

*Additional Funding for Ongoing Work.*—The agreement includes funds above the budget request for Water and Related Resources studies, projects, and activities. This funding is for additional work that either was not included in the budget request or was inadequately budgeted. Priority in allocating these funds should be given to advance and complete ongoing work, including preconstruction activities and where environmental compliance has been completed; improve water supply reliability; improve water deliveries; enhance national, regional, or local economic development; promote job growth; advance tribal and nontribal water settlement studies and activities; or address critical backlog maintenance and rehabilitation activities.

Of the additional funding provided under the heading “Water Conservation and Delivery”, \$134,000,000 shall be for water storage projects as authorized in section 4007 of the Water Infrastructure Improvements for the Nation (WIIN) Act (Public Law 114-322).

Of the additional funding provided under the heading “Water Conservation and Delivery”, \$50,000,000 shall be for implementing the Drought Contingency Plan in the Lower Colorado River Basin to create or conserve recurring Colorado River water that contributes to supplies in Lake Mead and other Colorado River water reservoirs in the Lower Colorado River Basin or projects to improve the long-term efficiency of operations in the Lower Colorado River Basin, consistent with the Secretary’s obligations under the Colorado River Drought Contingency Plan Authorization Act (Public Law 116-14) and related agreements. None of these funds shall be used for the operation of the Yuma Desalting Plant and nothing in this section shall be construed as limiting existing or future opportunities to augment the water supplies of the Colorado River.

Of the additional funding provided under the heading “Water Conservation and Delivery”, not less than \$20,000,000 shall be for the planning, pre-construction, or construction activities related to projects found to be feasible by the Secretary and that are ready to be initiated for the repair of critical Reclamation canals where operational conveyance capacity has been seriously impaired by factors such as age or land subsidence, especially those that would imminently jeopardize Reclamation’s ability to meet water delivery obligations in drought-prone states, of which not less than \$5,000,000 shall be for the Friant-Kern Canal, San Luis Canal, and Delta Mendota Canal.

Of the additional funding provided under the heading “Water Conservation and Delivery”, not less than \$10,000,000 shall be allocated to aquifer recharge projects. Reclamation is reminded that projects authorized pursuant to section 40910 of Public Law 117-58 are eligible to compete for these funds.

Of the additional funding provided under the heading “Fish Passage and Fish Screens”, \$6,000,000 shall be for the Anadromous Fish Screen Program.

Of the additional funding provided under the heading “Environmental Restoration or Compliance”, not less than \$20,000,000 shall be for activities authorized under sections 4001 and 4010 of the WIIN Act (Public Law 114-322) or as set forth in federal-state plans for restoring threatened and endangered fish species affected by the operation of Reclamation’s water projects.

Not later than 45 days after enactment of this Act, Reclamation shall provide to the Committees a report delineating how the additional funds in this account are to be distributed, in which phase the work is to be accomplished, and an explanation of the criteria and rankings used to justify each allocation.

Reclamation is reminded that voluntary funding in excess of legally required cost shares for rural water projects is acceptable but shall not be used by Reclamation as a criterion for allocating additional funding provided in this agreement or for budgeting in future years.

Reclamation is reminded that the following activities are eligible to compete for funding under the appropriate heading: activities authorized under Indian Water Rights Settlements; all authorized rural water projects, including those with tribal components, those with non-tribal components, and those with both; water storage and beneficial use; ongoing work, including preconstruction activities, on projects that provide new or existing water supplies through additional infrastructure; and activities authorized under section 206 of Public Law 113-235.

*Aquatic Ecosystem Restoration Program.*—The agreement includes an additional \$3,250,000 for studies or projects that will develop alternative pumping sites in a location to produce multiple benefits including dewatering of river segments, improved water quality, and reliable water delivery.

*Land Resources Management Program.*—The agreement includes no direction.

*Research and Development: Desalination and Water Purification Program.*—The agreement includes \$12,000,000 for desalination projects as authorized in section 4009(a) of the WIIN Act (Public Law 114-322). Reclamation shall not impose administrative project cost caps and shall use the statutory Federal cost share for section 4009(a) projects.

*Research and Development: Science and Technology Program.*—The agreement provides \$5,000,000 for Reclamation’s Airborne Snow Observatory (ASO) program to support implementation of ASO flights and \$1,500,000 for continued collaboration with the U.S. Department of Agriculture and the National Oceanic Atmospheric Administration on efforts to improve real-time and derived snow water information.

*WaterSMART Program: Open Evapotranspiration System.*—The agreement reiterates Senate direction and notes concerns related to privacy, data quality, and potential regulatory impacts. The briefing shall also include Reclamation’s assessment of these concerns and any potential solutions.

*WaterSMART Program: Title XVI Water Reclamation & Reuse Program.*—The agreement includes \$20,000,000 for water recycling and reuse projects as authorized in section 4009(c) of the WIIN Act (Public Law 114-322).

#### CENTRAL VALLEY PROJECT RESTORATION FUND

The agreement provides an indefinite appropriation, which allows Reclamation to expend funds collected in fiscal year 2024. The estimate of collections in fiscal year 2024 is \$48,508,000.

#### CALIFORNIA BAY-DELTA RESTORATION (INCLUDING TRANSFERS OF FUNDS)

The agreement provides \$33,000,000 for the California Bay-Delta Restoration Program.

#### POLICY AND ADMINISTRATION

The agreement provides \$66,794,000 for Policy and Administration.

#### ADMINISTRATIVE PROVISION

The agreement includes a provision limiting Reclamation to purchase not more than thirty passenger vehicles for replacement only.

#### GENERAL PROVISIONS—DEPARTMENT OF THE INTERIOR

The agreement includes a provision outlining the circumstances under which the Bureau of Reclamation may reprogram funds.

The agreement includes a provision regarding the San Luis Unit and Kesterson Reservoir in California.

The agreement includes a provision regarding section 9504(e) of the Omnibus Public Land Management Act of 2009 (Public Law 111-11).

The agreement includes a provision regarding the Calfed Bay-Delta Authorization Act.

The agreement includes a provision regarding section 9106(g)(2) of the Omnibus Public Land Management Act of 2009.

The agreement includes a provision regarding the Reclamation States Emergency Drought Relief Act of 1991.

The agreement includes a provision regarding section 9503(f) of the Omnibus Public Land Management Act of 2009.

#### TITLE III—DEPARTMENT OF ENERGY

The agreement provides \$50,246,754,000 for the Department of Energy to fund programs in its primary mission areas of science, energy, environment, and national security.

*Staff Augmentation.*—The Department is directed to provide to the Committees not later than 60 days after enactment of this Act a report detailing the number, position, assignment duration, and cost, if reimbursable by the Department, of laboratory contractor employees and Intergovernmental Personnel Act assignees augmenting senior federal and political appointee positions.

#### CROSSCUTTING INITIATIVES

The agreement notes that the funding levels specified in the Crosscutting Initiatives are an estimate of directives included in specific accounts across the Department.

*Carbon Dioxide Removal.*—The agreement provides not less than \$118,000,000 for carbon dioxide removal technologies, including not less than \$23,000,000 from the Office of Energy Efficiency and Renewable Energy (EERE), not less than \$70,000,000 from Office of Fossil Energy and Carbon Management (FECM), and not less than \$25,000,000 from the Office of Science.

The agreement includes funding and direction on a competitive purchasing pilot program within the FECM account.

*Critical Minerals.*—The agreement provides not less than \$380,000,000 for critical minerals, including not less than \$150,000,000 from EERE, not less than \$70,000,000 from FECM, not less than \$136,000,000 from the Office of Nuclear Energy (NE), and not less than \$24,000,000 from the Office of Science.

*Energy Storage.*—The agreement provides not less than \$580,500,000 for energy storage, including not less than \$330,000,000 from EERE, not less than \$92,500,000 from the Office of Electricity, not less than \$5,000,000 from FECM, not less than \$23,000,000 from NE, and not less than \$130,000,000 from the Office of Science.

*Hydrogen.*—The agreement provides not less than \$396,000,000 for hydrogen, including not less than \$205,000,000 from EERE, not less than \$120,000,000 from FECM, not less than \$21,000,000 from NE, and not less than \$50,000,000 from the Office of Science.

The agreement provides funding for technologies to advance hydrogen use for heavy-duty transportation, industrial, and hard-to-electrify transportation applications including trains, maritime shipping, and aviation within the EERE account.

*Industrial Decarbonization.*—The agreement provides not less than \$953,000,000 for industrial decarbonization, including not less than \$580,000,000 from EERE, not less than \$245,000,000 from FECM, not less than \$62,000,000 from NE, and not less than \$66,000,000 from the Office of Science.

#### ENERGY PROGRAMS

##### ENERGY EFFICIENCY AND RENEWABLE ENERGY

The agreement provides \$3,460,000,000 for Energy Efficiency and Renewable Energy.

Within available funds, the agreement provides up to \$35,000,000 for the Lab-Embedded Entrepreneurship Program.

#### SUSTAINABLE TRANSPORTATION

*Vehicle Technologies.*—The agreement provides not less than \$190,000,000 for Battery and Electrification Technologies.

The agreement provides up to \$6,000,000 for a competitive solicitation for university-led teams to develop vehicle or structural level strategies to reduce the likelihood of the cascading effects of electric vehicle fires.

The agreement provides not less than \$100,000,000 for Vehicle Technology Integration and Deployment.

The agreement provides not less than \$5,000,000 for electric vehicle workforce development activities, including building upon existing partnerships with the GridEd workforce training program.

The agreement provides not less than \$40,000,000 for Energy Efficient Mobility Systems.

The agreement provides up to \$10,000,000 for research and development on improved recycling of batteries collected through battery recycling programs such as the Battery Recycling Retail Initiative. The agreement encourages the Department to continue research on understanding and mitigating the risks during battery recycling collection, storage, and transportation to enable stores to meet state-level fire standards for battery recycling such as those in California.

*Hydrogen and Fuel Cell Technologies.*—The agreement provides not less than \$50,000,000 for Hydrogen Technologies.

The agreement provides not less than \$60,000,000 for technologies to advance hydrogen use for hard-to-electrify transportation applications, including locomotives, maritime shipping, and aviation.

The agreement provides \$10,000,000 for hydrogen delivery, storage, and release technologies, including carriers.

The agreement provides up to \$20,000,000 for Safety, Codes, and Standards.

#### RENEWABLE ENERGY

*Solar Energy Technologies.*—The agreement provides up to \$60,000,000 for Concentrating Solar Power.

The agreement provides not less than \$45,000,000 for Balance of System Soft Costs and reiterates Senate direction.

The agreement provides not less than \$25,000,000 for research, development, and demonstration activities related to cadmium telluride and not less than \$25,000,000 for perovskites.

*Wind Energy Technologies.*—The agreement provides not less than \$18,000,000 for distributed wind technologies.

Within available funds for offshore wind, the agreement provides up to \$6,000,000 for Centers of Excellence focused on the offshore wind energy engineering, infrastructure, supply chain, transmission, and other pertinent issues required to support offshore wind in the United States.

The Department is directed to support an at-scale floating wind turbine demonstrator.

The agreement continues to support efforts to develop a university-based testing facility for industrial prototyping and manufacturing of turbine systems capable of producing upwards of 30 megawatts of power per unit and grid integration efforts for offshore wind turbine capabilities.

*Water Power Technologies.*—The agreement provides \$59,000,000 for hydropower and pumped storage activities and up to \$141,000,000 for Marine Energy.

The agreement includes funding for the purposes of section 242 of the Energy Policy Act of 2005 within the Grid Deployment account.

The agreement provides not less than \$10,000,000 for continuation of foundational

research activities led by the National Marine Energy Centers and affiliated universities and research institutions.

Within available funds for Marine Energy, the agreement provides not less than \$43,300,000 to address infrastructure needs at marine energy technology sites, including \$21,300,000 for the Department's Marine and Coastal Research Laboratory.

The agreement provides up to \$35,000,000 for competitive solicitations to support university- and industry-led projects to rapidly design, fabricate, and test marine energy systems, subsystems, and components.

*Geothermal Technologies.*—The agreement provides up to \$100,000,000 for enhanced geothermal system demonstrations and next-generation geothermal demonstration projects in diverse geographic areas.

The agreement provides up to \$40,000,000 for FORGE.

#### ENERGY EFFICIENCY

*Advanced Manufacturing (Industrial Efficiency and Decarbonization Office and Advanced Materials and Manufacturing Technologies Office).*—The agreement provides \$50,000,000 for critical materials and up to \$60,000,000 for Energy Technology Manufacturing.

The agreement provides \$5,000,000 for advanced manufacturing of large offshore wind blades and turbines.

*Building Technologies.*—The agreement provides not less than \$70,000,000 for Commercial Buildings Integration, not less than \$60,000,000 for Residential Buildings Integration, and not less than \$75,000,000 for Equipment and Building Standards.

The agreement provides not less than \$15,000,000 for Building Energy Codes.

The agreement provides not less than \$15,000,000 and up to \$50,000,000 for research, development, demonstration, and commercial application activities related to advanced solid-state lighting technology development.

#### CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE

The agreement provides \$200,000,000 for Cybersecurity, Energy Security, and Emergency Response.

The agreement provides funding for the Eagle-I activity within the Response and Restoration control point instead of the Risk Management Technology and Tools control point.

*Risk Management Technology and Tools.*—The agreement reiterates House direction regarding efforts to integrate cybersecurity into the designs of energy delivery systems and does not include direction on funding for the Energy Cybersecurity Center of Excellence.

The agreement provides \$10,000,000 to support a regional pilot to foster partnerships between national laboratories, universities, electricity sector utilities, and state and local government entities to identify and mitigate the prevalent and constantly evolving national security threats to regional infrastructure.

#### ELECTRICITY

The agreement provides \$280,000,000 for Electricity.

*Transmission Reliability and Resilience.*—The agreement includes \$3,000,000 to support university-based research partnerships to develop and deploy advanced data analytics and predictive models that incorporate human operator behavior to better understand, predict, prevent, and mitigate cascading failures in power grids.

*Resilient Distribution Systems.*—The agreement includes up to \$10,000,000 to support the COMMANDER National Test Bed.

The agreement provides up to \$15,000,000 to public utility commissions and state energy

offices for technical assistance in understanding distribution planning, interconnection, and modeling of distributed energy sources with their utilities, their customers, and the broader wholesale market.

#### GRID HARDWARE, COMPONENTS, AND SYSTEMS

*Energy Storage.*—The agreement includes \$4,800,000 for operational support of the Grid Storage Launchpad.

The agreement provides not less than \$20,000,000 for a competitive pilot demonstration grant program, as authorized in section 3201 of the Energy Act of 2020, for energy storage projects that are wholly U.S.-made, sourced, and supplied.

*Transformer Resilience and Advanced Components.*—The agreement provides funding for research in silicon carbide and gallium nitride power electronics within the Transformer Resilience and Advanced Components control point instead of the Energy Delivery Grid Operations Technology control point.

#### GRID DEPLOYMENT

The agreement provides \$60,000,000 for Grid Deployment.

*Transmission Planning and Permitting.*—The Department is directed to consider designating transmission facilities as being in the national interest under section 216a of the Federal Power Act through the issuance of facility-specific or route-specific national interest electric transmission corridors.

*Distribution and Markets.*—The agreement includes up to \$10,000,000 to provide technical assistance and guidance for Public Utility Commissions and Regional Transmission Organizations to model the operating behavior of, and develop rate or market designs, to incorporate expanded integration of Long Duration Energy Storage resources on the grid.

#### NUCLEAR ENERGY

The agreement provides \$1,685,000,000 for Nuclear Energy.

*NEUP, SBIR/STTR, and TCF.*—The agreement provides \$6,630,000 for the University Nuclear Leadership Program, previously funded as the Integrated University Program. The agreement does not provide funds for the planning and construction of new university nuclear reactors.

*Workforce Training.*—Section 311 of the agreement provides up to \$100,000,000 to implement a new nuclear safety training program. The Department is directed to make one or more cost-shared awards not later than 180 days after enactment of this Act. The program shall require cost share of at least 50 percent of the total program costs. The cost share must come from non-federal sources unless otherwise allowed by law. In implementing the program, the Department shall give priority to universities located within 50 miles of reactors that were constructed prior to 1980 and have had significant safety issues in the last five decades. A successful applicant shall have clearly defined goals and objectives; identify and address the gap between available skilled workers and the demand for the training program; and lead to an industry recognized nuclear reactor safety credential to meet demand.

#### NUCLEAR ENERGY ENABLING TECHNOLOGIES

The agreement provides \$16,000,000 for integrated energy systems, including projects with hydrogen co-located with nuclear.

*Nuclear Science User Facilities.*—The agreement provides not less than \$12,000,000 for computational support.

#### FUEL CYCLE RESEARCH, DEVELOPMENT, AND DEMONSTRATION

*Advanced Nuclear Fuel Availability.*—The agreement provides \$100,000,000. Additionally, section 312 of the agreement provides up to \$2,720,000,000 for nuclear fuel availability derived from unobligated appropriations.

*Material Recovery and Waste Form Development.*—The agreement provides not less than \$27,000,000 for EBR-II Processing for HALEU and \$7,000,000 for the ZIRCEX process.

*Accident Tolerant Fuels.*—The agreement provides not less than \$25,000,000 for further development of silicon carbide ceramic matrix composite fuel cladding for light water reactors. The agreement reiterates Senate direction to provide a multi-year plan to phase out the program.

*Fuel Cycle Laboratory R&D.*—The agreement provides up to \$15,000,000 for an advanced metallic fuels program.

REACTOR CONCEPTS RESEARCH, DEVELOPMENT,  
AND DEMONSTRATION

*Advanced Small Modular Reactor RD&D.*—The agreement supports the budget request which provides no further funding for the existing cooperative agreement DENE0008928.

Section 311 of the agreement also includes funding for small modular reactor development and deployment activities derived from unobligated appropriations.

The agreement provides up to \$800,000,000 for not more than two near term utility commercial deployments of a Generation 3+ small modular reactor technology in the United States.

The Department, through the Office of Clean Energy Demonstrations, is directed to make not more than two cost-shared awards not later than 270 days after enactment of this Act, with a utility cost share of not less than 50 percent. The selection requirements shall be consistent with the process outlined in section 959A of the Energy Policy Act of 2005. A successful applicant shall have an expected orderbook of deployments.

The agreement provides \$100,000,000 for one or more competitive awards with a 50 percent cost share to support design, licensing, supplier development, and site preparation of a grid-scale Generation 3+ reactor design that can be deployed no later than 2030. The Department is directed to award this funding not later than 90 days after enactment of this Act to support rapid domestic deployment of small modular reactors and supplier development to fabricate nuclear components for both U.S. and export markets.

*Advanced Reactor Technologies.*—The agreement provides not less than \$20,000,000 for MARVEL.

ADVANCED REACTOR DEMONSTRATION PROGRAM

The agreement reiterates Senate direction requiring a report on cost impacts of the Advanced Reactor Demonstration Program (ARDP) projects.

*Risk Reduction for Future Demonstration.*—The agreement provides \$137,222,000 for the Risk Reduction Program.

*Regulatory Development.*—In lieu of House direction, the agreement provides \$10,000,000 for the Advanced Nuclear Licensing Energy Cost-Share Grant Program as authorized under 42 U.S.C. 16280 for technology diversity, including spent nuclear fuel reprocessing.

INFRASTRUCTURE

The agreement does not include funds for the Reactor Fuels Research Capability.

PROGRAM DIRECTION

The agreement includes funding for International Nuclear Energy Cooperation activities within Program Direction.

FOSSIL ENERGY AND CARBON MANAGEMENT

The agreement provides \$865,000,000 for Fossil Energy and Carbon Management.

In lieu of House and Senate direction, the agreement supports and provides funding for industrial emission reduction, decarbonization, and combustion-centric activities that advance new technologies and improve the current utilization of generation fuels.

The agreement includes not less than \$5,000,000 to continue efforts to support natural gas demand response pilot programs.

*Solid Oxide Fuel Cell Systems & Hydrogen.*—The agreement provides not less than \$100,000,000 for the research, development, and demonstration of solid oxide fuel cell systems and hydrogen production, transport, storage, and use systems.

*University Training and Research.*—The agreement includes no direction regarding funding within the University Training and Research program.

*Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization.*—The agreement directs the working group to convene relevant stakeholders to discuss waterway freight diversification and economic development in the Ohio, Allegheny, and Monongahela River Corridor.

CARBON MANAGEMENT TECHNOLOGIES

The agreement recognizes the benefits of a clear regulatory process for ocean carbon dioxide removal pathways and provides \$250,000 to work with other appropriate federal agency and industry partners to develop, test, and evaluate ocean-based carbon dioxide removal technologies.

*Carbon Dioxide Removal.*—The agreement provides \$10,000,000 for research, development and demonstration related to biological carbon sequestration in deep ocean water through macroalgae and other living marine resources.

The agreement includes \$20,000,000 to continue the competitive purchasing pilot program that was directed to be established in the fiscal year 2023 Act, consistent with Division D of Public Law 117-328. The Department is directed to provide to the Committees not later than 180 days after enactment of this Act a report on the progress of the competitive purchasing pilot program.

*Carbon Transport and Storage.*—The agreement provides not less than \$35,000,000 for CarbonSAFE and not less than \$25,000,000 for the Regional Carbon Sequestration Partnerships.

RESOURCE TECHNOLOGIES AND SUSTAINABILITY

*Advanced Remediation Technologies.*—The agreement provides \$15,000,000 for university research and field investigations in the Gulf of Mexico to confirm the nature, regional context, and hydrocarbon system behavior of gas hydrate deposits.

The agreement provides \$8,000,000 for the Risk Based Data Management System.

*Methane Mitigation Technologies.*—The agreement provides \$5,000,000 for advanced observational technologies, as validated in peer-reviewed publications, to globally identify and mitigate methane and volatile organic compound emissions.

ENERGY PROJECTS

The agreement provides \$83,724,000 for the Energy Projects account for Congressionally Directed Spending at the Department for the following list of projects.

## CONGRESSIONALLY DIRECTED SPENDING FOR ENERGY PROJECTS

(Amounts in Thousands)

Project Name	Final Bill
Allegheny County Airport Authority Neighborhood 91 Project Funding, PA	1,000
ASU: Center for Clean Energy Materials, AZ	3,000
Biochar Characterization Study, NM	200
Boat Energy Transition Feasibility Study, AK	514
Canal-Mounted Rural Solar, Bonneville Environmental Foundation, OR	1,850
Carlton County Justice Center Geothermal Heat and Solar Field, MN	2,000
Center for Applied Research & Technology (CART) Carbon-Managed Distributed Energy System, WV	656
Center for Clean Hydrogen, DE	3,987
Center for Nanotechnology, MD	2,175
Central Peninsula Landfill Gas Collection System Project, AK	2,744
City of Melrose Net Zero Police Station Design, MA	3,000
City of Radford Smart Power Metering Implementation, VA	500
Clemson University—Electrical Grid Integration, SC	2,000
Clemson University Next-Generation Hydrogen Technologies, SC	2,900
County Sanitation District No. 2 for Biomethane Interconnection Project, CA	2,500
Dairyland Power Cooperative Prentice Electric Vehicle Charger with Solar and Battery Storage, WI	2,028
Desert Research Institute—Lithium Resource Mapping, NV	1,632
Enabling High Penetration of Renewables with Synchronous Condenser Conversion Technology, HI	1,325
High Temperature Fuel Cells, CO	3,000
HyPower: Demonstration of Offshore Wind Generated Hydrogen Usage for Domestic Heating and Power, NY	1,000
Jicarilla Apache Nation Design Study of a Clean Hydrogen Production System, NM	80
Kit Carson Electric Cooperative, Inc.—Kit Carson Electric Cooperative-Questa Green Hydrogen Project, NM	500
Kotzebue Energy Sustainability and Resilience Project, AK	3,000
Millinocket Renewable Energy, ME	1,950
Mobile Charger with Zero-emission Power Generation System, CA	500
Morgantown Monongahela River Trash Removal Initiative, WV	375
NMSU Energy Cybersecurity Penetration Testing Center, NM	1,200
Parrott Creek Battery Storage Project, OR	900
Plymouth State University Energy Transition, NH	4,675
Project CleanMI, MI	2,250
Purple Lake Hydro Feasibility Study, AK	166
Renewable Heating Technology to Decarbonize High-Temperature Foundry Processes, NM	128

## CONGRESSIONALLY DIRECTED SPENDING FOR ENERGY PROJECTS—Continued

(Amounts in Thousands)

Project Name	Final Bill
Research Environment for the Advancement of Clean Hydrogen (REACH), LA	4,000
Resilient Recreation Centers, RI	1,025
Solar Energy Demonstration Using Domestically Sourced, and Michigan-built, 100% Reusable Commercial-Scale Lead Battery, MI	600
Sparkling Progress in Battery Manufacturing, GA	3,800
Twin Lakes Reservoir Floating Solar Project, OH	2,000
UMaine BioHome3D Research and Development, ME	4,000
UMaine Semiconductor Research and Development, ME	750
University of Connecticut for Resilient Grid Systems and Offshore Wind Power Integration, CT	1,300
University of South Carolina—Battery Innovation, SC	2,160
University of Washington Tidal-Powered Ocean Observations, WA	5,000
UNM Cybersecurity for Community Microgrids, NM	644
Village of Monroeville Grid Resilience, OH	248
Village of Viola Solar PV System and Battery Storage, WI	1,412
Washington Electric Cooperative Advanced Metering Infrastructure, VT	2,500
WV Public Energy Authority Hydrogen and Critical Mineral Extraction from Fossil Fuels, WV	270
WVU Remote Sensing Tools for Climate Change Abatement Research, WV	280

## NAVAL PETROLEUM AND OIL SHALE RESERVES

The agreement provides \$13,010,000 for the operation of the Naval Petroleum and Oil Shale Reserves.

## STRATEGIC PETROLEUM RESERVE

The agreement includes \$213,390,000 for the Strategic Petroleum Reserve.

The Department is directed to continue its efforts to refill the Strategic Petroleum Reserve expeditiously and to provide to the Committees not later than 90 days after enactment of this Act, and quarterly thereafter, a briefing on its plans to refill the Strategic Petroleum Reserve.

## SPR PETROLEUM ACCOUNT

The agreement provides \$100,000 for the SPR Petroleum Account.

## NORTHEAST HOME HEATING OIL RESERVE

The agreement provides \$7,150,000 for the Northeast Home Heating Oil Reserve.

## ENERGY INFORMATION ADMINISTRATION

The agreement provides \$135,000,000 for the Energy Information Administration.

## NON-DEFENSE ENVIRONMENTAL CLEANUP

The agreement provides \$342,000,000 for Non-Defense Environmental Cleanup.

*Small Sites.*—The agreement provides \$108,435,000 for Small Sites cleanup. Within this amount, \$18,000,000 is for the Energy Technology Engineering Center, \$11,500,000 is for Idaho National Laboratory, \$6,000,000 is for work at the Lawrence Berkeley National Laboratory, \$67,000,000 is for Moab, and \$5,935,000 is for excess Office of Science facilities.

## URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

The agreement provides \$855,000,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund.

## SCIENCE

The agreement provides \$8,240,000,000 for Science.

The Department is directed to provide not later than 90 days, and quarterly thereafter, a briefing on its actions to progressively move to fully funding research awards of \$2,500,000 or less.

*Artificial Intelligence and Machine Learning.*—The agreement includes not less than \$135,000,000 for Artificial Intelligence and Machine Learning across the Office of Science Programs.

*Energy Earthshots.*—The agreement reiterates House direction.

*Quantum Information Sciences.*—The agreement provides not less than \$245,000,000 for quantum information science, including not less than \$120,000,000 for research and \$125,000,000 for the five National Quantum Information Science Research Centers.

The agreement includes funding at the fiscal year 2023 levels for the RENEW and FAIR initiatives.

## ADVANCED SCIENTIFIC COMPUTING RESEARCH

The agreement provides not less than \$219,000,000 for the Argonne Leadership Computing Facility, \$255,000,000 for the Oak Ridge Leadership Computing Facility, \$135,000,000 for the National Energy Research Scientific Computing Center at Lawrence Berkeley National Laboratory, and \$91,000,000 for ESnet.

The agreement provides not less than \$290,000,000 for Mathematical, Computational, and Computer Sciences Research.

## BASIC ENERGY SCIENCES

The agreement provides \$704,134,000 for facilities operations of the nation's light sources, \$373,163,000 for facilities operations of the high-flux neutron sources, and \$150,880,000 for facilities operations of the Nanoscale Science Research Centers.

## BIOLOGICAL AND ENVIRONMENTAL RESEARCH

The agreement includes not less than \$420,000,000 for Biological Systems Science and not less than \$430,000,000 for Earth and Environmental Systems Sciences.

The agreement provides up to \$20,000,000 to re-establish a low-dose radiation research pilot program in coordination with the Office of Environment, Health, Safety, and Security and the Office of Nuclear Energy.

The agreement provides not less than \$115,000,000 for the four Bioenergy Research Centers to accelerate research and development needed for advanced fuels and products.

The agreement provides not less than \$125,000,000 for Foundational Genomics Research.

The agreement reiterates House direction on key cloud, aerosol, precipitation, and radiation processes and a related pilot program.

## FUSION ENERGY SCIENCES

The agreement provides \$98,100,000 for NSTX-U.

The agreement provides \$131,500,000 for DIII-D.

The agreement includes \$40,000,000 for the Milestone-Based Development Program. The agreement reiterates House direction regarding the management of the Milestone-Based Development Program.

The agreement reiterates Senate direction regarding the High-Energy-Density Laboratory Plasmas program.

The agreement includes up to \$20,000,000 for Inertial Fusion Energy.

The agreement provides \$25,000,000 for the Materials Plasma Exposure eXperiment.

The agreement includes up to \$10,000,000 for future facilities studies.

The agreement includes not less than \$20,000,000 for materials and fusion nuclear science.

## HIGH ENERGY PHYSICS

The agreement provides not less than \$35,000,000 for the Sanford Underground Research Facility and not less than \$5,000,000 for the Accelerator Controls Operations Research Network.

## NUCLEAR PHYSICS

In lieu of House direction regarding facility operations, the agreement directs the Department to give priority to optimizing operations for all Nuclear Physics user facilities, including Relativistic Heavy Ion Collider, Continuous Electron Beam Accelerator, Facility for Rare Isotope Beams, and Argonne Tandem Linac Accelerator System.

## NUCLEAR WASTE DISPOSAL

The agreement provides \$12,040,000 for Nuclear Waste Disposal for Nuclear Waste Fund (NWF) oversight activities, which is derived from the NWF.

## TECHNOLOGY TRANSITIONS

The agreement provides \$20,000,000 for Technology Transitions.

The agreement provides not less than \$2,500,000 to support the Energy Program for Innovation Clusters Program.

The agreement provides \$3,500,000 for the creation of a non-governmental Foundation for Energy Security and Innovation, which includes \$1,500,000 to establish the Foundation and \$2,000,000 to initially carry out its activities.

## CLEAN ENERGY DEMONSTRATIONS

The agreement provides \$50,000,000 for Clean Energy Demonstrations.

The agreement includes funding for demonstration projects previously selected prior to the date of enactment of this Act.

The agreement includes funding for Demonstration Planning and Analysis as requested.

The agreement reiterates House direction regarding the management of the Milestone-Based Development Program.

## ADVANCED RESEARCH PROJECTS AGENCY—ENERGY

The agreement provides \$460,000,000 for the Advanced Research Projects Agency—Energy.

## TITLE 17 INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM

The agreement provides a net appropriation of \$0 for the Title 17 Innovative Technology Loan Guarantee Program.

## ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PROGRAM

The agreement provides \$13,000,000 for the Advanced Technology Vehicles Manufacturing Loan Program.

## TRIBAL ENERGY LOAN GUARANTEE PROGRAM

The agreement provides \$6,300,000 for the Tribal Energy Loan Guarantee Program.

## INDIAN ENERGY POLICY AND PROGRAMS

The agreement provides \$70,000,000 for Indian Energy Policy and Programs.

## DEPARTMENTAL ADMINISTRATION

The agreement provides \$286,500,000 for Departmental Administration.

*Control Points.*—The following is the only direction for control points. The agreement continues funding for functions within Departmental Administration in the fiscal year 2023 Act and adds a new activity for Industrial Emissions and Technology Coordination. The Department is directed to continue to submit a budget request that proposes a separate funding level for each of these activities.

*Office of the Secretary.*—The agreement includes no direction for the Office of the Secretary.

*Industrial Emissions and Technology Coordination.*—The agreement reiterates Senate direction regarding coordination of clean industrial research, development, demonstrations, and deployments and the development of a Multi-Year Program Plan. The agreement reiterates Senate direction regarding the alignment, simplification, and consolidation of coordinating mechanisms for cross-cutting initiatives into one function. The agreement reiterates Senate direction regarding a briefing. The agreement directs the Department to include in future budget requests funding breakdowns by account, subprogram, and congressional control point for each of the crosscutting initiatives. The agreement includes no direction regarding a list of crosscutting initiatives.

*Other Departmental Administration.*—The following is the only direction for Other Departmental Administration. The Department shall allocate funds sufficient for staffing and operational needs for Management, Project Management Oversight and Assessments, Chief Human Capital Officer, and General Counsel. The agreement includes Senate language regarding the Arctic Energy Office and the U.S. energy employment report. The agreement includes House and Senate language on the Israel Binational Industrial Research and Development (BIRD) Foundation and the U.S. Israel Center of Excellence in Energy Engineering and Water Technology.

## OFFICE OF THE INSPECTOR GENERAL

The agreement provides \$86,000,000 for the Office of the Inspector General (OIG).

The Inspector General has requested extensive payroll and other sensitive and personally identifiable information from multiple Department contractors, spanning multiple years and covering thousands of employees. Subsequent to these requests, the Department published a proposed rulemaking in the

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
-----					
ENERGY PROGRAMS					
ENERGY EFFICIENCY AND RENEWABLE ENERGY					
Sustainable Transportation:					
Vehicle Technologies.....	455,000	526,942	450,000	-5,000	-76,942
Bioenergy Technologies.....	280,000	323,000	275,000	-5,000	-48,000
Hydrogen and Fuel Cell Technologies.....	170,000	163,075	170,000	---	+6,925
Subtotal, Sustainable Transportation.....	905,000	1,013,017	895,000	-10,000	-118,017
Renewable Energy:					
Solar Energy Technologies.....	318,000	378,908	318,000	---	-60,908
Wind Energy Technologies.....	132,000	385,000	137,000	+5,000	-248,000
Water Power Technologies.....	179,000	229,769	200,000	+21,000	-29,769
Geothermal Technologies.....	118,000	216,000	118,000	---	-98,000
Renewable Energy Grid Integration.....	45,000	59,066	22,000	-23,000	-37,066
Subtotal, Renewable Energy.....	792,000	1,268,743	795,000	+3,000	-473,743
Energy Efficiency:					
Advanced Manufacturing.....	450,000	---	---	-450,000	---
Industrial Efficiency & Decarbonization Office.....	---	394,245	237,000	+237,000	-157,245

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
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Advanced Materials & Manufacturing Technologies					
Office.....	---	241,497	215,000	+215,000	-26,497
Building Technologies.....	332,000	347,841	332,000	---	-15,841
Subtotal, Energy Efficiency.....	782,000	983,583	784,000	+2,000	-199,583
State and Community Energy Programs:					
Weatherization:					
Weatherization Assistance Program.....	326,000	---	326,000	---	+326,000
Training and Technical Assistance.....	10,000	---	10,000	---	+10,000
Weatherization Readiness Fund.....	30,000	---	30,000	---	+30,000
Subtotal, Weatherization.....	366,000	---	366,000	---	+366,000
State Energy Program.....	66,000	---	66,000	---	+66,000
Local Government Energy Program.....	12,000	---	12,000	---	+12,000
Energy Future Grants.....	27,000	---	27,000	---	+27,000
Subtotal, State and Community Energy Programs...	471,000	---	471,000	---	+471,000
Manufacturing and Energy Supply Chains:					
Facility and Workforce Assistance.....	16,000	---	16,000	---	+16,000
Energy Sector Industrial Base Technical Assistance	2,000	---	2,000	---	+2,000
Subtotal, Manufacturing and Energy Supply Chains	18,000	---	18,000	---	+18,000
Federal Energy Management Program:					
Federal Energy Management.....	29,000	---	29,000	---	+29,000



DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Federal Energy Efficiency Fund.....	14,000	---	14,000	---	+14,000
Subtotal, Federal Energy Management Program.....	43,000	---	43,000	---	+43,000
Corporate Support:					
Facilities and Infrastructure:					
National Renewable Energy Laboratory (NREL).....	160,000	185,391	160,000	---	-25,391
21-EE-001, Energy Materials Processing at Scale (EMAPS).....	45,000	57,000	50,000	+5,000	-7,000
Establish New National Laboratory.....	---	35,000	---	---	-35,000
Subtotal, Facilities and Infrastructure.....	205,000	277,391	210,000	+5,000	-67,391
Program Direction .....	223,000	225,623	---	-223,000	-225,623
Program Direction - Office of Energy Efficiency and Renewable Energy.....	---	---	186,000	+186,000	+186,000
Program Direction - State and Community Energy Programs.....	---	---	22,000	+22,000	+22,000
Program Direction - Manufacturing and Energy Supply Chains.....	---	---	1,000	+1,000	+1,000
Program Direction - Federal Energy Management Program.....	---	---	14,000	+14,000	+14,000
Subtotal, Program Direction.....	223,000	225,623	223,000	---	-2,623

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Strategic Programs.....	21,000	57,759	21,000	---	-36,759
Subtotal, Corporate Support.....	449,000	560,773	454,000	+5,000	-106,773
Subtotal, Energy Efficiency and Renewable Energy..	3,460,000	3,826,116	3,460,000	---	-366,116
Floor Amendments.....	---	---	---	---	---
TOTAL, ENERGY EFFICENCY AND RENEWABLE ENERGY.....	3,460,000	3,826,116	3,460,000	---	-366,116
STATE AND COMMUNITY ENERGY PROGRAMS					
Weatherization:					
Weatherization Assistance Program.....	---	375,000	---	---	-375,000
Training and Technical Assistance.....	---	10,000	---	---	-10,000
Weatherization Readiness Fund.....	---	51,780	---	---	-51,780
Subtotal, Weatherization.....	---	436,780	---	---	-436,780
State Energy Program.....	---	75,000	---	---	-75,000
Local Government Energy Program.....	---	65,000	---	---	-65,000
Energy Future Grants.....	---	40,000	---	---	-40,000
Energy Burden Reduction Pilot.....	---	50,000	---	---	-50,000

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
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Interagency Working Group.....	---	5,000	---	---	-5,000
Program Direction.....	---	33,220	---	---	-33,220
	=====	=====	=====	=====	=====
TOTAL, STATE AND COMMUNITY ENERGY PROGRAMS.....	---	705,000	---	---	-705,000
	=====	=====	=====	=====	=====
MANUFACTURING AND ENERGY SUPPLY CHAINS					
Facility and Workforce Assistance.....	---	15,490	---	---	-15,490
Global Clean Energy Manufacturing Initiative.....	---	75,000	---	---	-75,000
Defense Production Act.....	---	65,000	---	---	-65,000
Program Direction.....	---	24,000	---	---	-24,000
	=====	=====	=====	=====	=====
TOTAL, MANUFACTURING AND ENERGY SUPPLY CHAINS.....	---	179,490	---	---	-179,490
	=====	=====	=====	=====	=====
FEDERAL ENERGY MANAGEMENT PROGRAM					
Federal Energy Management.....	---	45,000	---	---	-45,000
Federal Energy Efficiency Fund.....	---	20,000	---	---	-20,000
Program Direction.....	---	17,200	---	---	-17,200
	=====	=====	=====	=====	=====
TOTAL, FEDERAL ENERGY MANAGEMENT PROGRAM.....	---	82,200	---	---	-82,200
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DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
<b>CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE</b>					
Risk Management Technology and Tools.....	125,000	135,000	113,000	-12,000	-22,000
Response and Restoration.....	23,000	39,000	32,500	+9,500	-6,500
Preparedness, Policy, and Risk Analysis.....	26,857	39,000	26,500	-357	-12,500
Program Direction.....	25,143	32,475	28,000	+2,857	-4,475
	=====	=====	=====	=====	=====
TOTAL, CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE.....	200,000	245,475	200,000	---	-45,475
	=====	=====	=====	=====	=====
<b>ELECTRICITY</b>					
Grid Controls and Communications:					
Transmission Reliability and Resilience.....	34,000	42,500	33,000	-1,000	-9,500
Energy Delivery Grid Operations Technology.....	31,000	30,000	31,000	---	+1,000
Resilient Distribution Systems.....	55,000	47,300	53,000	-2,000	+5,700
Cyber Resilient and Secure Utility Communications Networks.....	15,000	15,000	15,500	+500	+500
	-----	-----	-----	-----	-----
Subtotal, Grid Controls and Communications.....	135,000	134,800	132,500	-2,500	-2,300
Grid Hardware, Components, and Systems:					
Energy Storage:					
Research.....	95,000	78,600	92,500	-2,500	+13,900
Transformer Resilience and Advanced Components.....	27,500	21,700	22,500	-5,000	+800
Applied Grid Transformation Solutions.....	10,000	29,700	13,500	+3,500	-16,200
	-----	-----	-----	-----	-----
Subtotal, Grid Hardware, Components, and Systems	132,500	130,000	128,500	-4,000	-1,500

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Electricity Innovation and Transition.....	---	14,000	---	---	-14,000
Grid Deployment:					
Grid Planning and Development.....	16,000	---	---	-16,000	---
Grid Technical Assistance.....	25,000	---	---	-25,000	---
Wholesale Electricity Market Technical Assistance and Grants.....	16,500	---	---	-16,500	---
Interregional and Offshore Transmission Planning....	2,000	---	---	-2,000	---
Subtotal, Grid Deployment.....	59,500	---	---	-59,500	---
Program Direction.....	23,000	18,675	19,000	-4,000	+325
TOTAL, ELECTRICITY.....	350,000	297,475	280,000	-70,000	-17,475

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
<b>GRID DEPLOYMENT</b>					
Interregional and Offshore Transmission Planning.....	---	22,000	---	---	-22,000
Offshore Wind Planning and Development .....	---	8,000	---	---	-8,000
Grid Technical Assistance.....	---	26,500	---	---	-26,500
Wholesale Electricity Market Technical Assistance and Grants.....	---	19,000	---	---	-19,000
EV Grid Planning & Markets .....	---	5,000	---	---	-5,000
Territory, Tribal, & Rural Community Development.....	---	12,750	---	---	-12,750
Transmission Planning & Permitting.....	---	---	38,250	+38,250	+38,250
Distribution & Markets.....	---	---	15,500	+15,500	+15,500
Hydropower Incentives.....	---	250	250	+250	---
Program Direction.....	---	13,100	6,000	+6,000	-7,100
<b>TOTAL, GRID DEPLOYMENT.....</b>	<b>---</b>	<b>106,600</b>	<b>60,000</b>	<b>+60,000</b>	<b>-46,600</b>
<b>NUCLEAR ENERGY</b>					
Nuclear Energy Enabling Technologies:					
Crosscutting Technology Development.....	32,000	32,778	32,778	+778	---
Joint Modeling and Simulation Program.....	28,500	28,500	28,500	---	---
Nuclear Science User Facilities.....	35,000	35,000	35,000	---	---
<b>Subtotal, Nuclear Energy Enabling Technologies..</b>	<b>95,500</b>	<b>96,278</b>	<b>96,278</b>	<b>+778</b>	<b>---</b>

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
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Fuel Cycle Research and Development:					
Front End Fuel Cycle:					
Mining, Conversion, and Transportation.....	2,000	1,500	1,500	-500	---
Advanced Nuclear Fuel Availability.....	---	120,000	100,000	+100,000	-20,000
Subtotal, Front End Fuel Cycle.....	2,000	121,500	101,500	+99,500	-20,000
Material Recovery and Waste Form Development.....	45,000	39,000	55,000	+10,000	+16,000
Advanced Fuels:					
Accident Tolerant Fuels.....	114,000	108,900	120,000	+6,000	+11,100
Triso Fuel and Graphite Qualification.....	32,000	25,000	35,000	+3,000	+10,000
Subtotal, Advanced Fuels.....	146,000	133,900	155,000	+9,000	+21,100
Fuel Cycle Laboratory R&D.....	29,000	29,000	34,000	+5,000	+5,000
Used Nuclear Fuel Disposition R&D.....	47,000	46,875	47,000	---	+125
Integrated Waste Management System.....	53,000	53,000	55,000	+2,000	+2,000
Subtotal, Fuel Cycle Research and Development...	322,000	423,275	447,500	+125,500	+24,225

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
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Reactor Concepts RD&D:					
Advanced Small Modular Reactor RD&D.....	165,000	20,000	10,000	-155,000	-10,000
Light Water Reactor Sustainability.....	45,000	35,000	45,000	---	+10,000
Advanced Reactor Technologies.....	49,000	43,200	54,000	+5,000	+10,800
Subtotal, Reactor Concepts RD&D.....	259,000	98,200	109,000	-150,000	+10,800
Advanced Reactors Demonstration Program:					
National Reactor Innovation Center.....	50,000	34,000	65,000	+15,000	+31,000
23-E-200 Laboratory for Operations and Testing in the United States.....	20,000	32,000	32,000	+12,000	---
Demonstration 1.....	---	---	30,000	+30,000	+30,000
Demonstration 2.....	---	---	30,000	+30,000	+30,000
Risk Reduction for Future Demonstrations.....	---	120,000	137,222	+137,222	+17,222
Regulatory Development.....	10,250	11,000	16,000	+5,750	+5,000
Advanced Reactors Safeguards.....	4,750	6,000	6,000	+1,250	---
Subtotal, Advanced Reactors Demonstration Program.....	85,000	203,000	316,222	+231,222	+113,222



DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
-----					
Infrastructure:					
ORNL Nuclear Facilities O&M.....	20,000	---	---	-20,000	---
INL Facilities Operations and Maintenance.....	318,924	318,924	326,000	+7,076	+7,076
Construction:					
16-E-200 Sample Preparation Laboratory, INL.....	7,300	---	---	-7,300	---
Subtotal, Construction.....	7,300	---	---	-7,300	---
Subtotal, Infrastructure.....	346,224	318,924	326,000	-20,224	+7,076
Idaho Sitewide Safeguards and Security.....	150,000	177,733	160,000	+10,000	-17,733
International Nuclear Energy Cooperation.....	---	13,000	---	---	-13,000
Program Direction.....	85,000	85,500	90,000	+5,000	+4,500
NEUP, SBIR/STTR, and TCF.....	130,276	146,710	140,000	+9,724	-6,710
TOTAL, NUCLEAR ENERGY.....	1,473,000	1,562,620	1,685,000	+212,000	+122,380
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DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
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FOSSIL ENERGY AND CARBON MANAGEMENT					
Carbon Management Technologies:					
Carbon Capture.....	135,000	144,000	127,500	-7,500	-16,500
Carbon Dioxide Removal.....	70,000	70,000	70,000	---	---
Carbon Utilization.....	50,000	---	52,500	+2,500	+52,500
Carbon Dioxide Conversion.....	---	50,000	---	---	-50,000
Carbon Transport and Storage.....	110,000	110,000	93,000	-17,000	-17,000
Hydrogen with Carbon Management.....	95,000	85,000	85,000	-10,000	---
Carbon Management - Policy, Analysis, and Engagement	---	5,000	---	---	-5,000
Subtotal, Carbon Management Technologies.....	460,000	464,000	428,000	-32,000	-36,000
Resource Technologies and Sustainability					
Advanced Remediation Technologies.....	55,000	13,000	53,000	-2,000	+40,000
Methane Mitigation Technologies.....	60,000	100,000	55,000	-5,000	-45,000
Natural Gas Decarbonization and Hydrogen Technologies.....	26,000	20,000	23,000	-3,000	+3,000
Mineral Sustainability.....	54,000	45,000	70,000	+16,000	+25,000
Resource Sustainability - Analysis and Engagement...	---	1,000	---	---	-1,000
Subtotal, Resource Technologies and Sustainability	195,000	179,000	201,000	+6,000	+22,000

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Energy Asset Transformation.....	6,000	6,000	6,000	---	---
Program Direction.....	70,000	92,475	70,000	---	-22,475
Special Recruitment Programs.....	1,000	1,000	1,000	---	---
University Training and Research.....	13,000	19,000	10,000	-3,000	-9,000
NETL Research and Operations.....	87,000	89,000	89,000	+2,000	---
NETL Infrastructure.....	55,000	55,000	55,000	---	---
NETL Interagency Working Group.....	3,000	---	---	-3,000	---
Interagency Working Group.....	---	---	5,000	+5,000	+5,000
	=====	=====	=====	=====	=====
TOTAL, FOSSIL ENERGY AND CARBON MANAGEMENT .....	890,000	905,475	865,000	-25,000	-40,475
	=====	=====	=====	=====	=====
ENERGY PROJECTS .....	221,969	---	83,724	-138,245	+83,724
NAVAL PETROLEUM AND OIL SHALE RESERVES.....	13,004	13,010	13,010	+6	---
STRATEGIC PETROLEUM RESERVE .....	207,175	280,969	213,390	+6,215	-67,579

DEPARTMENT OF ENERGY

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
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SPR PETROLEUM ACCOUNT					
SPR Petroleum Account.....	100	---	100	---	+100
SPR Petroleum Account Rescission.....	-2,052,000	---	---	+2,052,000	---
TOTAL, SPR PETROLEUM ACCOUNT.....	-2,051,900	---	100	+2,052,000	+100
NORTHEAST HOME HEATING OIL RESERVE.....	7,000	7,150	7,150	+150	---
ENERGY INFORMATION ADMINISTRATION.....	135,000	156,550	135,000	---	-21,550
NON-DEFENSE ENVIRONMENTAL CLEANUP					
Fast Flux Test Reactor Facility (WA).....	3,200	3,200	3,200	---	---
Gaseous Diffusion Plants.....	130,938	132,983	140,485	+9,547	+7,502
Small Sites.....	132,463	122,635	108,435	-24,028	-14,200
West Valley Demonstration Project.....	89,882	89,882	89,880	-2	-2
Management and Storage of Elemental Mercury.....	2,100	---	---	-2,100	---
Mercury Receipts.....	3,000	3,000	3,000	---	---
Use of Mercury Receipts.....	-3,000	-3,000	-3,000	---	---
TOTAL, NON-DEFENSE ENVIRONMENTAL CLEANUP.....	358,583	348,700	342,000	-16,583	-6,700

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

Amounts shown over the presidential budget request level ("Additional Amount" column) are considered Community Project Funding and Congressionally Directed Spending for purposes of House and Senate rules.

Agency	Account	Project Name; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
DOI/Bureau of Reclamation	Water and Related Resources	Friant-Kern Canal, San Luis Canal, Delta Mendota Canal; Bureau of Reclamation		5,000,000	5,000,000		Feinstein	S
DOI/Bureau of Reclamation	Water and Related Resources	Lake Mead/Las Vegas Wash Program, NV; Bureau of Reclamation	598,000	3,500,000	4,098,000	Horsford, Lee (NV), Titus	Cortez-Masto, Rosen	H/S
DOI/Bureau of Reclamation	Water and Related Resources	Lewis and Clark Rural Water System, IA, MN, SD; Bureau of Reclamation	6,825,000	12,000,000	18,825,000		Klobuchar, Rounds, Smith, Thune	S
DOI/Bureau of Reclamation	Water and Related Resources	Los Banos Creek Recharge and Recovery Project; Bureau of Reclamation		5,000,000	5,000,000	Duarte		H
DOI/Bureau of Reclamation	Water and Related Resources	Sacramento River Basin Floodplain Reactivation; Bureau of Reclamation		5,000,000	5,000,000		Feinstein, Padilla	S
DOI/Bureau of Reclamation	Water and Related Resources	Sacramento Valley Pacific Flyway Habitat Program; Bureau of Reclamation		2,200,000	2,200,000		Feinstein, Padilla	S
DOI/Bureau of Reclamation	Water and Related Resources	San Gabriel Basin Restoration Fund; Bureau of Reclamation		5,500,000	5,500,000	Chu, Napolitano	Feinstein, Padilla	H/S
Department of Energy	Energy Projects	Allegheny County Airport Authority Neighborhood 91 Project Funding; Allegheny County Airport Authority		1,000,000			Fetterman	S

Department of Energy	Energy Projects	ASU: Center for Clean Energy Materials; Arizona State University		3,000,000			Kelly	S
Department of Energy	Energy Projects	Biochar Characterization Study; New Mexico State University		200,000			Heinrich	S
Department of Energy	Energy Projects	Boat Energy Transition Feasibility Study; Alaska Longline Fishermen's Association		514,000			Murkowski	S
Department of Energy	Energy Projects	Canal-Mounted Rural Solar; Bonneville Environmental Foundation		1,850,000			Merkley, Wyden	S
Department of Energy	Energy Projects	Carlton County Justice Center Geothermal Heat and Solar Field; Carlton County		2,000,000			Klobuchar, Smith	S
Department of Energy	Energy Projects	Center for Applied Research & Technology (CART) Carbon-Managed Distributed Energy System; Center for Applied Research & Technology, Inc.		656,000			Capito, Manchin	S
Department of Energy	Energy Projects	Center for Clean Hydrogen; University of Delaware		3,987,000			Carper, Coons	S
Department of Energy	Energy Projects	Center for Nanotechnology; The Center for Nanotechnology (Coppin State University)		2,175,000			Cardin, Van Hollen	S
Department of Energy	Energy Projects	Central Peninsula Landfill Gas Collection System Project; Kenai Peninsula Borough		2,744,000			Murkowski	S
Department of Energy	Energy Projects	City of Melrose Net Zero Police Station Design; City of Melrose		3,000,000			Markey, Warren	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

Amounts shown over the presidential budget request level ("Additional Amount" column) are considered Community Project Funding and Congressionally Directed Spending for purposes of House and Senate rules.

Agency	Account	Project Name; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	City of Radford Smart Power Metering Implementation; City of Radford Electric Department		500,000			Kaine, Warner	S
Department of Energy	Energy Projects	Clemson University—Electrical Grid Integration; Clemson University		2,000,000			Graham	S
Department of Energy	Energy Projects	Clemson University Next-Generation Hydrogen Technologies; Clemson University		2,900,000			Graham	S
Department of Energy	Energy Projects	County Sanitation District No. 2 for Biomethane Interconnection Project; County Sanitation District No. 2 of Los Angeles County		2,500,000			Feinstein, Padilla	S
Department of Energy	Energy Projects	Dairyland Power Cooperative Prentice Electric Vehicle Charger with Solar and Battery Storage; Dairyland Power Cooperative		2,028,000			Baldwin	S
Department of Energy	Energy Projects	Desert Research Institute—Lithium Resource Mapping; Desert Research Institute		1,632,000			Cortez Masto, Rosen	S

Department of Energy	Energy Projects	Enabling High Penetration of Renewables with Synchronous Condenser Conversion Technology; Kaua'i Island Utility Cooperative		1,325,000			Schatz	S
Department of Energy	Energy Projects	High Temperature Fuel Cells; Colorado School of Mines		3,000,000			Bennet, Hickenlooper	S
Department of Energy	Energy Projects	HyPower: Demonstration of Off-shore Wind Generated Hydrogen Usage for Domestic Heating and Power; State University of New York at Stony Brook		1,000,000			Gillibrand, Schumer	S
Department of Energy	Energy Projects	Jicarilla Apache Nation Design Study of a Clean Hydrogen Production System; Jicarilla Apache Nation		80,000			Heinrich	S
Department of Energy	Energy Projects	Kit Carson Electric Cooperative, Inc.—Kit Carson Electric Cooperative-Questa Green Hydrogen Project; Kit Carson Electric Cooperative, Inc.		500,000			Heinrich, Luján	S
Department of Energy	Energy Projects	Kotzebue Energy Sustainability and Resilience Project; Kotzebue Electric Association		3,000,000			Murkowski	S
Department of Energy	Energy Projects	Millinocket Renewable Energy; Our Katahdin		1,950,000			Collins, King	S
Department of Energy	Energy Projects	Mobile Charger with Zero-emission Power Generation System; South Coast Air Quality Management District		500,000			Feinstein, Padilla	S



ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

Amounts shown over the presidential budget request level ("Additional Amount" column) are considered Community Project Funding and Congressionally Directed Spending for purposes of House and Senate rules.

Agency	Account	Project Name; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Morgantown Monongahela River Trash Removal Initiative; City of Morgantown		375,000			Capito, Manchin	S
Department of Energy	Energy Projects	NMSU Energy Cybersecurity Penetration Testing Center; New Mexico State University		1,200,000			Heinrich	S
Department of Energy	Energy Projects	Parrott Creek Battery Storage Project; Parrott Creek Child & Family Services		900,000			Merkley, Wyden	S
Department of Energy	Energy Projects	Plymouth State University Energy Transition; Plymouth State University		4,675,000			Shaheen	S
Department of Energy	Energy Projects	Project CleanMI; Western Michigan University		2,250,000			Peters	S
Department of Energy	Energy Projects	Purple Lake Hydro Feasibility Study; Metlakatla Indian Community		166,000			Murkowski	S
Department of Energy	Energy Projects	Renewable Heating Technology to Decarbonize High-Temperature Foundry Processes; Mesalands Community College		128,000			Heinrich	S

Department of Energy	Energy Projects	Research Environment for the Advancement of Clean Hydrogen (REACH); Louisiana State University		4,000,000			Cassidy	S
Department of Energy	Energy Projects	Resilient Recreation Centers; City of Providence		1,025,000			Reed, Whitehouse	S
Department of Energy	Energy Projects	Solar Energy Demonstration Using Domestically Sourced, and Michigan-built, 100% Reusable Commercial-Scale Lead Battery; Grand Traverse Regional Land Conservancy		600,000			Stabenow	S
Department of Energy	Energy Projects	Sparking Progress in Battery Manufacturing; Georgia Institute of Technology		3,800,000			Ossoff, Warnock	S
Department of Energy	Energy Projects	Twin Lakes Reservoir Floating Solar Project; City of Lima		2,000,000			Brown	S
Department of Energy	Energy Projects	UMaine BioHome3D Research and Development; University of Maine System		4,000,000			Collins, King	S
Department of Energy	Energy Projects	UMaine Semiconductor Research and Development; University of Maine System		750,000			Collins	S
Department of Energy	Energy Projects	University of Connecticut for Resilient Grid System and Off-shore Wind Power Integration; University of Connecticut		1,300,000			Blumenthal, Murphy	S
Department of Energy	Energy Projects	University of South Carolina—Battery Innovation; University of South Carolina		2,160,000			Graham	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

Amounts shown over the presidential budget request level ("Additional Amount" column) are considered Community Project Funding and Congressionally Directed Spending for purposes of House and Senate rules.

Agency	Account	Project Name; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	University of Washington Tidal-Powered Ocean Observations; University of Washington		5,000,000			Cantwell, Murray	S
Department of Energy	Energy Projects	UNM Cybersecurity for Community Microgrids; University of New Mexico		644,000			Heinrich	S
Department of Energy	Energy Projects	Village of Monroeville Grid Resilience; Village of Monroeville Ohio		248,000			Brown	S
Department of Energy	Energy Projects	Village of Viola Solar PV System and Battery Storage; Village of Viola		1,412,000			Baldwin	S
Department of Energy	Energy Projects	Washington Electric Cooperative Advanced Metering Infrastructure; Washington Electric Cooperative		2,500,000			Sanders	S
Department of Energy	Energy Projects	WV Public Energy Authority Hydrogen and Critical Mineral Extraction from Fossil Fuels; West Virginia Public Energy Authority		270,000			Capito, Manchin	S
Department of Energy	Energy Projects	WVU Remote Sensing Tools for Climate Change Abatement Research; West Virginia University		280,000			Capito, Manchin	S

ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2024

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
-----					
TITLE III - DEPARTMENT OF ENERGY					
Energy Programs					
Energy Efficiency and Renewable Energy.....	3,460,000	3,826,116	3,460,000	---	-366,116
State and Community Energy Programs.....	---	705,000	---	---	-705,000
Manufacturing and Energy Supply Chains.....	---	179,490	---	---	-179,490
Federal Energy Management Program.....	---	82,200	---	---	-82,200
Cybersecurity, Energy Security, and Emergency Response	200,000	245,475	200,000	---	-45,475
Electricity.....	350,000	297,475	280,000	-70,000	-17,475
Grid Deployment.....	---	106,600	60,000	+60,000	-46,600
Nuclear Energy.....	1,323,000	1,384,887	1,525,000	+202,000	+140,113
Defense function.....	150,000	177,733	160,000	+10,000	-17,733
Subtotal.....	1,473,000	1,562,620	1,685,000	+212,000	+122,380
Fossil Energy and Carbon Management.....	890,000	905,475	865,000	-25,000	-40,475
Energy Projects.....	221,969	---	83,724	-138,245	+83,724
Naval Petroleum and Oil Shale Reserves.....	13,004	13,010	13,010	+6	---
Strategic Petroleum Reserve.....	207,175	280,969	213,390	+6,215	-67,579

ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2024

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
SPR Petroleum Account.....	100	---	100	---	+100
SPR Petroleum Account (rescission).....	-2,052,000	---	---	+2,052,000	---
SPR Petroleum Account (Subtotal).....	-2,051,900	---	100	+2,052,000	+100
Northeast Home Heating Oil Reserve.....	7,000	7,150	7,150	+150	---
Energy Information Administration.....	135,000	156,550	135,000	---	-21,550
Non-defense Environmental Cleanup.....	358,583	348,700	342,000	-16,583	-6,700
Uranium Enrichment Decontamination and Decommissioning Fund.....	879,052	857,482	855,000	-24,052	-2,482
Science.....	8,100,000	8,800,400	8,240,000	+140,000	-560,400
Nuclear Waste Disposal.....	10,205	12,040	12,040	+1,835	---
Technology Transitions.....	22,098	56,550	20,000	-2,098	-36,550
Clean Energy Demonstrations.....	89,000	215,300	50,000	-39,000	-165,300
Advanced Research Projects Agency-Energy.....	470,000	650,200	460,000	-10,000	-190,200
Title 17 Innovative Technology Loan Guarantee Program:					
New Loan Authority.....	150,000	---	---	-150,000	---
Guaranteed Loan Subsidy (rescission).....	-150,000	---	---	+150,000	---
Administrative costs.....	66,206	70,000	70,000	+3,794	---
Offsetting collections.....	-35,000	-70,000	-70,000	-35,000	---
Subtotal.....	31,206	---	---	-31,206	---

ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2024

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
-----					
Advanced Technology Vehicles Manufacturing Loan Program.....	9,800	13,000	13,000	+3,200	---
Tribal Energy Loan Guarantee Program:					
Guaranteed loan subsidy.....	2,000	---	---	-2,000	---
Administrative costs.....	2,000	6,300	6,300	+4,300	---
Subtotal.....	4,000	6,300	6,300	+2,300	---
Indian Energy Policy and Programs.....	75,000	110,050	70,000	-5,000	-40,050
Departmental Administration.....	383,578	534,053	387,078	+3,500	-146,975
Miscellaneous revenues.....	-100,578	-100,578	-100,578	---	---
Net appropriation.....	283,000	433,475	286,500	+3,500	-146,975
Office of the Inspector General.....	86,000	165,161	86,000	---	-79,161
Total, Energy programs.....	15,323,192	20,036,788	17,443,214	+2,120,022	-2,593,574
-----					
Atomic Energy Defense Activities					
National Nuclear Security Administration					
Weapons Activities.....	17,116,119	18,832,947	19,108,000	+1,991,881	+275,053
Defense Nuclear Nonproliferation.....	2,490,000	2,508,959	2,581,000	+91,000	+72,041
Naval Reactors.....	2,081,445	1,964,100	1,946,000	-135,445	-18,100
Federal Salaries and Expenses.....	475,000	538,994	500,000	+25,000	-38,994
Total, National Nuclear Security Administration.....	22,162,564	23,845,000	24,135,000	+1,972,436	+290,000

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ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2024

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
<hr/>					
Environmental and Other Defense Activities					
Defense Environmental Cleanup.....	7,025,000	7,073,587	7,285,000	+260,000	+211,413
Defense UED&D.....	586,035	427,000	285,000	-301,035	-142,000
Other Defense Activities.....	1,035,000	1,075,197	1,080,000	+45,000	+4,803
Total, Environmental and Other Defense Activities.	8,646,035	8,575,784	8,650,000	+3,965	+74,216
Total, Atomic Energy Defense Activities.....	30,808,599	32,420,784	32,785,000	+1,976,401	+364,216
Power Marketing Administrations					
Operation and maintenance, Southeastern Power					
Administration.....	8,173	8,449	8,449	+276	---
Offsetting collections.....	-8,173	-8,449	-8,449	-276	---
Subtotal.....	---	---	---	---	---
Operation and maintenance, Southwestern Power					
Administration.....	53,488	52,326	52,326	-1,162	---
Offsetting collections.....	-42,880	-40,886	-40,886	+1,994	---
Subtotal.....	10,608	11,440	11,440	+832	---

ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2024

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
-----					
Construction Rehabilitation, Operation and Maintenance, Western Area Power Administration.....	299,573	313,289	313,289	+13,716	---
Offsetting collections.....	-200,841	-213,417	-213,417	-12,576	---
Subtotal.....	98,732	99,872	99,872	+1,140	---
Falcon and Amistad Operating and Maintenance Fund.....	6,330	3,425	3,425	-2,905	---
Offsetting collections.....	-6,102	-3,197	-3,197	+2,905	---
Subtotal.....	228	228	228	---	---
Total, Power Marketing Administrations.....	109,568	111,540	111,540	+1,972	---
Federal Energy Regulatory Commission					
Salaries and expenses.....	508,400	520,000	520,000	+11,600	---
Revenues applied.....	-508,400	-520,000	-520,000	-11,600	---
Subtotal.....	---	---	---	---	---



ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2024

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
-----					
General Provisions - Department of Energy					
Colorado River Basin Fund (sec. 306).....	2,000	2,000	2,000	---	---
Sale of Petroleum Product Reserve (sec. 310).....	---	---	-95,000	-95,000	-95,000
	-----	-----	-----	-----	-----
Total, General Provisions.....	2,000	2,000	-93,000	-95,000	-95,000
	=====	=====	=====	=====	=====
Total, title III, Department of Energy.....	46,243,359	52,571,112	50,246,754	+4,003,395	-2,324,358
Appropriations.....	(48,445,359)	(52,571,112)	(50,246,754)	(+1,801,395)	(-2,324,358)
Rescissions.....	(-2,202,000)	---	---	(+2,202,000)	---
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ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES APPROPRIATIONS ACT, 2024

(Amounts in thousands)

	FY 2023 Enacted	FY 2024 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
-----					
DISASTER RELIEF SUPPLEMENTAL APPROPRIATIONS ACT, 2023 (PL 117-328, DIV N) CORPS OF ENGINEERS - CIVIL					
Department of the Army					
Investigations (emergency).....	5,000	---	---	-5,000	---
Construction (emergency).....	558,500	---	---	-558,500	---
Mississippi River and Tributaries (emergency).....	15,500	---	---	-15,500	---
Operation and Maintenance (emergency).....	376,800	---	---	-376,800	---
Flood Control and Coastal Emergencies (emergency).....	519,200	---	---	-519,200	---
Expenses (emergency).....	5,000	---	---	-5,000	---
	-----	-----	-----	-----	-----
Total, Corps of Engineers.....	1,480,000	---	---	-1,480,000	---
DEPARTMENT OF ENERGY					
Energy Programs					
Electricity (emergency).....	1,000,000	---	---	-1,000,000	---
Power Marketing Administrations					
Construction Rehabilitation, Operation and Maintenance, Western Area Power Administration (emergency).....	520,000	---	---	-520,000	---
	-----	-----	-----	-----	-----
Total, Department of Energy.....	1,520,000	---	---	-1,520,000	---
	=====	=====	=====	=====	=====
Total, Other Appropriations.....	-6,913,700	---	---	+6,913,700	---
	=====	=====	=====	=====	=====