals by supplying agencies with the information, tools, and assistance they need to meet and track their energy-related requirements and goals—a main instrument in deploying energy infrastructure across the Federal government is by administering the Assisting Federal Facilities with Energy Conservation Technologies (AFFECT) Grant Program under its Federal Energy Efficiency Fund (FEEF) Program authority. FEMP was previously funded in the Energy Efficiency and Renewable Energy appropriation.

Object Classification (in millions of dollars)

Identification code 089–2293–0–1–270	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent			5
11.3 Other than full-time permanent			1
11.5 Other personnel compensation			1
11.9 Total personnel compensation			7
12.1 Civilian personnel benefits			2
21.0 Travel and transportation of persons			1
23.1 Rental payments to GSA			1
23.3 Communications, utilities, and miscellaneous charges			2

24.0 Printing and reproduction			1
25.1 Advisory and assistance services			38
25.3 Other goods and services from Federal sources			1
26.0 Supplies and materials			1
41.0 Grants, subsidies, and contributions			10
99.9 Total new obligations, unexpired accounts			64

Employment Summary

Identification code 089–2293–0–1–270	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment			54

TECHNOLOGY TRANSITIONS

For Department of Energy expenses necessary for carrying out the activities of technology transitions, \$27,098,000, to remain available until expended: Provided, That of the amounts appropriated under this heading, \$3,000,000 shall be for the establishment of the Foundation for Energy Security and Innovation authorized by section 10691 of Public Law 117–167: Provided further, That of the amounts provided under this heading, \$13,183,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0346–0–1–276	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0010 Technology transition activities	9	9	11
0040 Program direction	11	13	13
0050 Foundation for Energy Security and Innovation			3
0900 Total new obligations, unexpired accounts	20	22	27
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	5	7	7
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	22	22	27
1930 Total budgetary resources available	27	29	34
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	7	7	7
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	8	13	14
3010 New obligations, unexpired accounts	20	22	27
3020 Outlays (gross)	–15	–21	–25
3050 Unpaid obligations, end of year	13	14	16
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	8	13	14
3200 Obligated balance, end of year	13	14	16
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	22	22	27
Outlays, gross:			
4010 Outlays from new discretionary authority	8	11	14
4011 Outlays from discretionary balances	7	10	11
4020 Outlays, gross (total)	15	21	25
4180 Budget authority, net (total)	22	22	27
4190 Outlays, net (total)	15	21	25

The mission of the Office of Technology Transitions (OTT) is to expand the commercial and public impact of the Department of Energy's research investments and focus on commercializing technologies that support the missions of the Department. OTT serves a multi-faceted role across the Research, Development, Demonstration, and Deployment (RDD&D) continuum to support the transition of our technologies to the market. OTT does so by providing public-private partnering support, technology transfer policy leadership, market-informed analytics, commercial adoption risk assessments, and Departmental expertise in the use of prizes and partnership intermediary agreements. OTT collaborates across DOE Program Offices to manage lab-to-market and other technology commercialization activities, including the statutory Technology Commercialization Fund, the Energy I-Corps, the Energy Program for Innovation Clusters (EPIC), Energy Technology University Prize, and the Lab Partnering Service. OTT, in coordination with Program

Offices, stewards DOE technology transition activities, including policy reform, data collection and analyses, industry stakeholder convenings, and strategic communication and amplification of DOE technology transfer success stories across the DOE—including programs, field offices, and the National Laboratories and Production Facilities. OTT supports the establishment of the Foundation for Energy Security and Innovation (FESI) which will work with DOE to carry out its critical mission and to accelerate the commercialization of new and existing energy technologies.

Object Classification (in millions of dollars)

Identification code 089–0346–0–1–276	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent	4	4	4
11.9 Total personnel compensation	4	4	4
12.1 Civilian personnel benefits	1	1	1
25.1 Advisory and assistance services	2	4	7
25.2 Other services from non-Federal sources	4	4	4
25.3 Other goods and services from Federal sources	1	1	1
25.4 Operation and maintenance of facilities	8	8	10
99.9 Total new obligations, unexpired accounts	20	22	27

Employment Summary

Identification code 089–0346–0–1–276	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	27	27	27

CLEAN ENERGY DEMONSTRATIONS

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other expenses necessary for clean energy demonstrations 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, \$180,000,000, to remain available until expended: Provided, That of such amount, \$80,000,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–2297–0–1–270	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0010 Clean Energy Demonstrations (Base Program)	14	75	100
0011 Program Direction (Base)	21	29	80
0013 Energy Improvement in Rural and Remote Areas	23	350	375
0015 Regional Clean Hydrogen Hubs	28	250	1,500
0017 Clean Energy Demonstration Program on Current and Former Mine Land	1	175	200
0019 Energy Storage Demonstration Pilot Grant Program	2	50	100
0021 Long-duration Demonstration Initiative and Joint Program	1	50	100
0023 Advanced Reactor Demonstration Program	560	683	1,044
0025 Carbon Capture Demonstration Projects Program	23	300	1,000
0027 Carbon Capture Large-scale Pilot Projects	3	200	500
0029 Industrial Emission Demonstration Projects	1	50	300
0031 Upgrading Our Electric Grid and Ensuring Reliability and Resiliency	1,935	1,065	1,000
0033 Program Direction – ILJA	104	163	262
0050 Advanced Industrial Facilities Deployment Program .....	.....	400	2,000
0051 Inflation Reduction Act – Administrative Expenses	13	49	74
0900 Total new obligations, unexpired accounts	2,729	3,889	8,635
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	10,879	12,656	13,328
1001 Discretionary unobligated balance brought fwd, Oct 1	5,067	.....	.....
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	89	89	180
Advance appropriations, discretionary:			
1170 Advance appropriation	4,426	4,472	4,522
1172 Advance appropriations transferred to OIG [089–0236]	–4	.....	.....
1172 Advance appropriations transferred to DA [089–0228]	–5	.....	.....

1180 Advanced appropriation, discretionary (total)	4,417	4,472	4,522
1900 Budget authority (total)	4,506	4,561	4,702
1930 Total budgetary resources available	15,385	17,217	18,030
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	12,656	13,328	9,395

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	59	2,657	4,392
3010 New obligations, unexpired accounts	2,729	3,889	8,635
3020 Outlays (gross)	–131	–2,154	–3,088
3050 Unpaid obligations, end of year	2,657	4,392	9,939
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	59	2,657	4,392
3200 Obligated balance, end of year	2,657	4,392	9,939

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	4,506	4,561	4,702
Outlays, gross:			
4010 Outlays from new discretionary authority	44	362	384
4011 Outlays from discretionary balances	87	1,782	2,304
4020 Outlays, gross (total)	131	2,144	2,688
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances .....	.....	10	400
4180 Budget authority, net (total)	4,506	4,561	4,702
4190 Outlays, net (total)	131	2,154	3,088

The mission of the Office of Clean Energy Demonstrations (OCED) is to deliver clean energy demonstration projects at scale in partnership with the private sector to accelerate deployment, market adoption, and the equitable transition to a decarbonized energy system. OCED was established in December 2021 and initially funded in the Bipartisan Infrastructure Law (BIL) enacted in November 2021. OCED also received funding in the Inflation Reduction Act (IRA) enacted in August 2022. These investments are intended to drive commercialization and unlock private investment to set the Nation on a course to achieve critical long-term climate change objectives.

OCED programs demonstrate clean energy solutions at or near full- and commercial-scale, in realistic operational environments, and in partnership with the private sector and local communities. The primary goal of these demonstrations is to enable market liftoff and resolve critical risks to commercialization and adoption of decarbonization solutions across all sectors to ensure bankability, marketability, and replicability. OCED programs and funding are focused predominantly on these demonstration-to-deployment objectives, as differentiated from research and development. The majority of OCED's demonstrations are intended to transition into sustained, long-term operations following the project period of performance, building confidence among investors, financiers, industry, customers, and communities in the value, viability, and overall performance of the solution.

OCED also serves as a project management oversight center of excellence, applying lessons learned from past DOE demonstrations and adopting best practices for project management.

In 2025 OCED will focus on the execution of nearly \$27 billion in its clean energy portfolio funded in BIL and IRA. The 2025 President's Budget Request includes funding for federal project management oversight of these funds; a new demonstration of community-scale energy solutions to address the impacts of extreme heat on low-income and disadvantaged communities; and a new effort to fund laboratory-provided technical assistance through a competitive, merit-based process.

Object Classification (in millions of dollars)

Identification code 089–2297–0–1–270	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	22	33	41
11.5 Other personnel compensation	1	11	13
11.9 Total personnel compensation	23	44	54
12.1 Civilian personnel benefits	8	17	21
21.0 Travel and transportation of persons	1	5	7
21.1 Advisory and assistance services	2,042	1,115	1,100
25.2 Other services from non-Federal sources	4	18	20
25.3 Other goods and services from Federal sources	1	5	6
25.4 Operation and maintenance of facilities	104	250	260
25.5 Research and development contracts	1	5	5
25.7 Operation and maintenance of equipment	1	5	5
26.0 Supplies and materials	1	5	5
32.0 Land and structures	5	23	20
41.0 Grants, subsidies, and contributions	538	2,397	7,132
99.9 Total new obligations, unexpired accounts	2,729	3,889	8,635

CLEAN ENERGY DEMONSTRATIONS—Continued

Employment Summary

Identification code 089–2297–0–1–270	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	132	275	330

INDIAN ENERGY POLICY AND PROGRAMS

For necessary expenses for Indian Energy activities in carrying out the purposes of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), \$95,000,000, to remain available until expended: Provided, That of the amount appropriated under this heading, \$14,000,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0342–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Financial Assistance	5	20	71
0002 Technical Assistance	4	8	10
0010 Program Direction	7	7	14
0900 Total new obligations, unexpired accounts	16	35	95
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	53	112	152
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	75	75	95
1930 Total budgetary resources available	128	187	247
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	112	152	152
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	36	41	22
3010 New obligations, unexpired accounts	16	35	95
3020 Outlays (gross)	–11	–54	–84
3050 Unpaid obligations, end of year	41	22	33
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	36	41	22
3200 Obligated balance, end of year	41	22	33
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	75	75	95
Outlays, gross:			
4010 Outlays from new discretionary authority	3	4	5
4011 Outlays from discretionary balances	8	50	79
4020 Outlays, gross (total)	11	54	84
4180 Budget authority, net (total)	75	75	95
4190 Outlays, net (total)	11	54	84

Office of Indian Energy Policy and Programs (IE).—Directs, fosters, coordinates, and implements energy planning, education, management, and financial assistance programs that assist Indian tribes with clean energy development and infrastructure, capacity building, energy costs, and electrification of Indian lands and homes. IE coordinates programmatic activity across the Department related to development of clean energy resources on Indian lands, and works with other Federal government agencies, Indian tribes, and tribal organizations to promote Indian energy policies and initiatives. Through financial and technical assistance IE will catalyze American Indian and Alaskan Native nations to lead the transition to 100% clean energy, conduct seven generation planning, and address energy access and energy poverty in Indian Country. A key focus will be on assisting Tribal Colleges and Universities to power their campuses with clean energy and increasing technical assistance support to Tribes.

Object Classification (in millions of dollars)

Identification code 089–0342–0–1–271	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent	2	2	4
11.9 Total personnel compensation	2	2	4

12.1 Civilian personnel benefits	1	1	1
25.1 Advisory and assistance services	4	8	13
25.4 Operation and maintenance of facilities	4	4	6
41.0 Grants, subsidies, and contributions	5	20	71
99.9 Total new obligations, unexpired accounts	16	35	95

Employment Summary

Identification code 089–0342–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	15	15	29

CRITICAL AND EMERGING TECHNOLOGIES

For Department of Energy expenses including the purchase, construction, and acquisition of plant and capital equipment, and other expenses necessary for activities related to the coordination of Department programs involving critical and emerging technologies 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, \$5,000,000, to remain available until September 30, 2026: Provided, That of such amount, \$5,000,000 shall be available for program direction.

Program and Financing (in millions of dollars)

Identification code 089–2306–0–1–276	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0520 Direct program activity			5
Budgetary resources:			
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation			5
1930 Total budgetary resources available			5
Change in obligated balance:			
Unpaid obligations:			
3010 New obligations, unexpired accounts			5
3020 Outlays (gross)			–5
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross			5
Outlays, gross:			
4010 Outlays from new discretionary authority			5
4180 Budget authority, net (total)			5
4190 Outlays, net (total)			5

The Critical and Emerging Technologies Office (CET) will lead coordination activities related to the development of artificial intelligence (AI) and other critical and emerging technologies across DOE programs, including the 17 National Laboratories, ensuring an efficient approach to advance DOE mission priorities in science, energy, and security. CET will serve as a central node for DOE on critical and emerging technology policy development with DOE and coordination with the interagency, facilitating a more coherent and proactive approach to promoting innovation and protecting critical and emerging technologies from misappropriation and misuse. CET will work with interagency, congressional, and external stakeholders to maximize the impact of DOE capabilities and investments in key areas of national importance. CET's coordination efforts will increase the impact of DOE's capabilities and expertise to strengthen the nation's strategic technology advantage.

Object Classification (in millions of dollars)

Identification code 089–2306–0–1–276	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent			1
11.9 Total personnel compensation			1
21.0 Travel and transportation of persons			1
25.3 Other goods and services from Federal sources			3
99.0 Direct obligations			5
99.9 Total new obligations, unexpired accounts			5

Employment Summary

Identification code 089–2306–0–1–276	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment			7

NON-DEFENSE ENVIRONMENTAL CLEANUP

For Department of Energy expenses, including the purchase, construction, and acquisition of plant and capital equipment and other expenses necessary for non-defense environmental cleanup 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, \$314,636,000, to remain available until expended: Provided, That in addition, fees collected pursuant to subsection (b)(1) of section 6939f of title 42, United States Code, and deposited under this heading in fiscal year 2025 pursuant to section 309 of title III of division C of Public Law 116–94 are appropriated, to remain available until expended, for mercury storage costs.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0315–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0002 Fast Flux Test Facility	3	3	3
0003 Gaseous Diffusion Plants	131	133	137
0004 Small Sites	129	133	86
0005 West Valley Demonstration Project	96	90	89
0006 Management and Storage of Elemental Mercury	1		
0799 Total direct obligations	360	359	315
0801 Non-defense Environmental Cleanup (Reimbursable)	48	40	40
0900 Total new obligations, unexpired accounts	408	399	355
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	22	28	28
1021 Recoveries of prior year unpaid obligations	8		
1070 Unobligated balance (total)	30	28	28
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	359	359	315
Spending authority from offsetting collections, discretionary:			
1700 Collected	46	40	40
1701 Change in uncollected payments, Federal sources	1		
1750 Spending auth from offsetting collections, disc (total)	47	40	40
1900 Budget authority (total)	406	399	355
1930 Total budgetary resources available	436	427	383
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	28	28	28
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	291	335	216
3010 New obligations, unexpired accounts	408	399	355
3020 Outlays (gross)	–356	–518	–486
3040 Recoveries of prior year unpaid obligations, unexpired	–8		
3050 Unpaid obligations, end of year	335	216	85
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1		–1	–1
3070 Change in uncollected pymts, Fed sources, unexpired	–1		
3090 Uncollected pymts, Fed sources, end of year	–1	–1	–1
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	291	334	215
3200 Obligated balance, end of year	334	215	84
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	406	399	355
Outlays, gross:			
4010 Outlays from new discretionary authority	189	291	260
4011 Outlays from discretionary balances	167	227	226
4020 Outlays, gross (total)	356	518	486

Offsets against gross budget authority and outlays:

Offsetting collections (collected) from:			
4030 Federal sources	–1	–1	
4033 Non-Federal sources	–46	–40	–40
4040 Offsets against gross budget authority and outlays (total)	–47	–41	–40
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	–1		
4052 Offsetting collections credited to expired accounts	1	1	
4060 Additional offsets against budget authority only (total)		1	
4070 Budget authority, net (discretionary)	359	359	315
4080 Outlays, net (discretionary)	309	477	446
4180 Budget authority, net (total)	359	359	315
4190 Outlays, net (total)	309	477	446

The Non-Defense Environmental Cleanup program includes funds to manage and clean up sites used for civilian energy research and non-defense-related activities. These activities resulted in radioactive, hazardous, and mixed waste contamination that requires remediation, stabilization, or some other type of corrective action, as well as the decontamination and decommissioning of former research and production buildings and supporting infrastructure. The budget displays the cleanup program by site and activity.

West Valley Demonstration Project.—Funds waste disposition, building decontamination, and removal of non-essential facilities in the near-term.

Gaseous Diffusion Plants.—Funds surveillance and maintenance of the former Uranium Program facilities and manages legacy polychlorinated biphenyl contamination. The program also includes the operation of two depleted uranium hexafluoride conversion facilities at Paducah, Kentucky, and Portsmouth, Ohio, which are converting the depleted uranium hexafluoride into a more stable form for reuse or disposition.

Fast Flux Test Facility.—Funds the long-term surveillance and maintenance and eventual decontamination and decommissioning of the Fast Flux Test Facility, constructed and operated from the 1960s through 1980s.

Small Sites.—Funds cleanup, closure, and post-closure environmental activities at a number of geographic sites across the nation, including the Energy Technology Engineering Center and Moab, as well as non-defense activities at Idaho. Some sites are associated with other Department of Energy programs, particularly the Office of Science, and will have continuing missions after EM completes the cleanup. Others will transition to the Office of Legacy Management or private-sector entities for post-closure activities.

Object Classification (in millions of dollars)

Identification code 089–0315–0–1–271	2023 actual	2024 est.	2025 est.
Direct obligations:			
24.0 Printing and reproduction	1	1	1
25.1 Advisory and assistance services	6	6	5
25.2 Other services from non-Federal sources	18	18	16
25.4 Operation and maintenance of facilities	321	320	281
32.0 Land and structures	11	11	9
41.0 Grants, subsidies, and contributions	3	3	3
99.0 Direct obligations	360	359	315
99.0 Reimbursable obligations	48	40	40
99.9 Total new obligations, unexpired accounts	408	399	355

FOSSIL ENERGY AND CARBON MANAGEMENT

For Department of Energy expenses necessary in carrying out fossil energy and carbon management research and development activities, under the authority of the Department of Energy Organization Act (42 U.S.C. 7101 et seq.), 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), \$900,000,000, to remain available until expended: Provided, That of such amount \$97,000,000 shall be available until September 30, 2026, for program direction.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0213–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Hydrogen with Carbon Management	87	120	111
0002 Carbon Transport and Storage	112	135	123
0003 Carbon Dioxide Removal	46	91	110
0004 Carbon Dioxide Conversion	44	58	69

FOSSIL ENERGY AND CARBON MANAGEMENT—Continued

Program and Financing—Continued

Identification code 089–0213–0–1–271	2023 actual	2024 est.	2025 est.
0005 Point-Source Carbon Capture	122	162	123
0006 Carbon Management - Policy, Analysis, and Engagement			7
0007 Advanced Remediation Technologies	24	68	27
0008 Methane Mitigation Technologies	24	74	90
0009 Natural Gas Decarbonization and Hydrogen Technologies	16	30	28
0010 Mineral Sustainability	34	80	104
0011 Resource Sustainability - Analysis and Engagement			2
0012 NETL Infrastructure	67	69	65
0013 NETL Research and Operations	85	94	101
0014 Interagency Working Group	2	3	
0015 Energy Asset Transformation	7	6	6
0016 University Training and Research	8	13	19
0017 Special Recruitment Program	1	1	1
0018 Program Direction	69	70	97
0019 Infrastructure Investment and Jobs Act/Bipartisan Infrastructure Law	187	1,849	1,067
0020 Inflation Reduction Act	5	81	57
0022 Resource Technologies and Sustainability	51		
0023 Cross Cutting Research	12		
0799 Total direct obligations	1,003	3,004	2,207
0801 Reimbursable	7	665	600
0900 Total new obligations, unexpired accounts	1,010	3,669	2,807
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	2,444	5,016	3,686
1001 Discretionary unobligated balance brought fwd, Oct 1	2,294		
1021 Recoveries of prior year unpaid obligations	15		
1070 Unobligated balance (total)	2,459	5,016	3,686
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	890	890	900
1120 Appropriations transferred to other accts [089–0222]	–32		
1160 Appropriation, discretionary (total)	858	890	900
Advance appropriations, discretionary:			
1170 Advance appropriation	1,444	1,446	1,449
1172 Advance appropriations transferred to other accounts [089–0228]	–1		
1172 Advance appropriations transferred to other accounts [089–0236]	–2		
1180 Advanced appropriation, discretionary (total)	1,441	1,446	1,449
Spending authority from offsetting collections, discretionary:			
1700 Collected	1,265	3	3
1701 Change in uncollected payments, Federal sources	3		
1750 Spending auth from offsetting collections, disc (total)	1,268	3	3
1900 Budget authority (total)	3,567	2,339	2,352
1930 Total budgetary resources available	6,026	7,355	6,038
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	5,016	3,686	3,231
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	969	1,193	3,075
3010 New obligations, unexpired accounts	1,010	3,669	2,807
3020 Outlays (gross)	–771	–1,787	–2,770
3040 Recoveries of prior year unpaid obligations, unexpired	–15		
3050 Unpaid obligations, end of year	1,193	3,075	3,112
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–2	–5	–5
3070 Change in uncollected pymts, Fed sources, unexpired	–3		
3090 Uncollected pymts, Fed sources, end of year	–5	–5	–5
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	967	1,188	3,070
3200 Obligated balance, end of year	1,188	3,070	3,107

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	3,567	2,339	2,352
Outlays, gross:			
4010 Outlays from new discretionary authority	152	400	404
4011 Outlays from discretionary balances	619	1,362	2,331
4020 Outlays, gross (total)	771	1,762	2,735
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–1,263	–2	–2

4033 Non-Federal sources	–2	–1	–1
4040 Offsets against gross budget authority and outlays (total)	–1,265	–3	–3
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	–3		
4060 Additional offsets against budget authority only (total)	–3		
4070 Budget authority, net (discretionary)	2,299	2,336	2,349
4080 Outlays, net (discretionary)	–494	1,759	2,732
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances		25	35
4180 Budget authority, net (total)	2,299	2,336	2,349
4190 Outlays, net (total)	–494	1,784	2,767

The Fossil Energy and Carbon Management (FECM) office conducts research, development, demonstration, and deployment (RDD&D) that focuses on technologies to reduce carbon emissions and other environmental impacts of fossil fuel production and use and from key industrial processes, particularly the hardest-to-decarbonize applications in the electricity and industrial sectors. Further, the program advances technologies on carbon dioxide removal (CDR) from the atmosphere and oceans, and technologies that convert and store carbon into value-added products.

FECM recognizes that global decarbonization is essential to meeting climate goals—100% carbon pollution-free electricity by 2035 and net-zero greenhouse gas emissions economy-wide by 2050—and works with international colleagues to leverage expertise in these areas.

FECM is also committed to improving the economic and environmental conditions of communities and to supporting an energy transition that accelerates the growth of good-paying jobs. Program activities funded through this account focus on: 1) demonstrating and deploying point-source carbon capture; 2) reducing methane emissions; 3) advancing CDR and conversion; 4) advancing critical minerals, rare earth elements, and mine remediation; 5) increasing efficient use of big data and artificial intelligence; 6) accelerating low-carbon hydrogen; and 7) investing in thoughtful transition strategies, including regional initiatives that invest in technologies and approaches to provide economic and environmental benefits to affected communities. Many of these activities are pursued in partnership with the National Energy Technology Laboratory (NETL), which also receives funding from this account.

Object Classification (in millions of dollars)

Identification code 089–0213–0–1–271	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	78	80	78
11.3 Other than full-time permanent	1	1	1
11.5 Other personnel compensation	3	3	3
11.9 Total personnel compensation	82	84	82
12.1 Civilian personnel benefits	30	30	30
21.0 Travel and transportation of persons	1	1	1
21.0 Other Costs for Transportation of Persons	1	1	1
23.3 Communications, utilities, and miscellaneous charges	14	11	10
25.1 Advisory and assistance services	209	515	375
25.3 Purchase of Goods and Services from Government Accounts	8	6	5
25.3 Other Contractual Services	2	1	2
25.4 Operation and maintenance of facilities	127	210	180
25.5 Research and Development	493	2,035	1,417
25.7 Operation and maintenance of equipment	7	34	34
26.0 Supplies and materials	1	1	1
26.0 Pamphlets, Documents, Subscriptions and Publications	1	1	1
31.0 Non-Capitalized Personal Property	6	4	5
32.0 Land and structures	17	68	62
41.0 Grants, Subsidies, and Contributions	1	1	1
41.0 Other Grants Not Otherwise Classified	3	1	
99.0 Direct obligations	1,003	3,004	2,207
99.0 Reimbursable obligations	7	665	600
99.9 Total new obligations, unexpired accounts	1,010	3,669	2,807

Employment Summary

Identification code 089–0213–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	763	743	743

NATIONAL ENERGY TECHNOLOGY LABORATORY RESEARCH AND DEVELOPMENT

Program and Financing (in millions of dollars)

Identification code 089–2298–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0801 Reimbursable program activity	1	5	5
0900 Total new obligations, unexpired accounts (object class 25.5)	1	5	5
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	5	9	9
Budget authority:			
Spending authority from offsetting collections, mandatory:			
1800 Collected	5	5	5
1930 Total budgetary resources available	10	14	14
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	9	9	9
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1	2	.....
3010 New obligations, unexpired accounts	1	5	5
3020 Outlays (gross) .....	.....	–7	–5
3050 Unpaid obligations, end of year	2	.....	.....
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1	2	.....
3200 Obligated balance, end of year	2	.....	.....
Budget authority and outlays, net:			
Mandatory:			
4090 Budget authority, gross	5	5	5
Outlays, gross:			
4100 Outlays from new mandatory authority .....	.....	5	5
4101 Outlays from mandatory balances .....	.....	2	.....
4110 Outlays, gross (total) .....	.....	7	5
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4120 Federal sources	–5	–5	–5
4180 Budget authority, net (total) .....	.....	.....	.....
4190 Outlays, net (total)	–5	2	.....

NAVAL PETROLEUM AND OIL SHALE RESERVES

For Department of Energy expenses necessary to carry out naval petroleum and oil shale reserve activities, \$13,010,000, to remain available until expended: Provided, That notwithstanding any other provision of law, unobligated funds remaining from prior years shall be available for all naval petroleum and oil shale reserve activities.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0219–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Production and Operations	13	13	11
0003 Program support	1	1	2
0799 Total direct obligations	14	14	13
0900 Total new obligations, unexpired accounts (object class 25.4)	14	14	13
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	8	7	6
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	13	13	13
1900 Budget authority (total)	13	13	13
1930 Total budgetary resources available	21	20	19
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	7	6	6

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	8	13	13
3010 New obligations, unexpired accounts	14	14	13
3020 Outlays (gross)	–9	–14	–15
3050 Unpaid obligations, end of year	13	13	11
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	8	13	13
3200 Obligated balance, end of year	13	13	11

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	13	13	13
Outlays, gross:			
4010 Outlays from new discretionary authority	2	8	8
4011 Outlays from discretionary balances	7	6	7
4020 Outlays, gross (total)	9	14	15
4180 Budget authority, net (total)	13	13	13
4190 Outlays, net (total)	9	14	15

This account funds environmental activities at Naval Petroleum Reserve 1 (NPR-1) in California (Elk Hills) and Naval Petroleum Reserve 3 (NPR-3) in Wyoming (Teapot Dome). Following the sale of the Government's interests in NPR-1 in California (Elk Hills), post-sale environmental assessment/remediation activities continue to be required by the legally binding agreements under the Corrective Action Consent Agreement with the State of California Department of Toxic Substances Control (DTSC). Program activities encompass execution of a technical baseline, interim measures, environmental sampling and analysis, corrective measures, waste removal and disposal, and confirmatory sampling. This account continues ongoing activities to attain release from the remaining environmental findings related to the sale of NPR-1. On January 30, 2015, the Department concluded the sale of the Teapot Dome oilfield. It now actively manages post-sale remediation tasks and groundwater sampling to fulfill landfill closure requirements in accordance with the National Environmental Policy Act and Wyoming Department of Environmental Quality standards.

Employment Summary

Identification code 089–0219–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	2	2	2

STRATEGIC PETROLEUM RESERVE

For Department of Energy expenses necessary for Strategic Petroleum Reserve facility development and operations and program management activities pursuant to the Energy Policy and Conservation Act (42 U.S.C. 6201 et seq.), \$241,169,000, to remain available until expended: Provided, That notwithstanding sections 161 and 167 of the Energy Policy and Conservation Act (42 U.S.C. 6241, 6247), the Secretary of Energy shall draw down and sell one million barrels of refined petroleum product from the Strategic Petroleum Reserve during fiscal year 2025: Provided further, That all proceeds from such sale shall be deposited into the general fund of the Treasury during fiscal year 2025: Provided further, That upon the completion of such sale, the Secretary shall carry out the closure of the Northeast Gasoline Supply Reserve.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0218–0–1–274	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 SPR Management	28	29	32
0002 SPR Storage Facilities Development	165	164	209
0004 Northeast Gasoline Supply Reserve	15	15	.....
0900 Total new obligations, unexpired accounts	208	208	241
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	13	13	12
1021 Recoveries of prior year unpaid obligations	1	.....	.....
1070 Unobligated balance (total)	14	13	12
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	207	207	241
1930 Total budgetary resources available	221	220	253
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	13	12	12

STRATEGIC PETROLEUM RESERVE—Continued
Program and Financing—Continued

Identification code 089–0218–0–1–274	2023 actual	2024 est.	2025 est.
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	203	191	173
3010 New obligations, unexpired accounts	208	208	241
3020 Outlays (gross)	–219	–226	–235
3040 Recoveries of prior year unpaid obligations, unexpired	–1		
3050 Unpaid obligations, end of year	191	173	179
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	203	191	173
3200 Obligated balance, end of year	191	173	179
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	207	207	241
Outlays, gross:			
4010 Outlays from new discretionary authority	75	83	96
4011 Outlays from discretionary balances	144	143	139
4020 Outlays, gross (total)	219	226	235
4180 Budget authority, net (total)	207	207	241
4190 Outlays, net (total)	219	226	235

The Strategic Petroleum Reserve (SPR) protects the United States from severe petroleum supply interruptions through the acquisition, storage, distribution, and management of emergency petroleum stocks, and to carry out the U.S. obligations under the International Energy Program. This account supports the SPR's operational readiness and drawdown capabilities, including cavern wellbore testing and maintenance activities to ensure the availability of the SPR's crude oil inventory. Additional funding is included in the Major Maintenance Program for required upgrades and repairs to the West Hackberry site. Included in this account is funding for the Northeast Gasoline Supply Reserve up and until its closure, as proposed in the Budget.

Object Classification (in millions of dollars)

Identification code 089–0218–0–1–274	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	14	14	15
12.1 Civilian personnel benefits	7	7	7
23.1 Rental payments to GSA	1	1	1
23.2 Rental payments to others	2	2	2
23.3 Communications, utilities, and miscellaneous charges	1	1	1
25.1 Advisory and assistance services	2	2	2
25.2 Other services from non-Federal sources	29	29	28
25.3 Other goods and services from Federal sources	2	2	2
25.4 Operation and maintenance of facilities	150	150	183
99.0 Direct obligations	208	208	241
99.9 Total new obligations, unexpired accounts	208	208	241

Employment Summary

Identification code 089–0218–0–1–274	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	117	117	117

SPR PETROLEUM ACCOUNT

For the acquisition, transportation, and injection of petroleum products, and for other necessary expenses pursuant to the Energy Policy and Conservation Act, as amended (42 U.S.C. 6201 et seq.), \$100,000, to remain available until expended.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0233–0–1–274	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0801 Proceeds from Oil Sales	351	1,532	

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	10,977	4,148	2,616
1001 Discretionary unobligated balance brought fwd, Oct 1	8		
1021 Recoveries of prior year unpaid obligations	1		
1070 Unobligated balance (total)	10,978	4,148	2,616
Budget authority:			
Appropriations, mandatory:			
1230 Appropriations and/or unobligated balance of appropriations permanently reduced	–12,447		
Spending authority from offsetting collections, mandatory:			
1800 Collected	5,968		
1900 Budget authority (total)	–6,479		
1930 Total budgetary resources available	4,499	4,148	2,616
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	4,148	2,616	2,616

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	54	230	230
3010 New obligations, unexpired accounts	351	1,532	
3020 Outlays (gross)	–174	–1,532	
3040 Recoveries of prior year unpaid obligations, unexpired	–1		
3050 Unpaid obligations, end of year	230	230	230
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	54	230	230
3200 Obligated balance, end of year	230	230	230

Budget authority and outlays, net:

Discretionary:			
Outlays, gross:			
4011 Outlays from discretionary balances	2		
Mandatory:			
4090 Budget authority, gross	–6,479		
Outlays, gross:			
4101 Outlays from mandatory balances	172	1,532	
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4123 Non-Federal sources	–5,968		
4180 Budget authority, net (total)	–12,447		
4190 Outlays, net (total)	–5,794	1,532	

The SPR Petroleum Account funds activities related to the acquisition, transportation, and injection of petroleum products into the Strategic Petroleum Reserve (SPR), as well as costs related to the drawdown, sale, and delivery of petroleum products from the Reserve. Balances in the account are expected to support partial refill of the SPR.

Object Classification (in millions of dollars)

Identification code 089–0233–0–1–274	2023 actual	2024 est.	2025 est.
Reimbursable obligations:			
23.3 Communications, utilities, and miscellaneous charges	1		
25.2 Other services from non-Federal sources	350	1,532	
99.0 Reimbursable obligations	351	1,532	
99.9 Total new obligations, unexpired accounts	351	1,532	

ENERGY SECURITY AND INFRASTRUCTURE MODERNIZATION FUND

Program and Financing (in millions of dollars)

Identification code 089–5615–0–2–274	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0010 Energy security and infrastructure modernization	5	61	12
0900 Total new obligations, unexpired accounts (object class 25.2)	5	61	12
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	103	98	37
1930 Total budgetary resources available	103	98	37
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	98	37	25

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	814	603	300
3010 New obligations, unexpired accounts	5	61	12

3020	Outlays (gross)	-216	-364	-96
3050	Unpaid obligations, end of year	603	300	216
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	814	603	300
3200	Obligated balance, end of year	603	300	216

Budget authority and outlays, net:				
Discretionary:				
Outlays, gross:				
4011	Outlays from discretionary balances	216	364	96
4180	Budget authority, net (total)			
4190	Outlays, net (total)	216	364	96

The Energy Security and Infrastructure Modernization Fund was established in Section 404 of the Bipartisan Budget Act of 2015 to finance modernization of the Strategic Petroleum Reserve (SPR). Revenue raised through sales of SPR crude oil will support Life Extension Phase 2 project investments needed to ensure the SPR can maintain its operational readiness capability, meet its mission requirements, and operate in an environmentally responsible manner. The CARES Act extended the Department's authority to sell oil in support of modernization from 2020 to 2022, and DOE conducted its final sale in 2021, thus no further appropriations are requested in 2025. Funds in the ESIM account will be used for the Life Extension Phase II (LE2) SPR infrastructure modernization project.

ENERGY INFORMATION ADMINISTRATION

For Department of Energy expenses necessary in carrying out the activities of the Energy Information Administration, \$141,653,000, to remain available until expended.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089—0216—0—1—276		2023 actual	2024 est.	2025 est.
Obligations by program activity:				
0001	Obligations by Program Activity	136	135	142
Budgetary resources:				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1	3	4	4
1021	Recoveries of prior year unpaid obligations	2	.....	.....
1070	Unobligated balance (total)	5	4	4
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation	135	135	142
1930	Total budgetary resources available	140	139	146
Memorandum (non-add) entries:				
1941	Unexpired unobligated balance, end of year	4	4	4

Change in obligated balance:				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1	45	51	49
3010	New obligations, unexpired accounts	136	135	142
3020	Outlays (gross)	-128	-137	-140
3040	Recoveries of prior year unpaid obligations, unexpired	-2		
3050	Unpaid obligations, end of year	51	49	51
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	45	51	49
3200	Obligated balance, end of year	51	49	51

Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	135	135	142
Outlays, gross:				
4010	Outlays from new discretionary authority	88	94	99
4011	Outlays from discretionary balances	40	43	41
4020	Outlays, gross (total)	128	137	140
4180	Budget authority, net (total)	135	135	142
4190	Outlays, net (total)	128	137	140

The U.S. Energy Information Administration (EIA) is the statistical and analytical agency within the U.S. Department of Energy. EIA collects, analyzes, and disseminates independent and impartial energy information to promote sound policymaking, efficient markets, and public understanding of energy and its interaction with the economy and the environment. As the nation's premier source of energy information, EIA conducts a data collection program covering the full spectrum of energy sources, end uses, and energy flows; generates short- and long-term domestic

and international energy forecasts and projections; and performs timely, informative energy analyses. The 2025 request enables EIA to continue statistical and analysis activities that produce reports critical to the nation, address emerging information needs, and increase the accessibility and usability of EIA's information for its stakeholders.

Object Classification (in millions of dollars)

Identification code 089–0216–0–1–276		2023 actual	2024 est.	2025 est.
Direct obligations:				
Personnel compensation:				
11.1	Full-time permanent	48	48	51
11.3	Other than full-time permanent	1	1	1
11.5	Other personnel compensation	2	2	2
11.9	Total personnel compensation	51	51	54
12.1	Civilian personnel benefits	17	18	19
23.3	Communications, utilities, and miscellaneous charges	11	10	11
25.1	Advisory and assistance services	47	48	48
25.3	Purchase of goods and services from Government Accounts	4	3	4
26.0	Pamphlets, Documents, Subscriptions and Publications	4	3	4
31.0	Equipment	1	1	1
41.0	Grants, subsidies, and contributions	1	1	1
99.9	Total new obligations, unexpired accounts	136	135	142

Employment Summary

Identification code 089–0216–0–1–276	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	366	366	371

FEDERAL ENERGY REGULATORY COMMISSION

SALARIES AND EXPENSES

For expenses necessary for 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, official reception and representation expenses not to exceed \$3,000, and the hire of passenger motor vehicles, \$532,000,000, to remain available until expended: Provided, That notwithstanding any other provision of law, not to exceed \$532,000,000 of revenues from fees and annual charges, and other services and collections in fiscal year 2025 shall be retained and used for expenses necessary 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 2025 so as to result in a final fiscal year 2025 appropriation from the general fund estimated at not more than \$0.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0212–0–1–276		2023 actual	2024 est.	2025 est.
Obligations by program activity:				
0010	Inflation Reduction Act	2	11	11
0801	Ensure Just and Reasonable Rates, Terms & Conditions	220	241	250
0802	Promote Safe, Reliable, Secure & Efficient Infrastructure	166	182	192
0803	Mission Support through Organizational Excellence	106	118	123
0899	Total reimbursable obligations	492	541	565
0900	Total new obligations, unexpired accounts	494	552	576

Budgetary resources:				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1	143	167	123
1001	Discretionary unobligated balance brought fwd, Oct 1	43	70	.....
1021	Recoveries of prior year unpaid obligations	6	.....	.....
1033	Recoveries of prior year paid obligations	4	.....	.....
		<hr/>	<hr/>	<hr/>
1070	Unobligated balance (total)	153	167	123
Budget authority:				
Spending authority from offsetting collections, discretionary:				
1700	Collected	508	508	532
1900	Budget authority (total)	508	508	532
1930	Total budgetary resources available	661	675	655
Memorandum (non-add) entries:				
1941	Unexpired unobligated balance, end of year	167	123	79

FEDERAL ENERGY REGULATORY COMMISSION—Continued
Program and Financing—Continued

Identification code 089–0212–0–1–276	2023 actual	2024 est.	2025 est.
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	91	96	84
3010 New obligations, unexpired accounts	494	552	576
3020 Outlays (gross)	–483	–564	–541
3040 Recoveries of prior year unpaid obligations, unexpired	–6	.....	.....
3050 Unpaid obligations, end of year	96	84	119
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	91	96	84
3200 Obligated balance, end of year	96	84	119
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	508	508	532
Outlays, gross:			
4010 Outlays from new discretionary authority	358	457	479
4011 Outlays from discretionary balances	124	95	51
4020 Outlays, gross (total)	482	552	530
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–4	.....	.....
4034 Offsetting governmental collections	–508	–508	–532
4040 Offsets against gross budget authority and outlays (total)	–512	–508	–532
Additional offsets against gross budget authority only:			
4053 Recoveries of prior year paid obligations, unexpired accounts	4	.....	.....
4080 Outlays, net (discretionary)	–30	44	–2
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	1	12	11
4180 Budget authority, net (total) .....	.....	.....	.....
4190 Outlays, net (total)	–29	56	9
Memorandum (non-add) entries:			
5090 Unexpired unavailable balance, SOY: Offsetting collections	15	15	15
5092 Unexpired unavailable balance, EOY: Offsetting collections	15	15	15

The Federal Energy Regulatory Commission (FERC or the Commission) is an independent agency within the Department of Energy that regulates the transmission and wholesale sale of electricity and natural gas in interstate commerce, as well as the transportation of oil by pipelines in interstate commerce. FERC also reviews proposals to build interstate natural gas pipelines, natural gas storage projects, and liquefied natural gas (LNG) terminals, and FERC licenses non-federal hydropower projects. The Commission assists consumers in obtaining reliable, safe, secure, and economically efficient energy services at a reasonable cost through appropriate regulatory and market means, and collaborative efforts. Regulated entities pay fees and charges sufficient to recover the Commission's full cost of operations.

Ensure Just and Reasonable Rates, Terms, and Conditions.—FERC's regulations and orders ensure just and reasonable rates, terms, and conditions for jurisdictional services. In carrying out its regulatory role, FERC uses a range of ratemaking activities, as well as market oversight and enforcement. FERC's ratemaking activities leverage both regulatory and market means and involve the issuance of orders and the establishment of rules and policies. FERC's enforcement activities include both increasing compliance and detecting and deterring market manipulation.

Ensure Safe, Reliable, and Secure Infrastructure.—Infrastructure for which FERC approval is required includes interstate natural gas pipelines and storage projects, LNG facilities, and non-federal hydropower projects. In addition, the Commission has authority to site electric transmission facilities in certain circumstances.

FERC's regulatory role in reviewing proposed infrastructure projects involves balancing the benefits of a proposed project with its potential adverse impacts, including environmental concerns as well as impacts to landowners and communities. Additionally, FERC considers the minimization of risks to the public in the operation of the infrastructure project. To promote safe, reliable, and secure infrastructure, FERC ensures the sustainability and safety of non-federal hydropower projects and LNG facilities throughout their entire life cycle; oversees the development and review of, as well as compliance with, mandatory reliability and security standards for the Bulk-Power System; and helps to secure the Bulk-Power System from cyber and physical attacks. The Commission also protects FERC-jurisdictional energy infrastructure through collaboration and sharing of best practices.

Provide Mission Support through Organizational Excellence.—The public interest is best served when the Commission operates in an efficient, responsive, and transparent manner. The Commission pursues this goal by maintaining processes and providing services in accordance with governing statutes, authoritative guidance, and prevailing best practices. FERC addresses internal needs and enables organizational excellence by providing processes and services that help office leadership prioritize resource allocations, make prudent investments that directly benefit the agency's mission, and use Commission resources in an efficient manner. FERC makes investments in its people, information technology resources, and facilities.

The Commission promotes transparency and equity, open communication, and a high standard of ethics to facilitate trust and understanding of FERC's activities. FERC supports these goals by maintaining legal and other processes in accordance with the principles of due process, fairness, and integrity. FERC's communication with stakeholders fosters awareness and understanding of the Commission's activities. FERC considers matters involving environmental justice and equity consistent with its statutory authority. In particular, the Commission has a strong commitment to working with affected communities, including environmental justice communities and landowners who may be directly impacted by Commission decisions on jurisdictional infrastructure proposals. The Commission also promotes understanding, participation, and engagement with the public, stakeholders, Tribes, and jurisdictional entities. The Commission engages with the public through its Office of Public Participation.

Object Classification (in millions of dollars)

Identification code 089–0212–0–1–276	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	1	8	8
25.1 Advisory and assistance services	1	3	3
99.0 Direct obligations	2	11	11
99.0 Reimbursable obligations	491	541	564
99.5 Adjustment for rounding	1	.....	1
99.9 Total new obligations, unexpired accounts	494	552	576

Employment Summary

Identification code 089–0212–0–1–276	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	6	44	44
2001 Reimbursable civilian full-time equivalent employment	1,510	1,566	1,576

CLEAN COAL TECHNOLOGY

Program and Financing (in millions of dollars)

Identification code 089–0235–0–1–271	2023 actual	2024 est.	2025 est.
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	2	2	2
1930 Total budgetary resources available	2	2	2
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	2	2	2
4180 Budget authority, net (total) .....	.....	.....	.....
4190 Outlays, net (total) .....	.....	.....	.....

The Clean Coal Technology Program was established in the 1980s to perform commercial-scale demonstrations of advanced coal-based technologies. All projects have concluded and only closeout activities remain.

ULTRA-DEEPWATER AND UNCONVENTIONAL NATURAL GAS AND OTHER PETROLEUM
RESEARCH FUND

Program and Financing (in millions of dollars)

Identification code 089–5523–0–2–271	2023 actual	2024 est.	2025 est.
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	7	7	7
1930 Total budgetary resources available	7	7	7
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	7	7	7
4180 Budget authority, net (total) .....	.....	.....	.....
4190 Outlays, net (total) .....	.....	.....	.....

The Energy Policy Act of 2005 (Public Law 109–58) created a mandatory Ultra-Deepwater and Unconventional Natural Gas and Other Petroleum Research program beginning in 2007. Subtitle J of Title IX of the Energy Policy Act of 2005 (42 U.S.C. 16371 et seq.) was repealed and all unobligated balances in this account were rescinded by the Bipartisan Budget Control Act of 2013.

PAYMENTS TO STATES UNDER FEDERAL POWER ACT

Special and Trust Fund Receipts (in millions of dollars)

Identification code 089–5105–0–2–806	2023 actual	2024 est.	2025 est.
0100 Balance, start of year			
Receipts:			
Current law:			
1110 Licenses under Federal Power Act from Public Lands and National Forests, Payment to States (37 1/2%)	3	5	5
2000 Total: Balances and receipts	3	5	5
Appropriations:			
Current law:			
2101 Payments to States under Federal Power Act	–3	–5	–5
5099 Balance, end of year			

Program and Financing (in millions of dollars)

Identification code 089–5105–0–2–806	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Payments to States under Federal Power Act (Direct)	3	5	5
0900 Total new obligations, unexpired accounts (object class 41.0)	3	5	5
Budgetary resources:			
Budget authority:			
Appropriations, mandatory:			
1201 Appropriation (special or trust fund)	3	5	5
1930 Total budgetary resources available	3	5	5
Change in obligated balance:			
Unpaid obligations:			
3010 New obligations, unexpired accounts	3	5	5
3020 Outlays (gross)	–3	–5	–5

Budget authority and outlays, net:

Mandatory:			
4090 Budget authority, gross	3	5	5
Outlays, gross:			
4100 Outlays from new mandatory authority	3	5	5
4180 Budget authority, net (total)	3	5	5
4190 Outlays, net (total)	3	5	5

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

NORTHEAST HOME HEATING OIL RESERVE

For Department of Energy expenses necessary for Northeast Home Heating Oil Reserve storage, operation, and management activities pursuant to the Energy Policy and Conservation Act (42 U.S.C. 6201 et seq.), \$7,150,000, to remain available until expended.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Special and Trust Fund Receipts (in millions of dollars)

Identification code 089–5369–0–2–274	2023 actual	2024 est.	2025 est.
0100 Balance, start of year	1	1	1
2000 Total: Balances and receipts	1	1	1
5099 Balance, end of year	1	1	1

Program and Financing (in millions of dollars)

Identification code 089–5369–0–2–274	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 NEHHOR	6	7	7
0900 Total new obligations, unexpired accounts (object class 25.2)	6	7	7

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	6	7	7
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	7	7	7
1930 Total budgetary resources available	13	14	14
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	7	7	7

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	4	4	5
3010 New obligations, unexpired accounts	6	7	7
3020 Outlays (gross)	–6	–6	–7
3050 Unpaid obligations, end of year	4	5	5
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	4	4	5
3200 Obligated balance, end of year	4	5	5

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	7	7	7
Outlays, gross:			
4010 Outlays from new discretionary authority		1	1
4011 Outlays from discretionary balances	6	5	6
4020 Outlays, gross (total)	6	6	7
4180 Budget authority, net (total)	7	7	7
4190 Outlays, net (total)	6	6	7

The Northeast Home Heating Oil Reserve (NEHHOR) is a one- million- barrel supply of ultra-low sulfur distillate (diesel) that provides protection for consumers in the northeastern United States should a disruption in supplies occur.

NUCLEAR WASTE DISPOSAL

For Department of Energy expenses necessary for nuclear waste disposal activities to carry out the purposes of the Nuclear Waste Policy Act of 1982, Public Law 97–425, as amended, \$12,040,000, to remain available until expended, which shall be derived from the Nuclear Waste Fund.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Special and Trust Fund Receipts (in millions of dollars)

Identification code 089–5227–0–2–271	2023 actual	2024 est.	2025 est.
0100 Balance, start of year	45,583	47,218	49,305
Receipts:			
Current law:			
1130 Nuclear Waste Disposal Fund		378	378
1140 Earnings on Investments, Nuclear Waste Disposal Fund	1,649	1,723	1,798
1199 Total current law receipts	1,649	2,101	2,176
1999 Total receipts	1,649	2,101	2,176
2000 Total: Balances and receipts	47,232	49,319	51,481
Appropriations:			
Current law:			
2101 Nuclear Waste Disposal	–10	–10	–12
2101 Salaries and Expenses	–4	–4	–4
2199 Total current law appropriations	–14	–14	–16
2999 Total appropriations	–14	–14	–16
5099 Balance, end of year	47,218	49,305	51,465

Program and Financing (in millions of dollars)

Identification code 089–5227–0–2–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Interim Storage and Nuclear Waste Fund Oversight	24	12	12
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	22	8	6

NUCLEAR WASTE DISPOSAL—Continued
Program and Financing—Continued

Identification code 089-5227-0-2-271	2023 actual	2024 est.	2025 est.
Budget authority:			
Appropriations, discretionary:			
1101 Appropriation (special or trust) [Nuclear Waste Fund]	10	10	12
1930 Total budgetary resources available	32	18	18
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	8	6	6
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	11	21	6
3010 New obligations, unexpired accounts	24	12	12
3020 Outlays (gross)	-14	-27	-10
3050 Unpaid obligations, end of year	21	6	8
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	11	21	6
3200 Obligated balance, end of year	21	6	8
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	10	10	12
Outlays, gross:			
4010 Outlays from new discretionary authority	4	2	2
4011 Outlays from discretionary balances	10	25	8
4020 Outlays, gross (total)	14	27	10
4180 Budget authority, net (total)	10	10	12
4190 Outlays, net (total)	14	27	10
Memorandum (non-add) entries:			
5000 Total investments, SOY: Federal securities: Par value	56,632	60,458	62,528
5001 Total investments, EOY: Federal securities: Par value	60,458	62,528	64,690

The mission of the Nuclear Waste Fund Oversight program is to ensure the continued safety of the Yucca Mountain site through activities such as security, maintenance, and environmental requirements, and continued oversight for the Nuclear Waste Fund including the fiduciary responsibility under the Nuclear Waste Policy Act of 1982.

Object Classification (in millions of dollars)

Identification code 089-5227-0-2-271	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent	3	3	3
11.9 Total personnel compensation	3	3	3
12.1 Civilian personnel benefits	1	1	1
25.1 Advisory and assistance services	1	.....	.....
25.3 Other goods and services from Federal sources	1	.....	.....
25.4 Operation and maintenance of facilities	4	1	1
41.0 Grants, subsidies, and contributions	14	7	7
99.9 Total new obligations, unexpired accounts	24	12	12

Employment Summary

Identification code 089-5227-0-2-271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	28	24	25

Special and Trust Fund Receipts (in millions of dollars)

Identification code 089-5231-0-2-271	2023 actual	2024 est.	2025 est.
0100 Balance, start of year	589	955	690
Receipts:			
Current law:			
1140 Earnings on Investments, Decontamination and Decommissioning Fund	42	28	15
1140 General Fund Payment - Defense, Decontamination and Decommissioning Fund	586	586	385
1199 Total current law receipts	628	614	400
1999 Total receipts	628	614	400
2000 Total: Balances and receipts	1,217	1,569	1,090
Appropriations:			
Current law:			
2101 Uranium Enrichment Decontamination and Decommissioning Fund	-262	-879	-854
5099 Balance, end of year	955	690	236

Program and Financing (in millions of dollars)

Identification code 089-5231-0-2-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Oak Ridge	94	93	65
0002 Paducah	303	240	240
0003 Portsmouth	424	500	513
0004 Pension and Community and Regulatory Support	51	31	31
0005 Title X Uranium/Thorium Reimbursement Program	15	15	5
0900 Total new obligations, unexpired accounts	887	879	854
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	9	8	8
1021 Recoveries of prior year unpaid obligations	8	.....	.....
1070 Unobligated balance (total)	17	8	8
Budget authority:			
Appropriations, discretionary:			
1101 Appropriation (special or trust)	262	879	854
Spending authority from offsetting collections, discretionary:			
1711 Spending authority from offsetting collections transferred from other accounts [486-4054]	616	.....	.....
1900 Budget authority (total)	878	879	854
1930 Total budgetary resources available	895	887	862
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	8	8	8
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	266	228	256
3010 New obligations, unexpired accounts	887	879	854
3020 Outlays (gross)	-917	-851	-862
3040 Recoveries of prior year unpaid obligations, unexpired	-8	.....	.....
3050 Unpaid obligations, end of year	228	256	248
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	266	228	256
3200 Obligated balance, end of year	228	256	248
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	878	879	854
Outlays, gross:			
4010 Outlays from new discretionary authority	678	615	598
4011 Outlays from discretionary balances	239	236	264
4020 Outlays, gross (total)	917	851	862
4180 Budget authority, net (total)	878	879	854
4190 Outlays, net (total)	917	851	862
Memorandum (non-add) entries:			
5000 Total investments, SOY: Federal securities: Par value	771	1,112	690
5001 Total investments, EOY: Federal securities: Par value	1,112	690	229

Decontamination and Decommissioning Activities.—Funds: 1) projects to decontaminate, decommission, and remediate the sites and facilities of the gaseous diffusion plants at Portsmouth, Ohio; Paducah, Kentucky; and East Tennessee Technology Park, Oak Ridge, Tennessee and; 2) pensions and post-retirement medical benefits for active and inactive gaseous diffusion plant workers.

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

For Department of Energy expenses necessary 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, \$854,182,000, to be derived from the Uranium Enrichment Decontamination and Decommissioning Fund, to remain available until expended, of which \$5,000,000 shall be available in accordance with title X, subtitle A, of the Energy Policy Act of 1992.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Uranium and Thorium Reimbursement Program.—Provides reimbursement to uranium and thorium licensees for the Government's share of cleanup costs pursuant to Title X of the Energy Policy Act of 1992.

Object Classification (in millions of dollars)

Identification code 089-5231-0-2-271	2023 actual	2024 est.	2025 est.
Direct obligations:			
25.2 Other services from non-Federal sources	16	16	15
25.4 Operation and maintenance of facilities	818	811	788
32.0 Land and structures	51	50	49
41.0 Grants, subsidies, and contributions	2	2	2
99.9 Total new obligations, unexpired accounts	887	879	854

ISOTOPE PRODUCTION AND DISTRIBUTION PROGRAM FUND**Program and Financing** (in millions of dollars)

Identification code 089-4180-0-3-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0801 Isotope Production and Distribution Reimbursable program	458	473	484
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	28	67	67
1001 Discretionary unobligated balance brought fwd, Oct 1	28		
Budget authority:			
Spending authority from offsetting collections, discretionary:			
1700 Collected	339	473	484
Spending authority from offsetting collections, mandatory:			
1800 Collected	158		
1900 Budget authority (total)	497	473	484
1930 Total budgetary resources available	525	540	551
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	67	67	67
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	130	422	422
3010 New obligations, unexpired accounts	458	473	484
3020 Outlays (gross)	-166	-473	-484
3050 Unpaid obligations, end of year	422	422	422
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	130	422	422
3200 Obligated balance, end of year	422	422	422
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	339	473	484
Outlays, gross:			
4010 Outlays from new discretionary authority	43	142	145
4011 Outlays from discretionary balances	115	331	339
4020 Outlays, gross (total)	158	473	484
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	-295	-305	-312
4033 Non-Federal sources	-3	-168	-172
4034 Offsetting governmental collections	-41		
4040 Offsets against gross budget authority and outlays (total)	-339	-473	-484
4080 Outlays, net (discretionary)	-181		
Mandatory:			
4090 Budget authority, gross	158		
Outlays, gross:			
4101 Outlays from mandatory balances	8		
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4120 Federal sources	-158		
4180 Budget authority, net (total)			
4190 Outlays, net (total)	-331		

Object Classification (in millions of dollars)

Identification code 089-4180-0-3-271	2023 actual	2024 est.	2025 est.
Reimbursable obligations:			
25.4 Operation and maintenance of facilities	225	225	225
31.0 Equipment	208	220	223
32.0 Land and structures	14	17	25

41.0	Grants, subsidies, and contributions	11	11	11
99.0	Reimbursable obligations	458	473	484
99.9	Total new obligations, unexpired accounts	458	473	484

ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PROGRAM

For Department of Energy administrative expenses necessary in carrying out the Advanced Technology Vehicles Manufacturing Loan Program, \$27,508,000, to remain available until September 30, 2026.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-0322-0-1-272	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0701 Direct loan subsidy	449	616	1,188
0709 Administrative expenses	16	25	32
0791 Direct program activities, subtotal	465	641	1,220
0900 Total new obligations, unexpired accounts	465	641	1,220
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	5,291	4,836	4,205
1001 Discretionary unobligated balance brought fwd, Oct 1	2,291	2,292	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	10	10	28
1900 Budget authority (total)	10	10	28
1930 Total budgetary resources available	5,301	4,846	4,233
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	4,836	4,205	3,013
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	139	533	833
3010 New obligations, unexpired accounts	465	641	1,220
3020 Outlays (gross)	-71	-341	-577
3050 Unpaid obligations, end of year	533	833	1,476
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	139	533	833
3200 Obligated balance, end of year	533	833	1,476
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	10	10	28
Outlays, gross:			
4010 Outlays from new discretionary authority	7	8	21
4011 Outlays from discretionary balances	61	81	3
4020 Outlays, gross (total)	68	89	24
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	3	252	553
4180 Budget authority, net (total)	10	10	28
4190 Outlays, net (total)	71	341	577

Summary of Loan Levels, Subsidy Budget Authority and Outlays by Program (in millions of dollars)

Identification code 089-0322-0-1-272	2023 actual	2024 est.	2025 est.
Direct loan levels supportable by subsidy budget authority:			
115001 Advanced Vehicle Manufacturing Loans	13,313	7,087	11,682
Direct loan subsidy (in percent):			
132001 Advanced Vehicle Manufacturing Loans	3.38	8.69	10.17
132999 Weighted average subsidy rate	3.38	8.69	10.17
Direct loan subsidy budget authority:			
133001 Advanced Vehicle Manufacturing Loans	449	616	1,188
Direct loan subsidy outlays:			
134001 Advanced Vehicle Manufacturing Loans	57	315	547
Direct loan reestimates:			
135001 Advanced Vehicle Manufacturing Loans	-81	-162	

ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PROGRAM—Continued

Summary of Loan Levels, Subsidy Budget Authority and Outlays by Program—Continued

Identification code 089–0322–0–1–272	2023 actual	2024 est.	2025 est.
Administrative expense data:			
3510 Budget authority	10	10	28
3580 Outlays from balances	7	12	9
3590 Outlays from new authority	7	8	21

Section 136 of the Energy Independence and Security Act of 2007 (EISA) established a direct loan program to support the development of advanced technology vehicles and associated components in the United States, known as the Advanced Technology Vehicles Manufacturing (ATVM) Loan Program. The ATVM Loan Program provides loans to advanced technology vehicle and components manufacturers for the cost of reequipping, expanding, or establishing manufacturing facilities in the United States to produce advanced technology vehicles or qualified components and for associated engineering integration costs.

The Consolidated Security, Disaster, Assistance, and Continuing Appropriation Act of 2009 appropriated \$7.5 billion for credit subsidy costs to support a maximum of \$25 billion in loans under the ATVM Loan Program. Per EISA subsection (d)(1), the full credit subsidy cost must be paid using appropriated funds. The Infrastructure Investment and Jobs Act authorized an expanded scope of eligible ATVM projects, including medium- and heavy-duty vehicles, locomotives, maritime vessels, aircraft, and hyperloop technology. The Inflation Reduction Act appropriated \$3 billion in credit subsidy and removed the \$25 billion cap in loan authority. Currently, the program has \$4.6 billion in unobligated credit subsidy available to support new projects.

In 2025, LPO requests \$27.5 million for administrative expenses to originate ATVM direct loans and monitor the program's growing portfolio.

Object Classification (in millions of dollars)

Identification code 089–0322–0–1–272	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	4	7	8
12.1 Civilian personnel benefits	2	3	4
25.1 Advisory and assistance services	8	12	16
25.2 Other services from non-Federal sources	1	1	1
25.3 Other goods and services from Federal sources	1	1	1
25.4 Operation and maintenance of facilities .....	.....	1	2
41.0 Grants, subsidies, and contributions	449	616	1,188
99.0 Direct obligations	465	641	1,220
99.9 Total new obligations, unexpired accounts	465	641	1,220

Employment Summary

Identification code 089–0322–0–1–272	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	28	49	55

ADVANCED TECHNOLOGY VEHICLES MANUFACTURING DIRECT LOAN FINANCING ACCOUNT

Program and Financing (in millions of dollars)

Identification code 089–4579–0–3–272	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0710 Direct loan obligations	13,313	7,087	11,682
0715 Interest paid to FFB	9	9	150
0742 Downward reestimates paid to receipt accounts	59	158	.....
0743 Interest on downward reestimates	22	4	.....
0900 Total new obligations, unexpired accounts	13,403	7,258	11,832
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	217	605	1,164
Financing authority:			
Borrowing authority, mandatory:			
1400 Borrowing authority	13,313	7,087	11,682
Spending authority from offsetting collections, mandatory:			
1800 Collected	86	429	1,012
1801 Change in uncollected payments, Federal sources	392	301	641
1850 Spending auth from offsetting collections, mand (total)	478	730	1,653
1900 Budget authority (total)	13,791	7,817	13,335
1930 Total budgetary resources available	14,008	8,422	14,499

1941	Memorandum (non-add) entries:			
	Unexpired unobligated balance, end of year	605	1,164	2,667
	Change in obligated balance:			
	Unpaid obligations:			
3000	Unpaid obligations, brought forward, Oct 1	2,598	14,846	15,168
3010	New obligations, unexpired accounts	13,403	7,258	11,832
3020	Outlays (gross)	–1,155	–6,936	–10,499
3050	Unpaid obligations, end of year	14,846	15,168	16,501
	Uncollected payments:			
3060	Uncollected pymts, Fed sources, brought forward, Oct 1	–136	–528	–829
3070	Change in uncollected pymts, Fed sources, unexpired	–392	–301	–641
3090	Uncollected pymts, Fed sources, end of year	–528	–829	–1,470
	Memorandum (non-add) entries:			
3100	Obligated balance, start of year	2,462	14,318	14,339
3200	Obligated balance, end of year	14,318	14,339	15,031

Financing authority and disbursements, net:

4090	Mandatory:			
	Budget authority, gross	13,791	7,817	13,335
4110	Financing disbursements:			
	Outlays, gross (total)	1,155	6,936	10,499
	Offsets against gross financing authority and disbursements:			
	Offsetting collections (collected) from:			
4120	Payment from program account	–58	–315	–547
4122	Interest on uninvested funds	–4	–1	–9
4123	Non-Federal sources (interest)	–24	–93	–329
4123	Non-Federal sources (principal) .....	.....	.....	–115
4123	Other income – Fees .....	.....	–20	–12
4130	Offsets against gross budget authority and outlays (total)	–86	–429	–1,012
	Additional offsets against financing authority only (total):			
4140	Change in uncollected pymts, Fed sources, unexpired	–392	–301	–641
4160	Budget authority, net (mandatory)	13,313	7,087	11,682
4170	Outlays, net (mandatory)	1,069	6,507	9,487
4180	Budget authority, net (total)	13,313	7,087	11,682
4190	Outlays, net (total)	1,069	6,507	9,487

Status of Direct Loans (in millions of dollars)

Identification code 089–4579–0–3–272	2023 actual	2024 est.	2025 est.
Position with respect to appropriations act limitation on obligations:			
1121 Limitation available from carry-forward	13,313	7,087	11,682
1150 Total direct loan obligations	13,313	7,087	11,682
Cumulative balance of direct loans outstanding:			
1210 Outstanding, start of year .....	.....	1,067	7,841
1231 Disbursements: Direct loan disbursements	1,066	6,766	10,349
1251 Repayments: Repayments and prepayments .....	.....	.....	–115
1261 Adjustments: Capitalized interest	1	8	18
1264 Other adjustments, re-establish receivable written off .....	.....	.....	–4
1290 Outstanding, end of year	1,067	7,841	18,089

Balance Sheet (in millions of dollars)

Identification code 089–4579–0–3–272	2022 actual	2023 actual
ASSETS:		
Federal assets:		
1101 Fund balances with Treasury	81	77
1106 Investments in U.S. securities:		
Receivables, net .....	.....	.....
Net value of assets related to post-1991 direct loans receivable:		
1401 Direct loans receivable, gross .....	.....	1,067
1402 Interest receivable .....	.....	2
1405 Allowance for subsidy cost (–) .....	.....	84
1499 Net present value of assets related to direct loans .....	.....	1,153
1999 Total assets	81	1,230
LIABILITIES:		
Federal liabilities:		
2101 Accounts payable .....	.....	.....
2103 Debt .....	.....	1,066
2105 Other	81	164
2999 Total liabilities	81	1,230
NET POSITION:		
3300 Cumulative results of operations .....	.....	.....

4999 Total upward reestimate subsidy BA [89–0322] 81 1,230

TITLE 17 INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM

Such sums as are derived from amounts received from borrowers pursuant to section 1702(b) of the Energy Policy Act of 2005 under this heading in prior Acts, shall be collected in accordance with section 502(7) of the Congressional Budget Act of 1974: Provided, That for necessary administrative expenses of the Title 17 Innovative Technology Loan Guarantee Program, as authorized, \$55,000,000 is appropriated, to remain available until September 30, 2026: Provided further, That up to \$55,000,000 of fees collected in fiscal year 2025 pursuant to section 1702(h) of the Energy Policy Act of 2005 shall be credited as offsetting collections under this heading and used for necessary administrative expenses in this appropriation and shall remain available until September 30, 2026: Provided further, That to the extent that fees collected in fiscal year 2025 exceed \$55,000,000, those excess amounts shall be credited as offsetting collections under this heading and available in future fiscal years only to the extent provided in advance in appropriations Acts: Provided further, That the sum herein appropriated from the general fund shall be reduced (1) as such fees are received during fiscal year 2025 (estimated at \$239,558,000) and (2) to the extent that any remaining general fund appropriations can be derived from fees collected in previous fiscal years that are not otherwise appropriated, so as to result in a final fiscal year 2025 appropriation from the general fund estimated at \$0: Provided further, That the Department of Energy shall not subordinate any loan obligation to other financing in violation of section 1702 of the Energy Policy Act of 2005 or subordinate any Guaranteed Obligation to any loan or other debt obligations in violation of section 609.8 of title 10, Code of Federal Regulations.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0208–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0701 Direct loan subsidy	14	555	3,327
0702 Loan guarantee subsidy	6	.....	360
0709 Administrative expenses	52	91	55
0709 Administrative expenses	27	32	31
0709 Administrative expenses	4	25	40
0900 Total new obligations, unexpired accounts	103	703	3,813
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	8,868	8,683	8,046
1001 Discretionary unobligated balance brought fwd, Oct 1	268	.....	.....
1021 Recoveries of prior year unpaid obligations	2	.....	.....
1070 Unobligated balance (total)	8,870	8,683	8,046
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	47	.....	.....
1131 Unobligated balance of appropriations permanently reduced	–150	.....	.....
1160 Appropriation, discretionary (total)	–103	.....	.....
Spending authority from offsetting collections, discretionary:			
1700 Collected	19	138	240
1724 Spending authority from offsetting collections precluded from obligation (limitation on obligations) .....	.....	–72	–185
1750 Spending auth from offsetting collections, disc (total)	19	66	55
1900 Budget authority (total)	–84	66	55
1930 Total budgetary resources available	8,786	8,749	8,101
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	8,683	8,046	4,288
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	29	66	504
3010 New obligations, unexpired accounts	103	703	3,813
3020 Outlays (gross)	–63	–265	–1,173
3040 Recoveries of prior year unpaid obligations, unexpired	–2	.....	.....
3041 Recoveries of prior year unpaid obligations, expired	–1	.....	.....
3050 Unpaid obligations, end of year	66	504	3,144
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	29	66	504
3200 Obligated balance, end of year	66	504	3,144

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	–84	66	55
Outlays, gross:			
4010 Outlays from new discretionary authority	23	50	41
4011 Outlays from discretionary balances	24	62	23
4020 Outlays, gross (total)	47	112	64
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4033 Non-Federal sources	–19	–138	–240
4040 Offsets against gross budget authority and outlays (total)	–19	–138	–240
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	16	153	1,109
4180 Budget authority, net (total)	–103	–72	–185
4190 Outlays, net (total)	44	127	933

Memorandum (non-add) entries:

5090 Unexpired unavailable balance, SOY: Offsetting collections .....	.....	.....	72
5092 Unexpired unavailable balance, EOY: Offsetting collections	72	.....	257

Summary of Loan Levels, Subsidy Budget Authority and Outlays by Program (in millions of dollars)

Identification code 089–0208–0–1–271	2023 actual	2024 est.	2025 est.
Direct loan levels supportable by subsidy budget authority:			
115001 Section 1703 FFB Loans	374	19,123	6,866
115004 Section 1706 FFB Loans .....	.....	1,000	28,560
115999 Total direct loan levels	374	20,123	35,426
Direct loan subsidy (in percent):			
132001 Section 1703 FFB Loans	3.73	2.67	17.62
132004 Section 1706 FFB Loans .....	.....	4.43	7.41
132999 Weighted average subsidy rate	3.73	2.76	9.39
Direct loan subsidy budget authority:			
133001 Section 1703 FFB Loans	14	511	1,210
133004 Section 1706 FFB Loans .....	.....	44	2,116
133999 Total subsidy budget authority	14	555	3,326
Direct loan subsidy outlays:			
134001 Section 1703 FFB Loans	–15	79	621
134004 Section 1706 FFB Loans .....	.....	7	362
134999 Total subsidy outlays	–15	86	983
Direct loan reestimates:			
135001 Section 1703 FFB Loans	–98	–158	.....
135002 Section 1705 FFB Loans	–111	–3	.....
135999 Total direct loan reestimates	–209	–161	.....
Guaranteed loan levels supportable by subsidy budget authority:			
215001 Section 1703 Loan Guarantees	3,333	.....	1,906
215999 Total loan guarantee levels	3,333	.....	1,906
Guaranteed loan subsidy (in percent):			
232001 Section 1703 Loan Guarantees	0.17	.....	18.87
232999 Weighted average subsidy rate	0.17	.....	18.87
Guaranteed loan subsidy budget authority:			
233001 Section 1703 Loan Guarantees	6	.....	360
233999 Total subsidy budget authority	6	.....	360
Guaranteed loan subsidy outlays:			
234001 Section 1703 Loan Guarantees .....	.....	2	57
234999 Total subsidy outlays .....	.....	2	57
Guaranteed loan reestimates:			
235002 Section 1705 Loan Guarantees	–15	–10	.....
235999 Total guaranteed loan reestimates	–15	–10	.....
Administrative expense data:			
3510 Budget authority	47	66	55
3580 Outlays from balances	37	.....	.....
3590 Outlays from new authority	20	.....	.....

Under the Title 17 Clean Energy Financing Program (Title 17), LPO can finance projects in the United States that support clean energy deployment and energy infrastructure reinvestment to reduce greenhouse gas emissions and air pollution. Title 17 was created by the Energy Policy Act of 2005 and has since been amended, most recently by the Infrastructure Investment and Jobs Act (IIJA) in 2021 and the Inflation Reduction Act (IRA) in 2022.

There are four project categories within the Title 17 Clean Energy Financing Program: 1) Innovative Energy, financing for projects that deploy New or Significantly Improved Technology that is technically proven but not yet widely commercialized in the United States; 2) Innovative Supply Chain, financing for projects that employ a new or significantly improved technology in the manufacturing process for a qualifying clean energy technology or for projects

TITLE 17 INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM—Continued

that manufacture a new or significantly improved technology; 3) State Energy Financing Institution (SEFI)-Supported Projects, financing for projects that support deployment of qualifying clean energy technology and receive meaningful financial support or credit enhancements from an entity within a state agency or financing authority; and 4) Energy Infrastructure Reinvestment (EIR), financing for projects that retool, repower, repurpose, or replace energy infrastructure that has ceased operations or upgrade operating energy infrastructure to avoid, reduce, utilize, or sequester air pollutants or greenhouse gas emissions.

Through Title 17, the Loan Programs Office (LPO) provides access to debt capital for high-impact, large-scale infrastructure projects and commercial-scale deployments in the United States. Eligible projects must meet air pollutant or greenhouse gases emissions requirements; offer a reasonable prospect of repayment of the principal and interest on the guaranteed obligation; and meet additional eligibility requirements specific to the appropriate project category. Through the Title 17 Clean Energy Financing Program, borrowers can access direct loans from U.S. Treasury's Federal Financing Bank (FFB) backed by 100% full faith and credit DOE guarantees or DOE partial guarantees of commercial debt.

The IRA authorized up to \$40 billion of loan authority and appropriated \$3.6 billion to support the first three project categories (or Section 1703) described above, and unlocked the IJA-expanded authorities.

The IRA also authorized up to \$250 billion of loan authority and appropriated \$5.0 billion to support the EIR program, the fourth project category described above (Section 1706). The 2025 Budget does not request new appropriations for EIR. LPO will continue implementing EIR using IRA funding.

The 2025 Budget requests \$55,000,000 for administrative expenses to operate the Title 17 program. The Department estimates that \$239,558,000 will be received from fees pursuant to Section 1702(h) of the Energy Policy Act of 2005 and credited as offsetting collection.

Object Classification (in millions of dollars)

Identification code 089–0208–0–1–271	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent	17	22	22
11.9 Total personnel compensation	17	22	22
12.1 Civilian personnel benefits	5	5	6
21.0 Travel and transportation of persons	1	2	2
23.3 Communications, utilities, and miscellaneous charges	1	1	1
25.1 Advisory and assistance services	57	106	86
25.2 Other services from non-Federal sources .....	.....	3	1
25.3 Other goods and services from Federal sources	1	3	3
25.4 Operation and maintenance of facilities .....	.....	5	4
26.0 Supplies and materials	1	1	1
41.0 Grants, subsidies, and contributions	20	555	3,687
99.0 Direct obligations	103	703	3,813
99.9 Total new obligations, unexpired accounts	103	703	3,813

Employment Summary

Identification code 089–0208–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	105	162	174

TITLE 17 INNOVATIVE TECHNOLOGY DIRECT LOAN FINANCING ACCOUNT

Program and Financing (in millions of dollars)

Identification code 089–4455–0–3–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0710 Direct loan obligations	374	20,123	35,426
0713 Payment of interest to Treasury	19	16	.....
0715 Interest paid to FFB	395	390	504
0742 Downward reestimates paid to receipt accounts	163	142	.....
0743 Interest on downward reestimates	46	19	.....
0900 Total new obligations, unexpired accounts	997	20,690	35,930
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	632	519	1,372
1023 Unobligated balances applied to repay debt	–214	.....	.....
1070 Unobligated balance (total)	418	519	1,372
Financing authority:			
Borrowing authority, mandatory:			
1400 Borrowing authority	433	20,127	35,426
Spending authority from offsetting collections, mandatory:			
1800 Collected	981	954	1,905

1801 Change in uncollected payments, Federal sources	14	462	2,341
1825 Spending authority from offsetting collections applied to repay debt	–330	.....	.....
1850 Spending auth from offsetting collections, mand (total)	665	1,416	4,246
1900 Budget authority (total)	1,098	21,543	39,672
1930 Total budgetary resources available	1,516	22,062	41,044
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	519	1,372	5,114

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	862	633	17,264
3010 New obligations, unexpired accounts	997	20,690	35,930
3020 Outlays (gross)	–1,226	–4,059	–23,168
3050 Unpaid obligations, end of year	633	17,264	30,026
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1 .....	.....	–14	–476
3070 Change in uncollected pymts, Fed sources, unexpired	–14	–462	–2,341
3090 Uncollected pymts, Fed sources, end of year	–14	–476	–2,817
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	862	619	16,788
3200 Obligated balance, end of year	619	16,788	27,209

Financing authority and disbursements, net:

Mandatory:			
4090 Budget authority, gross	1,098	21,543	39,672
Financing disbursements:			
4110 Outlays, gross (total)	1,226	4,059	23,168
Offsets against gross financing authority and disbursements:			
Offsetting collections (collected) from:			
4120 Payment from program account .....	.....	–93	–986
4122 Interest on uninvested funds	–25	–14	–18
4123 Interest payments	–522	–470	–502
4123 Principal payments	–432	–377	–399
4123 Fees	–2	.....	.....
4130 Offsets against gross budget authority and outlays (total)	–981	–954	–1,905
Additional offsets against financing authority only (total):			
4140 Change in uncollected pymts, Fed sources, unexpired	–14	–462	–2,341
4160 Budget authority, net (mandatory)	103	20,127	35,426
4170 Outlays, net (mandatory)	245	3,105	21,263
4180 Budget authority, net (total)	103	20,127	35,426
4190 Outlays, net (total)	245	3,105	21,263

Status of Direct Loans (in millions of dollars)

Identification code 089–4455–0–3–271	2023 actual	2024 est.	2025 est.
Position with respect to appropriations act limitation on obligations:			
1121 Limitation available from carry-forward	326,942	326,568	306,445
1143 Unobligated limitation carried forward (P.L.) (-)	–326,568	–306,445	–271,019
1150 Total direct loan obligations	374	20,123	35,426
Cumulative balance of direct loans outstanding:			
1210 Outstanding, start of year	15,682	15,782	18,876
1231 Disbursements: Direct loan disbursements	588	3,484	22,661
1251 Repayments: Repayments and prepayments	–432	–377	–399
1261 Adjustments: Capitalized interest	4	28	323
1264 Other adjustments, net (+ or -) [Payment of capitalized interest]	–60	–41	–40
1290 Outstanding, end of year	15,782	18,876	41,421

Balance Sheet (in millions of dollars)

Identification code 089–4455–0–3–271	2022 actual	2023 actual
ASSETS:		
Federal assets:		
1101 Fund balances with Treasury	632	506
Investments in U.S. securities:		
1106 Receivables, net	13	32
1206 Non-Federal assets: Receivables, net	12	12
Net value of assets related to post-1991 direct loans receivable:		
1401 Direct loans receivable, gross	15,682	15,782
1402 Interest receivable	72	79
1405 Allowance for subsidy cost (-)	–311	–251
1499 Net present value of assets related to direct loans	15,443	15,610
1999 Total assets	16,100	16,160
LIABILITIES:		
Federal liabilities:		
2103 Debt	15,907	16,026

2105	Other	193	134
2999	Total liabilities	16,100	16,160
NET POSITION:			
3300	Cumulative results of operations		
4999	Total liabilities and net position	16,100	16,160

**CARBON DIOXIDE TRANSPORTATION INFRASTRUCTURE FINANCE AND INNOVATION
DIRECT LOAN FINANCING ACCOUNT**

Program and Financing (in millions of dollars)

Identification code 089-4381-0-3-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0710 Direct loan obligations		3,115	5,445
0715 Other - Interest Paid to FFB			18
0900 Total new obligations, unexpired accounts		3,115	5,463
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1			305
Financing authority:			
Borrowing authority, mandatory:			
1400 Borrowing authority		3,115	5,445
Spending authority from offsetting collections, mandatory:			
1800 Collected		49	361
1801 Change in uncollected payments, Federal sources		256	244
1850 Spending auth from offsetting collections, mand (total)		305	605
1900 Budget authority (total)		3,420	6,050
1930 Total budgetary resources available		3,420	6,355
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year		305	892
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1			2,637
3010 New obligations, unexpired accounts		3,115	5,463
3020 Outlays (gross)		-478	-3,491
3050 Unpaid obligations, end of year		2,637	4,609
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1			-256
3070 Change in uncollected pymts, Fed sources, unexpired		-256	-244
3090 Uncollected pymts, Fed sources, end of year		-256	-500
Memorandum (non-add) entries:			
3100 Obligated balance, start of year			2,381
3200 Obligated balance, end of year		2,381	4,109
Financing authority and disbursements, net:			
Mandatory:			
4090 Budget authority, gross		3,420	6,050
Financing disbursements:			
4110 Outlays, gross (total)		478	3,491
Offsets against gross financing authority and disbursements:			
Offsetting collections (collected) from:			
4120 Federal sources		-46	-347
4122 Interest on uninvested funds			-2
4123 Non-Federal sources		-3	-12
4130 Offsets against gross budget authority and outlays (total)		-49	-361
Additional offsets against financing authority only (total):			
4140 Change in uncollected pymts, Fed sources, unexpired		-256	-244
4160 Budget authority, net (mandatory)		3,115	5,445
4170 Outlays, net (mandatory)		429	3,130
4180 Budget authority, net (total)		3,115	5,445
4190 Outlays, net (total)		429	3,130

Status of Direct Loans (in millions of dollars)

Identification code 089-4381-0-3-271	2023 actual	2024 est.	2025 est.
Position with respect to appropriations act limitation on obligations:			
1111 Direct loan obligations from current-year authority		3,115	5,445
1150 Total direct loan obligations		3,115	5,445
Cumulative balance of direct loans outstanding:			
1210 Outstanding, start of year			487

1231 Disbursements: Direct loan disbursements	478	3,473
1261 Adjustments: Capitalized interest	9	89
1290 Outstanding, end of year	487	4,049

**CARBON DIOXIDE TRANSPORTATION INFRASTRUCTURE FINANCE AND INNOVATION
PROGRAM ACCOUNT**

Program and Financing (in millions of dollars)

Identification code 089-2300-0-1-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0701 Direct loan subsidy		302	591
0709 Administrative expenses	2	14	14
0715 Grants		300	
0900 Total new obligations, unexpired accounts	2	616	605
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	2	2,093	1,477
Budget authority:			
Appropriations, discretionary:			
Advance appropriations, discretionary:			
1170 Advance appropriation	2,097		
1172 Advance appropriations transferred to other accounts [089-0236]	-2		
1172 Advance appropriations transferred to other accounts [089-0228]	-2		
1180 Advanced appropriation, discretionary (total)	2,093		
1900 Budget authority (total)	2,093		
1930 Total budgetary resources available	2,095	2,093	1,477
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	2,093	1,477	872
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1		1	263
3010 New obligations, unexpired accounts	2	616	605
3020 Outlays (gross)	-1	-354	-355
3050 Unpaid obligations, end of year	1	263	513
Memorandum (non-add) entries:			
3100 Obligated balance, start of year		1	263
3200 Obligated balance, end of year	1	263	513
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	2,093		
Outlays, gross:			
4011 Outlays from discretionary balances	1	354	355
4180 Budget authority, net (total)	2,093		
4190 Outlays, net (total)	1	354	355

Summary of Loan Levels, Subsidy Budget Authority and Outlays by Program (in millions of dollars)

Identification code 089-2300-0-1-271	2023 actual	2024 est.	2025 est.
Direct loan levels supportable by subsidy budget authority:			
115001 CO2 Transportation Infrastructure Direct Loans		3,115	5,445
Direct loan subsidy (in percent):			
132001 CO2 Transportation Infrastructure Direct Loans		9.70	10.86
132999 Weighted average subsidy rate	0.00	9.70	10.86
Direct loan subsidy budget authority:			
133001 CO2 Transportation Infrastructure Direct Loans		302	591
Direct loan subsidy outlays:			
134001 CO2 Transportation Infrastructure Direct Loans		46	347
Administrative expense data:			
3510 Budget authority	36		
3580 Outlays from balances	1	8	8

The Carbon Dioxide Transportation Infrastructure Finance and Innovation (CIFIA) Program, established in the Bipartisan Infrastructure Law (Infrastructure Investment and Jobs Act, P.L. 117-58), is authorized to provide loans, loan guarantees, and grants for carbon dioxide transport infrastructure projects. CIFIA supports the manufacturing and expansion of common carrier carbon dioxide transportation infrastructure and associated components, including pipeline, shipping, rail, and other transportation infrastructure. The Office of Fossil Energy and Carbon

CARBON DIOXIDE TRANSPORTATION INFRASTRUCTURE FINANCE AND INNOVATION
PROGRAM ACCOUNT—Continued

Management oversees the CIFIA program, in consultation and coordination with DOE's Loan Programs Office.

Object Classification (in millions of dollars)

Identification code 089–2300–0–1–271	2023 actual	2024 est.	2025 est.
11.1 Direct obligations: Personnel compensation: Full-time permanent		2	2
11.9 Total personnel compensation		2	2
25.1 Advisory and assistance services	1	11	11
41.0 Grants, subsidies, and contributions		602	591
99.0 Direct obligations	1	615	604
99.5 Adjustment for rounding	1	1	1
99.9 Total new obligations, unexpired accounts	2	616	605

Employment Summary

Identification code 089–2300–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	5	14	14

TRIBAL ENERGY LOAN GUARANTEE PROGRAM

For Department of Energy administrative expenses necessary in carrying out the Tribal Energy Loan Guarantee Program, \$6,300,000, to remain available until September 30, 2026.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0350–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0701 Direct loan subsidy			7
0702 Loan guarantee subsidy			2
0709 Administrative expenses	3	3	6
0709 Administrative expenses	1	3	
0791 Direct program activities, subtotal	4	6	15
0900 Total new obligations, unexpired accounts	4	6	15

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	86	86	84
1001 Discretionary unobligated balance brought fwd, Oct 1	11	12	
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	4	4	6
1900 Budget authority (total)	4	4	6
1930 Total budgetary resources available	90	90	90
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	86	84	75

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	1	2	3
3010 New obligations, unexpired accounts	4	6	15
3020 Outlays (gross)	–3	–5	–8
3050 Unpaid obligations, end of year	2	3	10
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	1	2	3
3200 Obligated balance, end of year	2	3	10

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	4	4	6
Outlays, gross:			
4010 Outlays from new discretionary authority		2	5
4011 Outlays from discretionary balances	2	1	
4020 Outlays, gross (total)	2	3	5

Mandatory:

Outlays, gross:			
4101 Outlays from mandatory balances	1	2	3
4180 Budget authority, net (total)	4	4	6
4190 Outlays, net (total)	3	5	8

Summary of Loan Levels, Subsidy Budget Authority and Outlays by Program (in millions of dollars)

Identification code 089–0350–0–1–271	2023 actual	2024 est.	2025 est.
Direct loan levels supportable by subsidy budget authority:			
115001 Tribal Energy FFB Loans		195	2,100
Direct loan subsidy (in percent):			
132001 Tribal Energy FFB Loans		0.08	0.35
132999 Weighted average subsidy rate	0.00	0.08	0.35
Direct loan subsidy budget authority:			
133001 Tribal Energy FFB Loans			7
Direct loan subsidy outlays:			
134001 Tribal Energy FFB Loans			1
Guaranteed loan levels supportable by subsidy budget authority:			
215001 Tribal Energy Loan Guarantees			108
Guaranteed loan subsidy (in percent):			
232001 Tribal Energy Loan Guarantees			2.17
232999 Weighted average subsidy rate	0.00	0.00	2.17
Guaranteed loan subsidy budget authority:			
233001 Tribal Energy Loan Guarantees			2
Administrative expense data:			
3510 Budget authority	2	2	6
3580 Outlays from balances	3		

The Tribal Energy Loan Guarantee Program (TELGP) provides access to debt capital for tribal investment in energy projects. TELGP is authorized pursuant to section 2602 of the Energy Policy Act of 1992, as amended, to make available up to \$20 billion in loan guarantees. The Consolidated Appropriations Act, 2017, (H.R. 244, Public Law 115–31) appropriated \$8.5 million to cover the credit subsidy costs associated with the original \$2 billion in available loan authority available prior to enactment of the Inflation Reduction Act (IRA). The IRA raised the loan guarantee limitation to \$20 billion, provided \$75 million for credit subsidy available through 2028 to carry out the program, and made permanent the ability for TELGP applicants to apply for direct loans via the U.S. Department of Treasury Federal Financing Bank, guaranteed by the DOE, obviating the need for a partial guarantee of a commercial lender.

The 2025 Budget proposes \$6,300,000 for administrative expenses to continue outreach and origination activities and to monitor the expected portfolio of TELGP projects. This funding level allows the Loan Programs Office to support economic development and tribal sovereignty and help achieve the Administration's objectives for placed-based initiatives and Justice40 investments.

Object Classification (in millions of dollars)

Identification code 089–0350–0–1–271	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent		1	2
25.1 Advisory and assistance services	3	4	3
41.0 Grants, subsidies, and contributions			9
99.0 Direct obligations	3	5	14
99.5 Adjustment for rounding	1	1	1
99.9 Total new obligations, unexpired accounts	4	6	15

Employment Summary

Identification code 089–0350–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	5	11	16

TRIBAL INDIAN ENERGY RESOURCE DEVELOPMENT LOAN GUARANTEE FINANCING
ACCOUNT

Program and Financing (in millions of dollars)

Identification code 089–4370–0–3–271	2023 actual	2024 est.	2025 est.
Budgetary resources:			
Financing authority:			
Spending authority from offsetting collections, mandatory:			
1801 Change in uncollected payments, Federal sources			2
1930 Total budgetary resources available			2

Memorandum (non-add) entries:			
1941	Unexpired unobligated balance, end of year		2
Change in obligated balance:			
Uncollected payments:			
3070	Change in uncollected pymts, Fed sources, unexpired		-2
3090	Uncollected pymts, Fed sources, end of year		-2
Memorandum (non-add) entries:			
3200	Obligated balance, end of year		-2
Financing authority and disbursements, net:			
Mandatory:			
4090	Budget authority, gross		2
Additional offsets against financing authority only (total):			
4140	Change in uncollected pymts, Fed sources, unexpired		-2
4180	Budget authority, net (total)		
4190	Outlays, net (total)		

Status of Guaranteed Loans (in millions of dollars)

Identification code 089-4370-0-3-271	2023 actual	2024 est.	2025 est.
Position with respect to appropriations act limitation on commitments:			
2121	Limitation available from carry-forward	508	508
2142	Uncommitted loan guarantee limitation		
2143	Uncommitted limitation carried forward	-508	-400
2150	Total guaranteed loan commitments		108
2199	Guaranteed amount of guaranteed loan commitments		97
Cumulative balance of guaranteed loans outstanding:			
2210	Outstanding, start of year		
2231	Disbursements of new guaranteed loans		17
2251	Repayments and prepayments		
Adjustments:			
2261	Terminations for default that result in loans receivable		
2263	Terminations for default that result in claim payments		
2290	Outstanding, end of year		17
Memorandum:			
2299	Guaranteed amount of guaranteed loans outstanding, end of year		15
Addendum:			
Cumulative balance of defaulted guaranteed loans that result in loans receivable:			
2310	Outstanding, start of year		
2331	Disbursements for guaranteed loan claims		
2351	Repayments of loans receivable		
2364	Other adjustments, net		
2390	Outstanding, end of year		

TRIBAL ENERGY DIRECT LOAN FINANCING ACCOUNT

Program and Financing (in millions of dollars)

Identification code 089-4489-0-3-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0710	Direct loan obligations	195	2,100
0715	Interest paid to FFB		1
0900	Total new obligations, unexpired accounts	195	2,101
Budgetary resources:			
Financing authority:			
Borrowing authority, mandatory:			
1400	Borrowing authority	195	2,100
Spending authority from offsetting collections, mandatory:			
1800	Collected		10
1801	Change in uncollected payments, Federal sources		6
1850	Spending auth from offsetting collections, mand (total)		16
1900	Budget authority (total)	195	2,116
1930	Total budgetary resources available	195	2,116
Memorandum (non-add) entries:			
1941	Unexpired unobligated balance, end of year		15

Change in obligated balance:

Unpaid obligations:			
3000	Unpaid obligations, brought forward, Oct 1		165
3010	New obligations, unexpired accounts	195	2,101
3020	Outlays (gross)	-30	-402
3050	Unpaid obligations, end of year	165	1,864
Uncollected payments:			
3070	Change in uncollected pymts, Fed sources, unexpired		-6
3090	Uncollected pymts, Fed sources, end of year		-6
Memorandum (non-add) entries:			
3100	Obligated balance, start of year		165
3200	Obligated balance, end of year	165	1,858

Financing authority and disbursements, net:

Mandatory:			
4090	Budget authority, gross	195	2,116
Financing disbursements:			
4110	Outlays, gross (total)	30	402
Offsets against gross financing authority and disbursements:			
Offsetting collections (collected) from:			
4120	Federal sources		-1
4123	Non-Federal sources - interest payments		-9
4130	Offsets against gross budget authority and outlays (total)		-10
Additional offsets against financing authority only (total):			
4140	Change in uncollected pymts, Fed sources, unexpired		-6
4160	Budget authority, net (mandatory)	195	2,100
4170	Outlays, net (mandatory)	30	392
4180	Budget authority, net (total)	195	2,100
4190	Outlays, net (total)	30	392

Status of Direct Loans (in millions of dollars)

Identification code 089-4489-0-3-271	2023 actual	2024 est.	2025 est.
Position with respect to appropriations act limitation on obligations:			
1121	Limitation available from carry-forward	20,000	19,805
1143	Unobligated limitation carried forward (P.L. 117) (169)	-20,000	-17,705
1150	Total direct loan obligations	195	2,100
Cumulative balance of direct loans outstanding:			
1210	Outstanding, start of year		30
1231	Disbursements: Direct loan disbursements	30	401
1290	Outstanding, end of year	30	431

TITLE 17 INNOVATIVE TECHNOLOGY GUARANTEED LOAN FINANCING ACCOUNT

Program and Financing (in millions of dollars)

Identification code 089-4577-0-3-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
Credit program obligations:			
0711	Default claim payments on principal	14	9
0712	Default claim payments on interest	5	8
0742	Downward reestimates paid to receipt accounts	11	7
0743	Interest on downward reestimates	5	3
0900	Total new obligations, unexpired accounts	16	29
Budgetary resources:			
Unobligated balance:			
1000	Unobligated balance brought forward, Oct 1	110	103
Financing authority:			
Spending authority from offsetting collections, mandatory:			
1800	Collected	3	7
1801	Change in uncollected payments, Federal sources	6	-2
1850	Spending auth from offsetting collections, mand (total)	9	5
1900	Budget authority (total)	9	5
1930	Total budgetary resources available	119	108
Memorandum (non-add) entries:			
1941	Unexpired unobligated balance, end of year	103	79
Change in obligated balance:			
Unpaid obligations:			
3000	Unpaid obligations, brought forward, Oct 1	1	1
3010	New obligations, unexpired accounts	16	29
3020	Outlays (gross)	-15	-29

TITLE 17 INNOVATIVE TECHNOLOGY GUARANTEED LOAN FINANCING
ACCOUNT—Continued
Program and Financing—Continued

Identification code 089-4577-0-3-271	2023 actual	2024 est.	2025 est.
3050 Unpaid obligations, end of year	1	1	1
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-9	-15	-13
3070 Change in uncollected pymts, Fed sources, unexpired	-6	2	-303
3090 Uncollected pymts, Fed sources, end of year	-15	-13	-316
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	-9	-14	-12
3200 Obligated balance, end of year	-14	-12	-315
Financing authority and disbursements, net:			
Mandatory:			
4090 Budget authority, gross	9	5	378
Financing disbursements:			
4110 Outlays, gross (total)	15	29	17
Offsets against gross financing authority and disbursements:			
Offsetting collections (collected) from:			
4120 Payment from program account		-2	-57
4122 Interest on uninvested funds	-3	-3	-3
4123 Principal payments			-6
4123 Interest Payments			-3
4123 Other Income - Fees		-2	-6
4130 Offsets against gross budget authority and outlays (total)	-3	-7	-75
Additional offsets against financing authority only (total):			
4140 Change in uncollected pymts, Fed sources, unexpired	-6	2	-303
4170 Outlays, net (mandatory)	12	22	-58
4180 Budget authority, net (total)			
4190 Outlays, net (total)	12	22	-58

Status of Guaranteed Loans (in millions of dollars)

Identification code 089-4577-0-3-271	2023 actual	2024 est.	2025 est.
Position with respect to appropriations act limitation on commitments:			
2121 Limitation available from carry-forward	326,942	323,609	323,609
2143 Uncommitted limitation carried forward	-323,609	-323,609	-321,703
2150 Total guaranteed loan commitments	3,333		1,906
2199 Guaranteed amount of guaranteed loan commitments	3,000		1,715
Cumulative balance of guaranteed loans outstanding:			
2210 Outstanding, start of year	1,782	1,660	2,550
2231 Disbursements of new guaranteed loans		1,065	1,408
2251 Repayments and prepayments	-122	-161	-263
2261 Adjustments: Terminations for default that result in loans receivable		-14	-10
2290 Outstanding, end of year	1,660	2,550	3,685
Memorandum:			
2299 Guaranteed amount of guaranteed loans outstanding, end of year	1,656	2,040	2,948
Addendum:			
Cumulative balance of defaulted guaranteed loans that result in loans receivable:			
2310 Outstanding, start of year			20
2331 Disbursements for guaranteed loan claims		14	10
2351 Repayments of loans receivable			-9
2364 Other adjustments, net		6	8
2390 Outstanding, end of year		20	29

Balance Sheet (in millions of dollars)

Identification code 089-4577-0-3-271	2022 actual	2023 actual
ASSETS:		
Federal assets:		
1101 Fund balances with Treasury	101	89
Investments in U.S. securities:		
1106 Receivables, net		
1501 Net value of assets related to post-1991 acquired defaulted guaranteed loans receivable: Defaulted guaranteed loans receivable, gross		
1999 Total assets	101	89
LIABILITIES:		
Federal liabilities:		
2101 Accounts payable		

2105 Other	12	10
2204 Non-Federal liabilities: Liabilities for loan guarantees	89	79
2999 Total liabilities	101	89
NET POSITION:		
3300 Cumulative results of operations		
4999 Total liabilities and net position	101	89

DEFENSE PRODUCTION ACT

Program and Financing (in millions of dollars)

Identification code 089-0360-0-1-272	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0050 Inflation Reduction Act	1		
0900 Total new obligations, unexpired accounts (object class 26.0)	1		
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	250	249	249
1930 Total budgetary resources available	250	249	249
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	249	249	249
Change in obligated balance:			
Unpaid obligations:			
3010 New obligations, unexpired accounts	1		
3020 Outlays (gross)	-1		
Budget authority and outlays, net:			
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	1		
4180 Budget authority, net (total)			
4190 Outlays, net (total)	1		

ENVIRONMENTAL REVIEWS

Program and Financing (in millions of dollars)

Identification code 089-2304-0-1-276	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0010 Inflation Reduction Act	1	9	8
0900 Total new obligations, unexpired accounts (object class 25.1)	1	9	8
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	115	114	105
1930 Total budgetary resources available	115	114	105
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	114	105	97
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1			4
3010 New obligations, unexpired accounts	1	9	8
3020 Outlays (gross)	-1	-5	-9
3050 Unpaid obligations, end of year		4	3
Memorandum (non-add) entries:			
3100 Obligated balance, start of year			4
3200 Obligated balance, end of year		4	3
Budget authority and outlays, net:			
Mandatory:			
Outlays, gross:			
4101 Outlays from mandatory balances	1	5	9
4180 Budget authority, net (total)			
4190 Outlays, net (total)	1	5	9

Section 50301 of the Inflation Reduction Act of 2022 provides funding for Department of Energy activities to facilitate timely and efficient environmental reviews and authorizations.

ENERGY PROJECTS

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–2305–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Direct program activity		222	22
0900 Total new obligations, unexpired accounts (object class 25.2)		222	22
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1		222	222
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	222	222	
1930 Total budgetary resources available	222	444	222
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	222	222	200
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1			89
3010 New obligations, unexpired accounts		222	22
3020 Outlays (gross)		–133	–111
3050 Unpaid obligations, end of year		89	
Memorandum (non-add) entries:			
3100 Obligated balance, start of year			89
3200 Obligated balance, end of year		89	
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	222	222	
Outlays, gross:			
4010 Outlays from new discretionary authority		22	
4011 Outlays from discretionary balances		111	111
4020 Outlays, gross (total)		133	111
4180 Budget authority, net (total)	222	222	
4190 Outlays, net (total)		133	111

POWER MARKETING ADMINISTRATION

Federal Funds

OPERATION AND MAINTENANCE, SOUTHEASTERN POWER ADMINISTRATION

For expenses necessary for operation and maintenance of power transmission facilities and for marketing electric power and energy, including transmission wheeling and ancillary services, pursuant to section 5 of the Flood Control Act of 1944 (16 U.S.C. 825s), as applied to the southeastern power area, \$9,127,000, including official reception and representation expenses in an amount not to exceed \$1,500, to remain available until expended: Provided, That notwithstanding 31 U.S.C. 3302 and section 5 of the Flood Control Act of 1944, up to \$9,127,000 collected by the Southeastern Power Administration from the sale of power and related services shall be credited to this account as discretionary offsetting collections, to remain available until expended for the sole purpose of funding the annual expenses of the Southeastern Power Administration: Provided further, That the sum herein appropriated for annual expenses shall be reduced as collections are received during the fiscal year so as to result in a final fiscal year 2025 appropriation estimated at not more than \$0: Provided further, That notwithstanding 31 U.S.C. 3302, up to \$75,778,000 collected by the Southeastern Power Administration pursuant to the Flood Control Act of 1944 to recover purchase power and wheeling expenses shall be credited to this account as offsetting collections, to remain available until expended for the sole purpose of making purchase power and wheeling expenditures: Provided further, That for purposes of this appropriation, annual expenses means expenditures that are generally recovered in the same year that they are incurred (excluding purchase power and wheeling expenses).

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0302–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Purchase Power and Wheeling	55	72	76
0002 Annual Expenses	7	8	9
0799 Total direct obligations	62	80	85
0900 Total new obligations, unexpired accounts	62	80	85
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	20	46	46
Budget authority:			
Spending authority from offsetting collections, discretionary:			
1700 Collected	88	80	85
1900 Budget authority (total)	88	80	85
1930 Total budgetary resources available	108	126	131
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	46	46	46
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	10	7	3
3010 New obligations, unexpired accounts	62	80	85
3020 Outlays (gross)	–65	–84	–85
3050 Unpaid obligations, end of year	7	3	3
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	10	7	3
3200 Obligated balance, end of year	7	3	3
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	88	80	85
Outlays, gross:			
4010 Outlays from new discretionary authority	36	77	82
4011 Outlays from discretionary balances	29	7	3
4020 Outlays, gross (total)	65	84	85
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–1		
4033 Non-Federal sources	–87	–80	–85
4040 Offsets against gross budget authority and outlays (total)	–88	–80	–85
4080 Outlays, net (discretionary)	–23	4	
4180 Budget authority, net (total)			
4190 Outlays, net (total)	–23	4	

The Southeastern Power Administration (Southeastern) markets power generated at 22 U.S. Army Corps of Engineers' hydroelectric generating plants in an eleven State area of the Southeast. Power deliveries are made by means of contracting for use of transmission facilities owned by others.

Southeastern sells wholesale power primarily to publicly and cooperatively owned electric distribution utilities. Southeastern 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 the costs of operations and the capital invested in power facilities, with interest, in keeping with statutory requirements. As in past years, the budget continues to provide funding for annual expenses and purchase power and wheeling expenses through discretionary offsetting collections derived from power receipts collected to recover those expenses.

Program Direction.—Provision is made for negotiation and administration of transmission and power contracts, collection of revenues, accounting and budget activities, development of wholesale power rates, amortization of the Federal power investment, energy efficiency and competitiveness program, 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 individually and in coordination with others to obtain maximum utilization of resources.

Purchase Power and Wheeling.—Provision is made for the payment of wheeling fees and for the purchase of electricity in connection with the disposal of power under contracts with utility companies. Customers are encouraged to use alternative funding mechanisms, including customer advances and net billing to finance these activities. Offsetting collections to fund these ongoing operating services are also available up to \$72 million in 2024. As of the end of 2023, Southeastern's PPW reserve balance was \$19 million.

DISCRETIONARY PURCHASE POWER AND WHEELING, SOUTHEASTERN POWER ADMINISTRATION

	(in millions of dollars)				
	2021 Actual	2022 Actual	2023 Actual	2024 Estimate	2025 Estimate
Limitation to collect, ('up to' ceiling in appropriations language)	52	53	79	72	76
Actual collections	52	53	79	72	76

OPERATION AND MAINTENANCE, SOUTHEASTERN POWER ADMINISTRATION—Continued

Program and Financing (in millions of dollars)

DISCRETIONARY PURCHASE POWER AND WHEELING, SOUTHEASTERN POWER ADMINISTRATION—Continued

	2021 Actual	2022 Actual	2023 Actual	2024 Estimate	2025 Estimate
PPW Unobligated balance brought forward, Oct 1	18	27	19	19	19
Spending authority from offsetting collections	52	53	79	72	76
Obligations incurred	-43	-61	-79	-72	-76
PPW Unobligated balance, end of year	18	27	19	19	19

Reimbursable Program.—The Consolidated Appropriations Act, 2008 (P.L. 110–161) provided Southeastern with authority to accept advance payment from customers for reimbursable work associated with operations and maintenance activities, consistent with those authorized in section 5 of the Flood Control Act of 1944. Funds received from any State, municipality, corporation, association, firm, district, or individual as an advance payment for reimbursable work will be credited to Southeastern's account and remain available until expended.

Object Classification (in millions of dollars)

Identification code 089–0302–0–1–271	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	4	6	7
12.1 Civilian personnel benefits	2	2	2
25.2 Purchase Power and Wheeling	56	72	76
99.0 Direct obligations	62	80	85
99.9 Total new obligations, unexpired accounts	62	80	85

Employment Summary

Identification code 089–0302–0–1–271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	45	44	44

CONTINUING FUND, SOUTHEASTERN POWER ADMINISTRATION

A continuing fund maintained from receipts from the sale and transmission of electric power in the Southeastern service area is available to defray emergency expenses necessary to ensure continuity of service (16 U.S.C. 825s–2). The fund was last activated in 2018 to finance power purchases associated with heightened demand and cost spikes due to severe cold weather. Consistent with sound business practices, the Southeastern Power Administration has implemented a policy to recover all emergency costs associated with purchased power and wheeling within one year from the time funds are expended.

OPERATION AND MAINTENANCE, SOUTHWESTERN POWER ADMINISTRATION

For expenses necessary for operation and maintenance of power transmission facilities and for marketing electric power and energy, 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 section 5 of the Flood Control Act of 1944 (16 U.S.C. 825s), as applied to the Southwestern Power Administration, \$55,070,000, to remain available until expended: Provided, That notwithstanding 31 U.S.C. 3302 and section 5 of the Flood Control Act of 1944 (16 U.S.C. 825s), up to \$43,630,000 collected by the Southwestern Power Administration from the sale of power and related services shall be credited to this account as discretionary offsetting collections, to remain available until expended, for the sole purpose of funding the annual expenses of the Southwestern Power Administration: Provided further, That the sum herein appropriated for annual expenses shall be reduced as collections are received during the fiscal year so as to result in a final fiscal year 2025 appropriation estimated at not more than \$11,440,000: Provided further, That notwithstanding 31 U.S.C. 3302, up to \$80,000,000 collected by the Southwestern Power Administration pursuant to the Flood Control Act of 1944 to recover purchase power and wheeling expenses shall be credited to this account as offsetting collections, to remain available until expended for the sole purpose of making purchase power and wheeling expenditures: Provided further, That for purposes of this appropriation, annual expenses means expenditures that are generally recovered in the same year that they are incurred (excluding purchase power and wheeling expenses).

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Identification code 089–0303–0–1–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Systems operation and maintenance	1	7	3
0003 Construction	15	5	5
0004 Program direction	3	6	3
0005 Spectrum Relocation	5	5	5
0010 Annual Expenses	42	51	41
0020 Purchase Power and Wheeling	9	80	80
0200 Direct program subtotal	70	154	132
0799 Total direct obligations	70	154	132
0810 Other reimbursable activities	4	70	61
0899 Total reimbursable obligations	4	70	61
0900 Total new obligations, unexpired accounts	74	224	193
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	237	278	256
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	11	11	11
Appropriations, mandatory:			
1221 Appropriations transferred from other acct [011–5512]	4		
Spending authority from offsetting collections, discretionary:			
1700 Collected	100	191	191
1900 Budget authority (total)	115	202	202
1930 Total budgetary resources available	352	480	458
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	278	256	265
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	85	65	165
3010 New obligations, unexpired accounts	74	224	193
3020 Outlays (gross)	-94	-124	-192
3050 Unpaid obligations, end of year	65	165	166
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	85	65	165
3200 Obligated balance, end of year	65	165	166
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	111	202	202
Outlays, gross:			
4010 Outlays from new discretionary authority	28	78	78
4011 Outlays from discretionary balances	66	42	114
4020 Outlays, gross (total)	94	120	192
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	-2	-6	-6
4033 Non-Federal sources	-98	-185	-185
4040 Offsets against gross budget authority and outlays (total)	-100	-191	-191
4070 Budget authority, net (discretionary)	11	11	11
4080 Outlays, net (discretionary)	-6	-71	1
Mandatory:			
4090 Budget authority, gross	4		
Outlays, gross:			
4101 Outlays from mandatory balances		4	
4180 Budget authority, net (total)	15	11	11
4190 Outlays, net (total)	-6	-67	1

Southwestern Power Administration (Southwestern) operates in a six-state area marketing and delivering renewable hydroelectric power produced at the U.S. Army Corps of Engineers' dams. Southwestern operates and maintains 1,381 miles of high voltage transmission lines, 26 substations/switching stations, associated power system controls, and communication sites. Southwestern also makes modifications and constructs additions to existing facilities.

Southwestern markets and delivers its power at wholesale rates to 78 municipal utilities, 21 rural electric cooperatives, and 3 military installations. In compliance with statutory requirements, Southwestern's power sales contracts provide for periodic rate adjustments to ensure that the Federal Government recovers all costs of operations, other costs allocated to power, and the capital investments in power facilities, with interest. Southwestern is also responsible for scheduling and dispatching power and negotiating power sales contracts to meet changing customer load requirements. As in past years, the budget continues to provide funding for annual expenses and purchase power and wheeling expenses through discretionary offsetting collections derived from power receipts collected to recover those expenses.

Program Direction.—Provides compensation and all related expenses for personnel who market, deliver, operate, and maintain Southwestern's high-voltage interconnected power system

and associated facilities, those that perform cyber and physical security roles, and those that administratively support these functions.

Operations and Maintenance.—Provides essential electrical and communications equipment replacements and upgrades, capitalized moveable equipment, technical services, and supplies and materials necessary for the safe, reliable, and cost effective operation and maintenance of the power system.

Purchase Power and Wheeling.—Provides for the purchase and delivery of energy to meet limited peaking power contractual obligations. Federal power receipts and alternative financing methods, including net billing, and customer advances are used to fund system-purchased power support and other contractual services. Southwestern has implemented a Purchase Power and Wheeling (PPW) risk mitigation strategy to ensure continuous operations during periods of significant drought. The strategy was developed consistent with existing authorities, and with the participation and support of Southwestern's power customers. Under this approach, Southwestern retains receipts from the recovery of purchase power and wheeling expenses within the 'up to' amount specified by Congress. The receipts retained are available until expended and are available only for PPW expenses. As of the end 2023, Southwestern's PPW reserve balance was \$120 million. Customers will provide other power resources and/or purchases for the remainder of their firm loads.

DISCRETIONARY PURCHASE POWER AND WHEELING, SOUTHWESTERN POWER ADMINISTRATION

	(in millions of dollars)				
	2021 Actual	2022 Actual	2023 Actual	2024 Estimate ¹	2025 Estimate ¹
Limitation to collect, ('up to' ceiling in appropriations language)	34	39	70	80	80
Actual collections	34	39	21	80	80
PPW Unobligated balance brought forward, Oct 1	88	86	108	120	120
Spending authority from offsetting collections	34	39	21	80	80
Obligations incurred	-36	-17	-9	-80	-80
PPW Unobligated balance, end of year	86	108	120	120	120

¹The 2024 and 2025 Estimates assume spending authority from offsetting collections equals the 'up to' ceiling and that obligations incurred are the same amount as the spending authority for 2024. Actual spending authority from offsetting collections and actual obligations will be dependent upon variability in market prices for PPW and hydrological conditions in Southwestern's region, which vary significantly, are largely unpredictable, and can change quickly.

Construction.—Provides for replacement, addition or upgrade of existing infrastructure to sustain reliable delivery of power to its customers, contain annual maintenance costs, and improve overall efficiency.

Reimbursable Program.—This activity involves services provided by Southwestern to others under various types of reimbursable arrangements.

Object Classification (in millions of dollars)

Identification code 089-0303-0-1-271	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	19	21	23
11.5 Other personnel compensation	2	2	2
11.9 Total personnel compensation	21	23	25
12.1 Civilian personnel benefits	8	7	7
21.0 Travel and transportation of persons	1	1	2
23.3 Communications, utilities, and miscellaneous charges	1	1	2
25.1 Advisory and assistance services	28	108	82
25.2 Other services from non-Federal sources	5	7	8
25.3 Other goods and services from Federal sources	2	2	1
26.0 Supplies and materials	2	3	3
31.0 Equipment	2	2	2
99.0 Direct obligations	70	154	132
99.0 Reimbursable obligations	4	70	61
99.9 Total new obligations, unexpired accounts	74	224	193

Employment Summary

Identification code 089-0303-0-1-271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	11	11	11
2001 Reimbursable civilian full-time equivalent employment	177	183	183

CONTINUING FUND, SOUTHWESTERN POWER ADMINISTRATION

Program and Financing (in millions of dollars)

Identification code 089-5649-0-2-271	2023 actual	2024 est.	2025 est.
4180 Budget authority, net (total)			

4190 Outlays, net (total)			
Memorandum (non-add) entries:			
5080 Outstanding debt, SOY	-68	-68	-68
5081 Outstanding debt, EOY	-68	-68	-68

A continuing fund, maintained from receipts from the sale and transmission of electric power in the Southwestern Power Administration service area, is available permanently for emergency expenses necessary to ensure continuity of electric service and continuous operation of the facilities. The fund is also available on an ongoing basis to pay for purchase power and wheeling expenses when the Administrator determines that such expenses are necessary to meet contractual obligations for the sale and delivery of power during periods of below-average generation (16 U.S.C. 825s-1 as amended further by Public Law 101-101). The fund was last activated in 2009 to repair and replace damaged transmission lines due to an ice storm.

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

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. 7152), and other related activities including conservation and renewable resources programs as authorized, \$341,983,000, including official reception and representation expenses in an amount not to exceed \$1,500, to remain available until expended, of which \$340,983,000 shall be derived from the Department of the Interior Reclamation Fund: Provided, That notwithstanding 31 U.S.C. 3302, section 5 of the Flood Control Act of 1944 (16 U.S.C. 825s), and section 1 of the Interior Department Appropriation Act, 1939 (43 U.S.C. 392a), up to \$241,111,000 collected by the Western Area Power Administration from the sale of power and related services shall be credited to this account as discretionary offsetting collections, to remain available until expended, for the sole purpose of funding the annual expenses of the Western Area Power Administration: Provided further, That the sum herein appropriated for annual expenses shall be reduced as collections are received during the fiscal year so as to result in a final fiscal year 2025 appropriation estimated at not more than \$100,872,000, of which \$99,872,000 is derived from the Reclamation Fund: Provided further, That notwithstanding 31 U.S.C. 3302, up to \$525,000,000 collected by the Western Area Power Administration pursuant to the Flood Control Act of 1944 and the Reclamation Project Act of 1939 to recover purchase power and wheeling expenses shall be credited to this account as offsetting collections, to remain available until expended for the sole purpose of making purchase power and wheeling expenditures: Provided further, That for purposes of this appropriation, annual expenses means expenditures that are generally recovered in the same year that they are incurred (excluding purchase power and wheeling expenses): Provided further, That of the amounts made available under this heading, \$1,000,000 shall be for supporting the administrative activities authorized in section 301 of the Hoover Power Plant Act of 1984 (Public Law 98-381), as amended, in addition to any other appropriated amounts available for such purposes: Provided further, That the amounts described in the previous proviso shall be non-reimbursable: Provided further, That the remaining unobligated balances from amounts described in the fifth proviso under this heading in Public Law 111-85 are hereby permanently cancelled.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-5068-0-2-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Systems operation and maintenance	47	57	58
0004 Program direction	40	43	43
0010 Annual Expenses	213	213	241
0011 Purchase Power and Wheeling	475	525	
0015 PPW - disaster supplemental	387		
0016 PPW - IJIA	71		
0091 Direct Program by Activities - Subtotal (1 level)	758	788	867
0100 Total operating expenses	758	788	867
0101 Capital investment	9		
0799 Total direct obligations	767	788	867
0804 Other Reimbursable	475	628	898
0809 Reimbursable program activities, subtotal	475	628	898
0899 Total reimbursable obligations	475	628	898
0900 Total new obligations, unexpired accounts	1,242	1,416	1,765

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	700	1,340	1,327
1010 Unobligated balance transfer to other accts [011-5512]	-4		
1021 Recoveries of prior year unpaid obligations	1		
1070 Unobligated balance (total)	697	1,340	1,327

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

Identification code 089-5068-0-2-271	2023 actual	2024 est.	2025 est.
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation - Disaster Relief Supplemental (H.R. 2617)	520	.....	1
1101 Appropriation (special or trust)	99	99	100
1160 Appropriation, discretionary (total)	619	99	101
Spending authority from offsetting collections, discretionary:			
1700 Collected	1,229	1,304	1,664
1701 Change in uncollected payments, Federal sources	37	.....	.....
1750 Spending auth from offsetting collections, disc (total)	1,266	1,304	1,664
1900 Budget authority (total)	1,885	1,403	1,765
1930 Total budgetary resources available	2,582	2,743	3,092
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	1,340	1,327	1,327
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	439	450	634
3010 New obligations, unexpired accounts	1,242	1,416	1,765
3020 Outlays (gross)	-1,230	-1,232	-1,247
3040 Recoveries of prior year unpaid obligations, unexpired	-1	.....	.....
3050 Unpaid obligations, end of year	450	634	1,152
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-62	-99	-99
3070 Change in uncollected pymts, Fed sources, unexpired	-37	.....	.....
3090 Uncollected pymts, Fed sources, end of year	-99	-99	-99
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	377	351	535
3200 Obligated balance, end of year	351	535	1,053
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	1,885	1,403	1,765
Outlays, gross:			
4010 Outlays from new discretionary authority	689	436	544
4011 Outlays from discretionary balances	541	796	703
4020 Outlays, gross (total)	1,230	1,232	1,247
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	-258	-245	-320
4033 Non-Federal sources	-971	-1,059	-1,344
4040 Offsets against gross budget authority and outlays (total)	-1,229	-1,304	-1,664
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	-37	.....	.....
4070 Budget authority, net (discretionary)	619	99	101
4080 Outlays, net (discretionary)	1	-72	-417
4180 Budget authority, net (total)	619	99	101
4190 Outlays, net (total)	1	-72	-417
Memorandum (non-add) entries:			
5080 Outstanding appropriated debt, SOY	-12,406	-12,406	-12,406
5081 Outstanding appropriated debt, EOY	-13,081	-12,406	-12,406

The Western Area Power Administration (WAPA) markets electric power in 15 central and western states from federally owned power plants operated primarily by the Bureau of Reclamation, the Army Corps of Engineers, and the International Boundary and Water Commission. WAPA operates and maintains about 17,000 circuit-miles of high-voltage transmission lines, more than 300 substations/switchyards and associated power system controls, and communication and electrical facilities for 15 separate power projects. WAPA also constructs additions and modifications to existing facilities.

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

Power is sold to nearly 700 wholesale customers, including DOE's National Labs, more than two dozen U.S. Department of Defense installations, municipalities, cooperatives, irrigation districts, public utility districts, other 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, and the Colorado River Basins Power Marketing Fund.

As in past years, the budget continues to provide funding for annual expenses and purchase power and wheeling expenses through discretionary offsetting collections derived from power receipts collected to recover those expenses.

Systems Operation and Maintenance.—Provides essential electrical and communication equipment replacements and upgrades, capitalized moveable equipment, technical services, and supplies and materials necessary for safe reliable operation and cost-effective maintenance of the power systems.

Purchase Power and Wheeling.—Provision is made for the payment of wheeling fees and for the purchase of electricity in connection with the distribution of power under contracts with utility companies. Customers are encouraged to contract for power and wheeling on their own, or use alternative funding mechanisms, including customer advances, net billing, and bill crediting to finance these activities. Ongoing operating services are also available on a reimbursable basis.

WAPA has implemented a Purchase Power and Wheeling (PPW) risk mitigation strategy to ensure continuous operations during periods of significant drought. The strategy was developed consistent with existing authorities, and with the participation and support of WAPA power customers. Under this approach, WAPA retains receipts from the recovery of purchase power and wheeling expenses within the 'up to' amount specified by Congress. The receipts retained are available until expended and are available only for purchase power and wheeling expenses. As of the end of 2023, WAPA's PPW reserve balance was \$788 million.

DISCRETIONARY PURCHASE POWER AND WHEELING, WESTERN AREA POWER ADMINISTRATION¹

	(in millions of dollars)				
	2021 Actual	2022 Actual	2023 Actual	2024 Estimate	2025 Estimate
Limitation to collect, ('up to' ceiling in appropriations language)	192	170	475	475	525
Actual collections	192	170	475	475	525
PPW Unobligated balance brought forward, Oct 1	386	217	312	788	921
Spending authority from offsetting collections	192	170	475	475	525
Obligations incurred	-361	-418	-457	-475	-525
PPW Receipt Authority, Unobligated balance, end of year (excluding BIL & DRS funding applied)	217	-31	330	788	921
Bi-Partisan Infrastructure Law (BIL) funding applied		343	71	0	
Disaster Relief Supplemental Act (DRS) funding applied			387	133	
PPW Receipt Authority, Unobligated balance, end of year	217	312	788	921	921

¹Excludes alternative financing for PPW.

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

Program Direction.—Provides compensation and all related expenses for the workforce that operates and maintains WAPA's high-voltage interconnected transmission system (systems operation and maintenance program), and those that plan, design, and supervise the construction of replacements, upgrades, and additions (system construction program) to the transmission facilities, as well as authorized administrative program expenses on a nonreimbursable basis for the Transmission Infrastructure Program.

Reimbursable Program.—This program involves services provided by WAPA to others under various types of reimbursable arrangements. WAPA's reimbursable authority and partnerships also support responses to natural disasters - to restore the energy infrastructure and access to power.

WAPA will continue to spend out of the Colorado River Dam Fund for operations and maintenance activities associated with the Boulder Canyon Project via a reimbursable arrangement with the Interior Department's Bureau of Reclamation. The Colorado River Dam Fund is a revolving fund operated by the Bureau of Reclamation. Authority for WAPA to obligate directly from the Colorado River Dam Fund comes from section 104(a) of the Hoover Power Plant Act of 1984.

The Bipartisan Infrastructure Law (BIL) (Infrastructure Investment and Jobs Act, P.L. 117-58) and the 2023 Omnibus provided WAPA with additional resources for purchase power and wheeling.

Object Classification (in millions of dollars)

Identification code 089-5068-0-2-271	2023 actual	2024 est.	2025 est.
Direct obligations:			
Personnel compensation:			
11.1 Full-time permanent	92	114	122
11.3 Other than full-time permanent	12	.....	.....
11.5 Other personnel compensation	14	3	10
11.9 Total personnel compensation	118	117	132
12.1 Civilian personnel benefits	42	40	42
21.0 Travel and transportation of persons	4	7	7
22.0 Transportation of things	3	1	.....
23.1 Rental payments to GSA	1	2	1
23.2 Rental payments to others	1	1	1
23.3 Communications, utilities, and miscellaneous charges	5	6	6
25.1 Advisory and assistance services	22	27	29

25.2	Other services from non-Federal sources	493	505	577
25.3	Other goods and services from Federal sources		3	3
25.7	Operation and maintenance of equipment	11	9	11
26.0	Supplies and materials	13	21	11
31.0	Equipment	29	27	25
32.0	Land and structures	25	22	22
99.0	Direct obligations	767	788	867
99.0	Reimbursable obligations	475	628	898
99.9	Total new obligations, unexpired accounts	1,242	1,416	1,765

Employment Summary

Identification code 089-5068-0-2-271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	852	854	856
2001 Reimbursable civilian full-time equivalent employment	338	346	359

WESTERN AREA POWER ADMINISTRATION, BORROWING AUTHORITY, RECOVERY ACT**Program and Financing** (in millions of dollars)

Identification code 089-4404-0-3-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0102 Transmission Infrastructure Program Projects	8	8	10
0811 Western Area Power Administration, Borrowing Authority, Recovery (Reimbursable)	2	7	6
0900 Total new obligations, unexpired accounts	10	15	16

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	15	16	16
1001 Discretionary unobligated balance brought fwd, Oct 1	4		
Budget authority:			
1700 Spending authority from offsetting collections, discretionary: Collected	1	7	6
1800 Spending authority from offsetting collections, mandatory: Collected	10	8	10
1900 Budget authority (total)	11	15	16
1930 Total budgetary resources available	26	31	32
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	16	16	16

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	20	21	18
3010 New obligations, unexpired accounts	10	15	16
3020 Outlays (gross)	-9	-18	-13
3050 Unpaid obligations, end of year	21	18	21
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	20	21	18
3200 Obligated balance, end of year	21	18	21

Budget authority and outlays, net:

Discretionary:			
4000 Budget authority, gross	1	7	6
Outlays, gross:			
4010 Outlays from new discretionary authority	1	3	2
4011 Outlays from discretionary balances	2	3	1
4020 Outlays, gross (total)	3	6	3
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4033 Non-Federal sources	-1	-7	-6
4040 Offsets against gross budget authority and outlays (total)	-1	-7	-6
Mandatory:			
4090 Budget authority, gross	10	8	10
Outlays, gross:			
4100 Outlays from new mandatory authority	2	8	10
4101 Outlays from mandatory balances	4	4	
4110 Outlays, gross (total)	6	12	10
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4120 Federal sources	-2		
4123 Non-Federal sources	-8	-8	-10
4130 Offsets against gross budget authority and outlays (total)	-10	-8	-10
4170 Outlays, net (mandatory)	-4	4	
4180 Budget authority, net (total)			

4190 Outlays, net (total)	-2	3	-3
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The American Recovery and Reinvestment Act of 2009 (the Act) provided Western Area Power Administration (WAPA) borrowing authority for the purpose of constructing, financing, facilitating, planning, operating, maintaining, or studying construction of new or upgraded electric power transmission lines and related facilities with at least one terminus within the area served by WAPA, and for delivering or facilitating the delivery of power generated by renewable energy resources. This authority to borrow from the United States Treasury is available to WAPA on a permanent, indefinite basis, with the amount of borrowing outstanding not to exceed \$3.25 billion at any one time. WAPA established the Transmission Infrastructure Program (TIP) to manage and administer this borrowing authority and its related program requirements.

Object Classification (in millions of dollars)

Identification code 089-4404-0-3-271	2023 actual	2024 est.	2025 est.
Direct obligations:			
11.1 Personnel compensation: Full-time permanent	1	1	
25.1 Advisory and assistance services			1
25.2 Other services from non-Federal sources	5	5	7
43.0 Interest and dividends	2	2	2
99.0 Direct obligations	8	8	10
25.1 Reimbursable obligations: Advisory and assistance services	2	7	6
99.0 Reimbursable obligations	2	7	6
99.9 Total new obligations, unexpired accounts	10	15	16

Employment Summary

Identification code 089-4404-0-3-271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	6	10	4

EMERGENCY FUND, WESTERN AREA POWER ADMINISTRATION**Program and Financing** (in millions of dollars)

Identification code 089-5069-0-2-271	2023 actual	2024 est.	2025 est.
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	1	1	1
1930 Total budgetary resources available	1	1	1
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	1	1	1
4180 Budget authority, net (total)			
4190 Outlays, net (total)			
Memorandum (non-add) entries:			
5080 Outstanding debt, SOY	-55	-55	-55
5081 Outstanding debt, EOY	-55	-55	-55

An emergency fund maintained from receipts from the sale and transmission of electric power is available to defray expenses necessary to ensure continuity of service. The fund was last activated in fiscal year 2010 to repair and replace damaged transmission lines due to severe winter storm conditions.

FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND

For operation, maintenance, and emergency costs for the hydroelectric facilities at the Falcon and Amistad Dams, \$6,525,000, 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 2 of the Act of June 18, 1954 (68 Stat. 255): Provided, That notwithstanding the provisions of that Act and of 31 U.S.C. 3302, up to \$6,297,000 collected by the Western Area Power Administration from the sale of power and related services from the Falcon and Amistad Dams shall be credited to this account as discretionary offsetting collections, to remain available until expended for the sole purpose of funding the annual expenses of the hydroelectric facilities of these Dams and associated Western Area Power Administration activities: Provided further, That the sum herein appropriated for annual expenses shall be reduced as collections are received during the fiscal year so as to result in a final fiscal year 2025 appropriation estimated at not more than \$228,000: Provided further, That for purposes of this appropriation, annual expenses means expenditures that are generally recovered in the same year that they are incurred: Provided further, That for fiscal year 2025, the Administrator of the Western Area Power Administration may accept up to \$1,685,000 in funds contributed by United States power customers of the Falcon and Amistad Dams for deposit into the Falcon and Amistad Operating and Maintenance Fund, and such funds shall be available for the purpose for which contributed in like manner as if said sums had been specifically appropriated for such purpose: Provided further, That any such funds shall be available without further appropriation and

FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND—Continued

without fiscal year limitation for use by the Commissioner of the United States Section of the International Boundary and Water Commission for the sole purpose of operating, maintaining, repairing, rehabilitating, replacing, or upgrading the hydroelectric facilities at these Dams in accordance with agreements reached between the Administrator, Commissioner, and the power customers.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Special and Trust Fund Receipts (in millions of dollars)

Identification code 089–5178–0–2–271	2023 actual	2024 est.	2025 est.
0100 Balance, start of year	11	11	11
2000 Total: Balances and receipts	11	11	11
5099 Balance, end of year	11	11	11

Program and Financing (in millions of dollars)

Identification code 089–5178–0–2–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 Annual Expenses	4	6	6
0100 Direct program activities, subtotal	4	6	6
0802 Reimbursable program activity - Alternative Financing	2	2	2
0899 Total reimbursable obligations	2	2	2
0900 Total new obligations, unexpired accounts	6	8	8
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	5	5	5
Budget authority:			
Spending authority from offsetting collections, discretionary:			
1700 Offsetting collections	6	8	8
1930 Total budgetary resources available	11	13	13
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	5	5	5
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	5	6	3
3010 New obligations, unexpired accounts	6	8	8
3020 Outlays (gross)	–5	–11	–8
3050 Unpaid obligations, end of year	6	3	3
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	5	6	3
3200 Obligated balance, end of year	6	3	3
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	6	8	8
Outlays, gross:			
4010 Outlays from new discretionary authority		5	5
4011 Outlays from discretionary balances	5	6	3
4020 Outlays, gross (total)	5	11	8
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4033 Non-Federal sources	–6	–8	–8
4180 Budget authority, net (total)			
4190 Outlays, net (total)	–1	3	

Pursuant to section 2 of the Act of June 18, 1954, as amended, Western Area Power Administration is requesting funding for the Falcon and Amistad Operating and Maintenance Fund to defray operations, maintenance, and emergency (OM&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. Within the fund, \$200,000 is for an emergency reserve that will remain unobligated unless unanticipated expenses arise. The budget provides funding for annual expenses through discretionary offsetting collections derived from power receipts collected to recover those expenses. The budget also provides authority to use customer advances. The contributed customer funds will finance the capital replacement requirements of the projects.

Object Classification (in millions of dollars)

Identification code 089–5178–0–2–271	2023 actual	2024 est.	2025 est.
25.3 Direct obligations: Other goods and services from Federal sources	4	6	6
99.0 Reimbursable obligations	2	2	2
99.9 Total new obligations, unexpired accounts	6	8	8

COLORADO RIVER BASINS POWER MARKETING FUND, WESTERN AREA POWER ADMINISTRATION

Program and Financing (in millions of dollars)

Identification code 089–4452–0–3–271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0001 IUA	55		
0799 Total direct obligations	55		
0801 Program direction	73	80	84
0802 Equipment, Contracts and Related Expenses	116	455	500
0899 Total reimbursable obligations	189	535	584
0900 Total new obligations, unexpired accounts	244	535	584
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	182	288	288
1021 Recoveries of prior year unpaid obligations	9		
1070 Unobligated balance (total)	191	288	288
Budget authority:			
Spending authority from offsetting collections, discretionary:			
1700 Collected	342	535	584
1701 Change in uncollected payments, Federal sources	–1		
1750 Spending auth from offsetting collections, disc (total)	341	535	584
1900 Budget authority (total)	341	535	584
1930 Total budgetary resources available	532	823	872
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	288	288	288
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	83	72	281
3010 New obligations, unexpired accounts	244	535	584
3020 Outlays (gross)	–246	–326	–524
3040 Recoveries of prior year unpaid obligations, unexpired	–9		
3050 Unpaid obligations, end of year	72	281	341
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	–2	–1	–1
3070 Change in uncollected pymts, Fed sources, unexpired	1		
3090 Uncollected pymts, Fed sources, end of year	–1	–1	–1
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	81	71	280
3200 Obligated balance, end of year	71	280	340
Budget authority and outlays, net:			
Discretionary:			
4000 Budget authority, gross	341	535	584
Outlays, gross:			
4010 Outlays from new discretionary authority	67	119	130
4011 Outlays from discretionary balances	179	207	394
4020 Outlays, gross (total)	246	326	524
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4030 Federal sources	–9	–5	–9
4033 Non-Federal sources	–333	–530	–575
4040 Offsets against gross budget authority and outlays (total)	–342	–535	–584
Additional offsets against gross budget authority only:			
4050 Change in uncollected pymts, Fed sources, unexpired	1		
4080 Outlays, net (discretionary)	–96	–209	–60
4180 Budget authority, net (total)			
4190 Outlays, net (total)	–96	–209	–60

Western Area Power Administration's (WAPA) operation and maintenance (O&M) and power marketing expenses for the Colorado River Storage Project, the Seedskaadee Project, the Dolores

Project, the Olmsted Replacement Project, and the Fort Peck Project are financed from power revenues.

Colorado River Storage Project.—WAPA markets power and operates and maintains the power transmission facilities of the Colorado River Storage Project consisting of four major storage units: Glen Canyon on the Colorado River in Arizona, Flaming Gorge on the Green River in Utah, Navajo on the San Juan River in New Mexico, and the Wayne N. Aspinall unit on the Gunnison River in Colorado.

Seedskadee Project.—This project includes WAPA's expenses for O&M, power marketing, and transmission of hydroelectric power from the Fontenelle Dam power plant in southwestern Wyoming.

Dolores Project.—This project includes WAPA's expenses for O&M, power marketing, and transmission of hydroelectric power from power plants at McPhee Dam and Towaoc Canal in southwestern Colorado.

Fort Peck Project.—Revenues collected by WAPA are used to defray operation and maintenance and power marketing expenses associated with the power generation and transmission facilities of the Fort Peck Project, and WAPA operates and maintains the transmission system and performs power marketing functions.

Olmsted Replacement Project.—This project includes WAPA's expenses for power marketing of hydroelectric power from the Olmsted Power Plant in Northern Utah.

Equipment, Contracts and Related Expenses.—WAPA operates and maintains approximately 4,000 miles of transmission lines, substations, switchyards, communications, and control equipment associated with this fund. 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 O&M, and all capital invested in power, with interest. This activity provides for the supplies, materials, services, capital equipment replacements, and additions, including communications and control equipment, purchase power, transmission and wheeling services, and interest payments to the U.S. Treasury.

Program Direction.—The personnel compensation and related expenses for all these activities are quantified under Program Direction.

Object Classification (in millions of dollars)

Identification code 089-4452-0-3-271	2023 actual	2024 est.	2025 est.
25.2 Direct obligations: Other services from non-Federal sources	55		
Reimbursable obligations:			
Personnel compensation:			
11.1 Full-time permanent	34	41	43
11.5 Other personnel compensation	5	3	3
11.9 Total personnel compensation	39	44	46
12.1 Civilian personnel benefits	15	15	16
21.0 Travel and transportation of persons	2	2	2
22.0 Transportation of things	2	1	2
23.1 Rental payments to GSA		1	
23.3 Communications, utilities, and miscellaneous charges	2	2	1
25.1 Advisory and assistance services	7	8	8
25.2 Other services from non-Federal sources	82	413	464
25.3 Other goods and services from Federal sources	19	20	25
25.7 Operation and maintenance of equipment	3	2	2
26.0 Supplies and materials	6	3	3
31.0 Equipment	3	5	3
32.0 Land and structures	9	14	12
43.0 Interest and dividends		5	
99.0 Reimbursable obligations	189	535	584
99.9 Total new obligations, unexpired accounts	244	535	584

Employment Summary

Identification code 089-4452-0-3-271	2023 actual	2024 est.	2025 est.
2001 Reimbursable civilian full-time equivalent employment	285	311	302

BONNEVILLE POWER ADMINISTRATION FUND

Expenditures from the Bonneville Power Administration Fund, established pursuant to Public Law 93-454, are approved for official reception and representation expenses in an amount not to exceed \$5,000: Provided, That during fiscal year 2025, no new direct loan obligations may be made.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-4045-0-3-271	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0801 Power business line	2,348	941	1,010
0802 Residential exchange	267	267	267
0803 Bureau of Reclamation	162	154	157
0804 Corp of Engineers	261	260	270
0805 Colville settlement / Spokane settlement	32	28	28
0806 U.S. Fish & Wildlife	31	33	33
0807 Planning council	12	12	12
0808 Fish and Wildlife	245	269	268
0809 Reimbursable program activities, subtotal	3,358	1,964	2,045
0811 Transmission business line	566	578	596
0812 Conservation and energy efficiency	137	151	152
0813 Interest	218	171	168
0814 Pension and health benefits	39	38	38
0819 Reimbursable program activities, subtotal	960	938	954
0821 Power business line	207	270	276
0822 Transmission services	623	650	753
0824 Fish and Wildlife	15	41	41
0825 Capital Equipment	16	23	22
0826 Projects funded in advance	65	135	144
0829 Reimbursable program activities, subtotal	926	1,119	1,236
0900 Total new obligations, unexpired accounts	5,244	4,021	4,235
Budgetary resources:			
Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	8	7	515
1023 Unobligated balances applied to repay debt			-498
1070 Unobligated balance (total)	8	7	17
Budget authority:			
Appropriations, mandatory:			
1200 Appropriation	223		
1236 Appropriations applied to repay debt	-223		
Borrowing authority, mandatory:			
1400 Borrowing authority	722	985	1,093
Contract authority, mandatory:			
1600 Contract authority	1,933		
Spending authority from offsetting collections, mandatory:			
1800 Collected	4,385	4,209	4,395
1801 Change in uncollected payments, Federal sources	-133		
1802 Offsetting collections (previously unavailable)	10	7	7
1823 New and/or unobligated balance of spending authority from offsetting collections temporarily reduced	-10	-7	-7
1825 Spending authority from offsetting collections applied to repay debt	-394	-665	-633
1826 Spending authority from offsetting collections applied to liquidate contract authority	-1,270		
1850 Spending auth from offsetting collections, mand (total)	2,588	3,544	3,762
1900 Budget authority (total)	5,243	4,529	4,855
1930 Total budgetary resources available	5,251	4,536	4,872
Memorandum (non-add) entries:			
1941 Unexpired unobligated balance, end of year	7	515	637
Change in obligated balance:			
Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	3,449	3,787	3,776
3010 New obligations, unexpired accounts	5,244	4,021	4,235
3020 Outlays (gross)	-4,906	-4,032	-4,236
3050 Unpaid obligations, end of year	3,787	3,776	3,775
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-499	-366	-366
3070 Change in uncollected pymts, Fed sources, unexpired	133		
3090 Uncollected pymts, Fed sources, end of year	-366	-366	-366
Memorandum (non-add) entries:			
3100 Obligated balance, start of year	2,950	3,421	3,410
3200 Obligated balance, end of year	3,421	3,410	3,409
Budget authority and outlays, net:			
Mandatory:			
4090 Budget authority, gross	5,243	4,529	4,855
Outlays, gross:			
4100 Outlays from new mandatory authority	3,769	3,832	4,036
4101 Outlays from mandatory balances	1,137	200	200
4110 Outlays, gross (total)	4,906	4,032	4,236
Offsets against gross budget authority and outlays:			
Offsetting collections (collected) from:			
4120 Federal sources	-56	-90	-90

BONNEVILLE POWER ADMINISTRATION FUND—Continued
Program and Financing—Continued

Identification code 089-4045-0-3-271	2023 actual	2024 est.	2025 est.
4121 Interest on Federal securities	-69	-5	-8
4123 Non-Federal sources	-4,260	-4,114	-4,297
4130 Offsets against gross budget authority and outlays (total)	-4,385	-4,209	-4,395
Additional offsets against gross budget authority only:			
4140 Change in uncollected pymts, Fed sources, unexpired	133	.....	.....
4160 Budget authority, net (mandatory)	991	320	460
4170 Outlays, net (mandatory)	521	-177	-159
4180 Budget authority, net (total)	991	320	460
4190 Outlays, net (total)	521	-177	-159
Memorandum (non-add) entries:			
5000 Total investments, SOY: Federal securities: Par value	1,619	1,598	1,460
5001 Total investments, EOY: Federal securities: Par value	1,598	1,460	1,348
5050 Contract authority, SOY	1,270	1,933	1,933
5052 Contract authority, EOY	1,933	1,933	1,933
5090 Unexpired unavailable balance, SOY: Offsetting collections	10	10	10
5092 Unexpired unavailable balance, EOY: Offsetting collections	10	10	10

Status of Direct Loans (in millions of dollars)

Identification code 089-4045-0-3-271	2023 actual	2024 est.	2025 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 a 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 10 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 are operated as an integrated power system with operating and financial results combined and reported as the Federal Columbia River Power System (FCRPS). BPA provides about 50 percent of the region's electric energy supply and about three-fourths of the region's high-voltage 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 finances its operations with a business-type budget under the Government Corporation Control Act, 31 U.S.C. 9101-10, on the basis of the self-financing authority provided by the Federal Columbia River Transmission System Act of 1974 (Transmission Act) (Public Law 93-454) and the U.S. Treasury borrowing authority provided by the Transmission Act, the Pacific Northwest Electric Power Planning and Conservation Act (Pacific Northwest Power Act) (Public Law 96-501) for energy conservation, renewable energy resources, capital fish facilities, and other purposes, the American Recovery and Reinvestment Act of 2009 (Public Law 111-5), Infrastructure Investment and Jobs Act of 2021 (section 40110) (Public Law 117-58), and other legislation. Authority to borrow from the U.S. Treasury is available to the BPA on a permanent, indefinite basis. The amount of U.S. Treasury borrowing outstanding at any time cannot exceed \$17.70 billion. Section 40110 of the Infrastructure Investment and Jobs Act of 2021, Public Law 117-58, enacted on November 15, 2021, provided the Bonneville Administrator with \$10 billion in additional permanent borrowing authority "to assist in financing acquisition and replacement of the Federal Columbia Power System and to implement the authority of the Administrator of the Bonneville Power Administration". Section 40110 specifies that the "obligation" of the \$10 billion in additional borrowing authority shall not exceed \$6 billion by 2028. BPA is authorized by Congress to have outstanding at any time up to \$13.7 billion of bonds through 2027. Beginning in 2023, an additional \$4 billion will become available to have outstanding for a total of \$17.7 billion. BPA finances its approximate \$4.2 billion annual cost of operations and investments primarily using power and transmission revenues and loans from the U.S. Treasury.

Operating Expenses—Transmission Services.—Provides for operating over 15,100 circuit miles of high-voltage transmissions lines and 259 substations, and for maintaining the facilities and equipment of the Bonneville transmission system in 2025.

Power Services.—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. This activity 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. This activity provides for payment of the operation and maintenance (O&M) costs allocated to power the 31 U.S. Army Corps of Engineers and U.S. Bureau of Reclamation hydro projects, amortization on the capital investment in power generating facilities, and irrigation assistance at U.S. Bureau of Reclamation facilities. This activity also provides for the planning, contractual acquisition and oversight of reliable, cost effective conservation. It 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.

Interest.—Provides for payments to the U.S. Treasury for interest on U.S. Treasury borrowings to finance BPA's capital investments under \$17.70 billion of U.S. Treasury borrowing authority provided by the Transmission Act; the Pacific Northwest Power Act for energy conservation, renewable energy resources, capital fish facilities, and other purposes; the American Recovery and Reinvestment Act of 2009; Infrastructure Investment and Jobs Act of 2021, and other legislation. Section 40110 of the Infrastructure Investment and Jobs Act of 2021, Public Law 117-58, enacted on November 15, 2021, provided the Bonneville Administrator with \$10 billion in additional permanent borrowing authority "...to assist in financing acquisition and replacement of the Federal Columbia Power System and to implement the authority of the Administrator of the Bonneville Power Administration...". Section 40110 specifies that the "obligation" of the \$10 billion in additional borrowing authority shall not exceed \$6 billion by 2028. BPA is authorized by Congress to have outstanding at any time up to \$13.7 billion of bonds through 2027. Beginning in 2023, an additional \$4 billion will become available to have outstanding for a total of \$17.7 billion. This interest category also includes interest on U.S. Army Corps of Engineers, BPA and U.S. Bureau of Reclamation appropriated debt.

Capital Investments—Transmission Services.—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 Services.—Provides for direct funding of additions, improvements, and replacements at existing Federal hydroelectric projects in the Northwest. It 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. This activity provides for the planning, contractual acquisition and oversight of reliable, cost effective conservation.

Capital Equipment/Capitalized Bond Premium.—Provides for capital information technologies, office furniture and equipment, and software capital development in support of all BPA programs. It also provides for bond premiums incurred for refinancing of bonds.

Total Capital Obligations.—The 2025 capital obligations are estimated to be \$1,092.5 million.

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.

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 transmission 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. BPA has \$17.70 billion of U.S. Treasury borrowing authority provided by the Transmission Act; the Pacific Northwest Power Act for energy conservation, renewable energy resources, capital fish facilities, and other purposes; the American Recovery and Reinvestment Act of 2009; Infrastructure Investment and Jobs Act of 2021, and other legislation. Section 40110 of the Infrastructure Investment and Jobs Act of 2021, Public Law 117-58, enacted on November 15, 2021, provided the Bonneville Administrator with \$10 billion in additional permanent borrowing authority "...to assist in financing acquisition and replacement of the Federal Columbia Power System and to implement the authority of the Administrator of the Bonneville Power Administration". Section 40110 specifies that the "obligation" of the \$10 billion in additional borrowing authority shall not exceed \$6 billion by fiscal year 2028. BPA is authorized by Congress to have outstanding at any time up to \$13.7 billion of bonds through fiscal year 2027. Beginning in 2023, an additional \$4 billion will become available to have outstanding for a total of \$17.7 billion. At the end of 2023, BPA had outstanding bonds with the U.S. Treasury of \$7,916 million. At the end of 2023, BPA also had \$6,885.6 million of non-Federal debt outstanding, including Energy Northwest bonds. BPA will rely primarily on its U.S. Treasury borrowing authority to finance capital projects, but may also elect to use cash reserves generated by revenues from customers or seek third party financing sources when feasible to finance some of these investments.

In 2023, BPA made payments to the Treasury of \$1.021 billion and also expects to make payments of \$915 million in 2024 and \$885 million in 2025. The 2025 payment is expected to be distributed as follows: interest on bonds and appropriations (\$200 million), amortization (\$633 million), and other (\$53 million). BPA also received credits totaling approximately \$258 million applied against its Treasury payments in 2023 reflecting amounts diverted to fish mitigation efforts, but not allocable to power, in the Columbia and Snake River systems.

BPA, with input from its stakeholders, considers other strategies to sustain funding for its infrastructure investment requirements as well. BPA's Financial Plan defines strategies and policies for guiding how BPA will manage risk and variability of electricity markets and water years. It also describes how BPA will continue to manage to ensure it meets its Treasury repayment responsibilities.

Direct Loans.—During 2025, no new direct loan obligations may be made.

Operating Results.—Total revenues are forecast at approximately \$4.37 billion in 2025.

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 its employees. The entire cost of BPA and the power share of FCRPS U.S. Army Corps of Engineers and U.S. Bureau of Reclamation employees

working under the Federal Employees Retirement System is fully recovered in wholesale electric power and transmission rates.

Balance Sheet (in millions of dollars)

Identification code 089-4045-0-3-271	2022 actual	2023 actual
ASSETS:		
Federal assets:		
1101 Fund balances with Treasury	103	-78
Investments in U.S. securities:		
1102 Treasury securities, par	1,611	1,598
1106 Receivables, net	2	.....
1206 Non-Federal assets: Receivables, net	498	366
1601 Direct loans, gross .....	.....	.....
1605 Accounts receivable from foreclosed property .....	.....	.....
1699 Value of assets related to direct loans .....	.....	.....
Other Federal assets:		
1801 Cash and other monetary assets	3	3
1802 Inventories and related properties	109	121
1803 Property, plant and equipment, net	7,971	8,357
1901 Other assets	12,530	12,276
1999 Total assets	22,827	22,643
LIABILITIES:		
Federal liabilities:		
2102 Interest payable	60	46
2103 Debt	5,753	5,859
Non-Federal liabilities:		
2201 Accounts payable	566	698
2203 Debt	5,060	5,094
2207 Other	11,388	10,946
2999 Total liabilities	22,827	22,643
NET POSITION:		
3300 Cumulative results of operations .....	.....	.....
4999 Total liabilities and net position	22,827	22,643

Object Classification (in millions of dollars)

Identification code 089-4045-0-3-271	2023 actual	2024 est.	2025 est.
Reimbursable obligations:			
11.1 Personnel compensation: Full-time permanent	486	372	392
12.1 Civilian personnel benefits	207	159	167
21.0 Travel and transportation of persons	13	10	10
22.0 Transportation of things	1	1	1
23.2 Rental payments to others	39	30	31
23.3 Communications, utilities, and miscellaneous charges	13	10	10
25.1 Advisory and assistance services	175	134	141
25.2 Other services from non-Federal sources	3,751	2,877	3,032
25.5 Research and development contracts	2	2	2
26.0 Supplies and materials	45	34	36
31.0 Equipment	103	79	83
32.0 Land and structures	59	45	48
41.0 Grants, subsidies, and contributions	61	47	49
43.0 Interest and dividends	289	221	233
99.9 Total new obligations, unexpired accounts	5,244	4,021	4,235

Employment Summary

Identification code 089-4045-0-3-271	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	2,980	3,150	3,225

DEPARTMENTAL ADMINISTRATION**Federal Funds****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.), \$435,248,563, to remain available until September 30, 2026, including the hire of passenger motor vehicles and official reception and representation expenses not to exceed \$30,000, plus such additional amounts as necessary to cover increases in the estimated amount of cost of work for others notwithstanding the provisions of the Anti-Deficiency Act (31 U.S.C. 1511 et seq.): Provided, That such increases in cost of work are offset by revenue increases of the same or greater amount: Provided further, That moneys received by the Department for miscellaneous revenues estimated to total \$100,578,000 in fiscal year 2025 may be retained and used for operating expenses within this account, 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 as collections are received during the fiscal year so as to result in a final fiscal year 2025 appropriation from the general fund estimated at not more than \$334,670,563.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118-15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089-0228-0-1-276	2023 actual	2024 est.	2025 est.
Obligations by program activity:			
0003 Office of the Secretary	6	6	7
0004 Office of Congressional and Intergovernmental Affairs	6	6	7
0005 Office of Public Affairs	8	6	8
0006 General Counsel	33	35	41
0008 Energy Justice and Equity	30	30	37
0009 Chief Financial Officer	61	61	67
0010 Chief Information Officer	13	13	44
0011 Human Capital Management	38	38	39
0013 Office of Policy	23	23	34
0014 International Affairs	59	32	38
0015 Office of Small and Disadvantaged Business Utilization	4	4	5
0018 Management	68	68	77
0020 Project Management Oversight and Assessment	13	13	16
0030 Artificial Intelligence Technology Office	1	.....	.....
0035 Industrial Emissions and Technology Coordination .....	.....	.....	2
0045 Strategic partnership projects	13	13	13
0051 Departmental Administration, Infrastructure Investment and Jobs Act .....	.....	14	14
0052 Ukraine Supplemental .....	.....	2	.....
0799 Total direct obligations	376	364	449
0801 Departmental Administration (Reimbursable)	14	41	43
0900 Total new obligations, unexpired accounts	390	405	492

Budgetary resources:

Unobligated balance:			
1000 Unobligated balance brought forward, Oct 1	140	179	158
1001 Discretionary unobligated balance brought fwd, Oct 1	139	.....	.....
1011 Unobligated balance transfer from other acct [072-1037]	13	.....	.....
1021 Recoveries of prior year unpaid obligations	1	.....	.....
1070 Unobligated balance (total)	154	179	158
Budget authority:			
Appropriations, discretionary:			
1100 Appropriation	250	283	335
Advance appropriations, discretionary:			
1173 Advance appropriations transferred from other accounts [089-2297]	5	.....	.....
1173 Advance appropriations transferred from other accounts [089-0319]	1	.....	.....
1173 Advance appropriations transferred from other accounts [089-0318]	2	.....	.....
1173 Advance appropriations transferred from other accounts [089-0321]	2	.....	.....
1173 Advance appropriations transferred from other accounts [089-0213]	1	.....	.....
1173 Advance appropriations transferred from other accounts [089-2300]	2	.....	.....
1180 Advanced appropriation, discretionary (total)	13	.....	.....
Spending authority from offsetting collections, discretionary:			
1700 Collected	141	101	102
1701 Change in uncollected payments, Federal sources	41	.....	.....
1750 Spending auth from offsetting collections, disc (total)	182	101	102
1900 Budget authority (total)	445	384	437
1930 Total budgetary resources available	599	563	595
Memorandum (non-add) entries:			
1940 Unobligated balance expiring	-30	.....	.....
1941 Unexpired unobligated balance, end of year	179	158	103

Change in obligated balance:

Unpaid obligations:			
3000 Unpaid obligations, brought forward, Oct 1	142	158	.....
3010 New obligations, unexpired accounts	390	405	492
3020 Outlays (gross)	-369	-563	-433
3040 Recoveries of prior year unpaid obligations, unexpired	-1	.....	.....
3041 Recoveries of prior year unpaid obligations, expired	-4	.....	.....
3050 Unpaid obligations, end of year	158	.....	59
Uncollected payments:			
3060 Uncollected pymts, Fed sources, brought forward, Oct 1	-11	-52	-52
3070 Change in uncollected pymts, Fed sources, unexpired	-41	.....	.....

DEPARTMENTAL ADMINISTRATION—Continued
Program and Financing—Continued

Identification code 089–0228–0–1–276		2023 actual	2024 est.	2025 est.
3090	Uncollected pymts, Fed sources, end of year	–52	–52	–52
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	131	106	–52
3200	Obligated balance, end of year	106	–52	7
Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	445	384	437
Outlays, gross:				
4010	Outlays from new discretionary authority	216	303	353
4011	Outlays from discretionary balances	153	260	80
4020	Outlays, gross (total)	369	563	433
Offsets against gross budget authority and outlays:				
Offsetting collections (collected) from:				
4030	Federal sources	–57	–40	–41
4033	Non-Federal sources	–84	–61	–61
4040	Offsets against gross budget authority and outlays (total)	–141	–101	–102
Additional offsets against gross budget authority only:				
4050	Change in uncollected pymts, Fed sources, unexpired	–41		
4060	Additional offsets against budget authority only (total)	–41		
4070	Budget authority, net (discretionary)	263	283	335
4080	Outlays, net (discretionary)	228	462	331
4180	Budget authority, net (total)	263	283	335
4190	Outlays, net (total)	228	462	331

Office of the Secretary (OSE).—Directs and leads the management of the Department and provides policy guidance to line and staff organizations in the accomplishment of DOE's mission.

Congressional and Intergovernmental Affairs (CI).—Responsible for DOE's liaison, communication, coordinating, directing, and promoting the Department's policies and legislative initiatives with Congress, State, territorial, Tribal and local government officials, and other Federal agencies.

Public Affairs (PA).—Responsible for directing and managing the Department's policies and initiatives with the public, news media, and other stakeholders. PA serves as the Department's chief spokesperson with the news media, shapes initiatives aimed at educating the press and public about DOE issues, builds and maintains the Energy.gov platform.

General Counsel (GC).—Responsible for providing legal services to all Department offices, and for determining the Department's authoritative position on any question of law with respect to all Department offices and programs, except for those belonging exclusively to the Federal Energy Regulatory Commission. GC is responsible for the coordination and clearance of proposed legislation affecting energy policy and Department activities. GC administers and monitors standards of conduct requirements, conducts patent program and intellectual property activities, and coordinates rulemaking actions of the Department with other Federal agencies.

Energy Justice and Equity (EJE formerly Economic Impact and Diversity (ED)).—Develops and executes DOE policies to implement applicable statutes and Executive Orders that impact diversity goals affecting equal employment opportunities, minority businesses, minority educational institutions, and historically underrepresented communities. EJE serves as central coordinator and departmental subject matter expert on equity and justice across the DOE complex and labs.

Chief Financial Officer (CFO).—Ensures the effective management and financial integrity of DOE programs, activities, and resources by developing, implementing, and monitoring DOE-wide policies and systems in the areas of budget administration, finance and accounting, internal controls and financial policy, corporate financial systems, and strategic planning. The 2025 Request CFO supports Evidence Act implementation to oversee or execute evaluations that align with program evaluation standards.

Chief Information Officer (CIO).—Provides advice and assistance to the Secretary and other senior managers to ensure that information technology is acquired and information resources are managed in a manner that complies with Administration policies and procedures and statutory requirements. The 2025 request includes significant investments that continue to address Cybersecurity vulnerabilities, implementation of Executive Order 14028 focusing on zero trust architecture, enhanced logging, security licensing, universal encryption, and multifactor authentication.

Chief Human Capital Officer (HC).—Provides DOE leadership on the impact and use of policies, proposals, programs, partnership agreements and relationships related to all aspects of human capital management. HC seeks solutions that address workforce issues in the areas of recruiting, hiring, motivating, succession planning, competency development, training and learning, retention, and diversity.

Office of Policy (OP).—Serves as the principal policy office advising the Secretary of Energy and performing priority policy analyses across the Department's activities, focused on technology; infrastructure; state, local, and tribal activities; and energy jobs, and Arctic Energy coordination. The 2025 request supports expanded capabilities to provide statistical analysis and dashboard tracking and reporting related to climate, economic, environmental, and security goals to be used across the government.

International Affairs (IA).—Advises Departmental leadership on strategic implementation of U.S. international energy policy and supports DOE's mission to ensure America's security and prosperity by addressing its energy, environmental, and climate challenges through innovative

science and technology solutions. IA develops and leads the Department's bilateral and multilateral R&D cooperation, connecting DOE's program offices to advantageous international relationships.

Office of Small and Disadvantaged Business Utilization (OSDBU).—Responsible for maximizing contracting and subcontracting opportunities for small businesses interested in doing business with the Department. A primary responsibility of OSDBU is to work in partnership with Departmental program elements to achieve prime and subcontracting small business goals set forth by statute and the U.S. Small Business Administration.

Office of Management (MA).—Provides DOE with centralized direction and oversight for the full range of management, procurement and administrative services. MA is responsible for contract management policy development and oversight, acquisition and contract administration, and delivery of procurement services to DOE headquarters organizations. MA activities include the management of headquarters facilities, Department-wide implementation of Federal sustainability goals, purchase or lease of Zero Emission Vehicles (ZEVs) within agency-owned vehicle fleets or as part of a transition from GSA-leased gas-powered vehicles to GSA-leased ZEVs, and related charging infrastructure and program costs.

Project Management Oversight and Assessment (PM).—Provides DOE corporate oversight, managerial leadership and assistance in developing and implementing DOE-wide policies, procedures, programs, and management systems pertaining to project management, and manages the project management career development program for DOE's Federal Project Directors. PM also provides cost estimating and program evaluation assistance to DOE program offices.

Strategic Partnership Programs (SPP).—Covers the cost of work performed under orders placed with the Department by non-DOE entities that are precluded by law from making advance payments and certain revenue programs. Reimbursement of these costs is made through deposits of offsetting collections to this account.

Industrial Emissions and Technology Coordination (IETC).—Established in 2025, supports coordination of industrial emissions and technologies across the Department focusing on work that is both sector-specific and technology-inclusive for energy intensive industries.

Object Classification (in millions of dollars)

Identification code 089–0228–0–1–276		2023 actual	2024 est.	2025 est.
Direct obligations:				
Personnel compensation:				
11.1	Full-time permanent	122	115	136
11.3	Other than full-time permanent	9	9	10
11.5	Other personnel compensation	5	5	7
11.9	Total personnel compensation	136	129	153
12.1	Civilian personnel benefits	47	46	65
21.0	Travel and transportation of persons	5	5	7
23.3	Communications, utilities, and miscellaneous charges	8	7	9
24.0	Pamphlets, Documents, Subscriptions and Publications	2	2	3
25.1	Advisory and assistance services	64	66	88
25.2	Other services from non-Federal sources	22	20	24
25.3	Other goods and services from Federal sources	40	40	43
25.4	Operation and maintenance of facilities	44	41	46
25.7	Other Contractual Services	7	7	10
31.0	Equipment	1	1	1
99.0	Direct obligations	376	364	449
99.0	Reimbursable obligations	14	41	43
99.9	Total new obligations, unexpired accounts	390	405	492

Employment Summary

Identification code 089–0228–0–1–276		2023 actual	2024 est.	2025 est.
1001	Direct civilian full-time equivalent employment	1,006	1,006	1,224

OFFICE OF THE INSPECTOR GENERAL

For expenses necessary for the Office of the Inspector General in carrying out the provisions of the Inspector General Act of 1978, \$149,000,000, to remain available until expended.

Note.—A full-year 2024 appropriation for this account was not enacted at the time the Budget was prepared; therefore, the Budget assumes this account is operating under the Continuing Appropriations Act, 2024 and Other Extensions Act (Division A of Public Law 118–15, as amended). The amounts included for 2024 reflect the annualized level provided by the continuing resolution.

Program and Financing (in millions of dollars)

Identification code 089–0236–0–1–276		2023 actual	2024 est.	2025 est.
Obligations by program activity:				
0001	Office of the Inspector General	88	86	149
0050	Inflation Reduction Act		5	5
0799	Total direct obligations	88	91	154

0801	Reimbursable program activity	3	3	3
0900	Total new obligations, unexpired accounts	91	94	157
Budgetary resources:				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1	57	67	71
1001	Discretionary unobligated balance brought fwd, Oct 1	37		
1011	Unobligated balance transfer from other acct [089-0318]			4
1070	Unobligated balance (total)	57	67	75
Budget authority:				
Appropriations, discretionary:				
1100	Appropriation	86	86	149
Advance appropriations, discretionary:				
1170	Advance appropriation		10	11
1173	Advance appropriations transferred from other accounts [089-0319]	1		
1173	Advance appropriations transferred from other accounts [089-0213]	2		
1173	Advance appropriations transferred from other accounts [089-0318]	2		
1173	Advance appropriations transferred from other accounts [089-0321]	2		
1173	Advance appropriations transferred from other accounts [089-2297]	4		
1173	Advance appropriations transferred from other accounts [089-2300]	2		
1180	Advanced appropriation, discretionary (total)	13	10	11
Spending authority from offsetting collections, discretionary:				
1700	Collected	2	2	2
1900	Budget authority (total)	101	98	162
1930	Total budgetary resources available	158	165	237
Memorandum (non-add) entries:				
1941	Unexpired unobligated balance, end of year	67	71	80
Change in obligated balance:				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1	12	26	22
3010	New obligations, unexpired accounts	91	94	157
3020	Outlays (gross)	-77	-98	-154
3050	Unpaid obligations, end of year	26	22	25
Uncollected payments:				
3060	Uncollected pymts, Fed sources, brought forward, Oct 1	-2	-2	-2
3090	Uncollected pymts, Fed sources, end of year	-2	-2	-2
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	10	24	20
3200	Obligated balance, end of year	24	20	23
Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	101	98	162
Outlays, gross:				
4010	Outlays from new discretionary authority	48	83	137
4011	Outlays from discretionary balances	27	13	15
4020	Outlays, gross (total)	75	96	152
Offsets against gross budget authority and outlays:				
Offsetting collections (collected) from:				
4030	Federal sources	-2	-2	-2
Mandatory:				
Outlays, gross:				
4101	Outlays from mandatory balances	2	2	2
4180	Budget authority, net (total)	99	96	160
4190	Outlays, net (total)	75	96	152

The Office of Inspector General (OIG) provides Department-wide (including the National Nuclear Security Administration and the Federal Energy Regulatory Commission) audit, inspection, and investigative functions, supported by the use of data analytics, to identify and recommend corrections for management and administrative deficiencies, which create conditions for existing or potential instances of fraud, waste, abuse or violations of law. The audit function provides financial, information technology and cybersecurity, and performance audits of programs and operations, as well as audits of the cost incurred under the Department's management and operating contracts. The inspection function provides independent inspection and analysis of the performance of programs and operations. The investigative function provides for the detection and investigation of improper and illegal activities involving programs, personnel, and operations. The data analytics function uses authoritative, transactional data sourced from across the Department's programs and operations, to enable a deeper understanding of the Department's systemic and specific risks, and prioritize identification of high-risk anomalies for resolution through audits, inspections, or investigations. Through all these efforts, the OIG identifies opportunities for cost savings and operational efficiency; identifies programs that are not meeting performance expectations; recovers monies to the Department and the Treasury as a result of civil and criminal prosecutions; works to identify, deter, and support the Department to prevent fraud, waste and abuse; and identifies ways to make Departmental programs safer and more secure.

Object Classification (in millions of dollars)

Identification code 089-0236-0-1-276		2023 actual	2024 est.	2025 est.
Direct obligations:				
Personnel compensation:				
11.1	Full-time permanent	36	38	63
11.5	Other personnel compensation	3	3	6
11.9	Total personnel compensation	39	41	69
12.1	Civilian personnel benefits	17	18	28
21.0	Travel and transportation of persons	1	1	6
25.1	Advisory and assistance services	10	12	21
25.2	Other services from non-Federal sources	2	2	8
25.3	Other goods and services from Federal sources	17	18	23
31.0	Equipment	2	2	2
99.0	Direct obligations	88	94	157
99.0	Reimbursable obligations	3		
99.9	Total new obligations, unexpired accounts	91	94	157

Employment Summary

Identification code 089-0236-0-1-276	2023 actual	2024 est.	2025 est.
1001 Direct civilian full-time equivalent employment	282	282	430

WORKING CAPITAL FUND

Program and Financing (in millions of dollars)

Identification code 089-4563-0-4-276	2023 actual	2024 est.	2025 est.	
Obligations by program activity:				
0802	Project management and career development program	2	2	2
0810	Supplies	1	2	2
0812	Copying Services	2	4	4
0813	Printing and graphics	5	5	5
0814	Building Occupancy (Rent, Operations & Maintenance)	100	119	119
0815	Corporate Business Systems	47	56	56
0816	Mail and Transportation Services	4	5	5
0817	Financial Statement Audits	12	12	12
0818	Procurement Management	12	14	14
0820	Telecommunication	45	42	42
0821	Overseas Presence	10	18	18
0822	Interagency Transfers	7	9	9
0823	Health Services	2	2	2
0825	Corporate Training Services	3	3	3
0826	A-123 / Internal Controls	2	2	2
0827	Pension Studies .....	.....	1	1
0900	Total new obligations, unexpired accounts	254	296	296
Budgetary resources:				
Unobligated balance:				
1000	Unobligated balance brought forward, Oct 1	79	94	87
1021	Recoveries of prior year unpaid obligations	4	.....	.....
1070	Unobligated balance (total)	83	94	87
Budget authority:				
Spending authority from offsetting collections, discretionary:				
1700	Collected	265	289	288
1930	Total budgetary resources available	348	383	375
Memorandum (non-add) entries:				
1941	Unexpired unobligated balance, end of year	94	87	79
Change in obligated balance:				
Unpaid obligations:				
3000	Unpaid obligations, brought forward, Oct 1	131	128	19
3010	New obligations, unexpired accounts	254	296	296
3020	Outlays (gross)	-253	-405	-288
3040	Recoveries of prior year unpaid obligations, unexpired	-4	.....	.....
3050	Unpaid obligations, end of year	128	19	27
Memorandum (non-add) entries:				
3100	Obligated balance, start of year	131	128	19
3200	Obligated balance, end of year	128	19	27
Budget authority and outlays, net:				
Discretionary:				
4000	Budget authority, gross	265	289	288
Outlays, gross:				
4010	Outlays from new discretionary authority	79	277	276

WORKING CAPITAL FUND—Continued
Program and Financing—Continued

Identification code 089-4563-0-4-276	2023 actual	2024 est.	2025 est.
4011 Outlays from discretionary balances	174	128	12
4020 Outlays, gross (total)	253	405	288
Offsets against gross budget authority and outlays: Offsetting collections (collected) from:			
4030 Federal sources	-265	-289	-288
4180 Budget authority, net (total)			
4190 Outlays, net (total)	-12	116	

The Department's Working Capital Fund (WCF) provides the following shared services: rent and building operations, telecommunications, cybersecurity, automated office systems including the Standard Accounting and Reporting System, Strategic Integrated Procurement Enterprise System, payment processing, payroll and personnel processing, administrative services, training and health services, overseas representation, interagency transfers, procurement management, audits, and controls for financial reporting. The WCF assists the Department in improving operational efficiency.

Object Classification (in millions of dollars)

Identification code 089-4563-0-4-276	2023 actual	2024 est.	2025 est.
Reimbursable obligations:			
Personnel compensation:			
11.1 Full-time permanent	12	15	15
11.5 Other personnel compensation	1	1	1
11.8 Special personal services payments	1	1	1
11.9 Total personnel compensation	14	17	17
12.1 Civilian personnel benefits	7	6	6
21.0 Travel and transportation of persons	1	1	1
22.0 Transportation of things	2	1	1
23.1 Rental payments to GSA	39	76	76
23.3 Communications, utilities, and miscellaneous charges	18	23	23
24.0 Printing and reproduction	4	3	3
25.1 Advisory and assistance services	39	43	43
25.2 Other services from non-Federal sources	4	16	16
25.3 Other goods and services from Federal sources	78	57	57
25.4 Operation and maintenance of facilities	38	43	43
25.6 Medical care	1		
25.7 Operation and maintenance of equipment	1	1	1
26.0 Supplies and materials	1	1	1
31.0 Equipment	1	1	1
32.0 Land and structures	6	7	7
99.0 Reimbursable obligations	254	296	296
99.9 Total new obligations, unexpired accounts	254	296	296

Employment Summary

Identification code 089-4563-0-4-276	2023 actual	2024 est.	2025 est.
2001 Reimbursable civilian full-time equivalent employment	94	117	117

GENERAL FUND RECEIPT ACCOUNTS

(in millions of dollars)

	2023 actual	2024 est.	2025 est.
Offsetting receipts from the public:			
089-089400 Fees and Recoveries, Federal Energy Regulatory Commission	3	9	9
089-143500 General Fund Proprietary Interest Receipts, not Otherwise Classified		4	4
089-223400 Sale of Strategic Petroleum Reserve Oil	1,911		95
089-224500 Sale and Transmission of Electric Energy, Falcon Dam	1	1	1
089-224700 Sale and Transmission of Electric Energy, Southwestern Power Administration	29	15	17
089-224800 Sale and Transmission of Electric Energy, Southeastern Power Administration	136	131	155
089-267910 Title 17 Innovative Technology Loan Guarantees, Negative Subsidies	15	7	2
089-279530 DOE ATM Direct Loans Downward Reestimate Account	81	162	
089-279730 DOE Loan Guarantees Downward Reestimate Account	224	171	
089-288900 Repayments on Miscellaneous Recoverable Costs, not Otherwise Classified	49	38	38

089-322000 All Other General Fund Proprietary Receipts Including Budget Clearing Accounts	54	14	14
General Fund Offsetting receipts from the public	2,503	552	335

Intragovernmental payments:

089-388500 Undistributed Intragovernmental Payments and Receivables from Cancelled Accounts	22		
General Fund Intragovernmental payments	22		

GENERAL PROVISIONS—DEPARTMENT OF ENERGY

SEC. 301. (a) No appropriation, funds, or authority made available by this title for the Department of Energy shall be used to initiate or resume any program, project, or activity or to prepare or initiate Requests For Proposals or similar arrangements (including Requests for Quotations, Requests for Information, and Funding Opportunity Announcements) for a program, project, or activity if the program, project, or activity has not been funded by Congress.

(b)

(1) Unless the Secretary of Energy notifies the Committees on Appropriations of both Houses of Congress at least 3 full business days in advance, none of the funds made available in this title may be used to—

(A) make a grant allocation or discretionary grant award totaling \$1,000,000 or more;

(B) make a discretionary contract award or Other Transaction Agreement totaling \$1,000,000 or more, including a contract covered by the Federal Acquisition Regulation;

(C) issue a letter of intent to make an allocation, award, or Agreement in excess of the limits in subparagraph (A) or (B); or

(D) announce publicly the intention to make an allocation, award, or Agreement in excess of the limits in subparagraph (A) or (B).

(2) The Secretary of Energy shall submit to the Committees on Appropriations of both Houses of Congress within 15 days of the conclusion of each quarter a report detailing each grant allocation or discretionary grant award totaling less than \$1,000,000 provided during the previous quarter.

(3) The notification required by paragraph (1) and the report required by paragraph (2) shall include the recipient of the award, the amount of the award, the fiscal year for which the funds for the award were appropriated, the account and program, project, or activity from which the funds are being drawn, the title of the award, and a brief description of the activity for which the award is made.

(c) The Department of Energy may not, with respect to any program, project, or activity that uses budget authority made available in this title under the heading "Department of Energy—Energy Programs", enter into a multiyear contract, award a multiyear grant, or enter into a multiyear cooperative agreement unless—

(1) the contract, grant, or cooperative agreement is funded for the full period of performance as anticipated at the time of award; or

(2) the contract, grant, or cooperative agreement includes a clause conditioning the Federal Government's obligation on the availability of future year budget authority and the Secretary notifies the Committees on Appropriations of both Houses of Congress at least 3 days in advance.

(d) Except as provided in subsections (e), (f), and (g), the amounts made available by this title shall be expended as authorized by law for the programs, projects, and activities specified in the "Final Bill" column in the "Department of Energy" table included under the heading "Title III—Department of Energy" in the explanatory statement described in section 4 (in the matter preceding division A of this consolidated Act).

(e) The amounts made available by this title may be reprogrammed for any program, project, or activity, and the Department shall notify the Committees on Appropriations of both Houses of Congress at least 30 days prior to the use of any proposed reprogramming that would cause any program, project, or activity funding level to increase or decrease by more than \$5,000,000 or 10 percent, whichever is less, during the time period covered by this Act.

(f) None of the funds provided in this title shall be available for obligation or expenditure through a reprogramming of funds that—

(1) creates, initiates, or eliminates a program, project, or activity;

(2) increases funds or personnel for any program, project, or activity for which funds are denied or restricted by this Act; or

(3) reduces funds that are directed to be used for a specific program, project, or activity by this Act.

(g)

(1) The Secretary of Energy may waive any requirement or restriction in this section that applies to the use of funds made available for the Department of

Energy if compliance with such requirement or restriction would pose a substantial risk to human health, the environment, welfare, or national security.

(2) The Secretary of Energy shall notify the Committees on Appropriations of both Houses of Congress of any waiver under paragraph (1) as soon as practicable, but not later than 3 days after the date of the activity to which a requirement or restriction would otherwise have applied. Such notice shall include an explanation of the substantial risk under paragraph (1) that permitted such waiver.

(h) The unexpended balances of prior appropriations provided for activities in this Act may be available to the same appropriation accounts for such activities established pursuant to this title. Available balances 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.

(i) Subsections (d), (e), and (f) shall not apply to funds made available in this Act for applied energy research, development, demonstration, and commercial application that are utilized pursuant to section 1001 of the Energy Policy Act of 2005 (42 U.S.C. 16391). Administration and selection of awards pursuant to such section will be in coordination with the offices that oversee the appropriations accounts to which the relevant funding was originally appropriated.

SEC. 302. Funds appropriated by this or any other Act, or made available by the transfer of funds in this Act, for intelligence activities are deemed to be specifically authorized by the Congress for purposes of section 504 of the National Security Act of 1947 (50 U.S.C. 3094) during fiscal year 2024 until the enactment of the Intelligence Authorization Act for fiscal year 2023.

SEC. 303. None of the funds made available in this title shall be used for the construction of facilities classified as high-hazard nuclear facilities under 10 CFR Part 830 unless independent oversight is conducted by the Office of Enterprise Assessments to ensure the project is in compliance with nuclear safety requirements.

SEC. 304. None of the funds made available in this title may be used to approve critical decision-2 or critical decision-3 under Department of Energy Order 413.3B, or any successive departmental guidance, for construction projects where the total project cost exceeds \$100,000,000, until a separate independent cost estimate has been developed for the project for that critical decision.

SEC. 305. Notwithstanding section 161 of the Energy Policy and Conservation Act (42 U.S.C. 6241), upon a determination by the President in this fiscal year that a regional supply shortage of refined petroleum product of significant scope and duration exists, that a severe increase in the price of refined petroleum product will likely result from such shortage, and that a draw down and sale of refined petroleum product would assist directly and significantly in reducing the adverse impact of such shortage, the Secretary of Energy may draw down and sell refined petroleum product from the Strategic Petroleum Reserve. Proceeds from a sale under this section shall be deposited into the SPR Petroleum Account established in section 167 of the Energy Policy and Conservation Act (42 U.S.C. 6247), and such amounts

shall be available for obligation, without fiscal year limitation, consistent with that section.

SEC. 306. No funds shall be transferred directly from "Department of Energy—Power Marketing Administration—Colorado River Basins Power Marketing Fund, Western Area Power Administration" to the general fund of the Treasury in the current fiscal year.

SEC. 307. None of the funds made available in this title may be used to support a grant allocation award, discretionary grant award, or cooperative agreement that exceeds \$100,000,000 in Federal funding unless the project is carried out through internal independent project management procedures.

SEC. 308. From the unobligated balances of amounts made available to the Department of Energy to carry out activities to improve the resilience of the Puerto Rican electric grid under Public Law 117-328, thirty-five hundredths of one percent of the amounts made available under that section shall be transferred no later than September 30, 2025, to the Office of Inspector General of the Department of Energy to carry out the provisions of the Inspector General Act of 1978, to remain available until expended: Provided, That any amounts so transferred that were previously designated by the Congress as an emergency requirement pursuant to the Balanced Budget and Emergency Deficit Control Act of 1985 or a concurrent resolution on the budget are designated by the Congress as an emergency requirement pursuant to section 251(b)(2)(A)(i) of the Balanced Budget and Emergency Deficit Control Act of 1985: Provided further, That such amounts shall be available only if the President designates such amount as an emergency requirement pursuant to section 251(b)(2)(A)(i).

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 18 U.S.C. 1913.

SEC. 502. None of the funds made available by this Act may be used in contravention of Executive Order No. 12898 of February 11, 1994 (Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations).

SEC. 503. (a) None of the funds made available in this Act may be used to maintain or establish a computer network unless such network blocks the viewing, downloading, and exchanging of pornography.

(b) Nothing in subsection (a) shall limit the use of funds necessary for any Federal, State, Tribal, or local law enforcement agency or any other entity carrying out criminal investigations, prosecution, or adjudication activities.

