

DIVISION D—ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES
APPROPRIATIONS ACT, 2023

The following statement to the House of Representatives and the Senate is submitted in explanation of the agreed upon Act making appropriations for energy and water development for the fiscal year ending September 30, 2023, and for other purposes.

The explanatory statement accompanying this division is approved and indicates congressional intent. Unless otherwise noted, the language set forth in House Report 117–394 carries the same weight as the language included in this explanatory statement and should be complied with unless specifically addressed to the contrary in this explanatory statement. While some language is repeated for emphasis, it is not intended to negate the language referred to above unless expressly provided herein. Additionally, where this explanatory statement states that the “agreement only includes” or “the following is the only” direction, any direction included in the House on that matter shall be considered as replaced with the direction provided within this explanatory statement. In cases where the House report or this explanatory statement has directed a briefing or the submission of a report, such briefing or report is to be submitted to the Committees on Appropriations of both Houses of Congress, hereinafter referred to as the Committees. House reporting requirements with deadlines prior to or within 15 days of enactment of this Act shall be submitted not later than 60 days after enactment of this Act. All other reporting deadlines not changed by this explanatory statement are to be met.

Funds for the individual programs and activities within the accounts in this Act are displayed in the detailed table at the end of the explanatory statement for this Act. Funding levels that are not displayed in the detailed table are identified in this explanatory statement.

In fiscal year 2023, for purposes of the Balanced Budget and Emergency Deficit Control Act of 1985 (Public Law 99–177), the following information provides the definition of the term “program, project, or activity” for departments and agencies under the jurisdiction of the Energy and Water Development and Related Agencies Appropriations Act. The term “program, project, or activity” shall include the most specific level of budget items identified in the Energy and Water Development and Related Agencies Appropriations Act, 2023 and the explanatory statement accompanying this Act.

The Comptroller General of the United States is directed to review the management and operations of the Offices of Inspector General (OIG) for the Nuclear Regulatory Commission and the Department of Energy (DOE) to assess their strategic planning, quality assurance processes, and overall effectiveness in carrying out their statutory responsibilities. For the DOE OIG, GAO is directed to review their strategic planning, especially with respect to carrying out audits that would previously have been conducted under the cooperative audit strategy. The GAO is directed to brief the Committees on its preliminary findings not later than 180 days after enactment of this Act.

TITLE I—CORPS OF ENGINEERS—CIVIL
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS—CIVIL

The summary tables included in this title set forth the dispositions with respect to the individual appropriations, projects, and activities of the Corps of Engineers (Corps). Additional items of this Act are discussed below.

Advanced Funds Agreements.—In light of a non-federal sponsor's commitment to provide all funding required for construction of the project, or separable element thereof, federal funds shall not be provided for such construction. Instead, for such projects, any federal funding may be provided only after completion of construction, as repayment of the federal share of such construction, from funding provided in this or subsequent acts for reimbursements or repayments, and would be subject to a new start designation. This direction is not intended to apply to any project with an advanced funds project partnership agreement that was in place prior to December 20, 2019.

Apportionment Under a Continuing Resolution.—The change in apportionment policy is rejected, and the Administration is directed to follow the previous policy during any continuing resolutions that may occur in this or any future fiscal years.

Budget Structure Changes.—The fiscal year 2023 budget request for the Corps proposed numerous structural changes, including the creation of two new accounts, Harbor Maintenance Trust Fund (HMTF) and Inland Waterways Trust Fund (IWTF); the shifting of various studies and projects among accounts and business lines; and the consolidation of certain remaining items. The agreement rejects all such proposed changes and instead funds all activities in the accounts in which funding has traditionally been provided. Unless expressly noted, all projects and studies remain at the levels proposed in the budget request but may be funded in different accounts. In particular:

- Projects proposed for funding in the HMTF account in the budget request are funded in the Construction, Mississippi River and Tributaries, and Operation and Maintenance accounts, as appropriate;
- Projects requested in the IWTF account are shown in the Construction account;
- Dredged Material Management Plans, requested in the Investigations account, are funded in the Operation and Maintenance account;
- Disposition studies will continue to be funded under the Disposition of Completed Projects remaining item in the Investigations account;
- Tribal Partnership projects will continue to be funded under the Tribal Partnership Program remaining item in the Investigations account as well as in the remaining item in the Construction account, and these amounts may be used to cover necessary administrative expenses prior to agreement execution;

- Project Condition Surveys, Scheduling of Reservoir Operations and Surveillance of Northern Boundary Waters will continue to be funded under states instead of consolidated into national programs as requested in the Operation and Maintenance account and the HMTF account;
- Inspection of Completed Works will continue to be funded under the individual states instead of consolidated into a national program as requested in the Operation and Maintenance account and the Mississippi River and Tributaries account; and
- Dam Safety Modification Studies, requested in the Investigations account, will be funded under the Dam Safety and Seepage/Stability Correction Program remaining item in the Construction account.

For any fiscal year, if the Corps proposes budget structure changes, the budget request shall be accompanied by a display of the funding request in the traditional budget structure.

Continuing Contracts.—The Corps is authorized by section 621 of title 33, United States Code, to execute its Civil Works projects through the use of a Special Continuing Contract Clause as described in Engineer Circulars 11–2-221 and 11–2-222, and an Incremental Funding Clause (DFARS 252.2327–7007). The Administration is directed to continue using its existing continuing contract authorities in accordance with the general provisions in this Act as an efficient approach to managing large, multi-year projects.

Deep Draft Navigation.—The agreement provides an estimated \$2,318,000,000 for HMTF eligible activities in accordance with the changes in the Coronavirus Aid, Relief, and Economic Security Act (Public Law 116–136) and the Water Resources Development Act (WRDA) of 2020 (Public Law 116–260). The agreement provides \$56,000,000 for the program authorized by section 2106(c) of the Water Resources and Reform Development Act (WRRDA) of 2014 (Public Law 113–121).

Invasive Carp.—The Corps is undertaking multiple efforts to stop invasive carp from reaching the Great Lakes. There is appreciation that the Corps' spend plan for fiscal year 2022 funding provided under the Infrastructure Investment and Jobs Act (IIJA) (Public Law 117–58) included \$225,838,000 to initiate construction of the Brandon Road Lock and Dam, Aquatic Nuisance Species Barrier project. Further, the fiscal year 2023 budget request includes \$47,880,500 for the project to continue this important effort. As the Corps prioritizes projects, it shall consider critical projects to prevent the spread of invasive species. The Corps is directed to provide to the Committees quarterly updates on the progress and status of efforts to prevent the further spread of invasive carp, including the Brandon Road Recommended Plan and the second array at the Chicago Sanitary and Ship Canal; the location and density of carp populations; the use of emergency procedures previously authorized by Congress; the development, consideration, and implementation of new technological and structural countermeasures; and progress on preconstruction engineering and design (PED) and construction work.

The Corps shall continue to collaborate at levels commensurate with previous years with the U.S. Coast Guard, the U.S. Fish and Wildlife Service, the State of Illinois, and members of the Invasive Carp Regional Coordinating Committee, including identifying navigation protocols that would be beneficial or effective in reducing the risk of vessels inadvertently carrying aquatic invasive species, including invasive

carp, through the Brandon Road Lock and Dam in Joliet, Illinois. Any findings of such an evaluation shall be included in the quarterly briefings to the Committees. The Corps is further directed to implement navigation protocols shown to be effective at reducing the risk of entrainment without jeopardizing the safety of vessels and crews. The Corps and other federal and state agencies are conducting ongoing research on additional potential invasive carp solutions. The Corps is directed to provide to the Committees not later than 30 days after enactment of this Act a briefing on such navigation protocols and potential solutions.

Reporting Requirement.—The Corps is directed to provide to the Committees a quarterly report that shall include the total budget authority and unobligated balances by year for each program, project, or activity, including any prior year appropriations. The Assistant Secretary of the Army for Civil Works is directed to provide to the Committees a quarterly report that includes the total budget authority and unobligated balances by year for each activity funded in the Office of the Assistant Secretary of the Army for Civil Works account, including any prior year appropriations.

Reprogramming.—The reprogramming legislation provided in the Energy and Water Development and Related Agencies Appropriations Act, 2020 (Public Law 116–94) is retained.

ADDITIONAL FUNDING

The agreement includes funding above the budget request to ensure continued improvements to our national economy, public safety, and environmental health that result from water resources projects. This funding is for additional work that either was not included in the budget request or was inadequately budgeted. The bill contains a provision requiring the Corps to allocate funds in accordance with only the direction in this agreement. In lieu of all House direction—under any heading—regarding additional funding, new starts, and the fiscal year 2023 work plan, the Corps shall follow the direction included in this explanatory statement.

The executive branch retains complete discretion over project-specific allocation decisions within the additional funds provided, subject to only the direction here and under the heading “Additional Funding” or “Additional Funding for Ongoing Work” within each of the Investigations, Construction, Mississippi River and Tributaries, and Operation and Maintenance accounts. A study or project may not be excluded from evaluation for being “inconsistent with Administration policy.” Voluntary funding in excess of legally-required cost shares for studies and projects is acceptable, but shall not be used as a criterion for allocating the additional funding provided or for the selection of new starts.

The Administration is reminded that these funds are in addition to the budget request, and Administration budget metrics shall not be a reason to disqualify a study or project from being funded. It is expected that all of the additional funding provided will be allocated to specific programs, projects, or activities. The focus of the allocation process shall favor the obligation, rather than expenditure, of funds. Additionally, the Administration shall consider the extent to which the Corps is able to obligate funds as it

allocates the additional funding. The Corps shall evaluate all studies and projects only within accounts and categories consistent with previous congressional funding.

A project or study shall be eligible for additional funding within the Investigations, Construction, and Mississippi River and Tributaries accounts if: (1) it has received funding, other than through a reprogramming, in at least one of the previous three fiscal years; or (2) it was previously funded and could reach a significant milestone, complete a discrete element of work, or produce significant outputs in fiscal year 2023. None of the additional funding in any account may be used for any item where funding was specifically denied or for projects in the Continuing Authorities Program (CAP). Funds shall be allocated consistent with statutory cost share requirements. Also, funding associated with each category of Additional Funding may be allocated as appropriate to any eligible study or project within that category; funding associated with each subcategory may be allocated only to eligible studies or projects, within that subcategory.

The Corps is reminded that the flood and storm damage reduction mission area can include instances where non-federal sponsors are seeking assistance with flood control and unauthorized discharges from permitted wastewater treatment facilities and that the navigation mission area includes work in remote and subsistence harbor areas. In addition to the priority factors used to allocate all additional funding provided in the Construction account, the Corps also shall consider the non-federal sponsor's ability and willingness to promptly provide the required cash contribution, if any, as well as required lands, easements, rights-of-way, relocations, and disposal areas.

Work Plan.—The Corps is directed to provide to the Committees not later than 60 days after enactment of this Act a work plan including the following information: (1) a detailed description of the process and criteria used to evaluate studies and projects; (2) delineation of how these funds are to be allocated; (3) a summary of the work to be accomplished with each allocation, including phase of work and the study or project's remaining cost to complete (excluding Operation and Maintenance); and (4) a list of all studies and projects that were considered eligible for funding but did not receive funding, including an explanation of whether the study or project could have used funds in fiscal year 2023 and the specific reasons each study or project was considered as being less competitive for an allocation of funds.

The Administration shall not delay apportioning the funding for Community Project Funding and Congressionally Directed Spending while developing the work plan for additional funding.

New Starts.—The agreement includes funding for a limited number of new projects, including those proposed in the budget request. No further new starts are provided for in this Act.

While there remains significant need for new investments in water resources projects, decisions regarding the processes by which projects may be made eligible for funding or the manner in which projects are funded can only be made by the Committees.

There continues to be confusion regarding the executive branch's policies and guidelines regarding which studies and projects require new start designations. Therefore, the Corps is directed to notify the Committees at least seven days prior to execution of an agreement for construction of any project

except environmental infrastructure projects and projects under the CAP. Additionally, the agreement reiterates and clarifies previous congressional direction as follows. Neither study nor construction activities related to individual projects authorized under section 1037 of WRRDA of 2014 shall require a new start or new investment decision; these activities shall be considered ongoing work. No new start or new investment decision shall be required when moving from feasibility to PED. The initiation of construction of an individually authorized project funded within a programmatic line item may not require a new start designation provided that some amount of construction funding under such programmatic line item was appropriated and expended during the previous fiscal year. No new start or new investment decision shall be required to initiate work on a separable element of a project when construction of one or more separable elements of that project was initiated previously; it shall be considered ongoing work. A new construction start shall not be required for work undertaken to correct a design deficiency on an existing federal project; it shall be considered ongoing work. The Corps is reminded that resumptions are just that—resumption of previously-initiated studies or projects and, as such, do not require new start designations.

INVESTIGATIONS

The agreement includes \$172,500,000 for Investigations.

The allocation for projects and activities within the Investigations account is shown in the following table:

~~[INSERT TABLE]~~

insert 7a-c

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
ALABAMA		
CLAIRBORNE AND MILLERS FERRY LOCKS AND DAMS (FISH PASSAGE), LOWER ALABAMA RIVER, AL	400	400
TENNESSEE TOMBIGBEE WATERWAY AND BLACK WARRIOR AND TOMBIGBEE RIVERS DEEPENING STUDY, AL & MS	---	2,600
ALASKA		
AKUTAN HARBOR NAVIGATIONAL IMPROVEMENTS, AK	300	--- ~
HOMER NAVIGATION IMPROVEMENTS, AK	---	300
ST. GEORGE HARBOR IMPROVEMENT, ST. GEORGE, AK	---	2,500
ARIZONA		
CAVE BUTTES DAM, AZ	---	200
RIO SALADO OESTE, SALT RIVER, AZ	---	300
TRES RIOS, AZ (GENERAL REEVALUATION REPORT)	500	500
CALIFORNIA		
CARBON CANYON DAM, SANTA ANA RIVER BASIN, CA	1,500	--- ^
LOS ANGELES COUNTY DRAINAGE AREA (CHANNELS), CA	185	--- ~
LOWER SAN JOAQUIN (LATHROP & MANTECA), CA	600	600
MIDDLE CREEK, CA	---	750
MOJAVE RIVER DAM, CA	100	--- ^
MURRIETA CREEK, CA (GENERAL REEVALUATION REPORT)	500	500
NORTHERN CALIFORNIA STREAMS, LOWER CACHE CREEK, YOLO COUNTY, WOODLAND & VICINITY, CA	---	1,000
REDBANK AND FANCHER CREEKS, CA	---	200
SACRAMENTO RIVER, YOLO BYPASS, CA	500	500
CONNECTICUT		
HARTFORD AND EAST HARTFORD, CT	---	1,000
FLORIDA		
CENTRAL & SOUTHERN FLORIDA (C&SF) FLOOD RESILIENCY (SECTION 216) STUDY, FL	475	475
CHARLOTTE COUNTY, FL	---	500
FLORIDA KEYS, MONROE COUNTY, FL	---	916
ST. AUGUSTINE BACK BAY, FL	---	1,000
GEORGIA		
BRUNSWICK HARBOR, GA	---	1,500

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
IDAHO		
BOISE RIVER, GARDEN CITY, ADA COUNTY, ID	300	300
ILLINOIS		
GREAT LAKES COASTAL RESILIENCY STUDY, IL, IN, MI, MN, NY, OH, PA and WI	600	3,000
SOUTH FORK OF THE SOUTH BRANCH OF THE CHICAGO RIVER, IL	---	1,300
KANSAS		
LOWER MISSOURI RIVER BASIN, KS, MO & IA	400	400
SOLDIER CREEK WATERSHED, KS	200	--- ~
KENTUCKY		
KENTUCKY RIVER, BEATTYVILLE, KY	---	800
LOUISIANA		
PORT FOURCHON BELLE PASS CHANNEL, LA	---	303
PORT OF IBERIA, LA	---	1,200
MASSACHUSETTS		
CITY OF BOSTON COASTAL STORM RISK MANAGEMENT, MA	250	250
HOOSIC RIVER BASIN, MA	---	200
MICHIGAN		
MENOMINEE RIVER DEEPENING, MI & WI	---	600
MINNESOTA		
LOWER ST. ANTHONY FALLS, MISSISSIPPI RIVER, MN	550	--- ~
MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS (MVP PORTION), MN	750	--- ^
MISSISSIPPI		
GULFPORT HARBOR, MS	---	200
MISSOURI		
LITTLE BLUE RIVER BASIN, JACKSON COUNTY, MO	400	400
LOWER MISSOURI BASIN - BRUNSWICK L-246, MO	---	500

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
LOWER MISSOURI BASIN - HOLT COUNTY, MO & DONIPHAN COUNTY, KS	---	600
LOWER MISSOURI BASIN - JEFFERSON CITY L-142, MO	---	500
ST. LOUIS RIVERFRONT, MERAMEC RIVER BASIN, MO and IL	---	1,400
NEW JERSEY		
WHIPPANY RIVER, NJ	---	300
NEW YORK		
NEW YORK AND NEW JERSEY HARBOR DEEPENING AND CHANNEL IMPROVEMENTS STUDY, NY & NJ	---	1,000
NORTH CAROLINA		
BRUNSWICK COUNTY BEACHES, NC (HOLDEN BEACH)	---	1,000
BRUNSWICK COUNTY BEACHES, NC (OAK ISLAND)	---	500
WILMINGTON HARBOR NAVIGATION IMPROVEMENTS, NC	---	1,500
NORTH DAKOTA		
GARRISON DAM, LAKE SAKAKAWEA, ND	4,250	--- ^
OKLAHOMA		
KEYSTONE LAKE, OK	3,750	--- ^
OPTIMA LAKE, OK	200	--- ~
WISTER LAKE, OK	500	--- ^
OREGON		
COLUMBIA RIVER TREATY 2024 IMPLEMENTATION, OR	10,350	--- ^
JOHN DAY LOCK AND DAM, OR & WA (TRIBAL HOUSING)	---	200
LOOKOUT POINT LAKE, OR	500	--- ^
PORTLAND METRO LEVEE SYSTEM, OR	3,775	3,775
WILLAMETTE RIVER ENVIRONMENTAL DREDGING, OR	---	374
PENNSYLVANIA		
KINZUA DAM AND ALLEGHENY RESERVOIR, PA	3,500	--- ^
RHODE ISLAND		
LITTLE NARRAGANSETT BAY, RI	600	600

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
SOUTH CAROLINA		
CHARLESTON PENINSULA, SC	---	13,325
CHARLESTON, SC TIDAL AND INLAND FLOODING – FLOOD RISK MANAGEMENT	---	200
FOLLY BEACH, SC	---	500
PORT ROYAL HARBOR, SC	308	--- ~
WACCAMAW RIVER, HORRY COUNTY, SC	300	300
SOUTH DAKOTA		
WATERTOWN AND VICINITY, SD	---	850
TENNESSEE		
HATCHIE/LOOSAHATCHIE, MISSISSIPPI RIVER MILE 775-736 HABITAT RESTORATION, TN & AR	400	400
TEXAS		
ARKANSAS-RED RIVER CHLORIDE CONTROL, AREA VIII, TX	557	---
ESTELLINE SPRINGS EXPERIMENTAL PROJECT, TX	200	--- ~
JOE POOL LAKE, TX	750	--- ^
WHITNEY LAKE, TX	200	200
VERMONT		
NORTH SPRINGFIELD LAKE, VT	1,750	--- ^
VIRGIN ISLANDS		
CHRISTIANSTED HARBOR, VI	---	200
VIRGINIA		
ATLANTIC INTRACOASTAL WATERWAY, NORTH LANDING BRIDGE, VA	---	5,000
WASHINGTON		
BONNEVILLE LOCK AND DAM, WA (TRIBAL HOUSING)	---	100
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA and PORTLAND, OR	1,850	--- ^
COLUMBIA RIVER TURNING BASIN NAVIGATION IMPROVEMENTS, WA & OR	---	900
TACOMA HARBOR, WA	---	1,500
WEST VIRGINIA		
UPPER GUYANDOTTE FEASIBILITY STUDY, WV	---	250

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
WYOMING		
LITTLE GOOSE CREEK, SHERIDAN, WY	1,000	1,000
SUBTOTAL, PROJECTS LISTED UNDER STATES	43,250	61,668
REMAINING ITEMS		
ADDITIONAL FUNDING	---	3,500
FLOOD AND STORM DAMAGE REDUCTION	---	4,000
ACCESS TO WATER DATA	325	325
AUTOMATED INFORMATION SYSTEMS SUPPORT Tri-CADD	250	250
COASTAL FIELD DATA COLLECTION	660	3,660
COORDINATION WITH OTHER WATER RESOURCES AGENCIES	600	1,000
DISPOSITION OF COMPLETED PROJECTS	---	1,593 *
ENVIRONMENTAL DATA STUDIES	80	80
FERC LICENSING	100	100
FLOOD DAMAGE DATA	275	275
FLOOD PLAIN MANAGEMENT SERVICES	20,000	20,000
HYDROLOGIC STUDIES	500	500
INTERAGENCY WATER RESOURCES DEVELOPMENT	10	10
INTERNATIONAL WATER STUDIES	85	85
INVENTORY OF DAMS	500	500
NATIONAL FLOOD RISK MANAGEMENT PROGRAM	6,400	6,400
NATIONAL SHORELINE MANAGEMENT STUDY	---	1,350
PLANNING ASSISTANCE TO STATES	11,000	11,000
PLANNING SUPPORT PROGRAM	3,500	3,500
PRECIPITATION STUDIES	150	150
REMOTE SENSING/GEOGRAPHIC INFORMATION SYSTEM SUPPORT	75	2,175
RESEARCH AND DEVELOPMENT	15,000	39,000
RIVER BASIN COMMISSIONS (MID-ATLANTIC RIVER BASIN COMMISSIONS: DELAWARE RIVER BASIN COMMISSION)	---	715
SCIENTIFIC AND TECHNICAL INFORMATION CENTERS	50	50
SPECIAL INVESTIGATIONS	750	750
STREAM GAGING	1,350	1,350
TRANSPORTATION SYSTEMS	1,000	1,000
TRIBAL PARTNERSHIP PROGRAM	---	7,514 *
LOWER MOREAU, SD	---	(230)
THUNDER BUTTE FLOOD RISK RESILIENCY, SD	---	(430)
SUBTOTAL, REMAINING ITEMS	62,660	110,832
TOTAL, INVESTIGATIONS	105,910	172,500

^Funded in another account.

~Funded in remaining items.

*Includes funds requested in Projects Listed Under States within this account.

Updated Capabilities.—The agreement adjusts some project-specific allocations downward based on updated technical information from the Corps.

Additional Funding.—The Corps is expected to allocate the additional funding provided in this account primarily to specific feasibility and PED phases, rather than to remaining items as has been the case in previous work plans. The Corps shall include appropriate requests for funding in future budget submissions for PED and new feasibility studies initiated in fiscal year 2023. The Administration is reminded that a project study is not complete until the PED phase is complete and that no new start or new investment decision shall be required when moving from feasibility to PED.

Of the additional funding provided, \$4,000,000 shall be for Flood Risk Management PED activities.

When allocating the additional funding provided in this account, the Corps shall consider prioritizing: completing or accelerating ongoing studies that will enhance the nation's economic development, job growth, and international competitiveness; projects located in areas that have suffered recent natural disasters; projects that protect life and property; or projects addressing legal requirements. The Corps is urged to consider any national security benefits a project may have when allocating this funding. The Corps is encouraged to prioritize completing or accelerating ongoing studies for flood risk management projects in areas experiencing dramatic or rapid increases in urban development in and around project sites.

Baltimore Harbor and Channels, Maryland--Seagirt Loop Deepening.—The importance of the Port of Baltimore and the need to adequately support the significant growth in vessel size and cargo capacities of ships is noted. If funds remain when the study completes, the Corps is encouraged to use such funds for PED.

Beattyville, Kentucky.—The Corps is encouraged to continue to work expeditiously with the non-federal sponsor on plans to reduce flooding near Beattyville.

Bubbly Creek.—The Corps is directed to provide to the Committees not later than 90 days after enactment of this Act a briefing on proposed solutions on a path forward for this restoration project.

Chacon Creek, Texas.—The Corps is encouraged to include appropriate funding for this project in future budget submissions.

Chicago River.—The Corps is urged to work with the City of Chicago River Ecology and Governance Task Force toward a comprehensive ecosystem restoration project for the restoration of the Chicago River. The Corps is encouraged to consider including funding for this study in future budget submissions.

Coastal Field Data Collection.—The agreement provides an additional \$2,000,000 to continue data collection and research on the impact of extreme storms in coastal regions. Additionally, with the funds provided, the Corps is encouraged to evaluate the readiness of the unique facilities and equipment necessary to support this effort and to include increased funding in future budget submissions in order to revitalize and modernize facilities and equipment in support of this program.

Coordination with Other Water Resource Agencies.—The agreement includes \$200,000 for continued collaboration with other federal agencies and stakeholders on invasive species challenges.

Disposition of Completed Projects.—The Corps is directed to provide to the Committees copies of disposition studies upon completion. The agreement rejects the budget request proposal to fund a disposition study of the Arkansas Red River Chloride Control project. The Corps is directed to brief the Committees not later than 60 days after enactment of this Act on the status of the project.

Flood Policy in Urban Areas.—The Corps is reminded that the Flood Policy in Urban Areas report as detailed in section 1211 of America's Water Infrastructure Act of 2018 (AWIA) (Public Law 115–270) can be completed using existing funds, if needed. The Corps is directed to provide to the Committees not later than 45 days after enactment of this Act a briefing on the findings of this report.

Indian Wells Valley Groundwater Basin.—The Corps is directed to coordinate with the Indian Wells Valley Groundwater Authority and the base and within its existing authorities, to consider and, if appropriate, assist with reducing or eliminating overdraft and increasing water supply resiliency, including through importation of water into the basin, infrastructure planning, and permitting assistance.

Louisiana Coastal Area Task Force.—The Corps is encouraged, as appropriate, to establish the Task Force authorized by section 7004 of WRDA of 2007 (Public Law 110-114) to improve coordination of ecosystem restoration in the Louisiana Coastal Area and is reminded of the reporting requirement in section 212 of WRDA of 2020.

Murrieta Creek, California.—The Corps is urged to move forward with the General Reevaluation Report and construction of Phase 2B expeditiously. The Corps is also expected to minimize contingencies included in the cost estimate to the maximum degree practicable.

Non-Contiguous Regional Sediment Study.—The agreement reiterates House direction.

North Atlantic Division Report on Hurricane Barriers and Harbors of Refuge.—The importance of the North Atlantic Division report on hurricane barriers and harbors of refuge mandated under section 1218 of AWIA is recognized. While the Corps has completed an initial report focused on the New England area, the report is not complete. The Corps is encouraged to complete the report and is reminded to include reporting requirements in future budget requests, if needed.

Planning Assistance to States.—The Corps is encouraged to continue building capacity to provide this assistance to vulnerable coastal communities, including tribal, Alaskan Native, and Native Hawaiian communities. Within the funds provided, the Corps is directed to prioritize providing planning-level technical assistance to coastal federally recognized tribal communities that are actively working to relocate homes and other critical infrastructure to higher ground to mitigate the impacts of climate change, which include but are not limited to studies, surveys, and rates of erosion of land being evaluated for relocation. The Corps is also reminded that this program encompasses many types of studies and technical assistance dealing with a number of water resource issues, including but not limited to sediment management, coastal resilience, state water planning, water distribution, and water supply evaluations.

Remote Sensing/Geographic Information System Support.—The agreement includes \$2,100,000 to implement the results of a pilot effort funded in fiscal year 2020 to identify modernization initiatives and recommendations for the procurement of advanced integrated Global Positioning System and optical surveying and mapping equipment. The Corps is directed to provide to the Committees, prior to the obligation of any funds, a briefing on this effort, to include proposed avenues to modernize this type of equipment at Districts nationwide.

Research and Development.—The Corps is encouraged to engage in monitored field trials of coastal restoration optimized for blue carbon CO₂ sequestration. The Corps is directed to investigate partnering with one or more Historically Black Colleges and Universities (HBCUs) to offer internship opportunities.

Research and Development, Biopolymers.—The agreement provides \$6,000,000 to continue research activities. It is understood that this effort will be completed in 2024.

Research and Development, Earthen Dams and Levees.—The value of work on earthen dams and levees, specifically with a focus on comprehensive modeling and the impacts of seepage, slope stability, and multiple modes of failure, is recognized. The Corps is encouraged to include funding for these activities in future budget requests.

Research and Development, Flood and Coastal Systems.—The importance of ensuring the integrity of the nation's flood control systems and employing the most effective technologies to identify potential deficiencies in these systems is recognized. The agreement provides \$5,000,000 to utilize partnerships to research and develop advanced technology to automate assessment and inspection of flood control systems for the purpose of identifying levee deficiencies such as slope instability, settlement and seepage, and ensuring the safety of the surrounding areas and communities. This work is expected to contribute to existing operations and maintenance activities. It is understood that this effort will be completed in 2024.

Research and Development, Future Work.—The value of research topics addressed by the Army Engineer Research and Development Center (ERDC) that advance the Civil Works missions of the Corps is valued and recognized. It is understood that responding to critical research needs benefit the Corps by leveraging the expertise of universities through partnerships. The Committees encourage the ERDC to thoughtfully prioritize work that will support the underlying mission areas of the Corps. The ERDC is directed to provide to the Committees not later than 60 days after enactment of this Act a briefing on future research needs (including multi-year funding requirements) and potential university partnerships related to its strategic goals.

Research and Development, Innovative Materials.—The agreement provides \$1,500,000 to fully fund a study on innovative materials as detailed in section 1173 of the Water Infrastructure Improvements for the Nation (WIIN) Act (Public Law 114–322). It is understood that the report will be completed in one year.

Research and Development, Modeling.—The agreement provides \$4,000,000 to support ongoing research into geochemical, geophysical, and sedimentological analysis and modeling. It is understood that this effort will be completed in 2024.

Research and Development, Modernize Existing Coastal and Hydraulic Models.—The recommendation provides \$5,000,000 to continue the effort of modernizing existing Corps coastal and hydraulics models and integrate them to make them accessible for use by other agencies, universities, and the public. The Corps is encouraged to collaborate with HBCUs as part of this effort. It is understood that this effort will complete in 2026. The Corps is directed to provide to the Committees not later than 60 days after enactment of this Act a briefing on the status of this effort.

Research and Development, Oyster Reef Restoration.—The agreement provides \$1,500,000 to fully fund follow-on activities related to the identification of effective oyster restoration strategies. The Corps is encouraged to continue ongoing partnerships with research universities to leverage their expertise to enhance these activities. The Corps is directed to provide to the Committees not later than 60 days after enactment of this Act a briefing on the status of this effort.

Research and Development, Polymer Composites.—The Corps is directed to provide to the Committees not later than 90 days after enactment of this Act a briefing on the progress of the report funded by Public Law 117-58 and future work to be undertaken on this effort.

Research and Development, Subsurface Drains.—The Corps is encouraged to fund research and development opportunities of subsurface drain systems as potential flood risk or coastal storm risk reduction measures in project development.

Research and Development, Urban Flood Damage Reduction.—The agreement includes \$3,000,000 for the Corps to continue its focus on the management of water resources infrastructure and projects that promote public safety, reduce risk, improve operational efficiencies, reduce flood damage, and sustain the environment. The Corps shall continue its focus on addressing needs for resilient water resources infrastructure. Work should focus on unique western U.S. issues like wildfire; rain-on-snow; atmospheric rivers effects on flood risk management; and bridging the connection between climate change science and engineering application for flood risk management, emergency management, and ecosystem management. The tools and technologies developed under this program should also be applicable to other parts of the country. It is understood that with continued funding this effort will be completed in 2025.

River Basin Commissions.—The agreement provides funds under the River Basin Commission line item to meet the federal government's equitable funding requirements pursuant to the Delaware River Basin Compact. The Congress has made clear its intent that the Susquehanna, Delaware, and Potomac River Basin Commissions be supported, and the Corps is encouraged to budget accordingly in future budget submissions. The Corps is directed to provide to the Committees not later than 90 days after enactment of this Act a briefing describing the reasons why funds have not been provided to these commissions since 2015.

Shore Protection Easements.—Periodic restoration of shore protection projects are important for the protection of public safety, public infrastructure, native vegetation and wildlife, as well as economy stability in oceanfront communities. Local governments are facing challenges in obtaining necessary approvals for easements when no work will be performed on the property for which the easement is being required. The Corps is encouraged to work with local governments to incorporate flexibility in project agreement language that allows for incremental acquisition of easements necessary for scheduled nourishments.

Six-State High Plains Ogallala Aquifer Area Study.—The agreement reiterates House direction.

Tittabawassee River Watershed.—The Corps is encouraged to participate and coordinate as a federal stakeholder with the Department of Agriculture, Environmental Protection Agency, the Federal Emergency Management Agency, and the National Oceanic and Atmospheric Administration (NOAA), as well as state, local, and tribal governments, and business and non-profit stakeholders, on developing and supporting conservation and environment-based flood mitigation measures to reduce the impact of floods on communities, lives, and livelihoods within the Tittabawassee River Watershed in the Great Lakes Bay Region.

Upper Mississippi River Basin and Northeast Iowa Flooding.—Within its existing authorities, the Corps is encouraged to continue coordinating closely with affected communities in this region and to help these communities mitigate future flood disasters in this area.

Upper Rio Grande Basin.—A comprehensive approach with the National Academies of Sciences and the Bureau of Reclamation on water and reservoir management, operation issues, and climate resiliency within the Upper Rio Grande Basin (including the Heron, El Vado, Abiquiu, Cochiti, Jemez Canyon, Elephant Butte, and Caballo Dams and Reservoirs) is encouraged. Accordingly, the Corps is directed to provide to the Committees not later than 90 days after enactment of this Act a briefing on the work that has been done to date and any additional work that can be done.

CONSTRUCTION

The agreement includes \$1,808,800,000 for Construction.

The allocation for projects and activities within the Construction account is shown in the following table:

~~[INSERT TABLE]~~

insert 13a-e

CORPS OF ENGINEERS - CONSTRUCTION
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
ALASKA		
UNALASKA (DUTCH HARBOR) CHANNELS, AK	---	25,600
ARIZONA		
WESTERN RURAL WATER, AZ, NV, MT, ID, NM, UT & WY (ARIZONA ENVIRONMENTAL INFRASTRUCTURE, AZ)	---	5,550
WESTERN RURAL WATER, AZ, NV, MT, ID, NM, UT & WY (ARIZONA ENVIRONMENTAL INFRASTRUCTURE, AZ - CITY OF DOUGLAS)	---	2,175
WESTERN RURAL WATER, AZ, NV, MT, ID, NM, UT & WY (ARIZONA ENVIRONMENTAL INFRASTRUCTURE, AZ - FORT TUTHILL)	---	3,300
ARKANSAS		
MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, AR & OK	---	10,000
CALIFORNIA		
ALAMEDA AND CONTRA COSTA COUNTIES, CA	---	4,200
AMERICAN RIVER COMMON FEATURES, NATOMAS BASIN, CA	172,700	63,702
AMERICAN RIVER WATERSHED, FOLSOM DAM RAISE, CA	---	3,058
CALAVERAS COUNTY, SECTION 219, CA	---	1,000
DESERT HOT SPRINGS, SECTION 219, CA	---	800
HAMILTON AIRFIELD WETLANDS RESTORATION, CA	---	500
MURRIETA CREEK, CA	---	8,500
PRADO DAM, CA (DAM SAFETY)	50,000	50,000
SACRAMENTO AREA ENVIRONMENTAL INFRASTRUCTURE (ORANGEVALE), CA	---	2,000
SAN JOAQUIN RIVER BASIN, LOWER SAN JOAQUIN, CA	40,000	5,000
WEST SACRAMENTO, CA	79,701	72,313
DELAWARE		
DELAWARE COAST PROTECTION, DE	---	150
FLORIDA		
FLORIDA KEYS WATER QUALITY IMPROVEMENT PROJECT, FL	---	5,694
SOUTH FLORIDA ECOSYSTEM RESTORATION, FL	406,982	446,982
SOUTH FLORIDA ECOSYSTEM RESTORATION, FL (SOUTHCENTRAL BISCAYNE BAY HYDROLOGIC MONITORING NETWORK)	---	350
GEORGIA		
ALBANY, GA	---	4,000

CORPS OF ENGINEERS - CONSTRUCTION
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
IDAHO		
LITTLE WOOD RIVER, ID	---	2,300
ILLINOIS		
BRANDON ROAD LOCK AND DAM, AQUATIC NUISANCE SPECIES BARRIER, IL	47,881	47,881
COOK COUNTY, IL	---	4,000
COOK COUNTY, IL (CICERO WATER MAIN REPLACEMENT)	---	2,000
DES PLAINES RIVER, IL (PHASE II)	---	11,000
MADISON & ST. CLAIR COUNTIES, IL (CAHOKIA HEIGHTS)	---	3,500
MADISON & ST. CLAIR COUNTIES, IL (WOOD RIVER & BELLEVILLE)	---	3,500
UPPER MISSISSIPPI RIVER - ILLINOIS WW SYSTEM, IL, IA, MN, MO & WI	---	49,300
UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI	55,000	55,000
INDIANA		
CALUMET REGION, IN	---	4,500
INDIANA SHORELINE, IN	---	1,000
INDIANAPOLIS, IN	---	500
IOWA		
MISSOURI RIVER FISH AND WILDLIFE RECOVERY, IA, KS, MO, MT, NE, ND & SD	25,212	25,212
KANSAS		
ATCHISON, KS CSO ENVIRONMENTAL INFRASTRUCTURE	---	500
LOUISIANA		
CALCASIEU RIVER AND PASS, LA	---	9,000
J BENNETT JOHNSTON WATERWAY, LA	---	15,500
LOUISIANA COASTAL AREA ECOSYSTEM RESTORATION, LA	4,500	4,500
SOUTHWEST COASTAL LOUISIANA HURRICANE PROTECTION, LA	---	10,000
MARYLAND		
CHESAPEAKE BAY ENVIRONMENTAL RESTORATION & PROTECTION PROGRAM, DC, DE, MD, NY, PA, VA & WV (HOOPERS ISLAND, MD)	---	100
CHESAPEAKE BAY OYSTER RECOVERY, MD & VA	3,500	7,500
POPLAR ISLAND, MD	---	21,345 *
MICHIGAN		
MICHIGAN COMBINED SEWER OVERFLOWS, LANSING, MI	---	6,000

CORPS OF ENGINEERS - CONSTRUCTION
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MISSISSIPPI		
DESOTO COUNTY REGIONAL WASTEWAY SYSTEM, MS	---	7,835
MISSOURI		
MISSISSIPPI RIVER BETWEEN THE OHIO AND MISSOURI RIVERS (REG WORKS), MO & IL	10,000	10,000
NEW JERSEY		
BARNEGAT INLET TO LITTLE EGG INLET, NJ	---	32,000
TOWNSENDS INLET TO CAPE MAY INLET, NJ	---	1,000
NEW MEXICO		
ACEQUIAS ENVIRONMENTAL INFRASTRUCTURE, NM	---	9,600
WESTERN RURAL WATER, AZ, NV, MT, ID, NM, UT & WY (NEW MEXICO ENVIRONMENTAL INFRASTRUCTURE, NM)	---	11,000
NEW YORK		
HUDSON-RARITAN ESTUARY, NY & NJ (FRESH CREEK, NY)	---	500
NORTH CAROLINA		
NORTH CAROLINA SECTION 5113, NC (BRUNSWICK COUNTY)	---	100
NORTH CAROLINA SECTION 5113, NC (HOLDEN BEACH)	---	100
NORTH DAKOTA		
PIPESTEM LAKE, ND	25,330	---
OHIO		
OHIO ENVIRONMENTAL INFRASTRUCTURE, SECTION 594, OH (AVON LAKE)	---	1,000
OHIO ENVIRONMENTAL INFRASTRUCTURE, SECTION 594, OH (CANFIELD TOWNSHIP)	---	1,000
OHIO ENVIRONMENTAL INFRASTRUCTURE, SECTION 594, OH (CLEVELAND)	---	1,000
OHIO RIVERFRONT, CINCINNATI, OH	---	900
OKLAHOMA		
LUGERT-ALTUS IRRIGATION DISTRICT, OK	---	5,000
OREGON		
COLUMBIA RIVER CHANNEL IMPROVEMENTS, OR & WA	---	4,000

CORPS OF ENGINEERS - CONSTRUCTION
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
PENNSYLVANIA		
SOUTH CENTRAL PENNSYLVANIA ENVIRONMENTAL IMPROVEMENT, PA	---	4,000
SOUTH CENTRAL PENNSYLVANIA ENVIRONMENTAL IMPROVEMENT, PA (ALLEGHENY COUNTY)	---	2,000
SOUTH CAROLINA		
CHARLESTON HARBOR, SC	---	10,000
LAKES MARION AND MOULTRIE, SC	---	10,511
TENNESSEE		
CHICKAMAUGA LOCK, TENNESSEE RIVER, TN	25,545	---
TEXAS		
CORPUS CHRISTI SHIP CHANNEL, TX (MAIN CHANNEL AND BARGE LANES)	157,263	157,263
EL PASO COUNTY, TX	---	1,000
FREEPORT HARBOR, TX	---	90,660
SABINE-NECHES WATERWAY, TX	---	167,402
TEXAS ENVIRONMENTAL INFRASTRUCTURE PROGRAM, TX (BEAR BRANCH DAM MODIFICATION)	---	3,600
VIRGINIA		
CHESAPEAKE BAY ENVIRONMENTAL RESTORATION & PROTECTION PROGRAM, DC, DE, MD, NY, PA, VA & WV (MONEY POINT, VA)	---	11,250
NORFOLK HARBOR AND CHANNELS, CRANEY ISLAND, VA	---	30,000
WASHINGTON		
COLUMBIA RIVER FISH MITIGATION, WA, OR & ID (CRFM)	29,175	29,175
DUWAMISH AND GREEN RIVER BASIN, WA	---	2,000
MOUNT ST. HELENS SEDIMENT CONTROL, WA	3,000	3,000
PUGET SOUND NEARSHORE MARINE HABITAT RESTORATION, WA	---	6,000
WEST VIRGINIA		
CENTRAL WEST VIRGINIA ENVIRONMENTAL INFRASTRUCTURE, WV (SECTION 571)	---	10,000
SOUTHERN WEST VIRGINIA ENVIRONMENTAL INFRASTRUCTURE, WV (SECTION 340)	---	10,000
SUBTOTAL, PROJECTS LISTED UNDER STATES	1,135,788	1,631,907

CORPS OF ENGINEERS - CONSTRUCTION
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
REMAINING ITEMS		
AQUATIC PLANT CONTROL PROGRAM	---	38,000
BENEFICIAL USE OF DREDGED MATERIAL PILOT PROGRAM	---	4,173
HICKORY COVE MARSH AND LIVING SHORELINE, TX	---	(500)
CONTINUING AUTHORITIES PROGRAM		
AQUATIC ECOSYSTEM RESTORATION (SECTION 206)	1,000	13,000
UPPER SANTA CLARA RIVER WATERSHED MANAGEMENT PROJECT, CA	---	(50)
BENEFICIAL USES DREDGED MATERIAL (SECTION 204)	---	10,000 *
HAMPTON ROADS BENEFICIAL USE, VA	---	(200)
EMERGENCY STREAMBANK AND SHORELINE PROTECTION (SECTION 14)	---	11,000
BIA ROUTE 2 NEAR ON THE TREE, SD	---	(100)
RING THUNDER ROAD, MELLETTE COUNTY, SD	---	(100)
FLOOD CONTROL PROJECTS (SECTION 205)	1,000	18,285
CITY OF SPRINGFIELD, 42ND STREET LEVEE, OR	---	(460)
GRAND RAPIDS RIVERFRONT, MI	---	(100)
JEFFERSON CHALMERS, MI	---	(300)
SILVER CREEK, BRISTOL, RI	---	(50)
MITIGATION OF SHORE DAMAGES (SECTION 111)	---	1,000
NAVIGATION PROGRAM (SECTION 107)	---	6,000
PROJECT MODIFICATIONS FOR IMPROVEMENT OF THE ENVIRONMENT (SECTION 1135)	1,500	10,500
REMOVAL OF OBSTRUCTIONS (SECTION 208)	---	1,000
SHORE PROTECTION (SECTION 103)	---	1,500
GROSSE POINTE SHORELINE, MI	---	(100)
LAKESHORE DRIVE SEAWALL RESTORATION, MI	---	(100)
NORTH BEACH BOARDWALK EROSION CONTROL & SHORELINE RESILIENCY, VA	---	(50)
DAM SAFETY AND SEEPAGE/STABILITY CORRECTION PROGRAM	20,000	38,100 *
EMPLOYEES' COMPENSATION	12,000	12,000
INLAND WATERWAYS USERS BOARD - BOARD EXPENSE	---	60
INLAND WATERWAYS USERS BOARD - CORPS EXPENSE	---	275
RESTORATION OF ABANDONED MINES	---	3,000
TRIBAL PARTNERSHIP PROGRAM	---	9,000
INNOVATIVE FUNDING PARTNERSHIPS	50,000	---
 SUBTOTAL, REMAINING ITEMS	 85,500	 176,893
 TOTAL, CONSTRUCTION	 1,221,288	 1,808,800

*Includes funds requested in other accounts.

Updated Capabilities.—The agreement adjusts some project-specific allocations downward based on updated technical information from the Corps.

Additional Funding.—The agreement includes additional funds for projects and activities to enhance the nation's economic development, job growth, and international competitiveness.

Public Law 117–43 and Public Law 117–58 included funding within the Flood Control and Coastal Emergencies account to restore authorized shore protection projects to full project profile. That funding is expected to address some of the current year capability. The Corps is reminded that if additional work can be done, these projects are also eligible to compete for additional funding for flood and storm damage reduction.

The Corps is reminded that projects in the non-contiguous states and U.S. territories such as Hawaii are eligible for funding in this account.

When allocating the additional funding provided in this account, the Corps is encouraged to evaluate authorized reimbursements in the same manner as if the projects were being evaluated for new or ongoing construction. The Corps shall not condition these funds, or any funds appropriated in this Act, on a non-federal interest paying more than its required share in any phase of a project. When allocating the additional funding provided in this account, the Corps shall consider giving priority to the following:

- benefits of the funded work to the national economy;
- extent to which the work will enhance national, regional, or local economic development;
- number of jobs created directly and supported in the supply chain by the funded activity;
- significance to national security, including the strategic significance of commodities;
- ability to obligate the funds allocated within the calendar year, including consideration of the ability of the non-federal sponsor to provide any required cost share;
- ability to complete the project, separable element, or project phase with the funds allocated;
- legal requirements, including responsibilities to tribes;
- effect on alleviating water supply issues in areas that have been afflicted by severe droughts in the past four fiscal years, including projects focused on the treatment of brackish water;
- for flood and storm damage reduction projects (including authorized nonstructural measures and periodic beach renourishments):
 - population, safety of life, economic activity, or public infrastructure at risk, as appropriate;
 - the severity of risk of flooding or the frequency with which an area has experienced flooding; and
 - preservation of historically significant communities, culture, and heritage;
- for shore protection projects, projects in areas that have suffered severe beach erosion requiring additional sand placement outside of the normal beach renourishment cycle or in which the normal beach renourishment cycle has been delayed, and projects in areas where there is risk to life and public health and safety and risk of environmental contamination;

- for mitigation projects, projects with the purpose to address the safety concerns of coastal communities impacted by federal flood control, navigation, and defense projects;
- for navigation projects, the number of jobs or level of economic activity to be supported by completion of the project, separable element, or project phase;
- for projects cost shared with the IWTF, the economic impact on the local, regional, and national economy if the project is not funded, as well as discrete segments of work that can be completed within the funding provided in this line item;
- for other authorized project purposes and environmental restoration or compliance projects, to include the beneficial use of dredged material; and
- for environmental infrastructure, projects with the greater economic impact, projects in rural communities, projects in communities with significant shoreline and instances of runoff, projects in or that benefit counties or parishes with high poverty rates, projects owed past reimbursements, projects in financially-distressed municipalities, projects that improve stormwater capture capabilities, projects that provide backup raw water supply in the event of an emergency, and projects that will provide substantial benefits to water quality improvements.

Alternative Delivery.—The agreement supports alternative delivery approaches such as P3s and split delivery methods that leverage public and private resources to reduce cost and risk to populations by delivering infrastructure sooner. The use of P3s and split delivery methods can be a viable strategy to help address the Corps' backlog of projects while reducing scheduling and funding risk to the federal government. The Corps is reminded that projects which use these methods are eligible to compete for additional funding recommended in this account.

Aquatic Plant Control Program.—Of the additional funding provided for the Aquatic Plant Control Program, \$16,000,000 shall be for watercraft inspection stations and rapid response, as authorized in section 104 of the River and Harbor Act of 1958 (Public Law 85–500), distributed to carry out subsections (d)(1)(A)(i), (d)(1)(A)(ii), (d)(1)(A)(iii), and (d)(1)(A)(iv), and \$3,000,000 shall be for related monitoring as authorized by section 1170 of AWIA. The agreement provides \$2,000,000 for activities for monitoring, surveys, and control of flowering rush and hydrilla. Additionally, \$7,000,000 shall be for nationwide research and development to address invasive aquatic plants, and the Corps is encouraged to consider work to address invasive aquatic plants in the Northern Everglades region. The Corps is encouraged to consider work to address and prevent the threat of hydrilla infestation within the states of Florida and Georgia. The agreement also provides \$500,000 to continue activities authorized under section 509 of WRDA of 2020, and the Corps is directed to provide to the Committees prior to the obligation of any funds for this purpose a briefing on how it will implement this program.

Aquatic Plant Control Program, Connecticut River Basin.—Additional funding of \$6,000,000 is provided for hydrilla control, research, and demonstration work in the Connecticut River basin. The Corps is encouraged to consider the benefits of establishing a rapid response task force to cover the multistate watershed.

Aquatic Plant Control Program, Mississippi River Basin.—The Corps is engaged in a multipronged effort to combat invasive species in the country's waterways and protect the Mississippi River Basin, which is one of the most valued ecosystems in the world. The agreement provides \$500,000 for the Corps, in partnership with other federal partners, to continue planning, designing, initial engineering and project management activities for construction of carp barriers in the Mississippi River Basin and the Tennessee-Tombigbee waterway.

Beneficial Use of Dredged Material Pilot Program.—The agreement provides \$4,173,000 to continue the pilot projects to demonstrate the economic benefits and impacts of environmentally sustainable maintenance dredging methods that provide for ecosystem restoration and resilient protective measures. Cost sharing for these projects shall be in accordance with subsection (e) of section 1122 of the WIIN Act. The Corps is further directed to brief the Committees prior to any effort to solicit or select any additional pilot projects as authorized by AWIA.

Bird Drive Basin Conveyance, Seepage Collection, and Recharge.—The Corps is encouraged to work with the Department of the Interior and the South Florida Water Management District to quickly identify a consensus project footprint between SW 8th Street and the C-1W Canal to the south, immediately east of Krome Avenue. This work is intended to enable Miami-Dade County and the Miami-Dade Expressway Authority to begin necessary land acquisitions in support of the creation of a West Kendall Everglades Buffer and progress toward completing this important element of the Comprehensive Everglades Restoration Plan (CERP).

Biscayne Bay Coastal Wetlands Project.—The Corps is encouraged to consider the incorporation of highly treated, reclaimed wastewater as an additional source of freshwater into further study, design, and construction of the project and to evaluate the potential to use additional volumes of reclaimed wastewater to restore freshwater artesian springs within the Bay through underground injection to the shallow, underlying aquifer.

Central Everglades Planning Project.—The Corps is strongly encouraged to expedite the required validation reports for PPA North. The Corps is also encouraged to design and construct the recently-authorized Everglades Agricultural Area Storage Reservoir as quickly as possible to utilize the expanded water delivery capabilities of completed PPA South elements.

Central and South Florida Project.—The Corps is urged to maintain continued attention to the need of the South Florida economy and environment for a functioning flood control system.

CERP-Indian River Lagoon-South.—The Corps is urged to expedite design work on the C-23 and C-24 Reservoirs that will serve as crucial elements of the Indian River Lagoon-South CERP project.

Charleston Harbor.—The funding provided is for reimbursement of the advanced funds provided by the non-federal sponsor to cover the federal share of the cost of the National Economic Development plan. The non-federal sponsor may be eligible for additional reimbursement in the future.

Chesapeake Bay Comprehensive Water Resources and Restoration Plan.—The Corps is reminded that the Chesapeake Bay Environmental Restoration and Protection Program and the Chesapeake Bay

Oyster Recovery Program are eligible to compete for the additional funding provided in this account, and the Corps is encouraged to provide appropriate funding in future budget requests.

Chicago Sanitary and Ship Canal Dispersal Barrier, Illinois.—No funds recommended in this Act may be used for construction of hydrologic separation measures.

Columbia River Treaty.—The Corps is directed to brief, in a classified setting and in coordination with the Department of State, not later than 60 days after enactment of this Act on post-fiscal year 2023 flood control operations as dictated by the Columbia River Treaty. Further, not later than 90 days after enactment of this Act the Corps shall provide a classified detailed assessment, in coordination with Department of State, of its funding requirements and plan for post-fiscal year 2023 flood control operations as dictated by the Columbia River Treaty.

Construction Funding Schedules.—A complete and reliable cost estimate with an out-year funding schedule is essential to understanding current funding and future funding requirements within the Corps' construction portfolio. A comprehensive outlook of these dynamic requirements is necessary for Congress to consider and balance funding allocations annually, and to assess the long-term effects of new investment decisions. Therefore, not later than 90 days after enactment of this Act and annually thereafter, the Chief of Engineers shall submit directly to the Committees, a breakdown, by fiscal year, of the full and efficient federal funding needs for each ongoing construction project in the Corps' Civil Works program. For each project identified, the Corps shall also provide the total project cost with a breakdown between the federal and non-federal costs, and any applicable authorization ceiling. For the purposes of this report, an active project shall mean any project which has received construction account appropriations, including those funded in a supplemental, and has remaining costs to be funded from the Construction account. These funding requirements shall be based on technical construction sequencing, and realistic workflow and shall not be altered to reflect administrative policies and priorities or any assumed limitation on funding available.

Continuing Authorities Program (CAP).—Funding is provided for nine CAP sections at a total of \$72,285,000. The management of CAP should continue consistent with direction provided in previous fiscal years. The Corps shall allow for the advancement of flood control projects in combination with ecological benefits using natural and nature-based solutions alone, or in combination with, built infrastructure where appropriate for reliable risk reduction during the development of projects under section 205 of CAP. Within the section 1135 CAP authority, and to the extent already authorized by law, the Corps is reminded that projects that restore degraded wetland habitat and stream habitat impacted by construction of Corps levees or channels, including those with executed Feasibility Cost Share Agreements, and projects that will divert significant pollutant nutrient runoff from entering wetland habitats, are eligible to compete for funding.

Environmental Infrastructure.—The Corps is reminded that environmental infrastructure authorities include caps on federal participation, but do not provide a guarantee that the project authorization level will be met.

Everglades Agricultural Area.—The agreement reiterates House direction.

Friendswood, TX.—The agreement reiterates House direction.

Implementation of Projects Receiving Supplemental Funds.—The Committees continue to have significant concerns with the Administration's implementation of funding provided via supplemental appropriations Acts. As stated in the fiscal year 2022 Act, the Committees are troubled by the continued challenges with execution, cost overruns, and significant delays in completing projects funded under the Bipartisan Budget Act of 2018 (Public Law 115–123). As the BBA 2018 program progresses, it is possible that projects will not be completed within previously available supplemental funds. The Committees do not intend for those projects to be delayed. The Corps is directed to provide to the Committees not later than 90 days after enactment of this Act an out-year plan for completion of all BBA 2018 projects by identifying funding shortfalls by project and fiscal year.

In addition, the Administration, without notice or explanation to Congress, changed its interpretation of bill language that had not changed from previous supplemental appropriations Acts when allocating funding under the Disaster Relief Supplemental Appropriations Act of 2022 (DRSAA) (Public Law 117–43). Specifically, it has ignored congressional intent and its own previous interpretation that construction projects be funded to completion using supplemental funds and that ongoing construction projects be completed at full federal expense. By allocating only incremental funding for some ongoing construction projects, the Administration's decision means that the non-federal sponsors remain responsible for significant costs. The lack of forethought and consideration for the impact to non-federal sponsors that likely do not have funding available to cost-share these lifesaving projects according to the normal rules is unreasonable and contrary to congressional intent apparent in the expressed provisions of DRSAA.

Not later than 30 days after enactment of this Act, the Administration shall provide to the Committees a briefing on the legal and policy justification for the changed interpretation of law, plans for completing all construction projects funded under DRSAA, and options for addressing cost share issues that have arisen as a result of the Administration's decision. Further, the Corps shall brief the Committees quarterly on the status of all supplemental programs and the plan for completion of related projects.

Kentucky Lock and Dam, Kentucky.—There is concern about major delays on construction projects, particularly the Kentucky Lock and Dam, which was provided funding by Public Law 117-58 that the Administration states will physically complete and fiscally close out the project. The Corps is strongly urged to expedite construction.

Lake Isabella, California.—The Corps is directed to work with the U.S. Forest Service (USFS) to expeditiously finalize the site location for the USFS visitor center and to undertake all requirements to evaluate, update, and finalize any necessary statutorily-required review and compliance activities with the goal of commencing construction by December 31, 2023, or at the earliest possible date.

McClellan-Kerr Arkansas River Navigation System (MKARNS).—MKARNS is recognized as an established Marine Highway for waterborne commerce to include agriculture and aggregate commodities (sand, gravel, and rock) from the Gulf Coast to the Mid-West. Deepening the MKARNS to a consistent 12-

foot navigation channel will provide tow drafts that are more compatible with navigation on the Mississippi River, which will reduce inefficient barge operations and transportation costs. The Corps is urged to prioritize this project in fiscal year 2023 to accelerate construction. The Corps is also encouraged to provide funds for nonstructural activities, such as channel deepening, with low annual funding needs in years where appropriated funds for IWTF cost shared projects are sufficient to accommodate such projects without impacting ongoing construction projects. Lastly, the Corps is encouraged to prioritize inland waterways projects consistent with the update to the Capital Investment Strategy, pursuant to section 2002(d) of WRRDA of 2014.

New Savannah Bluff Lock and Dam, Georgia and South Carolina.—The Corps is encouraged to work with all stakeholders toward a mutually beneficial resolution that will ensure waters levels for existing activities and functions are maintained, as detailed in section 1319 of the WIIN Act.

Non-Federal Implementation Pilot Program.—Due to ongoing concerns initially expressed in the fiscal year 2020 Senate Report, the Corps shall notify the Committees upon receiving any proposal from a non-federal interest requesting to utilize the section 1043(b) of WRRDA of 2014 authority. The Corps shall not negotiate or enter into a project partnership agreement to transfer funds to a non-federal interest utilizing this authority unless approval is received from the Committees. None of the funds recommended in this Act shall be used under this authority for a project where construction has been started but not completed.

Port of Brownsville Deepening Project, Texas.—The Corps is encouraged to include appropriate funding for this project in future budget submissions.

Raritan River Basin, Green Brook Sub-Basin, New Jersey.—The Corps is encouraged to expeditiously move forward with construction of the Lower Basin and Stony Brook portions of the project.

Restoration of Abandoned Mine Sites, Tribal Partnerships.—Additional funding is recommended to provide technical, planning, and design assistance to federal and non-federal interests carrying out projects to address water quality problems caused by drainage and related activities from abandoned and inactive noncoal mines under section 560 of WRDA of 1999 (Public Law 106-53). Additionally, the Corps is directed to develop an action plan to proactively engage with tribal communities in the western United States and brief the Committees no later than 90 days after enactment of this Act on such plan.

Riverbank Erosion.—The Corps is encouraged to prioritize projects to stabilize the Indiana shoreline of the Ohio River damaged by the operation of federally-owned dams on the Ohio River as authorized in section 9 of the Flood Control Act of 1946 (33 USC 701q).

Soo Locks, Sault Ste. Marie, Michigan.—The Corps is strongly encouraged to move forward expeditiously to complete this critical project and to include appropriate funding for these activities in future budget submissions.

South Florida Ecosystem Restoration (SFER), Florida.—As in previous years, the agreement provides funding for all study and construction authorities related to Everglades restoration under the line item titled “South Florida Ecosystem Restoration, Florida.” This single line item allows the Corps

flexibility in implementing the numerous activities underway in any given fiscal year. For fiscal year 2023, the Corps is directed to make publicly available a comprehensive snapshot of all SFER cost share accounting down to the project level and to ensure the accuracy of all budget justification sheets that inform SFER Integrated Financial Plan documents by October 31, 2023.

Tulsa and West-Tulsa Levee System (TWTLs).—The Corps is encouraged to expeditiously complete construction since the TWTLs protected area is home to a substantial population of elderly and low income residents, and was classified by the Corps as a high risk of failure and life loss in 2019.

Unified Facilities Guide Specifications.—The Corps is encouraged to continue to work with the Air Force and Navy to update the criteria included in the Unified Facilities Guide Specifications as appropriate. The Corps is encouraged to consider using lower carbon building materials, including cements such as portland-limestone cement, in order to reduce the environmental footprint of infrastructure projects.

Upper Mississippi River Restoration Program (UMRR), Quincy Bay.—The Corps is encouraged to prioritize the environmental restoration project in Quincy Bay near Quincy, Illinois as a Tier 1 project for immediate commencement through the UMRR Program.

MISSISSIPPI RIVER AND TRIBUTARIES

The agreement includes \$370,000,000 for Mississippi River and Tributaries.

The allocation for projects and activities within the Mississippi River and Tributaries account is shown in the following table:

~~[INSERT TABLE]~~

insert 21a-b

CORPS OF ENGINEERS - MISSISSIPPI RIVER AND TRIBUTARIES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
INVESTIGATIONS		
LAFITTE AREA FLOOD RISK MANAGEMENT, LA	500	500
LOWER MISSISSIPPI RIVER COMPREHENSIVE MANAGEMENT STUDY	1,000	1,000
WAPPAPELLO LAKE, MO	1,000	--- ^
YAZOO BASIN, ARKABUTLA LAKE, MS	500	--- ^
RUNNING REELFOOT BAYOU, TN	600	600
CONSTRUCTION		
BAYOU METO BASIN, AR	---	14,000
GRAND PRAIRIE REGION, AR	---	12,000
CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO & TN	42,600	42,600
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN	22,340	22,340
ATCHAFALAYA BASIN, LA	1,700	1,700
MORGANZA TO THE GULF, LA	---	31,000
YAZOO BASIN, DELTA HEADWATERS PROJECT, MS	---	7,400
YAZOO BASIN, UPPER YAZOO, MS	---	25,000
YAZOO BASIN, YAZOO BACKWATER AREA, MS	---	4,500
OPERATION & MAINTENANCE		
CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO & TN	23,852	23,852
HELENA HARBOR, PHILLIPS COUNTY, AR	---	540 *
INSPECTION OF COMPLETED WORKS, AR	---	222 ~
LOWER ARKANSAS RIVER, NORTH BANK, AR	239	239
LOWER ARKANSAS RIVER, SOUTH BANK, AR	205	205
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN	8,776	8,776
ST. FRANCIS BASIN, AR & MO	7,350	7,350
TENSAS BASIN, BOEUF AND TENSAS RIVER, AR & LA	1,494	1,494
WHITE RIVER BACKWATER, AR	1,569	1,569
INSPECTION OF COMPLETED WORKS, IL	---	31 ~
INSPECTION OF COMPLETED WORKS, KY	---	26 ~
ATCHAFALAYA BASIN, LA	14,783	14,783
ATCHAFLAYA BASIN FLOODWAY SYSTEM, LA	1,580	1,580
BATON ROUGE HARBOR, DEVILS SWAMP, LA	---	563 *
BAYOU COCODRIE AND TRIBUTARIES, LA	50	50
BONNET CARRE, LA	3,658	3,658
INSPECTION OF COMPLETED WORKS, LA	---	592 ~
LOWER RED RIVER, SOUTH BANK LEVEES, LA	499	499
MISSISSIPPI DELTA REGION, LA	715	715
OLD RIVER, LA	46,204	46,204
TENSAS BASIN, RED RIVER BACKWATER, LA	2,654	2,654
GREENVILLE HARBOR, MS	---	932 *
INSPECTION OF COMPLETED WORKS, MS	---	94 ~
VICKSBURG HARBOR, MS	---	942 *
YAZOO BASIN, ARKABUTLA LAKE, MS	5,758	5,758
YAZOO BASIN, BIG SUNFLOWER RIVER, MS	230	230

CORPS OF ENGINEERS - MISSISSIPPI RIVER AND TRIBUTARIES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
YAZOO BASIN, ENID LAKE, MS	5,669	5,669
YAZOO BASIN, GREENWOOD, MS	1,587	1,587
YAZOO BASIN, GRENADA LAKE, MS	5,709	15,709
YAZOO BASIN, MAIN STEM, MS	873	873
YAZOO BASIN, SARDIS LAKE, MS	6,697	6,697
YAZOO BASIN, TRIBUTARIES, MS	582	582
YAZOO BASIN, WILL M. WHITTINGTON AUXILIARY CHANNEL, MS	295	295
YAZOO BASIN, YAZOO BACKWATER AREA, MS	713	713
YAZOO BASIN, YAZOO CITY, MS	386	386
INSPECTION OF COMPLETED WORKS, MO	---	258 ~
WAPPAPELLO LAKE, MO	4,993	4,993
INSPECTION OF COMPLETED WORKS, TN	---	26 ~
MEMPHIS HARBOR, MCKELLAR LAKE, MEMPHIS, TN	---	2,338 *
 SUBTOTAL, PROJECTS LISTED UNDER STATES	 217,360	 326,324
 REMAINING ITEMS		
 ADDITIONAL FUNDING		
DREDGING	---	10,075
FLOOD CONTROL	---	17,300
OTHER AUTHORIZED PROJECT PURPOSES	---	10,000
COLLECTION AND STUDY OF BASIC DATA (INVESTIGATIONS)	6,150	6,150
MAPPING, AR, IL, KY, LA, MS, MO & TN (OPERATION)	151	151
MISSISSIPPI RIVER COMMISSION	90	---
INSPECTION OF COMPLETED WORKS (OPERATION)	1,249	---
 SUBTOTAL, REMAINING ITEMS	 7,640	 43,676
 TOTAL, MISSISSIPPI RIVER AND TRIBUTARIES	 225,000	 370,000

^Funded in a remaining item in another account.

*Includes funds requested in other accounts.

~Includes funds requested in remaining items.

Updated Capabilities. ---The agreement adjusts some project-specific allocations downward based on updated technical information from the Corps.

Additional Funding.—When allocating the additional funding provided in this account, the Corps shall consider giving priority to completing or accelerating ongoing work that will enhance the nation's economic development, job growth, and international competitiveness or for studies or projects located in areas that have suffered recent natural disasters. While this funding is shown under remaining items, the Corps shall use these funds in Investigations, Construction, and Operation and Maintenance, as applicable. This may include work on remaining unconstructed features of projects permitted and authorized by law, in response to recent flood disasters.

When allocating additional funds provided in this account, the Corps is directed to give adequate consideration to cooperative projects addressing watershed erosion, sedimentation, flooding, and environmental degradation. Also, the importance of erosion control in headwater streams and tributaries, and the environmental, water quality, and sediment reduction benefits it provides downstream is recognized.

Comprehensive Management Studies.—Comprehensive management studies that are fully within the boundaries of this account are authorized under the requirements, including cost share, of the Mississippi River and Tributaries project.

Lower Mississippi River Main Stem. ---The budget request proposes to consolidate several activities across multiple states into one line item. The agreement does not support this change and instead continues to fund these activities as separate line items.

Mississippi River Commission.—No funding is provided for this new line item. The Corps is directed to continue funding the costs of the commission from within the funds provided for activities within the Mississippi River and Tributaries project.

Yazoo Basin, Yazoo Backwater Area, Mississippi.—Funding is provided for mitigation of previously constructed features.

OPERATION AND MAINTENANCE

The agreement includes \$5,078,500,000 for Operation and Maintenance.

The allocation for projects and activities within the Operation and Maintenance account is shown in the following table:

~~[INSERT TABLE]~~

insert 23a-w

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
ALABAMA		
ALABAMA RIVER LAKES, AL	23,248	29,948
BAYOU LA BATRE, AL	---	2,148 *
BLACK WARRIOR & TOMBIGBEE RIVERS (BWT), AL	63,945	71,195
DAUPHIN ISLAND BAY, AL	---	7,000
GULF INTRACOASTAL WATERWAY (GIWW), AL	6,410	6,410
INSPECTION OF COMPLETED WORKS, AL	---	140 ~
MOBILE HARBOR, AL	---	44,081 *
PROJECT CONDITION SURVEYS, AL	---	155 *
SCHEDULING RESERVOIR OPERATIONS, AL	---	100 ~
TENNESSEE - TOMBIGBEE WATERWAY - WILDLIFE MITIGATION, AL & MS	1,800	1,800
TENNESSEE - TOMBIGBEE WATERWAY (TTWW), AL & MS	29,301	29,301
WALTER F. GEORGE LOCK AND DAM, AL & GA	8,890	11,140
WATER/ENVIRONMENTAL CERTIFICATION, AL	---	30 *
ALASKA		
ANCHORAGE HARBOR, AK	---	11,968 *
CHENA RIVER LAKES FLOOD CONTROL PROJECT, NORTH POLE, AK	6,152	6,152
DILLINGHAM HARBOR, AK	---	1,006 *
HOMER HARBOR, AK	---	683 *
INSPECTION OF COMPLETED WORKS, AK	---	220 ~
NINILCHIK HARBOR, AK	---	494 *
NOME HARBOR, AK	---	2,418 *
PROJECT CONDITION SURVEYS, AK	---	750 *
ARIZONA		
ALAMO LAKE, AZ	6,417	6,417
INSPECTION OF COMPLETED WORKS, AZ	---	58 ~
PAINTED ROCK DAM, AZ	1,050	1,050
SCHEDULING RESERVOIR OPERATIONS, AZ	---	150 ~
WHITLOW RANCH DAM, AZ	675	675
ARKANSAS		
BEAVER LAKE, AR	9,937	9,937
BLAKELY MOUNTAIN DAM, LAKE OUACHITA, AR	8,028	8,028
BLUE MOUNTAIN LAKE, AR	3,103	3,103
BULL SHOALS LAKE, AR	9,796	9,796
DEGRAY LAKE, AR	6,445	6,445
DEQUEEN LAKE, AR	2,000	2,000
DIERKS LAKE, AR	1,521	1,521
GILLHAM LAKE, AR	1,422	1,422
GREERS FERRY LAKE, AR	10,498	10,498
HELENA HARBOR, AR	---	540 *
INSPECTION OF COMPLETED WORKS, AR	---	1,251 ~

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, AR	88,909	88,909
MILLWOOD LAKE, AR	2,743	2,743
NARROWS DAM, LAKE GREESON, AR	5,500	5,500
NIMROD LAKE, AR	3,249	3,249
NORFORK LAKE, AR	10,886	10,886
OSCEOLA HARBOR, AR	---	615 *
OUACHITA AND BLACK RIVERS, AR & LA	10,017	10,017
PROJECT CONDITION SURVEYS, AR	---	5 *
WHITE RIVER, AR	325	325
YELLOW BEND PORT, AR	---	125 *

CALIFORNIA

BLACK BUTTE LAKE, CA	5,250	5,250
BUCHANAN DAM - H.V. EASTMAN LAKE, CA	2,503	2,503
CHANNEL ISLANDS HARBOR, CA	---	5,500 *
COYOTE VALLEY DAM, LAKE MENDOCINO, CA	6,054	6,054
DRY CREEK (WARM SPRINGS) LAKE AND CHANNEL, CA	8,369	8,369
FARMINGTON DAM, CA	575	575
FISHERMAN'S WHARF AREA, CA	---	20 *
HIDDEN DAM - HENSLEY LAKE, CA	2,472	2,472
HUMBOLDT HARBOR AND BAY, CA	---	8,767 *
INSPECTION OF COMPLETED WORKS, CA	---	3,227 ~
ISABELLA LAKE, CA	2,126	2,126
LOS ANGELES COUNTY DRAINAGE AREA, CA	26,146	26,146
MARINA DEL REY, CA	---	6,910 *
MERCED COUNTY STREAMS, CA	1,267	1,267
MOJAVE RIVER DAM, CA	943	943
MORRO BAY HARBOR, CA	---	3,840 *
NEW HOGAN LAKE, CA	5,303	5,303
NEW MELONES LAKE (DOWNSTREAM CHANNEL), CA	2,825	2,825
NOYO RIVER AND HARBOR, CA	---	4,450 *
OAKLAND HARBOR, CA	---	13,898 *
OCEANSIDE HARBOR, CA	---	1,790 *
PINE FLAT LAKE, CA	10,600	10,600
PROJECT CONDITION SURVEYS, CA	---	515 *
REDWOOD CITY HARBOR, CA	---	5,828 *
RICHMOND HARBOR, CA	---	6,036 *
SACRAMENTO RIVER (30 FOOT CHANNEL), CA	---	6,309 *
SACRAMENTO RIVER AND TRIBUTARIES (DEBRIS CONTROL), CA	840	12,670 *
SACRAMENTO RIVER (SHALLOW DRAFT CHANNEL), CA	---	220 *
SAN FRANCISCO BAY DELTA MODEL STRUCTURE, CA	20	20
SAN FRANCISCO BAY LONG TERM MANAGEMENT STRATEGY (LTMS), CA	---	472 *
SAN FRANCISCO HARBOR AND BAY (DRIFT REMOVAL), CA	---	3,839 *
SAN FRANCISCO HARBOR, CA	---	5,702 *
SAN JOAQUIN RIVER (PORT OF STOCKTON), CA	---	5,241 *
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	---	1,545 *
SAN RAFAEL CREEK, CA	---	7,175 *

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
SANTA ANA RIVER BASIN, CA	7,327	7,327
SANTA BARBARA HARBOR, CA	---	3,040 *
SANTA CRUZ HARBOR, CA	---	540 *
SCHEDULING RESERVOIR OPERATIONS, CA	---	1,721 ~
SUCCESS LAKE, CA	3,468	3,468
SUISUN BAY CHANNEL, CA	---	6,293 *
TERMINUS DAM (LAKE KAWEAH), CA	3,728	3,728
VENTURA HARBOR, CA	---	4,820 *
YUBA RIVER, CA	155	2,350 *

COLORADO

BEAR CREEK LAKE, CO	633	608
CHATFIELD LAKE, CO	1,820	1,820
CHERRY CREEK LAKE, CO	1,126	1,126
INSPECTION OF COMPLETED WORKS, CO	---	396 ~
JOHN MARTIN RESERVOIR, CO	9,604	9,604
SCHEDULING RESERVOIR OPERATIONS, CO	---	550 ~
TRINIDAD LAKE, CO	4,082	4,082

CONNECTICUT

BLACK ROCK LAKE, CT	992	992
BRANFORD HARBOR, CT	---	380
COLEBROOK RIVER LAKE, CT	959	959
GUILFORD HARBOR, GUILFORD, CT	---	500
HANCOCK BROOK LAKE, CT	757	757
HOP BROOK LAKE, CT	1,773	1,773
INSPECTION OF COMPLETED WORKS, CT	---	550 ~
MANSFIELD HOLLOW LAKE, CT	1,876	1,876
NEW HAVEN HARBOR, CT	---	13,875 *
NORTHFIELD BROOK LAKE, CT	809	809
PROJECT CONDITION SURVEYS, CT	---	1,133 *
STAMFORD HURRICANE BARRIER, CT	639	639
STONY CREEK, CT	---	600
THOMASTON DAM, CT	1,054	1,054
WEST THOMPSON LAKE, CT	1,189	1,189

DELAWARE

CEDAR CREEK, DE	---	1,110
INDIAN RIVER INLET & BAY, DE	---	281 *
INSPECTION OF COMPLETED WORKS, DE	---	71 ~
INTRACOASTAL WATERWAY, DELAWARE RIVER TO CHESAPEAKE BAY, DE & MD	---	22,327 *
INTRACOASTAL WATERWAY, REHOBOTH BAY TO DELAWARE BAY, DE	---	7,550 *
PROJECT CONDITION SURVEYS, DE	---	225 *

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL	
WILMINGTON HARBOR, DE	---	10,537	*
DISTRICT OF COLUMBIA			
INSPECTION OF COMPLETED WORKS, DC	---	83	~
POTOMAC AND ANACOSTIA RIVERS, DC & MD (DRIFT REMOVAL)	---	1,450	*
PROJECT CONDITION SURVEYS, DC	---	30	*
WASHINGTON HARBOR, DC	---	30	*
FLORIDA			
CANAVERAL HARBOR, FL	---	11,745	*
CENTRAL & SOUTHERN FLORIDA (C&SF), FL	15,696	17,388	*
INSPECTION OF COMPLETED WORKS, FL	---	1,033	~
INTRACOASTAL WATERWAY (IWW) - CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FL	---	1,660	*
INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL	4,230	6,230	
JACKSONVILLE HARBOR, FL	---	10,741	*
JIM WOODRUFF LOCK AND DAM, FL, AL and GA	7,681	7,931	
LAKE SEMINOLE	---	(250)	
MANATEE HARBOR, FL	---	4,490	*
MIAMI HARBOR, FL	---	50	*
OKEECHOBEE WATERWAY (OWW), FL	1,403	7,456	*
PALM BEACH HARBOR, FL	---	3,959	*
PANAMA CITY HARBOR, FL	---	1,164	*
PENSACOLA HARBOR, FL	---	1,705	*
PONCE DE LEON INLET, FL	---	2,300	*
PORT EVERGLADES HARBOR, FL	---	239	*
PROJECT CONDITION SURVEYS, FL	---	1,285	*
REMOVAL OF AQUATIC GROWTH, FL	---	3,532	*
SCHEDULING RESERVOIR OPERATIONS, FL	---	100	~
SOUTH FLORIDA ECOSYSTEM RESTORATION, FL	10,665	10,665	
ST. LUCIE INLET, FL	---	5,750	*
TAMPA HARBOR, FL	---	11,754	*
WATER/ENVIRONMENTAL CERTIFICATION, FL	---	180	*
GEORGIA			
ALLATOONA LAKE, GA	8,717	8,717	
APALACHICOLA, CHATTAHOOCHEE AND FLINT (ACF) RIVERS, GA, AL and FL	1,495	1,851	
GEORGE W. ANDREWS LAKE, AL	---	(356)	
ATLANTIC INTRACOASTAL WATERWAY (AIWW), GA	3,777	3,777	
BRUNSWICK HARBOR, GA	---	15,604	*
BUFORD DAM AND LAKE SIDNEY LANIER, GA	10,589	10,589	
CARTERS DAM AND LAKE, GA	7,854	7,854	
HARTWELL LAKE, GA & SC	12,249	12,249	
INSPECTION OF COMPLETED WORKS, GA	---	202	~
J. STROM THURMOND (JST) DAM AND LAKE, GA & SC	11,626	11,626	

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL	
PROJECT CONDITION SURVEYS, GA	---	77	*
RICHARD B. RUSSELL (RBR) DAM AND LAKE, GA & SC	9,618	9,618	
SAVANNAH HARBOR, GA	---	39,861	*
SAVANNAH RIVER BELOW AUGUSTA, GA	---	228	*
WEST POINT DAM AND LAKE, GA & AL	8,672	8,672	
GUAM			
AGAT SMALL BOAT HARBOR, GU	---	3,640	*
HAWAII			
BARBERS POINT DEEP DRAFT HARBOR, OAHU, HI	282	282	
INSPECTION OF COMPLETED WORKS, HI	---	750	~
MANELE SMALL BOAT HARBOR, HI	---	542	
PROJECT CONDITION SURVEYS, HI	---	125	*
IDAHO			
ALBENI FALLS DAM, ID	803	803	
DWORSHAK DAM AND RESERVOIR, ID	2,502	2,502	
INSPECTION OF COMPLETED WORKS, ID	---	707	~
LUCKY PEAK DAM AND LAKE, ID	3,327	3,327	
SCHEDULING RESERVOIR OPERATIONS, ID	---	772	~
ILLINOIS			
CALUMET HARBOR AND RIVER, IL & IN	---	6,419	*
CARLYLE LAKE, IL	6,308	6,308	
CHICAGO HARBOR, IL	---	5,004	*
CHICAGO RIVER, IL	653	653	
CHICAGO SANITARY AND SHIP CANAL DISPERSAL BARRIERS, IL	14,329	14,329	
FARM CREEK RESERVOIRS, IL	709	709	
ILLINOIS WATERWAY (MVR PORTION), IL & IN	63,114	63,114	
ILLINOIS WATERWAY (MVS PORTION), IL & IN	2,342	2,342	
INSPECTION OF COMPLETED WORKS, IL	---	2,108	~
KASKASKIA RIVER NAVIGATION, IL	5,250	5,250	
LAKE MICHIGAN DIVERSION, IL	---	1,517	*
LAKE SHELBYVILLE, IL	6,543	6,543	
MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS (MVR PORTION), IL	61,435	61,435	*
MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS (MVS PORTION), IL	28,692	28,692	
PROJECT CONDITION SURVEYS, IL	---	112	*
REND LAKE, IL	5,405	5,405	
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, IL	---	195	*
WAUKEGAN HARBOR, IL	---	15	*

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
INDIANA		
BROOKVILLE LAKE, IN	2,746	2,746
BURNS WATERWAY HARBOR, IN	---	2,209 *
BURNS WATERWAY SMALL BOAT HARBOR, IN	---	922 *
CAGLES MILL LAKE, IN	1,437	1,437
CECIL M. HARDEN LAKE, IN	1,716	1,716
INDIANA HARBOR, IN	---	8,654 *
INSPECTION OF COMPLETED WORKS, IN	---	1,229 ~
J. EDWARD ROUSH LAKE, IN	2,369	2,369
MICHIGAN CITY HARBOR, IN	---	1,026 *
MISSISSINAWA LAKE, IN	1,759	1,759
MONROE LAKE, IN	1,776	1,776
PATOKA LAKE, IN	1,601	1,601
PROJECT CONDITION SURVEYS, IN	---	201 *
SALAMONIE LAKE, IN	6,527	6,527
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, IN	---	65 *
IOWA		
CORALVILLE LAKE, IA	5,244	5,244
DAVENPORT SMALL BOAT HARBOR, IA	---	750 *
INSPECTION OF COMPLETED WORKS, IA	---	1,517 ~
MISSOURI RIVER, SIOUX CITY TO THE MOUTH, IA, KS, MO & NE	16,250	16,250
PROJECT CONDITION SURVEYS, IA	---	2 *
RATHBUN LAKE, IA	2,677	2,677
RED ROCK DAM AND LAKE RED ROCK, IA	9,234	9,234
SAYLORVILLE LAKE, IA	12,306	12,306
KANSAS		
CLINTON LAKE, KS	3,146	3,146
COUNCIL GROVE LAKE, KS	1,896	1,896
EL DORADO LAKE, KS	1,107	1,107
ELK CITY LAKE, KS	1,848	1,848
FALL RIVER LAKE, KS	3,505	3,505
HILLSDALE LAKE, KS	4,840	4,840
INSPECTION OF COMPLETED WORKS, KS	---	1,032 ~
JOHN REDMOND DAM AND RESERVOIR, KS	2,011	2,011
KANOPOLIS LAKE, KS	1,974	1,974
MARION LAKE, KS	4,622	4,622
MELVERN LAKE, KS	2,950	2,950
MILFORD LAKE, KS	3,086	3,086
PEARSON-SKUBITZ BIG HILL LAKE, KS	1,805	1,805
PERRY LAKE, KS	3,184	3,184
POMONA LAKE, KS	4,085	4,085
SCHEDULING RESERVOIR OPERATIONS, KS	---	474 ~
TORONTO LAKE, KS	894	894

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
TUTTLE CREEK LAKE, KS	3,061	5,861
WILSON LAKE, KS	2,205	2,205
KENTUCKY		
BARKLEY DAM AND LAKE BARKLEY, KY & TN	21,452	13,652
BARREN RIVER LAKE, KY	3,081	3,081
BIG SANDY HARBOR, KY	---	2,037 *
BUCKHORN LAKE, KY	2,519	2,519
CARR CREEK LAKE, KY	2,520	2,520
CAVE RUN LAKE, KY	1,444	1,444
DEWEY LAKE, KY	2,589	2,589
ELVIS STAHR (HICKMAN) HARBOR, KY	---	935 *
FALLS OF THE OHIO NATIONAL WILDLIFE, KY & IN	101	101
FISHTRAP LAKE, KY	2,517	2,517
GRAYSON LAKE, KY	2,129	2,129
GREEN AND BARREN RIVERS, KY	2,826	2,826
GREEN RIVER LAKE, KY	3,228	3,228
INSPECTION OF COMPLETED WORKS, KY	---	1,163 ~
LAUREL RIVER LAKE, KY	2,741	2,741
MARTINS FORK LAKE, KY	1,533	1,533
MIDDLESBORO CUMBERLAND RIVER, KY	298	298
NOLIN LAKE, KY	3,311	3,311
OHIO RIVER LOCKS AND DAMS, KY, IL, IN & OH	54,036	54,036
OHIO RIVER OPEN CHANNEL WORK, KY, IL, IN & OH	10,844	10,844
PAINTSVILLE LAKE, KY	1,898	1,898
PROJECT CONDITION SURVEYS, KY	---	5 *
ROUGH RIVER LAKE, KY	4,588	4,588
TAYLORSVILLE LAKE, KY	1,671	1,671
WOLF CREEK DAM, LAKE CUMBERLAND, KY	12,329	12,329
YATESVILLE LAKE, KY	1,755	1,755
LOUISIANA		
ATCHAFALAYA RIVER AND BAYOUS CHENE, BOEUF and BLACK, LA	---	10,096 *
BARATARIA BAY WATERWAY, LA	---	105 *
BAYOU BODCAU DAM AND RESERVOIR, LA	1,825	1,825
BAYOU LAFOURCHE AND LAFOURCHE JUMP WATERWAY, LA	---	3,967 *
BAYOU PIERRE, LA	35	35
BAYOU SEGNETTE WATERWAY, LA	---	11 *
BAYOU TECHE AND VERMILION RIVER, LA	---	182 *
BAYOU TECHE, LA	---	202 *
CADDO LAKE, LA	337	337
CALCASIEU RIVER AND PASS, LA	---	28,161 *
FRESHWATER BAYOU, LA	---	19,424 *
GULF INTRACOASTAL WATERWAY, LA	17,286	17,286
HOUMA NAVIGATION CANAL, LA	---	3,667 *
INSPECTION OF COMPLETED WORKS, LA	---	1,297 ~

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
J. BENNETT JOHNSTON WATERWAY, LA	13,197	13,197
LAKE PROVIDENCE HARBOR, LA	---	1,407 *
MADISON PARISH PORT, LA	---	219 *
MERMENTAU RIVER, LA	---	2,499 *
MISSISSIPPI RIVER OUTLETS AT VENICE, LA	---	3,805 *
MISSISSIPPI RIVER, BATON ROUGE TO THE GULF OF MEXICO, LA	---	209,192 *
PROJECT CONDITION SURVEYS, LA	---	65 *
REMOVAL OF AQUATIC GROWTH, LA	---	200 *
TANGIPAHOA RIVER, LA	---	22 *
WALLACE LAKE, LA	2,085	2,085
WATERWAY FROM EMPIRE TO THE GULF, LA	---	61 *
WATERWAY FROM INTRACOASTAL WATERWAY TO BAYOU DULAC, LA	---	16 *
MAINE		
DISPOSAL AREA MONITORING, ME	---	1,050 *
GEORGE'S RIVER, ME	---	500
INSPECTION OF COMPLETED WORKS, ME	---	123 ~
PROJECT CONDITION SURVEYS, ME	---	1,133 *
SCARBOROUGH RIVER, ME	---	2,700
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, ME	---	4 *
ISLE AU HAUT THOROUGHFARE, ME	---	150
WELLS HARBOR, ME	---	1,000
MARYLAND		
BALTIMORE HARBOR AND CHANNELS (50 FOOT), MD	---	25,050 *
TANGIER ISLAND BENEFICIAL USE, VA	---	(300)
BALTIMORE HARBOR, MD (DRIFT REMOVAL)	---	945 *
CHESTER RIVER, MD	---	205 *
CLAIBORNE HARBOR, MD	---	5 *
CUMBERLAND, MD AND RIDGELEY, WV	227	227
HONGA RIVER AND TAR BAY, MD	---	3,220 *
INSPECTION OF COMPLETED WORKS, MD	---	217 ~
JENNINGS RANDOLPH LAKE, MD & WV	3,670	3,670
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD	---	515 *
PROJECT CONDITION SURVEYS, MD	---	630 *
ROCK HALL HARBOR, MD	---	2,170 *
SCHEDULING RESERVOIR OPERATIONS, MD	---	123 ~
SLAUGHTER CREEK, MD	---	5 *
WICOMICO RIVER, MD	---	4,525 *
MASSACHUSETTS		
BARRE FALLS DAM, MA	1,528	1,528
BIRCH HILL DAM, MA	1,074	1,074
BUFFUMVILLE LAKE, MA	1,159	1,159
CAPE COD CANAL, MA	2,049	11,508 *

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
CHARLES RIVER NATURAL VALLEY STORAGE AREAS, MA	407	407
CHATHAM (STAGE) HARBOR, MA	---	800
CONANT BROOK DAM, MA	390	390
EAST BRIMFIELD LAKE, MA	1,690	1,690
HODGES VILLAGE DAM, MA	1,165	1,165
HYANNIS HARBOR, MA	---	800 *
INSPECTION OF COMPLETED WORKS, MA	---	624 ~
KNIGHTVILLE DAM, MA	1,120	1,120
LITTLEVILLE LAKE, MA	1,276	1,276
NEW BEDFORD HURRICANE BARRIER, MA	490	490
NEWBURYPORT HARBOR, MA	---	240 *
PROJECT CONDITION SURVEYS, MA	---	1,288 *
TULLY LAKE, MA	1,981	1,981
WEST HILL DAM, MA	952	952
WESTVILLE LAKE, MA	1,404	1,404

MICHIGAN

ALPENA HARBOR, MI	---	29 *
ARCADIA HARBOR, MI	---	2 *
AU SABLE HARBOR, MI	---	5 *
BIG BAY HARBOR, MI	---	5 *
BLACK RIVER HARBOR, GOGEBIC CO - UP, MI	---	2 *
BLACK RIVER, PORT HURON, MI	---	2 *
BOLLES HARBOR, MI	---	11 *
CASEVILLE HARBOR, MI	---	7 *
CEDAR RIVER HARBOR, MI	---	4 *
CHANNELS IN LAKE ST. CLAIR, MI	---	248 *
CHARLEVOIX HARBOR, MI	---	25 *
CHEBOYGAN HARBOR, MI	---	5 *
DETROIT RIVER, MI	---	8,041 *
EAGLE HARBOR, MI	---	2 *
FRANKFORT HARBOR, MI	---	14 *
GRAND HAVEN HARBOR AND GRAND RIVER, MI	---	3,425 *
GRAND MARAIS HARBOR, MI	---	13 *
GRAND TRAVERSE BAY HARBOR, MI	---	23 *
HAMMOND BAY HARBOR, MI	---	2 *
HARBOR BEACH HARBOR, MI	---	5 *
HARRISVILLE HARBOR, MI	---	6 *
HOLLAND HARBOR, MI	---	1,317 *
INSPECTION OF COMPLETED WORKS, MI	---	309 ~
INLAND ROUTE, MI	---	127 *
KEWEENAW WATERWAY, MI	10	1,458 *
LAC LA BELLE, MI	---	4 *
LELAND HARBOR, MI	---	22 *
LEXINGTON HARBOR, MI	---	505 *
LITTLE LAKE HARBOR, MI	---	204 *
LUDINGTON HARBOR, MI	---	1,164 *

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MANISTEE HARBOR, MI	---	12 *
MANISTIQUE HARBOR, MI	---	7 *
MARQUETTE HARBOR, MI	---	805 *
MENOMINEE HARBOR, MI & WI	---	5 *
MONROE HARBOR, MI	---	1,286 *
MUSKEGON HARBOR, MI	---	981 *
NEW BUFFALO HARBOR, MI	---	26 *
ONTONAGON HARBOR, MI	---	12 *
PENTWATER HARBOR, MI	---	16 *
POINT LOOKOUT HARBOR, MI	---	4 *
PORT AUSTIN HARBOR, MI	---	9 *
PORT SANILAC HARBOR, MI	---	506 *
PORTAGE LAKE HARBOR, MI	---	9 *
PRESQUE ISLE HARBOR, MI	---	5 *
PROJECT CONDITION SURVEYS, MI	---	843 *
ROUGE RIVER, MI	---	2 *
SAGINAW RIVER, MI	---	4,058 *
SAUGATUCK HARBOR, KALAMAZOO RIVER, MI	---	6 *
SEBEWAING RIVER, MI	65	68 *
SOUTH HAVEN HARBOR, MI	---	16 *
ST. CLAIR RIVER, MI	---	833 *
ST. JOSEPH HARBOR, MI	---	3,033 *
ST. MARYS RIVER, MI	10,024	80,966 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, MI	---	1,800 *
WHITE LAKE HARBOR, MI	---	8 *
WHITEFISH POINT HARBOR, MI	---	2 *

MINNESOTA

BIG STONE LAKE AND WHETSTONE RIVER, MN & SD	282	282
DULUTH-SUPERIOR HARBOR, MN & WI	185	6,185 *
INSPECTION OF COMPLETED WORKS, MN	---	150 ~
KNIFE RIVER HARBOR, MN	---	22 *
LAC QUI PARLE LAKES, MINNESOTA RIVER, MN	1,020	1,020
MINNESOTA RIVER, MN	---	275 *
MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS (MVP PORTION), MN	101,167	101,917 *
ORWELL LAKE, MN	1,032	1,032
PROJECT CONDITION SURVEYS, MN	---	99 *
RED LAKE RESERVOIR, MN	200	200
RESERVOIRS AT HEADWATERS OF MISSISSIPPI RIVER, MN	6,344	6,344
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, MN	---	927 *
TWO HARBORS, MN	---	6 *

MISSISSIPPI

BILOXI HARBOR, MS	---	1,560 *
EAST FORK, TOMBIGBEE RIVER, MS	290	290

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL	
GULFPORT HARBOR, MS	---	8,600	*
INSPECTION OF COMPLETED WORKS, MS	---	71	~
MOUTH OF YAZOO RIVER, MS	---	331	*
OKATIBBEE LAKE, MS	1,744	1,744	
PASCAGOULA HARBOR, MS	---	10,004	*
PEARL RIVER, MS & LA	139	139	
PROJECT CONDITION SURVEYS, MS	---	155	*
ROSEDALE HARBOR, MS	---	937	*
WATER/ENVIRONMENTAL CERTIFICATION, MS	---	30	*
YAZOO RIVER, MS	---	271	*

MISSOURI

CARUTHERSVILLE HARBOR, MO	---	791	*
CLARENCE CANNON DAM AND MARK TWAIN LAKE, MO	6,241	6,241	
CLEARWATER LAKE, MO	6,689	6,689	
HARRY S. TRUMAN DAM AND RESERVOIR, MO	12,846	12,846	
INSPECTION OF COMPLETED WORKS, MO	---	2,093	~
LITTLE BLUE RIVER LAKES, MO	1,587	1,587	
LONG BRANCH LAKE, MO	993	993	
MISSISSIPPI RIVER BETWEEN THE OHIO AND MISSOURI RIVERS (REG WORKS), MO & IL	28,344	28,344	
NEW MADRID COUNTY HARBOR, MO	---	520	*
NEW MADRID HARBOR, MO (MILE 889)	---	440	*
POMME DE TERRE LAKE, MO	3,146	3,146	
PROJECT CONDITION SURVEYS, MO	---	5	*
SCHEDULING RESERVOIR OPERATIONS, MO	---	174	~
SMITHVILLE LAKE, MO	1,874	1,874	
SOUTHEAST MISSOURI PORT, MISSISSIPPI RIVER, MO	---	9	*
STOCKTON LAKE, MO	5,838	5,838	
TABLE ROCK LAKE, MO & AR	12,871	12,871	

MONTANA

FT PECK DAM AND LAKE, MT	6,826	6,826	
INSPECTION OF COMPLETED WORKS, MT	---	162	~
LIBBY DAM, MT	2,976	1,855	
SCHEDULING RESERVOIR OPERATIONS, MT	---	130	~

NEBRASKA

GAVINS POINT DAM, LEWIS AND CLARK LAKE, NE & SD	10,091	10,091	
HARLAN COUNTY LAKE, NE	3,161	3,161	
INSPECTION OF COMPLETED WORKS, NE	---	772	~
MISSOURI RIVER - KENSLERS BEND, NE TO SIOUX CITY, IA	113	113	
PAPILLION CREEK AND TRIBUTARIES LAKES, NE	800	800	
SALT CREEK AND TRIBUTARIES, NE	1,310	1,310	

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
NEVADA		
INSPECTION OF COMPLETED WORKS, NV	---	70 ~
MARTIS CREEK LAKE, NV & CA	8,325	8,325
PINE AND MATHEWS CANYONS DAMS, NV	997	997
NEW HAMPSHIRE		
BLACKWATER DAM, NH	1,034	1,034
EDWARD MACDOWELL LAKE, NH	1,287	1,287
FRANKLIN FALLS DAM, NH	1,150	1,150
HOPKINTON-EVERETT LAKES, NH	2,127	2,127
INSPECTION OF COMPLETED WORKS, NH	---	88 ~
OTTER BROOK LAKE, NH	1,950	1,950
PROJECT CONDITION SURVEYS, NH	---	361 *
SURRY MOUNTAIN LAKE, NH	1,593	1,593
NEW JERSEY		
COLD SPRING INLET, NJ	---	20 *
DELAWARE RIVER AT CAMDEN, NJ	---	15 *
DELAWARE RIVER, PHILADELPHIA TO THE SEA, NJ, PA & DE	---	46,249 *
INSPECTION OF COMPLETED WORKS, NJ	---	323 ~
MANASQUAN RIVER, NJ	---	435 *
NEW JERSEY INTRACOASTAL WATERWAY, NJ	---	1,060 *
NEWARK BAY, HACKENSACK AND PASSAIC RIVERS, NJ	---	20,020 *
PASSAIC RIVER FLOOD WARNING SYSTEMS, NJ	525	525
PROJECT CONDITION SURVEYS, NJ	---	2,198 *
SALEM RIVER, NJ	---	100 *
SHARK RIVER, NJ	---	1,150 *
SHREWSBURY RIVER, NJ	---	26,000
NEW MEXICO		
ABIQUIU DAM, NM	5,152	5,152
COCHITI LAKE, NM	4,532	4,532
CONCHAS LAKE, NM	3,265	3,265
GALISTEO DAM, NM	711	711
INSPECTION OF COMPLETED WORKS, NM	---	515 ~
JEMEZ CANYON DAM, NM	1,341	1,341
MIDDLE RIO GRANDE ENDANGERED SPECIES COLLABORATIVE PROGRAM, NM	---	2,000
SANTA ROSA DAM AND LAKE, NM	1,508	1,508
SCHEDULING RESERVOIR OPERATIONS, NM	---	225 ~
TWO RIVERS DAM, NM	814	814
UPPER RIO GRANDE WATER OPERATIONS MODEL, NM	1,235	1,235

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
NEW YORK		
ALMOND LAKE, NY	1,732	1,732
ARKPORT DAM, NY	448	448
BARCELONA HARBOR, NY	---	19 *
BLACK ROCK CHANNEL AND TONAWANDA HARBOR, NY	---	12,277 *
BRONX RIVER, NY	---	6 *
BROWN'S CREEK, NY	---	5 *
BUFFALO HARBOR, NY	---	2,711 *
CAPE VINCENT HARBOR, NY	---	3 *
CATTARAUGUS HARBOR, NY	---	3 *
DUNKIRK HARBOR, NY	---	4,753 *
EAST RIVER, NY	---	7,610 *
EAST SIDNEY LAKE, NY	1,425	1,425
FIRE ISLAND INLET TO JONES INLET, NY	---	37,340 *
GREAT SODUS BAY HARBOR, NY	---	20,007 *
BREAKWATER	---	(20,000)
HUDSON RIVER CHANNEL, NY	---	10 *
HUDSON RIVER, NY (MAINT)	---	5,410 *
HUDSON RIVER, NY (O and C)	---	2,600 *
INSPECTION OF COMPLETED WORKS, NY	---	1,068 ~
IRONDEQUOIT BAY HARBOR, NY	---	6 *
LITTLE RIVER, NY	---	1 *
LITTLE SODUS BAY HARBOR, NY	---	5 *
LONG ISLAND INTRACOASTAL WATERWAY, NY	---	6,065 *
MORRISTOWN HARBOR, NY	---	1 *
MOUNT MORRIS DAM, NY	4,334	4,334
NEW YORK AND NEW JERSEY CHANNELS, NY	---	406 *
NEW YORK AND NEW JERSEY HARBOR, NY & NJ	---	58,300 *
DMMP	---	(3000)
NEW YORK HARBOR, NY	---	18,035 *
NEW YORK HARBOR, NY & NJ (DRIFT REMOVAL)	---	12,584 *
NEW YORK HARBOR, NY (PREVENTION OF OBSTRUCTIVE DEPOSITS)	---	1,790 *
OAK ORCHARD HARBOR, NY	---	5 *
OGDENSBURG HARBOR, NY	---	1 *
OLCOTT HARBOR, NY	---	8 *
OSWEGO HARBOR, NY	---	17,971 *
PORT ONTARIO HARBOR, NY	---	5 *
PROJECT CONDITION SURVEYS, NY	---	2,497 *
ROCHESTER HARBOR, NY	---	10 *
SOUTHERN NEW YORK FLOOD CONTROL PROJECTS, NY	1,199	1,199
STURGEON POINT HARBOR, NY	---	4 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, NY	---	710 *
WHITNEY POINT LAKE, NY	2,422	2,422
WILSON HARBOR, NY	---	8 *

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
NORTH CAROLINA		
ATLANTIC INTRACOASTAL WATERWAY (AIWW), NC	15,955	15,805
B. EVERETT JORDAN DAM AND LAKE, NC	1,942	1,942
CAPE FEAR RIVER ABOVE WILMINGTON, NC	146	484 *
FALLS LAKE, NC	1,910	1,910
INSPECTION OF COMPLETED WORKS, NC	---	188 ~
MANTEO (SHALLOWBAG) BAY, NC	---	7,265 *
MOREHEAD CITY HARBOR, NC	---	24,919 *
NEW RIVER INLET, NC	---	560 *
PROJECT CONDITION SURVEYS, NC	---	600 *
ROLLINSON CHANNEL, NC	---	3,665 *
SILVER LAKE HARBOR, NC	---	560 *
W. KERR SCOTT DAM AND RESERVOIR, NC	4,010	4,010
WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, NC	---	2,615
WILMINGTON HARBOR, NC	---	21,657 *
NORTH DAKOTA		
BOWMAN HALEY LAKE, ND	258	258
GARRISON DAM, LAKE SAKAKAWEA, ND	17,472	17,244
HOMME LAKE, ND	365	365
INSPECTION OF COMPLETED WORKS, ND	---	263 ~
LAKE ASHTABULA AND BALDHILL DAM, ND	1,929	1,929
PIPESTEM LAKE, ND	620	620
SCHEDULING RESERVOIR OPERATIONS, ND	---	128 ~
SOURIS RIVER, ND	374	374
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, ND	---	347 *
OHIO		
ALUM CREEK LAKE, OH	2,212	2,212
ASHTABULA HARBOR, OH	---	2,293 *
BERLIN LAKE, OH	3,335	3,335
CAESAR CREEK LAKE, OH	3,585	3,585
CLARENCE J. BROWN DAM AND RESERVOIR, OH	2,234	2,234
CLEVELAND HARBOR, OH	---	10,908 *
CONNEAUT HARBOR, OH	---	2,470 *
COOLEY CANAL, OH	---	5 *
DEER CREEK LAKE, OH	2,561	2,561
DELAWARE LAKE, OH	2,667	2,667
DILLON LAKE, OH	3,571	3,571
FAIRPORT HARBOR, OH	---	2,796 *
HURON HARBOR, OH	---	1,509 *
INSPECTION OF COMPLETED WORKS, OH	---	1,430 ~
LORAIN HARBOR, OH	---	966 *
MASSILLON LOCAL PROTECTION PROJECT, OH	186	186
MICHAEL J. KIRWAN DAM AND RESERVOIR, OH	1,756	1,756

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
MOSQUITO CREEK LAKE, OH	1,547	1,547
MUSKINGUM RIVER LAKES, OH	19,550	19,550
NORTH BRANCH KOKOSING RIVER LAKE, OH	767	767
OHIO-MISSISSIPPI FLOOD CONTROL, OH	1,500	1,500
PAINT CREEK LAKE, OH	1,814	1,814
PORT CLINTON HARBOR, OH	---	1,010 *
PROJECT CONDITION SURVEYS, OH	---	346 *
PUT-IN-BAY, OH	---	2 *
ROCKY RIVER, OH	---	2 *
ROSEVILLE LOCAL PROTECTION PROJECT, OH	104	104
SANDUSKY HARBOR, OH	---	1,007 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, OH	---	285 *
TOLEDO HARBOR, OH	---	6,588 *
TOM JENKINS DAM, OH	1,747	1,747
TOUSSAINT RIVER, OH	---	5 *
VERMILION HARBOR, OH	---	1,007 *
WEST FORK OF MILL CREEK LAKE, OH	1,967	1,967
WEST HARBOR, OH	---	5 *
WILLIAM H. HARSHA LAKE, OH	2,361	2,306
OKLAHOMA		
ARCADIA LAKE, OK	559	559
BIRCH LAKE, OK	996	996
BROKEN BOW LAKE, OK	2,958	2,958
CANTON LAKE, OK	2,138	2,138
COPAN LAKE, OK	1,235	1,235
EUFAULA LAKE, OK	7,928	7,928
FORT GIBSON LAKE, OK	4,760	4,760
FORT SUPPLY LAKE, OK	1,214	1,214
GREAT SALT PLAINS LAKE, OK	609	609
HEYBURN LAKE, OK	839	839
HUGO LAKE, OK	6,648	6,648
HULAH LAKE, OK	1,314	1,314
INSPECTION OF COMPLETED WORKS, OK	---	80 ~
KAW LAKE, OK	3,117	3,117
KEYSTONE LAKE, OK	5,398	5,398
MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, OK	69,197	87,497
OOLOGAH LAKE, OK	3,103	3,103
OPTIMA LAKE, OK	98	98
PENSACOLA RESERVOIR, LAKE OF THE CHEROKEES, OK	18	18
PINE CREEK LAKE, OK	1,483	1,483
SARDIS LAKE, OK	1,203	1,203
SCHEDULING RESERVOIR OPERATIONS, OK	---	2,000 ~
SKIATOOK LAKE, OK	2,234	2,234
TENKILLER FERRY LAKE, OK	5,849	5,849
WAURIKA LAKE, OK	1,733	1,733

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
WISTER LAKE, OK	5,546	5,546
OREGON		
APPLEGATE LAKE, OR	1,370	1,617
COLE RIVERS HATCHERY	---	(247)
BLUE RIVER LAKE, OR	1,417	1,417
BONNEVILLE LOCK AND DAM, OR & WA	1,407	8,900 *
CHETCO RIVER, OR	---	548 *
COLUMBIA RIVER AT THE MOUTH, OR & WA	---	20,687 *
COOS BAY, OR	---	18,576 *
COQUILLE RIVER, OR	---	894 *
COTTAGE GROVE LAKE, OR	1,875	1,875
COUGAR LAKE, OR	7,683	7,683
DEPOE BAY, OR	---	101 *
DETROIT LAKE, OR	1,933	1,933
DORENA LAKE, OR	1,715	1,715
ELK CREEK LAKE, OR	225	225
FALL CREEK LAKE, OR	1,962	1,962
FERN RIDGE LAKE, OR	3,114	3,114
GREEN PETER - FOSTER LAKES, OR	3,707	3,707
HILLS CREEK LAKE, OR	2,146	2,146
INSPECTION OF COMPLETED WORKS, OR	---	1,182 ~
JOHN DAY LOCK AND DAM, OR & WA	7,533	8,493
LOOKOUT POINT LAKE, OR	4,774	4,774
LOST CREEK LAKE, OR	4,972	6,967
COLE RIVERS HATCHERY	---	(1,995)
MCNARY LOCK AND DAM, OR & WA	14,362	14,362
PORT ORFORD, OR	---	393 *
PROJECT CONDITION SURVEYS, OR	---	510 *
ROGUE RIVER AT GOLD BEACH, OR	---	1,531 *
SCHEDULING RESERVOIR OPERATIONS, OR	---	107 ~
SIUSLAW RIVER, OR	---	1,059 *
SKIPANON CHANNEL, OR	---	59 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, OR	---	492 *
TILLAMOOK BAY AND BAR, OR	---	389 *
UMPQUA RIVER, OR	---	1,980 *
WILLAMETTE RIVER AT WILLAMETTE FALLS, OR	176	176
WILLAMETTE RIVER BANK PROTECTION, OR	164	164
WILLOW CREEK LAKE, OR	988	988
YAQUINA BAY AND HARBOR, OR	---	4,529 *
YAQUINA RIVER, OR	---	47 *
PENNSYLVANIA		
ALLEGHENY RIVER, PA	9,428	9,428
ALVIN R. BUSH DAM, PA	1,225	1,225
AYLESWORTH CREEK LAKE, PA	858	858

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
BELTZVILLE LAKE, PA	1,744	1,744
BLUE MARSH LAKE, PA	4,357	4,357
CONEMAUGH RIVER LAKE, PA	16,354	16,354
COWANESQUE LAKE, PA	2,384	2,384
CROOKED CREEK LAKE, PA	2,620	2,620
CURWENSVILLE LAKE, PA	1,463	1,463
DELAWARE RIVER, PHILADELPHIA TO TRENTON, PA & NJ	---	17,725 *
EAST BRANCH CLARION RIVER LAKE, PA	2,533	2,533
ERIE HARBOR, PA	---	13 *
FOSTER J. SAYERS DAM, PA	2,009	2,009
FRANCIS E. WALTER DAM AND RESERVOIR, PA	2,273	2,273
GENERAL EDGAR JADWIN DAM AND RESERVOIR, PA	392	392
INSPECTION OF COMPLETED WORKS, PA	---	998 ~
JOHNSTOWN, PA	4,433	4,433
KINZUA DAM AND ALLEGHENY RESERVOIR, PA	2,597	2,597
LOYALHANNA LAKE, PA	5,249	5,249
MAHONING CREEK LAKE, PA	4,372	4,372
MONONGAHELA RIVER, PA & WV	21,932	21,932
OHIO RIVER LOCKS AND DAMS, PA, OH & WV	55,788	53,728
OHIO RIVER OPEN CHANNEL WORK, PA, OH & WV	877	877
PROJECT CONDITION SURVEYS, PA	---	178 *
PROMPTON LAKE, PA	584	584
PUNXSUTAWNEY, PA	1,703	1,703
RAYSTOWN LAKE, PA	17,851	17,851
SCHEDULING RESERVOIR OPERATIONS, PA	---	82 ~
SCHUYLKILL RIVER, PA	---	100 *
SHENANGO RIVER LAKE, PA	4,343	4,343
STILLWATER LAKE, PA	1,392	1,392
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, PA	---	115 *
TIOGA-HAMMOND LAKES, PA	5,518	5,518
TIONESTA LAKE, PA	3,039	3,039
UNION CITY LAKE, PA	674	674
WOODCOCK CREEK LAKE, PA	1,434	1,434
YORK INDIAN ROCK DAM, PA	1,440	1,440
YOUGHIOGHENY RIVER LAKE, PA & MD	4,326	4,326

PUERTO RICO

INSPECTION OF COMPLETED WORKS, PR	---	209 ~
PROJECT CONDITION SURVEYS, PR	---	106 *
SAN JUAN HARBOR, PR	---	50 *

RHODE ISLAND

FOX POINT HURRICANE BARRIER, RI	995	995
INSPECTION OF COMPLETED WORKS, RI	---	27 ~
PROJECT CONDITION SURVEYS, RI	---	515 *
PROVIDENCE RIVER AND HARBOR, RI	---	20,000 *

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
WOONSOCKET LOCAL PROTECTION PROJECT, RI	1,022	1,022
SOUTH CAROLINA		
ATLANTIC INTRACOASTAL WATERWAY (AIWW), SC	4,515	4,515
CHARLESTON HARBOR, SC	---	34,396 *
COOPER RIVER, CHARLESTON HARBOR, SC	---	4,575 *
FOLLY RIVER, SC	---	1,655 *
GEORGETOWN HARBOR, SC	---	25 *
MURRELLS INLET, SC	---	500 *
INSPECTION OF COMPLETED WORKS, SC	---	65 ~
PROJECT CONDITION SURVEYS, SC	---	875 *
SOUTH DAKOTA		
BIG BEND DAM AND LAKE SHARPE, SD	11,307	11,102
COLD BROOK LAKE, SD	346	346
COTTONWOOD SPRINGS LAKE, SD	238	238
FORT RANDALL DAM, LAKE FRANCIS CASE, SD	13,305	12,197
INSPECTION OF COMPLETED WORKS, SD	---	219 ~
LAKE TRAVERSE, SD & MN	685	685
OAHE DAM AND LAKE OAHE, SD	13,301	13,301
SCHEDULING RESERVOIR OPERATIONS, SD	---	149 ~
TENNESSEE		
CENTER HILL LAKE, TN	10,824	7,824
CHEATHAM LOCK AND DAM, TN	8,293	8,293
CORDELL HULL DAM AND RESERVOIR, TN	8,375	8,375
DALE HOLLOW LAKE, TN	8,469	8,469
J. PERCY PRIEST DAM AND RESERVOIR, TN	5,768	5,768
INSPECTION OF COMPLETED WORKS, TN	---	194 ~
NORTHWEST TENNESSEE REGIONAL HARBOR, TN	---	540 *
OLD HICKORY LOCK AND DAM, TN	31,959	31,959
PROJECT CONDITION SURVEYS, TN	---	5 *
TENNESSEE RIVER, TN	27,200	26,675
WOLF RIVER HARBOR, TN	---	655 *
TEXAS		
AQUILLA LAKE, TX	2,646	2,646
ARKANSAS - RED RIVER BASINS CHLORIDE CONTROL - AREA VIII, TX	1,438	1,438
BARDWELL LAKE, TX	3,220	3,220
BELTON LAKE, TX	4,696	4,696
BENBROOK LAKE, TX	3,195	3,195
BRAZOS ISLAND HARBOR, TX	---	14,300 *
BUFFALO BAYOU AND TRIBUTARIES, TX	3,648	3,648
CANYON LAKE, TX	6,038	6,038

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
CHANNEL TO HARLINGEN, TX	---	3,100 *
CHANNEL TO PORT BOLIVAR, TX	---	600 *
CORPUS CHRISTI SHIP CHANNEL, TX	---	6,500 *
DENISON DAM, LAKE TEXOMA, TX	9,784	9,784
ESTELLINE SPRINGS EXPERIMENTAL PROJECT, TX	41	41
FERRELLS BRIDGE DAM - LAKE O' THE PINES, TX	7,115	7,115
FREEPORT HARBOR, TX	---	10,900 *
GALVESTON HARBOR AND CHANNEL, TX	---	25,150 *
GIWW, CHANNEL TO VICTORIA, TX	---	6,950 *
GRANGER LAKE, TX	3,786	3,786
GRAPEVINE LAKE, TX	3,077	3,077
GULF INTRACOASTAL WATERWAY, TX	57,650	57,650
GULF INTRACOASTAL WATERWAY, CHOCOLATE BAYOU, TX	---	4,650 *
HORDS CREEK LAKE, TX	1,860	1,860
HOUSTON SHIP CHANNEL, TX	---	40,300 *
INSPECTION OF COMPLETED WORKS, TX	---	1,638 ~
JIM CHAPMAN LAKE, TX	2,422	2,422
JOE POOL LAKE, TX	3,595	3,595
LAKE KEMP, TX	461	461
LAVON LAKE, TX	13,453	13,453
LEWISVILLE DAM, TX	4,146	4,146
MATAGORDA SHIP CHANNEL, TX	---	7,950 *
MOUTH OF THE COLORADO RIVER, TX	---	2,100 *
NAVARRO MILLS LAKE, TX	2,401	2,401
NORTH SAN GABRIEL DAM AND LAKE GEORGETOWN, TX	4,027	4,027
O. C. FISHER DAM AND LAKE, TX	1,774	1,774
PAT MAYSE LAKE, TX	1,309	1,309
PROCTOR LAKE, TX	2,330	2,330
PROJECT CONDITION SURVEYS, TX	---	325 *
RAY ROBERTS LAKE, TX	1,928	1,928
SABINE - NECHES WATERWAY, TX	---	23,250 *
SAM RAYBURN DAM AND RESERVOIR, TX	20,878	20,878
SCHEDULING RESERVOIR OPERATIONS, TX	---	393 ~
SOMERVILLE LAKE, TX	3,194	3,194
STILLHOUSE HOLLOW DAM, TX	3,132	3,132
TEXAS CITY SHIP CHANNEL, TX	---	9,700 *
TOWN BLUFF DAM, B. A. STEINHAGEN LAKE AND ROBERT DOUGLAS WILLIS HYDROPOWER PROJECT, TX	3,554	3,554
WACO LAKE, TX	4,706	5,706
WALLISVILLE LAKE, TX	3,191	3,191
WHITNEY LAKE, TX	7,875	7,875
WRIGHT PATMAN DAM AND LAKE, TX	4,473	4,273
UTAH		
INSPECTION OF COMPLETED WORKS, UT	---	35 ~
SCHEDULING RESERVOIR OPERATIONS, UT	---	405 ~

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
VERMONT		
BALL MOUNTAIN LAKE, VT	1,477	1,477
INSPECTION OF COMPLETED WORKS, VT	---	108 ~
NARROWS OF LAKE CHAMPLAIN, VT & NY	---	10 *
NORTH HARTLAND LAKE, VT	1,607	1,607
NORTH SPRINGFIELD LAKE, VT	1,885	1,885
TOWNSHEND LAKE, VT	1,456	1,456
UNION VILLAGE DAM, VT	1,019	1,019
VIRGIN ISLANDS		
CHARLOTTE AMALIE (ST. THOMAS) HARBOR, VI	---	200
INSPECTION OF COMPLETED WORKS, VI	---	36 ~
PROJECT CONDITION SURVEYS, VI	---	53 *
VIRGINIA		
ATLANTIC INTRACOASTAL WATERWAY - ALBEMARLE AND CHESAPEAKE CANAL ROUTE, VA	7,035	7,035
ATLANTIC INTRACOASTAL WATERWAY - DISMAL SWAMP CANAL ROUTE, VA	3,971	3,971
CHINCOTEAGUE HARBOR OF REFUGE, VA	---	250 *
CHINCOTEAGUE INLET, VA	---	800 *
GATHRIGHT DAM AND LAKE MOOMAW, VA	3,990	3,990
HAMPTON ROADS DRIFT REMOVAL, VA	---	2,183 *
HAMPTON ROADS, PREVENTION OF OBSTRUCTIVE DEPOSITS, VA	---	225 *
INSPECTION OF COMPLETED WORKS, VA	---	596 ~
JAMES RIVER CHANNEL, VA	---	11,116 *
JOHN H. KERR LAKE, VA & NC	12,043	12,043
JOHN W. FLANNAGAN DAM AND RESERVOIR, VA	2,605	2,605
LITTLE MACHIPONGO RIVER, VA	---	1,945
LITTLE WICOMICO RIVER, VA	---	105 *
LYNNHAVEN INLET, VA	---	350 *
NORFOLK HARBOR, VA	---	28,645 *
NORTH FORK OF POUND RIVER LAKE, VA	705	705
PHILPOTT LAKE, VA	4,480	4,480
PROJECT CONDITION SURVEYS, VA	---	1,884 *
RUDEE INLET, VA	---	425 *
WATER AND ENVIRONMENTAL CERTIFICATIONS, VA	---	215 *
WATERWAY ON THE COAST OF VIRGINIA, VA	---	2,160 *
WILLOUGHBY CHANNEL, VA	---	1,029 *
WASHINGTON		
CHIEF JOSEPH DAM, WA	518	518
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA and PORTLAND, OR	---	73,646 *
COLUMBIA RIVER AT BAKER BAY, WA	---	1,249 *
COLUMBIA RIVER BETWEEN CHINOOK AND SAND ISLAND, WA	---	7 *

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL	
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR	---	1,129	*
EDIZ HOOK, WA	---	155	*
EVERETT HARBOR AND SNOHOMISH RIVER, WA	---	3,110	*
GRAYS HARBOR, WA	---	17,910	*
HOWARD A. HANSON DAM, WA	5,251	5,251	
ICE HARBOR LOCK AND DAM, WA	23,485	23,485	
INSPECTION OF COMPLETED WORKS, WA	---	1,001	~
LAKE WASHINGTON SHIP CANAL, WA	815	10,564	*
LITTLE GOOSE LOCK AND DAM, WA	13,948	11,298	
LOWER GRANITE LOCK AND DAM, WA	15,061	15,061	
LOWER MONUMENTAL LOCK AND DAM, WA	10,494	9,094	
MILL CREEK LAKE, WA	4,541	4,541	
MOUNT ST. HELENS SEDIMENT CONTROL, WA	696	856	
MUD MOUNTAIN DAM, WA	8,861	8,861	
NEAH BAY, WA	---	225	*
PORT TOWNSEND, WA	---	315	*
PROJECT CONDITION SURVEYS, WA	---	840	*
PUGET SOUND AND TRIBUTARY WATERS, WA	---	1,343	*
QUILLAYUTE RIVER, WA	---	3,384	*
SEATTLE HARBOR, WA	---	1,985	*
SCHEDULING RESERVOIR OPERATIONS, WA	---	605	~
STILLAGUAMISH RIVER, WA	528	528	
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, WA	---	65	*
SWINOMISH CHANNEL, WA	---	1,857	*
TACOMA-PUYALLUP RIVER, WA	319	319	
THE DALLES LOCK AND DAM, WA & OR	5,353	5,353	

WEST VIRGINIA

BEECH FORK LAKE, WV	1,979	1,979	
BLUESTONE LAKE, WV	2,509	2,509	
BURNSVILLE LAKE, WV	3,078	3,078	
EAST LYNN LAKE, WV	3,171	3,171	
ELKINS, WV	59	59	
INSPECTION OF COMPLETED WORKS, WV	---	515	~
KANAWHA RIVER LOCKS AND DAMS, WV	26,400	26,400	
OHIO RIVER LOCKS AND DAMS, WV, KY & OH	54,697	54,697	
OHIO RIVER OPEN CHANNEL WORK, WV, KY & OH	2,802	2,802	
R. D. BAILEY LAKE, WV	3,424	3,424	
STONEWALL JACKSON LAKE, WV	1,809	1,809	
SUMMERSVILLE LAKE, WV	2,988	2,988	
SUTTON LAKE, WV	4,705	4,705	
TYGART LAKE, WV	2,085	2,085	

WISCONSIN

ALGOMA HARBOR, WI	---	7,494	*
ASHLAND HARBOR, WI	---	2	*
BAYFIELD HARBOR, WI	---	3	*

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
CORNUCOPIA HARBOR, WI	---	7 *
EAU GALLE RIVER LAKE, WI	823	823
FOX RIVER, WI	7,716	7,716
GREEN BAY HARBOR, WI	---	3,378 *
INSPECTION OF COMPLETED WORKS, WI	---	46 ~
KENOSHA HARBOR, WI	---	3,505 *
KEWAUNEE HARBOR, WI	---	952 *
LA POINTE HARBOR, WI	---	22 *
MANITOWOC HARBOR, WI	---	562 *
MILWAUKEE HARBOR, WI	---	10,064 *
OCONTO HARBOR, WI	---	5 *
PENSAUKEE HARBOR, WI	---	4 *
PORT WASHINGTON HARBOR, WI	---	5 *
PORT WING HARBOR, WI	---	8 *
PROJECT CONDITION SURVEYS, WI	---	369 *
SAXON HARBOR, WI	---	4 *
SHEBOYGAN HARBOR, WI	---	5 *
STURGEON BAY HARBOR AND LAKE MICHIGAN SHIP CANAL, WI	7	5,623 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, WI	---	485 *
TWO RIVERS HARBOR, WI	---	211 *

WYOMING

INSPECTION OF COMPLETED WORKS, WY	---	51 ~
JACKSON HOLE LEVEES, WY	2,251	1,609
SCHEDULING RESERVOIR OPERATIONS, WY	---	112 ~

SUBTOTAL, PROJECTS LISTED UNDER STATES	2,411,077	4,258,624
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REMAINING ITEMS

ADDITIONAL FUNDING FOR ONGOING WORK		
NAVIGATION MAINTENANCE	---	32,000
DEEP-DRAFT HARBOR AND CHANNEL	---	352,384
DONOR AND ENERGY TRANSFER PORTS	---	56,000
SMALL, REMOTE, OR SUBSISTENCE NAVIGATION	---	65,000
OTHER AUTHORIZED PROJECT PURPOSES	---	11,277
AQUATIC NUISANCE CONTROL RESEARCH	100	23,000
ASSET MANAGEMENT/FACILITIES AND EQUIP MAINTENANCE (FEM)	---	2,000
CIVIL WORKS WATER MANAGEMENT SYSTEM (CWWMS)	8,000	9,000
COASTAL INLETS RESEARCH PROGRAM	100	13,050
COASTAL OCEAN DATA SYSTEMS (CODS) PROGRAM	3,500	10,500
CULTURAL RESOURCES	1,300	1,300
CYBERSECURITY	4,000	4,000
DREDGE MCFARLAND READY RESERVE	---	11,000 *
DREDGE WHEELER READY RESERVE	---	14,000 *
DREDGING DATA AND LOCK PERFORMANCE MONITORING SYSTEM	1,100	1,100
DREDGING OPERATIONS AND ENVIRONMENTAL RESEARCH (DOER) PROGRAM	5,000	7,000
DREDGING OPERATIONS TECHNICAL SUPPORT PROGRAM (DOTS)	2,000	5,000

CORPS OF ENGINEERS - OPERATION AND MAINTENANCE
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
EARTHQUAKE HAZARDS REDUCTION PROGRAM	250	250
ELECTRIC VEHICLE FLEET AND CHARGING INFRASTRUCTURE	20,000	20,000
ENGINEERING WITH NATURE	---	20,000
FACILITY PROTECTION	4,000	4,000
FISH AND WILDLIFE OPERATION FISH HATCHERY REIMBURSEMENT	5,400	5,400
HARBOR MAINTENANCE FEE DATA COLLECTION	---	795 *
INLAND WATERWAY NAVIGATION CHARTS	4,000	8,000
INSPECTION OF COMPLETED FEDERAL FLOOD CONTROL PROJECTS	18,000	18,000
INSPECTION OF COMPLETED WORKS	32,500	--- ^
MONITORING OF COMPLETED NAVIGATION PROJECTS	100	12,100
NATIONAL COASTAL MAPPING PROGRAM	4,000	15,000
NATIONAL DAM SAFETY PROGRAM (PORTFOLIO RISK ASSESSMENT)	10,000	10,000
NATIONAL EMERGENCY PREPAREDNESS PROGRAM (NEPP)	5,500	5,500
NATIONAL (LEVEE) FLOOD INVENTORY	7,500	12,000
NATIONAL (MULTIPLE PROJECT) NATURAL RESOURCES MANAGEMENT ACTIVITIES	2,500	2,500
NATIONAL PORTFOLIO ASSESSMENT FOR REALLOCATIONS	600	600
OPTIMIZATION TOOLS FOR NAVIGATION	350	350
PERFORMANCE-BASED BUDGETING SUPPORT PROGRAM	---	3,500
RECREATION MANAGEMENT SUPPORT PROGRAM	1,000	1,000
REGIONAL SEDIMENT MANAGEMENT	100	4,700
RESPONSE TO CLIMATE CHANGE AT CORPS PROJECTS	6,000	8,000
REVIEW OF NON-FEDERAL ALTERATIONS OF CIVIL WORKS PROJECTS (SECTION 408)	10,000	21,000
SCHEDULING OF RESERVOIR OPERATIONS	8,500	--- ^
STEWARDSHIP SUPPORT PROGRAM	900	900
SUSTAINABLE RIVERS PROGRAM (SRP)	5,000	7,000
VETERAN'S CURATION PROGRAM AND COLLECTIONS MANAGEMENT	6,500	6,500
WATERBORNE COMMERCE STATISTICS	4,670	4,670
WATER OPERATIONS TECHNICAL SUPPORT (WOTS)	5,500	10,500
 SUBTOTAL, REMAINING ITEMS	 187,970	 819,876
 TOTAL, OPERATION AND MAINTENANCE	 2,599,047	 5,078,500

*Includes funds requested in other accounts.

^Funded under projects listed under states.

~Requested in remaining items.

Updated Capabilities.—The agreement adjusts some project-specific allocations downward based on updated technical information from the Corps.

Additional Funding for Ongoing Work.—Of the additional funding provided in this account for other authorized project purposes, the Corps shall allocate not less than \$300,000 for efforts to address terrestrial noxious weed control and sediment removal activities pursuant to section 503 of WRDA of 2020.

Of the additional funding provided in this account for other authorized project purposes, the Corps shall allocate not less than \$2,000,000 for efforts to combat invasive mussels at Corps-owned reservoirs.

Of the additional funding provided in this account, the Corps shall also allocate funds according to the direction under the headings “Water Control Manuals”.

There is not support for a level of funding that does not fund operation and maintenance of our nation's aging infrastructure sufficiently to ensure continued competitiveness in a global marketplace. Federal navigation channels maintained at only a fraction of authorized dimensions and navigation locks and hydropower facilities being used well beyond their design life results in economic inefficiencies and risks infrastructure failure, which can cause substantial economic losses.

When allocating the additional funding provided in this account, the Corps shall consider giving priority to the following:

- ability to complete ongoing work maintaining authorized depths and widths of harbors and shipping channels (including small, remote, or subsistence harbors), including where contaminated sediments are present;
- ability to address critical maintenance backlog;
- presence of the U.S. Coast Guard;
- extent to which the work will enhance national, regional, or local economic development, including domestic manufacturing capacity;
- extent to which the work will promote job growth or international competitiveness;
- number of jobs created directly by the funded activity;
- ability to obligate the funds allocated within the fiscal year;
- ability to complete the project, separable element, project phase, or useful increment of work within the funds allocated;
- ability to address hazardous barriers to navigation due to shallow channels;
- dredging projects that would provide supplementary benefits to tributaries and waterways in close proximity to ongoing island replenishment projects;
- risk of imminent failure or closure of the facility;
- extent to which the work will promote recreation-based benefits, including those created by recreational boating;
- improvements to federal breakwaters and jetties where additional work will improve the safety of navigation and stabilize infrastructure to prevent continued deterioration; and
- for harbor maintenance activities:

- total tonnage handled;
- total exports;
- total imports;
- dollar value of cargo handled;
- energy infrastructure and national security needs served;
- designation as strategic seaports;
- maintenance of dredge disposal activities;
- lack of alternative means of freight movement;
- savings over alternative means of freight movement; and
- improvements to dredged disposal facilities that will result in long-term savings, including a reduction in regular maintenance costs.

Aquatic Nuisance Control Research Program.—The agreement provides \$8,000,000 to supplement activities related to harmful algal bloom research and control and directs the Corps to target freshwater ecosystems. There is awareness of the need to develop next generation ecological models to maintain inland and intracoastal waterways and the agreement provides \$5,000,000 for this purpose. The agreement provides \$5,000,000 to continue work on the Harmful Algal Bloom Demonstration Program, as authorized by WRDA of 2020, and the Corps is directed to provide to the Committees not later than 60 days after enactment of this Act a briefing on the status of this effort.

Additional funding recommended in this remaining item is to supplement and advance Corps activities to address harmful algal blooms including: early detection, prevention, and management techniques and procedures to reduce the occurrence and impacts of harmful algal blooms in our nation's water resources; work collaboratively with university partners to develop prediction, avoidance, and remediation measures focused on environmental triggers in riverine ecosystems; and to advance state-of-the-art Unmanned Aerial Systems-based detection, monitoring, and mapping of invasive aquatic plant species in conjunction with university partners.

Arkansas Red River Chloride Control.—The Corps is reminded of their existing obligations to continue operations and maintenance activities for the Red River Chloride Control project, Oklahoma and Texas, at federal expense and is also reminded that this project is eligible to compete for additional funding in this account.

Asset Management/Facilities and Equipment Maintenance (FEM).—The agreement provides \$2,000,000 to continue research on novel approaches to repair and maintenance practices that will increase civil infrastructure intelligence and resilience. The Corps is directed to provide to the Committees not later than 60 days after enactment of this Act a report on the status of this effort. The Corps was previously provided \$1,000,000 under the Asset Management/FEM remaining item to complete a study of their inventory in accordance with section 6002 of WRRDA of 2014. There is frustration regarding how long it has taken the Corps to make progress on this effort. Nonetheless, the second phase of inventory and assessment are currently ongoing, and the Corps is directed to provide to the Committees not later than 60

days after enactment of this Act a briefing that includes details on the percentage of the work that has already been done and a timeline for completion of the inventory.

Chicago Sanitary and Ship Canal Dispersal Barrier.—The Chicago Sanitary and Ship Canal (CSSC) dispersal barrier at Des Plaines River is a key control mechanism for protecting the Great Lakes from invasive carp. Over the last decade, the Corps has invested significant resources in building a permanent electric barrier on the Chicago Area Waterways System. Maximizing effectiveness of the CSSC can have significant immediate benefits for preventing spread of aquatic invasive species into the productive and ecologically diverse Great Lakes system.

Coastal Inlets Research Program.—Communities, infrastructure, and resources tied to coastal regions are vulnerable to damage from extreme coastal events and long-term coastal change. The agreement includes additional funding for the Corps-led, multi-university effort to identify engineering frameworks to address coastal resilience needs; to develop adaptive pathways that lead to coastal resilience; for efforts that measure the coastal forces that lead to infrastructure damage and erosion during extreme storm events; and to improve coupling of terrestrial and coastal models. Additional funding is also provided for the Corps to continue work with NOAA's National Water Center on protecting the nation's water resources.

Civil Works Water Management System.—Additional funding is included for incorporation of ensemble forecasts within the suite of numerical modeling tools in support of water management operations to advance the Forecast-Informed Reservoir Operations (FIRO) effort.

Dredging Operations and Environmental Research, Contaminated Sediment Management.—The assessment and management of contaminated sediments represents a significant cost to the federal government and impacts the nation's inland and coastal navigation system affecting the free flow of commerce. There is a critical need for investment in technology and approaches to enable more cost effective and sustainable practices for the assessment and management of contaminated sediments. The Corps is directed to develop a public-private partnership focused on research, development, and implementation of solutions for the assessment and management of contaminated sediments through the Dredging Operations and Environmental Research program.

Dredging Operations Technical Support Program.—The agreement provides \$2,200,000 for the further development of the Integrated Navigation Analysis and Visualization platform related to the operation and maintenance of the U.S. Marine Transportation System. The agreement also includes additional funds to support the research and application of artificial intelligence, machine learning, and advanced modeling capabilities to improve streamflow forecasting for channel shoaling and dredging to help reduce interruptions in waterborne inland commerce as a result of flooding and other silting activities. The Corps is directed to provide to the Committees not later than 90 days after enactment of this Act a briefing on the potential need for evaluation of whether deeper and wider channels would improve supply chain performance throughout the southeast region of the country.

Emerging Harbor Projects.—The agreement includes funding for individual projects defined as emerging harbor projects in section 210(f)(2) of WRDA of 1986 (Public Law 99-662) that exceeds the funding levels envisioned in sections 210(c)(3) and 210(d)(1)(B)(ii) of WRDA of 1986.

Engineering With Nature.—The agreement provides \$20,000,000 for the Engineering with Nature (EWN) initiative. Funding under this line item is intended for EWN activities having a national or regional scope or that benefit the Corps' broader execution of its mission areas. It is not intended to replace or preclude the appropriate use of EWN practices at districts using project-specific funding or work performed across other Corps programs that might involve EWN. Of the funding provided in this remaining item, \$10,000,000 is provided to support research and development of natural infrastructure solutions for the nation's bays and estuaries to reduce costs, environmental and aesthetic impacts, and improve access and health outcomes for the communities, economies, ecosystems, and defense installations that concentrate in the nation's bays and estuaries, and to design innovative nature-based infrastructure with landscape architecture, coastal modeling, and engineering. Of the funding provided in this remaining item, \$5,000,000 is to support ongoing research and advance work with university partners to develop standards, design guidance, and testing protocols to improve and standardize nature-based and hybrid infrastructure solutions, including those in drought and fire-prone lands and post-fire recovery areas.

Enhanced Options for Sand Acquisition for Beach Renourishment Projects.—The Corps is urged to provide states with guidance and recommendations to implement cost effective measures and planning for sand management.

Flood and Earthquake Modeling.—Last fiscal year additional funds were provided in the Earthquake Hazards Reduction Program to facilitate coordination with the National Levee Safety program to develop a plan for leveraging existing knowledge related to potential seismic concerns related to levees. The Corps is evaluating whether earthquake models would aid in assessment and if collaboration with universities would be beneficial. The Corps is directed to provide to the Committees not later than 90 days of enactment of this Act a briefing on the progress to date and any recommended future work.

Harmful Algal Bloom and Hypoxia Research and Control Act.—The Corps is directed to provide to the Committees not later than 90 days after enactment of this Act a briefing on the effort to coordinate the federal response to harmful algal bloom activities.

Hiram M. Chittenden Locks, Washington.—The agreement reiterates House direction.

Inland Water Navigation Charts.—The agreement provides \$2,000,000 for the eHydro program to modernize and enhance the distribution of the navigation charts and an additional \$2,000,000 to support the transition of the National Dredging Quality Management Program's automated dredging monitoring data to a cloud environment.

Jim Woodruff Lock and Dam.—The agreement reiterates House direction.

Kennebec River Long-Term Maintenance Dredging.—There is continued support for the Memorandum of Agreement signed in January 2019 denoting responsibilities between the Department of the Army and the Department of the Navy for the regular maintenance of the Kennebec River Federal

Navigation Channel. Maintenance dredging of the Kennebec is essential to the safe passage of newly constructed Navy guided missile destroyers to the Atlantic Ocean. The Secretary is directed to continue collaborating with the Department of the Navy to ensure regular maintenance dredging of the Kennebec.

Lake Okeechobee, Florida.—The Corps is encouraged to use the best available science and appropriately weigh the concerns of all water users to ensure the ecosystem is preserved, water supply for the eight million residents in South Florida is maintained, and the safety of all residents of the region is upheld.

Lake Providence Harbor, Louisiana.—The agreement reiterates House direction.

Lake Sakakawea & Lake Oahe Recreation Facilities.—There is support for the coordinated efforts by the Corps with state and local stakeholders to maintain recreational areas and related infrastructure at mainstem Missouri River reservoirs during drought conditions. However, there is disappointment in the fact that the Corps has not provided a long-term plan to restore and maintain recreational facilities near Lake Sakakawea and Lake Oahe as recommended in fiscal year 2020. The Corps is directed to report not later than 60 days after enactment of this Act with a plan that identifies funding sources to address the deferred maintenance backlog in these areas and repair boat ramps and access roads to these facilities.

Levee Safety.—The agreement provides additional funding for the National (Levee) Flood Inventory, including \$3,150,000 to expedite work on non-federal levees in meeting the requirements of section 131 of WRDA of 2020. The Corps is directed to provide to the Committees not later than 30 days after enactment of this Act a briefing on this effort. In fiscal year 2020, Congress provided \$15,000,000 to implement levee safety initiatives to meet the requirements under section 3016 of WRRDA of 2014. These funds are sufficient to complete Phase II activities. The Corps is directed to provide to the Committees not later than 30 days after enactment of this Act a briefing on the status of these activities and activities associated with section 3016 of WRRDA of 2014, including any additional funding needs identified to complete and a timeline for implementation of the next phase.

Missouri River Operations.—The Corps intends to conduct a test flow regarding releases of water from the Missouri River mainstem dams in the future. The Corps is directed to provide to the Committees not later than 30 days prior to such a release a report that includes 1) the rationale for conducting such a test flow; 2) the expected implications for water access along the Missouri River; and 3) steps the Corps has taken to reduce or mitigate the effects of a test flow on water access.

Mobile Bay Beneficial Use of Dredged Material.—The Corps is encouraged to examine beneficial uses of dredged material in Mobile Bay, Alabama.

Monitoring of Completed Navigation Projects, Fisheries.—There is concern that a reduction in or elimination of navigational lock operations on the nation's inland waterways is having a negative impact on river ecosystems, particularly the ability of endangered, threatened, and game fish species to migrate through waterways, particularly during critical spawning periods. Preliminary research successfully indicates that reduced lock operations on certain Corps-designated low-use waterways are directly impacting migration and that there are effective means to mitigate the impacts. Maximizing the ability of

fish to use these locks to move past the dams has the potential to restore natural and historic long-distance river migrations that may be critical to species survival.

Within available funds for ongoing work, the Corps is directed to continue this research at not less than the fiscal year 2022 level. The agreement provides \$4,000,000 to expand the research to assist the Corps across all waterways, lock structures, lock operation methods, and fish species that will more fully inform the Corps' operations. Additionally, the agreement provides \$2,000,000 for the NICE effort by the Corps to expand, on a national basis, the ongoing research on the impact of reduced lock operations on riverine fish.

Monitoring of Completed Navigation Projects, Structural Health Monitoring.—The agreement provides \$4,000,000 to support the structural health monitoring program to facilitate research to maximize operations, enhance efficiency, and protect asset life through catastrophic failure mitigation.

Mount St. Helens Sediment Monitoring.—The Corps is encouraged to include appropriate funding for sediment monitoring activities in future budget submissions.

National Coastal Mapping Program.—The agreement provides \$5,000,000 for Arctic coastal mapping needs. The Corps has responsibility for some mapping but, in general, does not include shoreline. Before the Corps obligates funds to map shoreline in Alaska, the Assistant Secretary of the Army for Civil Works shall provide notice to the Committees. The notice shall include certification that the effort is coordinated with NOAA and complements those efforts.

Okatibbee Lake, Mississippi.—The agreement reiterates House direction.

Ohio Harbors.—The Corps is reminded that the Toledo, Huron, Port Clinton, Lorain, and Sandusky Harbors are eligible to compete for additional funding in this account.

Performance Based Budgeting Support Program.—Of the funding provided for this remaining item, \$3,500,000 shall be used to support performance-based methods that enable robust budgeting of the hydropower program through better understanding of operation and maintenance impacts leveraging data analytics.

Recreational Facilities.—The Corps is directed to provide to the Committees not later than 30 days after enactment of this Act a report including an analysis of current lease terms and the effects these terms have on concessionaire financing.

Regional Dredge Contracting.—In accordance with section 1111 of AWIA and the Gulf Coast Regional Dredge Demonstration Program established by Public Law 116–94, the Corps is encouraged to enter into regional contracts to support increased efficiencies in the deployment of dredges for all civil works mission sets, prioritizing deep draft navigational projects.

Regional Sediment Management.—The agreement provides \$4,000,000 to develop integrated tools that build coastal resilience across navigation, flood risk management, and ecosystem projects within the program, integrate existing and emerging physical coastal processing tools that focus on sediment management, and apply optimization principles to placement in order to gain greater value and benefit from dredged sediments, particularly for Civil Works business lines and missions. The Corps is directed to

conduct a study and provide a report to the Committees not later than one year after enactment of this Act on how the Corps could apply dredged sediments to better increase coastal resilience and what resources are needed to implement these practices. Additionally, the agreement provides \$600,000 for cooperation and coordination with the Great Lakes states to develop sediment transport models for Great Lakes tributaries that discharge to federal navigation channels.

Response to Climate Change at Corps Projects.—The agreement provides \$2,000,000 to update policies to enhance the consideration of benefit categories equally and improve efforts to identify and consider impacts to disadvantaged, rural/urban, tribal, and other minority communities throughout the Corps planning and decision-making processes.

Small, Remote, or Subsistence Harbors.—The agreement emphasizes the importance of ensuring that our country's small and low-use ports remain functional. The Corps is urged to consider expediting scheduled maintenance at small and low use ports that have experienced unexpected levels of deterioration since their last dredging. There is concern that the Administration's criteria for navigation maintenance disadvantage small, remote, or subsistence harbors and waterways from competing for scarce navigation maintenance funds. The Corps is directed to revise the criteria used for determining which navigation maintenance projects are funded and to develop a reasonable and equitable allocation under the Operation and Maintenance account. There is support for including criteria to evaluate economic impact that these projects provide to local and regional economies.

Stakeholder Engagement.—The agreement reiterates House direction.

Tampa Harbor, Florida.—The agreement reiterates House direction.

Tangier Island, Beneficial Use.—Additional funding recommended for Baltimore Harbor and Channels (50 foot) project is for environmental coordination as well as plans and specifications to add Tangier Island as a beneficial use placement site for dredged material.

Tenkiller Ferry Lake.—The Corps' effort to use flows out of the surge tank to feed the fishery downstream of the Tenkiller Ferry Lake is encouraging, and the Corps is strongly encouraged to complete the assessment as soon as possible.

Tuttle Creek Lake, KS.—The additional funding provided is for Water Injection Dredging efforts.

Upper St. Anthony Falls, Minnesota.—The Corps is reminded that the Upper St. Anthony Falls project remains an authorized federal project and is encouraged to continue to operate and maintain the lock and keep it in a state of good repair. There is concern that the Corps is attempting to divest the entire federal project at once without a willing non-federal partner for the disposition study. The Corps is directed to continue the disposition study at full federal expense.

Walter F. George, George W. Andrews, and Jim Woodruff Locks and Dams.—The Corps is reminded that repair and maintenance needs for the Walter F. George Lock and Dam, the George W. Andrews Lock and Dam, and the Jim Woodruff Lock and Dam are eligible to compete for additional funding provided in this account and is encouraged to include appropriate funding for these activities in future budget submissions. The Corps is directed to provide to the Committees not later than 60 days after

enactment of this Act a briefing on these projects and the status of dredging in the lower Apalachicola River.

Water Control Manuals.—The Corps is encouraged to continue to update water control manuals across its projects. The agreement provides additional funding of \$5,700,000 in this account for other authorized project purposes, for water control manual updates at projects located in states where a Reclamation facility is also located, in regions where FIRO projects exist, and where atmospheric rivers cause flood damages. The agreement also provides \$1,000,000 of additional funding provided in this account for other authorized project purposes to expand the scope of the water control manual update prioritization report funded in fiscal year 2020 to other projects within the Corps portfolio to ensure that actions being conducted for water control manual updates and incorporation of FIRO-based principles are properly aligned with one another.

Water Control Manuals, Section 7 Dams.—The agreement provides \$2,200,000 of additional funding provided in this account for other authorized project purposes to update water control manuals for non-Corps owned high hazard dams where: (1) the Corps has a responsibility for flood control operations under section 7 of the Flood Control Act of 1944; (2) the dam requires coordination of water releases with one or more other high-hazard dams for flood control purposes; and (3) the dam owner is actively investigating the feasibility of applying FIRO technology.

Water Operations Technical Support (WOTS).—The agreement provides \$5,000,000 in addition to the budget request to continue developing and incorporating improved weather forecasting for Corps reservoirs and waterway projects through the multiagency, multidisciplinary FIRO research effort by completing Phase 2 and starting Phase 3. The Corps is encouraged to consider applying FIRO to additional section 7 dams, including the Seven Oaks Dam in California.

REGULATORY PROGRAM

The agreement includes \$218,000,000 for the Regulatory Program. Funds above the budget request are included to address capacity needs across the Corps related to staffing shortages in Corps districts. The Corps is encouraged to budget appropriately in order to process permits in a timely fashion.

Chehalis Basin.—The agreement reiterates House direction.

Mitigation Banking.—The Corps is encouraged to ensure sufficient staffing levels to efficiently and expeditiously process mitigation bank applications.

Permit Application Backlogs.—The agreement reiterates House direction. The Corps is directed to provide to the Committees not later than 90 days after enactment of this Act a report on staffing levels and permit backlogs in each of the last five years, as well as a plan for rectifying the staffing shortages. The Corps is directed to brief the Committees on the results of the report upon completion.

Shellfish Permitting.—The Corps is encouraged to work with Clean Water Act enforcing agencies to uphold a fair permitting system that protects the nation's waters and balances the needs of the economy and communities.

FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM

The agreement includes \$400,000,000 for the Formerly Utilized Sites Remedial Action Program.

FLOOD CONTROL AND COASTAL EMERGENCIES

The agreement includes \$35,000,000 for Flood Control and Coastal Emergencies. As the nation experiences severe weather events more frequently, the agreement notes appreciation for the work the Corps undertakes with this funding. The Administration is reminded that traditionally, funding for disaster response has been provided in supplemental appropriations legislation, including recently in 2021 (Public Law 117-43), and that amounts necessary to address damages at Corps projects in response to natural disasters can be significant. The Administration is again reminded that it has been deficient in providing to the Committees detailed estimates of damages to Corps projects as required by Public Law 115-123 and shall submit such report not later than 15 days after enactment of this Act and monthly thereafter.

EXPENSES

The agreement includes \$215,000,000 for Expenses.

Additional funds recommended in this account shall be used to support implementation of the Corps' Civil Works program, including hiring additional full-time equivalents. This includes developing and issuing policy guidance; managing Civil Works program; and providing national coordination of and participation in forums and events within headquarters, the division offices, and meeting other enterprise requirements and operating expenses. The Corps is encouraged to pursue updating the 2011 U.S. Army Manpower Analysis Agency staffing analysis based on current Civil Works needs.

OFFICE OF THE ASSISTANT SECRETARY OF THE ARMY FOR CIVIL WORKS

The agreement includes \$5,000,000 for the Office of the Assistant Secretary of the Army for Civil Works. The agreement includes legislative language that restricts the availability of 25 percent of the funding provided in this account until such time as at least 95 percent of the additional funding provided in each account has been allocated to specific programs, projects, or activities. This restriction shall not affect the roles and responsibilities established in previous fiscal years of the Office of the Assistant Secretary of the Army for Civil Works, the Corps headquarters, the Corps field operating agencies, or any other executive branch agency.

A timely and accessible executive branch in the course of fulfilling its constitutional role in the appropriations process is essential. The requesting and receiving of basic, factual information, such as budget justification materials, is vital in order to maintain a transparent and open governing process. The

agreement recognizes that some discussions internal to the executive branch are pre-decisional in nature and, therefore, not subject to disclosure. However, the access to facts, figures, and statistics that inform these decisions are not subject to this same sensitivity and are critical to the budget process. The Administration shall ensure timely and complete responses to these inquiries.

Administrative Costs.—To support additional transparency in project costs, the Secretary is directed to ensure that future budget requests specify the amount of anticipated administrative costs for individual projects.

WATER INFRASTRUCTURE FINANCE AND INNOVATION PROGRAM ACCOUNT

The agreement provides \$7,200,000 for the Water Infrastructure Finance and Innovation Program Account. Funds are provided for program development, administration, and oversight, including but not limited to finalizing the proposed rule, and publishing the Notice of Funding Availability. The Administration is strongly encouraged to expeditiously finalize efforts to stand up the program to provide the financial assistance envisioned in the legislation. The Corps is directed to provide to the Committees not later than 30 days after enactment of this Act a briefing on the status of this effort and opportunities to expand this program in the future, to include levees.

GENERAL PROVISIONS—CORPS OF ENGINEERS—CIVIL
(INCLUDING TRANSFER OF FUNDS)

The agreement includes a provision relating to reprogramming.

The agreement includes a provision regarding the allocation of funds.

The agreement includes a provision prohibiting the use of funds to carry out any contract that commits funds beyond the amounts appropriated for that program, project, or activity.

The agreement includes a provision funding transfers to the Fish and Wildlife Service.

The agreement includes a provision regarding certain dredged material disposal activities. The Corps is directed to brief the Committees not later than 90 days after enactment of this Act on dredged material disposal issues.

The agreement includes a provision regarding reallocations at a project.

The agreement includes a provision prohibiting the use of funds in this Act for reorganization of the Civil Works program. Nothing in this Act prohibits the Corps from contracting with the National Academy of Sciences to carry out the study authorized by section 1102 of AWIA.

The agreement includes a provision regarding eligibility for additional funding. Whether a project is eligible for funding under a particular provision of additional funding is a function of the technical details of the project; it is not a policy decision. The Chief of Engineers is the federal government's technical expert responsible for execution of the Civil Works program and for offering professional advice on its development. Therefore, the provision in this agreement clarifies that a project's eligibility for additional funding shall be solely the professional determination of the Chief of Engineers.

TITLE II---DEPARTMENT OF THE INTERIOR

CENTRAL UTAH PROJECT

CENTRAL UTAH PROJECT COMPLETION ACCOUNT

The agreement includes a total of \$23,000,000 for the Central Utah Project Completion Account, which includes \$16,400,000 for Central Utah Project construction, \$5,000,000 for transfer to the Utah Reclamation Mitigation and Conservation Account for use by the Utah Reclamation Mitigation and Conservation Commission, and \$1,600,000 for necessary expenses of the Secretary of the Interior. The agreement allows up to \$1,880,000 for the Commission's administrative expenses. This allows the Department of the Interior to develop water supply facilities that will continue to sustain economic growth and an enhanced quality of life in the western states, the fastest growing region in the United States. The agreement notes commitment to complete the Central Utah Project, which would enable the project to initiate repayment to the federal government.

BUREAU OF RECLAMATION

In lieu of all House direction regarding additional funding and the fiscal year 2023 work plan, the agreement includes direction under the heading "Additional Funding for Ongoing Work" in the Water and Related Resources account. Reclamation shall provide not later than 120 days after enactment of this Act a quarterly report to the Committees, which includes the total budget authority and unobligated balances by year for each program, project, or activity, including any prior year appropriations.

WATER AND RELATED RESOURCES (INCLUDING TRANSFERS OF FUNDS)

The agreement provides \$1,787,151,000 for Water and Related Resources.

The agreement for Water and Related Resources is shown in the following table:

~~[INSERT TABLE]~~

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WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
ARIZONA						
COLORADO RIVER BASIN - CENTRAL ARIZONA PROJECT	18,335	653	18,988	18,335	653	18,988
COLORADO RIVER FRONT WORK AND LEVEE SYSTEM	2,315	---	2,315	2,315	---	2,315
SALT RIVER PROJECT	704	319	1,023	704	319	1,023
YUMA AREA PROJECTS	890	22,962	23,852	890	22,962	23,852
CALIFORNIA						
CACHUMA PROJECT	920	1,409	2,329	920	1,409	2,329
CENTRAL VALLEY PROJECT						
AMERICAN RIVER DIVISION	2,021	11,057	13,078	2,021	11,057	13,078
AUBURN-FOLSOM SOUTH UNIT	102	2,527	2,629	102	2,527	2,629
DELTA DIVISION	2,559	6,807	9,366	2,559	6,807	9,366
EAST SIDE DIVISION	1,198	3,217	4,415	1,198	3,217	4,415
ENVIRONMENTAL COMPLIANCE AND ECOSYSTEM DEVELOPMENT	49,899	---	49,899	55,994	---	55,994
SAN JOAQUIN VALLEY DROUGHT RELIEF	---	---	---	(6095)	---	(6095)
FRIANT DIVISION	1,431	3,783	5,214	2,181	3,783	5,964
SAN JOAQUIN VALLEY WATER COLLABORATIVE ACTION PROGRAM	---	---	---	(750)	---	(750)
SAN JOAQUIN RIVER RESTORATION	20,500	---	20,500	20,500	---	20,500
MISCELLANEOUS PROJECT PROGRAMS	13,576	371	13,947	13,576	371	13,947
REPLACEMENT, ADDITIONS, AND EXTRAORDINARY MAINTENANCE (RAX)	---	27,481	27,481	---	27,481	27,481
SACRAMENTO RIVER DIVISION	962	730	1,692	8,821	730	9,551
SACRAMENTO RIVER BASIN FLOOD PLAIN REACTIVATION	---	---	---	(7,859)	---	(7,859)
SAN FELIPE DIVISION	130	71	201	130	71	201
SHASTA DIVISION	493	11,618	12,111	493	11,618	12,111
TRINITY RIVER DIVISION	11,601	5,805	17,406	11,601	5,805	17,406
WATER AND POWER OPERATIONS	1,298	16,944	18,242	1,298	16,944	18,242
WEST SAN JOAQUIN DIVISION, SAN LUIS UNIT	2,615	9,341	11,956	2,615	9,341	11,956
ORLAND PROJECT	---	918	918	---	918	918
SALTON SEA RESEARCH PROJECT	2,002	---	2,002	2,002	---	2,002
SAN GABRIEL BASIN RESTORATION FUND	---	---	---	10,000	---	10,000
SOLANO PROJECT	1,200	3,791	4,991	1,200	3,791	4,991

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
VENTURA RIVER PROJECT	331	44	375	1,831	44	1,875
ROBLES DIVERSION IMPROVEMENT PROJECT	---	---	---	(1,500)	---	(1,500)
COLORADO						
ARMEL UNIT, P-SMBP	15	479	494	15	479	494
COLLBRAN PROJECT	149	2,745	2,894	149	2,745	2,894
COLORADO-BIG THOMPSON PROJECT	160	18,188	18,348	160	18,188	18,348
FRUITGROWERS DAM PROJECT	67	192	259	67	192	259
FRYPAN-ARKANSAS PROJECT	76	10,387	10,463	76	10,387	10,463
FRYPAN-ARKANSAS, ARKANSAS VALLEY CONDUIT	10,059	---	10,059	10,059	---	10,059
GRAND VALLEY PROJECT	245	155	400	245	155	400
GRAND VALLEY UNIT, CRBSCP, TITLE II	14	1,758	1,772	14	1,758	1,772
LEADVILLE/ARKANSAS RIVER RECOVERY PROJECT	---	13,891	13,891	---	13,891	13,891
MANCOS PROJECT	93	259	352	93	259	352
NARROWS UNIT, P-SMBP	---	33	33	---	33	33
PARADOX VALLEY UNIT	37	2,970	3,007	37	2,970	3,007
PINE RIVER PROJECT	158	258	416	158	258	416
SAN LUIS VALLEY, CLOSED BASIN	1,113	2,957	4,070	1,113	2,957	4,070
SAN LUIS VALLEY PROJECT, CONEJOS DIVISION	10	21	31	10	21	31
UNCOMPAHGRE PROJECT	716	171	887	716	171	887
IDAHO						
BOISE AREA PROJECTS	3,233	2,930	6,163	3,233	2,930	6,163
COLUMBIA AND SNAKE RIVER SALMON RECOVERY PROJECT	13,329	---	13,329	13,329	---	13,329
LEWISTON ORCHARDS PROJECT	1,378	17	1,395	1,378	17	1,395
MINIDOKA AREA PROJECTS	2,962	5,082	8,044	2,962	5,082	8,044
PRESTON BENCH PROJECT	18	33	51	18	33	51

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
KANSAS						
ALMENA UNIT, P-SMBP	18	525	543	18	525	543
BOSTWICK DIVISION, P-SMBP	100	1,185	1,285	100	1,185	1,285
CEDAR BLUFF UNIT, P-SMBP	14	506	520	14	506	520
GLEN ELDER UNIT, P-SMBP	17	8,238	8,255	17	8,238	8,255
KANSAS RIVER AREA, P-SMBP	---	228	228	---	228	228
KIRWIN UNIT, P-SMBP	28	414	442	28	414	442
WEBSTER UNIT, P-SMBP	18	3,048	3,066	18	3,048	3,066
WICHITA, CHENEY DIVISION	38	378	416	38	378	416
WICHITA, EQUUS BEDS DIVISION	2,010	---	2,010	2,010	---	2,010
MONTANA						
CANYON FERRY UNIT, P-SMBP	190	8,590	8,780	190	8,590	8,780
EAST BENCH UNIT, P-SMBP	162	670	832	162	670	832
HELENA VALLEY UNIT, P-SMBP	52	243	295	52	243	295
HUNGRY HORSE PROJECT	---	761	761	---	761	761
HUNTLEY PROJECT	38	35	73	38	35	73
LOWER MARIAS UNIT, P-SMBP	86	1,682	1,768	86	1,682	1,768
LOWER YELLOWSTONE PROJECT	1,058	23	1,081	1,058	23	1,081
MILK RIVER/ST MARY DIVERSION REHABILITATION PROJECT	551	3,361	3,912	551	3,361	3,912
MISSOURI BASIN UNIT, P-SMBP	1,027	131	1,158	1,027	131	1,158
ROCKY BOYS/NORTH CENTRAL MT RURAL WATER SYSTEM	8,761	---	8,761	8,761	---	8,761
SUN RIVER PROJECT	107	437	544	107	437	544
YELLOWTAIL UNIT, P-SMBP	105	9,902	10,007	105	9,902	10,007
NEBRASKA						
AINSWORTH UNIT, P-SMBP	32	95	127	32	95	127
FRENCHMAN-CAMBRIDGE DIVN, P-SMBP	169	2,318	2,487	169	2,318	2,487
MIRAGE FLATS PROJECT	26	109	135	26	109	135

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
NORTH LOUP DIVISION, P-SMBP	49	169	218	49	169	218
NEVADA						
LAHONTAN BASIN PROJECT	5,496	5,817	11,313	5,496	5,817	11,313
LAKE TAHOE REGIONAL DEVELOPMENT PROGRAM	115	---	115	115	---	115
LAKE MEAD/LAS VEGAS WASH PROGRAM	598	---	598	6,598	---	6,598
NEW MEXICO						
CARLSBAD PROJECT	2,582	4,429	7,011	2,582	4,429	7,011
EASTERN NEW MEXICO WATER SUPPLY-UTE RESERVOIR	4,626	---	4,626	4,626	---	4,626
MIDDLE RIO GRANDE PROJECT	19,143	13,576	32,719	19,143	13,576	32,719
RIO GRANDE PROJECT	4,835	6,177	11,012	4,835	6,177	11,012
RIO GRANDE PUEBLOS	3,011	---	3,011	3,011	---	3,011
TUCUMCARI PROJECT	15	5	20	15	5	20
NORTH DAKOTA						
DICKINSON UNIT, P-SMBP	---	686	686	---	686	686
GARRISON DIVERSION UNIT, P-SMBP	14,823	19,045	33,868	14,823	19,045	33,868
HEART BUTTE UNIT, P-SMBP	127	1,277	1,404	127	1,277	1,404
OKLAHOMA						
ARBUCKLE PROJECT	28	307	335	28	307	335
McGEE CREEK PROJECT	39	922	961	39	922	961
MOUNTAIN PARK PROJECT	33	586	619	33	586	619
NORMAN PROJECT	51	472	523	51	472	523
WASHITA BASIN PROJECT	72	1,282	1,354	72	1,282	1,354
W. C. AUSTIN, ALTUS DAM	39	2,046	2,085	39	2,046	2,085

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
OREGON						
CROOKED RIVER PROJECT	456	451	907	656	451	1,107
CROOKED RIVER WATER QUALITY AND SUPPLY STUDY	---	---	---	(200)	---	(200)
DESCHUTES PROJECT	407	231	638	407	231	638
EASTERN OREGON PROJECTS	773	261	1,034	773	261	1,034
KLAMATH PROJECT	30,522	4,320	34,842	30,522	4,320	34,842
ROGUE RIVER, TALENT DIVISION	409	1,077	1,486	409	1,077	1,486
TUALATIN PROJECT	418	466	884	418	466	884
UMATILLA PROJECT	560	3,115	3,675	560	3,115	3,675
SOUTH DAKOTA						
ANGOSTURA UNIT, P-SMBP	180	771	951	180	771	951
BELLE FOURCHE UNIT, P-SMBP	95	1,635	1,730	95	1,635	1,730
KEYHOLE UNIT, P-SMBP	282	819	1,101	282	819	1,101
LEWIS AND CLARK RURAL WATER SYSTEM, IA, MN, SD	6,601	---	6,601	18,601	---	18,601
MID-DAKOTA RURAL WATER PROJECT	---	9	9	9	---	9
MNI WICONI PROJECT	---	20,021	20,021	---	20,021	20,021
OAHE UNIT, P-SMBP	---	80	80	---	80	80
RAPID VALLEY PROJECT	---	119	119	---	119	119
RAPID VALLEY UNIT, P-SMBP	---	281	281	---	281	281
SHADEHILL UNIT, P-SMBP	184	714	898	184	714	898
TEXAS						
BALMORHEA PROJECT	3	---	3	3	---	3
CANADIAN RIVER PROJECT	32	101	133	32	101	133
LOWER RIO GRANDE WATER CONSERVATION PROJECT	2,010	---	2,010	2,210	---	2,210
FRANKLIN CANAL CONCRETE LINING PROJECT	---	---	---	(100)	---	(100)
RIVERSIDE CANAL CONCRETE LINING PROJECT	---	---	---	(100)	---	(100)
NUECES RIVER PROJECT	46	1,158	1,204	46	1,158	1,204

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
SAN ANGELO PROJECT	36	606	642	36	606	642
UTAH						
HYRUM PROJECT	488	226	714	488	226	714
MOON LAKE PROJECT	16	134	150	16	134	150
NEWTON PROJECT	322	200	522	322	200	522
OGDEN RIVER PROJECT	509	319	828	509	319	828
PROVO RIVER PROJECT	2,869	825	3,694	2,869	825	3,694
SANPETE PROJECT	74	18	92	74	18	92
SCOFIELD PROJECT	177	198	375	177	198	375
STRAWBERRY VALLEY PROJECT	804	60	864	804	60	864
WEBER BASIN PROJECT	1,900	991	2,891	1,900	991	2,891
WEBER RIVER PROJECT	696	284	980	696	284	980
WASHINGTON						
COLUMBIA BASIN PROJECT	10,720	10,300	21,020	10,720	10,300	21,020
WASHINGTON AREA PROJECTS	717	76	793	717	76	793
YAKIMA PROJECT	1,767	16,222	17,989	1,767	16,222	17,989
YAKIMA RIVER BASIN WATER ENHANCEMENT PROJECT	50,254	---	50,254	50,254	---	50,254
WYOMING						
BOYSEN UNIT, P-SMBP	28	2,488	2,516	28	2,488	2,516
BUFFALO BILL DAM, DAM MODIFICATION, P-SMBP	9	5,989	5,998	9	5,989	5,998
KENDRICK PROJECT	19	4,137	4,156	19	4,137	4,156
NORTH PLATTE PROJECT	93	2,804	2,897	93	2,804	2,897
NORTH PLATTE AREA O/M, P-SMBP	121	10,538	10,659	121	10,538	10,659
OWL CREEK UNIT, P-SMBP	4	122	126	4	122	126
RIVERTON UNIT, P-SMBP	12	771	783	12	771	783

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
SHOSHONE PROJECT	34	1,297	1,331	34	1,297	1,331
 SUBTOTAL, PROJECTS	 353,850	 386,283	 740,133	 398,463	 386,274	 784,737
 REGIONAL PROGRAMS						
ADDITIONAL FUNDING FOR ONGOING WORK:						
RURAL WATER	---	---	---	50,000	---	50,000
FISH PASSAGE AND FISH SCREENS	---	---	---	11,000	---	11,000
SACRAMENTO RIVER FISH SCREEN PROGRAM	---	---	---	(1,734)	---	(1,734)
WATER CONSERVATION AND DELIVERY	---	---	---	229,255	---	229,255
ENVIRONMENTAL RESTORATION OR COMPLIANCE	---	---	---	31,000	---	31,000
FACILITIES OPERATION, MAINTENANCE, AND REHABILITATION	---	---	---	4,000	---	4,000
AGING INFRASTRUCTURE	---	500	500	---	500	500
AQUATIC ECOSYSTEM RESTORATION PROGRAM	500	---	500	5,000	---	5,000
COLORADO RIVER COMPLIANCE ACTIVITIES	21,400	---	21,400	21,400	---	21,400
COLORADO RIVER BASIN SALINITY CONTROL PROJECT , TITLE I	713	19,561	20,274	713	19,561	20,274
COLORADO RIVER BASIN SALINITY CONTROL PROJECT, TITLE II, BASINWIDE	6,003	---	6,003	6,003	---	6,003
COLORADO RIVER STORAGE PROJECT (CRSP), SECTION 5	3,192	7,005	10,197	3,192	7,005	10,197
COLORADO RIVER STORAGE PROJECT (CRSP), SECTION 8	3,584	---	3,584	3,584	---	3,584
COLORADO RIVER WATER QUALITY IMPROVEMENT PROJECT	748	---	748	748	---	748
DAM SAFETY PROGRAM						
DEPARTMENT DAM SAFETY PROGRAM	---	1,303	1,303	---	1,303	1,303
INITIATE SAFETY OF DAMS CORRECTIVE ACTION	---	182,561	182,561	---	182,561	182,561
SAFETY EVALUATION OF EXISTING DAMS	---	26,354	26,354	---	26,354	26,354
ENDANGERED SPECIES RECOVERY IMPLEMENTATION PROGRAM						
ENDANGERED SPECIES RECOVERY IMPLEMENTATION PROGRAM (Bureauwide)	2,584	---	2,584	2,584	---	2,584
ENDANGERED SPECIES RECOVERY IMPLEMENTATION PROGRAM (Platte River)	3,451	---	3,451	3,451	---	3,451
ENDANGERED SPEC RECOVERY IMPL PROGR (Upper Colo & San Juan Riv Basins)	7,655	---	7,655	7,655	---	7,655
EMERGENCY PLANNING & DISASTER RESPONSE PROGRAM	---	1,261	1,261	---	1,261	1,261
ENVIRONMENTAL PROGRAM ADMINISTRATION	1,933	---	1,933	1,933	---	1,933
EXAM OF EXISTING STRUCTURES	---	11,334	11,334	---	11,334	11,334
GENERAL PLANNING STUDIES	2,388	---	2,388	2,388	---	2,388

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
LAND RESOURCES MANAGEMENT PROGRAM	18,074	---	18,074	18,074	---	18,074
LOWER COLORADO RIVER OPERATIONS PROGRAM	46,804	---	46,804	46,804	---	46,804
MISCELLANEOUS FLOOD CONTROL OPERATIONS	---	958	958	---	958	958
NATIVE AMERICAN AFFAIRS PROGRAM	20,042	---	20,042	20,042	---	20,042
NEGOTIATION & ADMINISTRATION OF WATER MARKETING	2,345	---	2,345	2,345	---	2,345
OPERATION AND PROGRAM MANAGEMENT	839	5,354	6,193	839	5,354	6,193
POWER PROGRAM SERVICES	4,700	312	5,012	4,700	312	5,012
PUBLIC ACCESS AND SAFETY PROG	605	1,115	1,720	605	1,115	1,720
PUBLIC RISK/LAW ENFORCEMENT - SITE SECURITY	---	27,350	27,350	---	27,350	27,350
RECREATION & FISH & WILDLIFE PROGRAM ADMINISTRATION	5,176	---	5,176	5,176	---	5,176
RECLAMATION LAW ADMINISTRATION	1,119	---	1,119	1,119	---	1,119
RESEARCH AND DEVELOPMENT:						
DESALINATION AND WATER PURIFICATION PROGRAM	4,053	1,666	5,719	16,053	1,666	17,719
SCIENCE AND TECHNOLOGY PROGRAM	19,547	---	19,547	25,922	---	25,922
AMERICAN RIVER BASIN HYDROLOGIC OBSERVATORY WIRELESS SENSOR NETWORK PROJECT, CA	---	---	---	(875)		(875)
UNITED STATES/MEXICO BORDER ISSUES - TECHNICAL SUPPORT	81	---	81	81	---	81
UPPER COLO RIVER OPERATION PROGRAM	3,708	---	3,708	3,708	---	3,708
WATERSMART PROGRAM:						
WATERSMART GRANTS	13,690	---	13,690	65,000	---	65,000
WATER CONSERVATION FIELD SERVICES PROGRAM	3,389	---	3,389	3,389	---	3,389
COOPERATIVE WATERSHED MANAGEMENT	2,254	---	2,254	5,000	---	5,000
BASIN STUDIES	15,017	---	15,017	15,017	---	15,017
DROUGHT RESPONSES & COMPREHENSIVE DROUGHT PLANS	24,009	---	24,009	38,000	---	38,000
TITLE XVI WATER RECLAMATION & REUSE PROGRAM	4,006	---	4,006	60,000	---	60,000
 SUBTOTAL, REGIONAL PROGRAMS	 243,609	 286,634	 530,243	 715,780	 286,634	 1,002,414
 TOTAL, WATER AND RELATED RESOURCES	 597,459	 672,917	 1,270,376	 1,114,243	 672,908	 1,787,151

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 advancing and completing ongoing work, including preconstruction activities and where environmental compliance has been completed; improving water supply reliability; improving water deliveries; enhancing national, regional, or local economic development; promoting job growth; advancing tribal and non-tribal water settlement studies and activities; or addressing 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 \$17,500,000 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.

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 or as set forth in federal-state plans for restoring threatened and endangered fish species affected by the operation of Reclamation’s water projects.

Reclamation is directed to provide to the Committees not later than 45 days after enactment of this Act a report delineating how these funds 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 the following activities are eligible to compete for funding under the appropriate heading: activities authorized under Indian Water Rights Settlements; aquifer recharging efforts

to address the ongoing backlog of related projects; all authorized rural water projects, including those with tribal components, those with non-tribal components, and those with both; conjunctive use projects and other projects to maximize groundwater storage and beneficial use; ongoing work, including preconstruction activities, on projects that provide new or existing water supplies through additional infrastructure; the last two remaining priority unscreened diversions on the Sacramento River and high priority diversions in the San Joaquin River Basin; and activities authorized under section 206 of Public Law 113–235.

Aging Infrastructure Account.—The agreement does not support allowing increases or decreases in transfer amounts at this time. Reclamation is directed to provide to the Committees a report detailing implementation plans for this program.

Aquatic Ecosystem Restoration Program.—Reclamation is directed to provide to the Committees not later than 30 days after enactment of this Act a briefing on the plan to implement this program.

Aquifer Recharge.—Reclamation is directed to work closely with project beneficiaries to identify and resolve any barriers to aquifer recharge projects when appropriate while utilizing full authority to prioritize funds for ongoing projects through completion. Of the additional funds provided in this account, \$20,000,000 shall be for Aquifer Storage and Recovery projects focused on ensuring sustainable water supply and protecting water quality of aquifers in the Great Plains Region with shared or multi-use aquifers, for municipal, agricultural irrigation, industrial, recreation, and domestic users.

Calfed Water Storage Feasibility Studies.—Reclamation is strongly encouraged to expeditiously complete financial assistance projects requested by non-federal sponsors of the Calfed water storage projects that have been under study for over a decade.

Columbia Basin Project.—Reclamation is urged to move forward to implement the Odessa Groundwater Replacement Program to provide farmlands in Central and Eastern Washington with surface water supply through operational changes in the storage and delivery system.

Drought Contingency Plans.—Reclamation is encouraged to provide sufficient funding for activities that support drought contingency plans to conserve water and reduce risks from ongoing drought for the Upper and Lower Colorado River basins.

Friant-Kern Canal.—The Secretary is encouraged to include funding in future budget submissions for construction activities related to projects found to be feasible by the Secretary and which are ready to initiate repairs. Reclamation canals where operational conveyance capacity has been seriously impaired by factors such as age or land subsidence, especially those that would imminently jeopardize water delivery obligations, should be prioritized.

Klamath Basin Project.—Reclamation is encouraged to continue to collaborate on agreements with state agencies to support groundwater monitoring efforts in the Klamath Basin.

Lake Powell.—Reclamation is encouraged to work closely with relevant stakeholders as the current severe drought situation develops.

Municipal Water Districts.—Reclamation is encouraged to fully consider water districts that supply water to municipalities when developing work plans.

Research and Development: Desalination and Water Purification Program.—Of the funding provided for this program, \$12,000,000 shall be for desalination projects as authorized in section 4009(a) of the WIIN Act.

Research and Development: Science and Technology Program: Airborne Snow Observatory Program.—The agreement provides an additional \$4,000,000 for this program, which advances snow and water supply forecasting, of which at least \$1,500,000 shall be to implement this research at projects.

Research and Development: Science and Technology Program: Snow Modeling Data Processing.—The agreement provides an additional \$1,500,000 to support Reclamation's efforts to support the U.S. Department of Agriculture and NOAA's efforts to improve real-time and derived snow water equivalent information such that it can be immediately used for water resources decision-making.

Rural Water Projects.—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.

Rural Water Project—Dry-Redwater, Montana.—Reclamation is strongly encouraged to engage with the Dry-Redwater Regional Water Authority to complete the feasibility study for the project authorized in PL 116–260.

Salton Sea.—The agreement reiterates House direction.

Salton Sea Restoration.—Reclamation is encouraged to partner with federal, state, and local agencies and coordinate use of all existing authorities and funding sources to support the State of California's Salton Sea Management Program and reduce the likelihood of severe health and environmental impacts and to include appropriate funding for these efforts in future budget submissions.

San Joaquin River Restoration.—Permanent appropriations should not supplant continued annual appropriations. Reclamation is encouraged to include adequate funding in future budget requests.

St. Mary's Diversion Dam and Conveyance Works.—Reclamation is urged to continue working with local stakeholders to complete its ability to pay study for the rehabilitation of the St. Mary's Diversion Dam. Further, Reclamation is encouraged to complete its work to develop a Milk River Project model as expeditiously as possible.

Tualatin Project, Scoggins Dam, Oregon.—Reclamation is urged to expediently complete the dam safety modification report.

Water Treatment Pilots.—Reclamation is encouraged to look for innovative and cost-effective ways to evaluate treatment solutions in advance of significant infrastructure investments, including pilots for water treatment projects.

WaterSMART Program: Drought Responses & Comprehensive Drought Plans.—The agreement provides an additional \$10,000,000 for this program for authorized drought response activities in the California and Oregon Klamath Basin.

WaterSMART Program: Open Evapotranspiration System.—The fiscal year 2022 Act directed Reclamation to provide a briefing on the potential application of the Open Evapotranspiration system to Reclamation missions. Reclamation is directed to provide it not later than 15 days after enactment of this Act.

WaterSMART Program: Title XVI Water Reclamation & Reuse Program.—Of the additional funding provided for this program, not less than \$20,000,000 shall be for water recycling and reuse projects as authorized in section 4009(c) of the WIIN Act.

Yakima River Basin Water Enhancement Project, Washington.—Reclamation is encouraged to budget appropriately for this work in order to move forward on implementing authorized components of the plan and is reminded that activities within this program are eligible to compete for additional funds provided in this account.

CENTRAL VALLEY PROJECT RESTORATION FUND

The agreement provides an indefinite appropriation, which allows Reclamation to expend funds collected in fiscal year 2023. The estimate of collections in fiscal year 2023 is \$45,770,000.

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 \$65,079,000 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 WRDA of 2000 (Public Law 106–541).

The agreement includes a provision prohibiting the use of funds in this Act for certain activities.

TITLE III—DEPARTMENT OF ENERGY

The agreement provides \$46,243,359,000 for the Department of Energy to fund programs in its primary mission areas of science, energy, environment, and national security.

REPROGRAMMING REQUIREMENTS

The agreement carries the Department's reprogramming authority in statute to ensure that the Department carries out its programs consistent with congressional direction. The Department shall, when possible, submit consolidated, cumulative notifications to the Committees.

Definition.—A reprogramming includes the reallocation of funds from one program, project, or activity to another within an appropriation. For construction projects, a reprogramming constitutes the reallocation of funds from one construction project to another project or a change of \$2,000,000 or 10 percent, whichever is less, in the scope of an approved project.

FINANCIAL REPORTING AND MANAGEMENT

The Department is still not in compliance with its statutory requirement to submit to Congress, at the time that the President's budget request is submitted, a future-years energy program that covers the fiscal year of the budget submission and the four succeeding years, as directed in the fiscal year 2012 Act. While the Committees appreciate the small progress of including some information in the budget request, the information provided was inadequate because it clearly was not a "meaningful and comprehensive multi-year budget" as required. In addition, the Department has an outstanding requirement to submit a plan to become fully compliant with this requirement. The Department is directed to provide these requirements not later than 30 days after enactment of this Act. The Department may not obligate more than 75 percent of amounts provided to the Office of the Secretary until the Department briefs the Committees on options for ways to provide future-years energy program information.

Commonly Recycled Paper.—The agreement reiterates House direction on this topic.

Congressional Reporting Requirements.—The Department is directed to provide quarterly updates to the Committees on congressional reporting requirements. Further, the Department is directed to provide all congressionally required reports digitally in addition to traditional correspondence.

SBIR and STTR Programs.—The agreement reiterates House direction on this topic.

Mortgaging Future-Year Awards.—The agreement reiterates House direction on this topic.

General Plant Projects.—The agreement reiterates House direction on this topic.

Competitive Procedures.—The agreement reiterates House direction on this topic.

Cost Share Waivers.—The agreement reiterates House direction on this topic.

Notification of Funding Availability.—The agreement includes no direction on this topic.

WORKFORCE DEVELOPMENT AND DIVERSITY

Workforce Development.—The agreement reiterates House direction on this topic.

The Department is encouraged to prioritize training and workforce development programs that assist and support workers in trades and activities required for the continued growth of the U.S. energy efficiency and renewable energy sectors, including training programs focused on building retrofit, the construction industry, and the electric vehicle industry. The Department is encouraged to continue to work with 2-year, community and technical colleges, labor, and nongovernmental and industry consortia to pursue job training programs, including programs focused on displaced fossil fuel workers, that lead to an industry-recognized credential in the renewable energy and energy efficiency workforce. The agreement recognizes the Department's collaborations with the Department of Defense to address national security priorities including climate change and electric infrastructure. The agreement recognizes the Department's individual education and workforce development programs relating to the intersection of national security and energy but encourages interdepartmental coordination on the creation or modification of these programs.

CROSSCUTTING INITIATIVES

Carbon Dioxide Removal.—The agreement provides not less than \$140,000,000 for research, development, and demonstration of carbon dioxide removal technologies, including not less than \$20,000,000 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 \$50,000,000 from the Office of Science.

The Department is encouraged to carry out activities under the Carbon Dioxide Removal Research, Development, and Demonstration Program authorized in section 5001 of the Energy Act of 2020. The Department is directed to coordinate these activities among FECM, EERE, the Office of Science, and any other relevant program offices or agencies, including the Environmental Protection Agency and Department of Agriculture.

The agreement reiterates House direction on the development of diverse carbon management technologies and methods.

The agreement reiterates House direction on the development and commercialization of carbon dioxide removal technologies at significant scale.

The agreement reiterates House direction on the carbon removal implementation plan and the roles and responsibilities of each program participating in the implementation plan.

The Department is directed to establish a competitive purchasing pilot program for the purchase of carbon dioxide removed from the atmosphere or upper hydrosphere, in support of carbon dioxide removal projects authorized in section 969D of the Energy Policy Act of 2005.

Critical Minerals and Materials.—The agreement provides not less than \$248,500,000 for research, development, demonstration, and commercialization activities on the development of alternatives to, recycling of, and efficient production and use of critical minerals and materials, including not less than \$112,000,000 from EERE, not less than \$50,000,000 from FECM, not less than \$25,000,000 from the Office of Science, and not less than \$61,500,000 from the Office of Nuclear Energy (NE).

The agreement reiterates House direction on university initiatives for critical mineral extraction; the Critical Materials Institute and the Critical Materials Consortium; the Critical Materials Supply Chain Research Facility; and workforce needs in critical minerals and materials industries.

The Department is encouraged to carry out these activities pursuant to sections 7001 and 7002 of the Energy Act of 2020.

Energy Storage.—The agreement provides not less than \$540,000,000 for research, development, demonstration, commercialization, and deployment of energy storage, including not less than \$347,000,000 from EERE, not less than \$95,000,000 from the Office of Electricity (OE), not less than \$5,000,000 from FECM, not less than \$10,000,000 from NE, and not less than \$83,000,000 from the Office of Science.

The Department is directed to carry out these activities in accordance with sections 3201 and 3202 of the Energy Act of 2020.

The agreement notes support for the Department's Energy Storage Grand Challenge (ESGC) and Long-Duration Storage Shot Initiatives, which includes cost-shared demonstrations of energy storage technologies.

Energy-Water Nexus.—The agreement reiterates House direction on this topic.

Industrial Decarbonization.—The agreement provides not less than \$685,000,000 for industrial decarbonization activities, including not less than \$420,000,000 from EERE, not less than \$200,000,000 from FECM, and not less than \$65,000,000 from the Office of Science. The Department is directed to establish the Industrial Emissions Reduction Technology Development Program authorized in section 6003 of Public Law 116–206 for clean industrial research, development, and demonstrations that are both sector-specific and technology-inclusive. The program shall coordinate with EERE, FECM, the Office of Science, Office of Clean Energy Demonstrations, and other relevant program offices. Not later than 60 days after enactment of this Act, the Department is directed to detail on how it will improve coordination and align different program offices to implement the recently released Industrial Decarbonization Roadmap strategy, including who within the Department will lead this work. The funds provided are for the development of a suite of technologies to strengthen the competitiveness of America's industrial sector, with an emphasis on heavy industrial sectors, including iron, steel, steel mill products, aluminum, cement, concrete, glass, pulp, paper, industrial ceramics, and chemicals. Within available funds, the agreement provides not less than \$25,000,000 for clean heat alternatives for industrial processes.

Further, the agreement notes a lack of coordination across the Department regarding Industrial Decarbonization activities. Not later than 60 days after enactment of this Act, the Department is directed to detail on how it will improve coordination and align different program offices to implement the recently released Industrial Decarbonization Roadmap strategy, including who within the Department will lead this work. The Department is encouraged to specify the value-added roles that distinct federal funding streams will play in achieving the emissions reduction goals of the Industrial Decarbonization Roadmap, including across the Department's program offices.

Alternative Modes of Transportation.—The agreement notes the Department's ongoing efforts to develop technologies and low carbon fuels that will reduce emission in shipping, aviation, agricultural, and long-distance transportation.

The agreement provides not less than \$380,000,000 to further the research, development, testing, and demonstration of innovative technologies and solutions for low- or no-emission alternative fuels for ongoing efforts to develop technologies and low carbon fuels that will reduce emission in shipping, aviation, agricultural, and long-distance transportation. This funding level includes not less than \$300,000,000 from EERE, not less than \$35,000,000 from FECM, not less than \$35,000,000 from OE, and not less than \$10,000,000 from the Office of Science.

Further, there are technologies that will reduce emissions in existing locomotive fleets, such as different blends of renewable diesel and biodiesel, as well as to accelerate the commercial viability of innovative technologies and alternatives to traditional diesel fuel, including batteries and hydrogen fuel cells. The agreement notes that hastening the availability of low- and no-carbon alternatives to diesel fuel for locomotives will be essential to addressing climate change while also meeting our nation's projected 50 percent growth in freight transportation demand by 2050. Further, the agreement notes that the decarbonization of the rail industry will be essential to achieving a net-zero emissions economy as rail will continue to play a vital role in such a broad cross-section of industrial economic sectors well into the future. Further, the Department is encouraged to accelerate its work on sustainable aviation fuels, with a focus getting feedstocks and biorefining processes for net-zero emission fuels into demonstration as it works to meet the goals of the Sustainable Aviation Fuel Grand Challenge. The Department is encouraged to develop a clear framework for evaluating the emissions reduction potential of different sustainable aviation fuel pathways and to prioritize research and development of fuels with the greatest potential to reduce GHG emissions while avoiding unintended consequences on forests and food supply chains. The Department is encouraged to work with other federal agencies and the national labs to coordinate efforts to advance sustainable aviation fuels.

DOE and USDA Interagency Working Group.—The agreement reiterates House direction on this topic.

Fluoropolymers.—The agreement reiterates House direction on this topic.

Grid Modernization.—The agreement reiterates House direction on this topic.

The Department is directed to develop a plan for a pipeline of students, graduates, and professors to sustain a robust grid modernization research, design, and operations capability over the long-term.

Further, the agreement notes the value of a diverse range of clean distributed energy resources, and the Department is encouraged to evaluate opportunities to deploy multi-resource microgrids that incorporate dispatchable, fuel-flexible, renewable fuel-compatible, distributed generation technologies, including but not limited to linear generator technology, paired with variable output renewable resources and battery storage technology, in order to simultaneously achieve substantial carbon and criteria emissions reductions, ensure multi-day resilience, and improve energy security and independence.

Harmful Algal Blooms.—The agreement reiterates House direction on this topic.

Hydrogen.—The Department is directed to coordinate its efforts in hydrogen energy and fuel cell technologies across EERE, FECM, NE, OE, the Office of Science, the Office of Clean Energy Demonstrations, the Advanced Research Projects Agency—Energy, and any other relevant program offices to maximize the effectiveness of investments in hydrogen-related activities.

The agreement provides not less than \$316,000,000 for the Hydrogen crosscut, including not less than \$163,000,000 from EERE, not less than \$113,000,000 from FECM, not less than \$23,000,000 from NE, and not less than \$17,000,000 from the Office of Science.

The agreement provides not less than \$15,000,000 for technologies to advance hydrogen use for heavy-duty transportation, industrial, and hard-to-electrify transportation applications including trains, maritime shipping, and aviation.

Integrated Energy Systems.—The agreement reiterates House direction on this topic.

Landfill Emissions.—The agreement reiterates House direction on this topic.

ENERGY PROGRAMS
ENERGY EFFICIENCY AND RENEWABLE ENERGY

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

Additional direction related to Department-wide crosscutting initiatives is provided under the heading Crosscutting Initiatives in the front matter of Department of Energy.

The agreement supports the budget request for the Communities to Clean Energy Program.

Aquatic Decarbonization.—The agreement provides not less than \$40,000,000 for crosscutting efforts that will contribute to multiple areas of ocean- and water-based energy technologies and include support for research, development, and infrastructure that leverages the Department's existing ocean-based assets and infrastructure. The Department is directed to provide to the Committees prior to the obligation of these funds a detailed spending plan highlighting which offices are contributing to this effort and the planned investments in research, development, and deployment, including infrastructure needs.

Database of State Incentives for Renewables and Efficiency.—The Department is directed to support needed security and software upgrades for the Database of State Incentives for Renewables and Efficiency (DSIRE), a program that provides U.S. homeowners, businesses, policymakers, and others with vital information relating to clean energy incentives and policies across the country.

Energy Transitions Initiative.—The agreement provides not less than \$15,000,000 for the Energy Transitions Initiative (ETI), including the Technology-to-Market and Communities subprogram, to support initiatives to address high energy costs, reliability and inadequate infrastructure challenges faced by island and remote communities. The Department is directed to support stakeholder engagement and capacity building and reiterates House direction on community-based initiatives. Additionally, the agreement notes that without a plan to support communities that have or are receiving technical assistance through cohorts 1 and 2, the federal investment risks being stranded. The Department should provide some level of support and program continuity for these communities from locally relevant technical assistance providers. To facilitate improvement of this initiative, the Department is directed to provide to the Committees not later than 90 days after enactment of this Act a report detailing: 1) current status of projects supported through this program; 2) plans to ensure ETIPP program continuity and follow-up support through regional project partners; 3) offboarding processes for cohorts 1 and 2 as well as how the offboarding processes build a pipeline of projects for other programs in the Department; 4) plans for recruiting and supporting a third cohort of communities; and 5) recommendations on the inclusion of additional geographies supported with additional regional partners.

Workforce Development.—The agreement provides \$5,000,000 to support expanding efforts to include students from underserved institutions in the technology development programs within the Department's portfolio of manufacturing, solar, transportation and grid/energy storage through a university which has existing partnerships with several Historically Black Colleges and Universities and Minority Serving Institutions, and participants in several Departmental applied energy research programs.

The Department is encouraged to continue to work with two-year, community and technical colleges; labor; and nongovernmental and industry consortia to pursue job training programs, including programs focused on displaced fossil fuel workers, that lead to an industry-recognized credential in the energy workforce. The Department is encouraged to update and publish on its website the list of credentials that are recognized by the Department through its Better Buildings Workforce Guidelines and additional credentials that are relevant to designing, building, and operating building energy systems.

University Research Consortium on Resilience.—In fiscal year 2021 and fiscal year 2022, the agreement directed \$20,000,000 in total for a competitive solicitation which the Department was expected to release in Fall 2022. The Department is directed to release the funding opportunity and award funds expeditiously.

SUSTAINABLE TRANSPORTATION

The agreement provides not less than \$35,000,000 to continue the SuperTruck III vehicle demonstration program and further address the energy efficiency, carbon dioxide emissions reduction potential, and freight efficiency of heavy and medium duty long- and regional-haul vehicles.

Vehicle Technologies.—The Department is encouraged to prioritize projects in states where the transportation sector is responsible for a higher percentage of the state's total energy consumption and is the largest source of greenhouse gases.

Within available funds, the agreement supports a solicitation to further develop and demonstrate advanced wireless charging technologies, including charging coils, that reduce cost and improve performance of wireless power transfer and to demonstrate opportunity wireless vehicle charging in northern climates, in areas with high ratio of renewable energy deployment.

The agreement provides up to \$250,000,000 for Battery and Electrification Technologies.

The Vehicle Technologies Office is encouraged to prioritize recycling funding awards for projects that demonstrate recycling of all battery components, including casings and enclosures made from plastics and polymer composites.

The agreement provides \$10,000,000 for research and development of engine architectures that integrate low-carbon fuels like ethanol and biodiesel, including the performance of these engines on higher blends of renewable fuels.

The agreement provides up to \$25,000,000 to advance energy efficiency and low-emission technologies for off-road application vehicles, including up to \$5,000,000 for fluid power systems. The Department is directed to prioritize applications in ports, warehouses, and railyards. These funds shall be awarded through a competitive solicitation in which university and industry teams are eligible to apply.

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

Within available funds for Technology Integration and Deployment, the agreement provides not less than \$10,000,000 be made available to advance the development and demonstration of technologies for

electric aircraft for the cargo and logistics industry with the dual purpose of supporting electric delivery trucks.

The Department is directed to continue to support the Clean Cities alternative fuels deployment program focused on vehicles that can deliver lower greenhouse gas emissions and meet customer needs, which can include vehicles powered by biofuels, electricity, hydrogen, natural gas, renewable natural gas, propane, and renewable propane. Within available funds, the agreement provides not less than \$65,000,000 for deployment through the Clean Cities program, including not less than \$20,000,000 in direct cooperative agreements with the Clean Cities Coalitions and not less than \$40,000,000 for competitive grants to support alternative fuel, infrastructure, new mobility, and vehicle deployment activities. When issuing competitive grants in support of these activities, the Department is encouraged to include some awards that range from \$500,000 to \$1,000,000 each and encourage at least one Clean Cities coalition partner. The Department is encouraged to ensure balance in the award of funds to achieve varied aims in fostering broader adoption of clean vehicles and installation of supporting infrastructure. The Department is encouraged to prioritize projects that can contribute the greatest reductions in lifecycle greenhouse gases and other harmful air pollutants. The Department is encouraged to work with the Department of Transportation and industry on coordinating efforts to deploy electric vehicle (EV) charging infrastructure. The Department is encouraged to explore ways in which the Clean Cities Program can leverage funding to provide greater support, including through grants, technical assistance, and community engagement, for clean fuels and vehicles in underserved or disadvantaged communities so they can benefit from the emissions reductions and public health benefits delivered by electrification.

The agreement provides not less than \$5,000,000 for electric vehicle workforce development activities. The Department is encouraged to build upon its existing partnerships with the GridEd workforce training program to advance a national electric vehicle workforce. The Department is encouraged to include engagement with the electric industry; auto industry; labor unions; university and community colleges, including Historically Black Colleges and University and other Minority Serving Institutions; and training institutes.

The agreement reiterates House direction on the report directed by the fiscal year 2022 Act on challenges in cost-effective and safe operation of vehicles. The Department is directed to coordinate with the Department of Transportation and the Joint Office of Energy and Transportation to develop a roadmap for electric vehicle transition and workforce training. The Department is also directed to coordinate with the Clean Cities Program, the Department of Transportation, and the Joint Office of Energy and Transportation to ensure all activities are aligned to meet the goals of widespread adoption of electric vehicles.

The agreement provides not less than \$54,000,000 for Energy Efficient Mobility Systems, including not less than \$34,000,000 to conduct early-stage research and development at the vehicle, traveler, and system levels and not less than \$20,000,000 for pilot and demonstration projects pairing self-driving technology with zero-emission vehicles to help ensure mobility does not come at the cost of increased tailpipe pollution.

The agreement provides up to \$10,000,000 to improve 12-volt lead batteries for safety-critical electric vehicle applications.

The agreement provides \$10,000,000 for novel engine designs that can achieve significant efficiency improvements in hydrogen combustion. The Department is encouraged to support research and development for hydrogen combustion by two-stroke opposed piston engines.

The Department is encouraged to work with the Department of Transportation and industry on coordinating efforts to deploy hydrogen fueling infrastructure.

The Department, in coordination with the Joint Office of Energy and Transportation, is encouraged to assess if the capacity of electricity distribution can meet anticipated electricity demand at proposed charging locations. The Department is encouraged to consult with stakeholders and entities tasked with overseeing the U.S. electric grid in this assessment.

The Department, in coordination with the Environmental Protection Agency, is encouraged to consider the benefits of a competitive voucher program to continue improving the energy efficiency of commercial long-haul vehicles with active emission-reducing technology.

The agreement provides up to \$5,000,000 for research on direct injection, engine technology, and the use of dimethyl ether as fuel.

The agreement provides up to \$10,000,000 to address technical barriers to the increased use of natural gas vehicles, with a focus on those utilizing non-fossil based, renewable natural gas. Technical barriers include demonstrations of advanced natural gas vehicles and fueling infrastructure, medium and heavy duty on-road natural gas engine research and development, energy efficiency improvements, emission reduction technologies, fueling infrastructure optimization, and renewable gas production research and development.

The Department is directed to prioritize recycling funding awards for projects that demonstrate recycling of all battery components, including casings and enclosures made from plastics and polymer composites.

The Department is directed to prioritize funding and technical assistance through its grant programs for electric vehicle car share programs at public housing facilities.

The Department is directed, in coordination with the Department of Transportation and the Joint Office of Energy and Transportation, to focus on increasing availability of and access to publicly accessible charging infrastructure that can support both personal vehicle uses and ride-share services, particularly in underserved or disadvantaged communities that lack convenient access to such infrastructure.

The Department is encouraged in its position in the Joint Office of Energy and Transportation to increase deployment and accessibility of electric vehicle charging infrastructure in underserved or disadvantaged communities through grants, technical assistance, and community engagement and to address “soft costs” of installing EV charging infrastructure, such as permitting and interconnection challenges, to accelerate deployment. The Department is encouraged to develop and submit a roadmap to the Committees to provide voluntary technical assistance to municipalities aimed at reducing the time and costs for permitting, inspecting, and interconnecting publicly available EV supply equipment through standardized requirements, online application systems, recognition programs, and technical assistance.

Bioenergy Technologies.—The agreement supports research to develop the foundation for scalable techniques to use carbon dioxide produced in various plants, such as in biorefineries, to produce higher value fuels, chemicals, or materials.

The agreement provides up to \$5,000,000 for continued support of the development and testing of new domestic manufactured low-emission, high-efficiency, residential wood heaters that supply easily accessed and affordable renewable energy and have the potential to reduce the national costs associated with thermal energy.

The agreement provides not less than \$44,000,000 for feedstock technologies research and the Biomass Feedstock National User Facility and \$40,000,000 for algae-related activities.

The agreement provides not less than \$23,000,000 for the Agile BioFoundry to accelerate the Design-Build-Test-Learn cycle for biofuels and bioproducts with a focus on sustainable aviation fuels.

The agreement provides not less than \$100,000,000 for Conversion Technologies. Within available funds for Conversion Technologies, the agreement provides \$5,000,000 to demonstrate the use of and improve the efficiency of community-scale digesters with priority given for projects in states and tribal areas that have adopted statutory requirements for the diversion of a high percentage of food material from municipal waste streams.

The agreement provides up to \$6,000,000 to support research, at commercially relevant processing scales, into affordable preprocessing of forest residue technologies, forest residue fractionation technologies, and other processing improvements relevant to thermal deoxygenation biorefineries in order to enable economic production of sustainable aviation fuels and economic upgrading of hemicelluloses and lignin.

The agreement provides not less than \$70,000,000 for System Development and Integration, including for demonstration activities. The agreement reiterates House direction on feedstocks and biorefining processes for sustainable aviation fuels.

The Department is directed to address research challenges to maximize use of atmospheric carbon dioxide, including in highly alkaline conditions to maximize carbon capture. This research shall aim to eliminate the requirement for co-location of algal production facilities with power plants or costly, low-volume pipelines; increase algal productivity levels; and lower the cost of biofuel production.

Hydrogen and Fuel Cell Technologies.—The Department is directed to maintain a diverse program that focuses on early-, mid-, and late-stage research and development and technology acceleration, including market transformation.

The agreement provides not less than \$100,000,000 for H2@Scale.

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

The agreement provides up to \$30,000,000 for Fuel Cell Technologies.

The agreement provides \$10,000,000 for perovskites and other catalysts and catalyst supports for hydrogen carriers. The Department should prioritize efforts that couple computational modeling, experimental characterization, and controlled synthesis, along with durability and degradation science. The Department is encouraged to prioritize efforts that include partnerships between at least one academic partner and one national laboratory.

The agreement provides not less than \$10,000,000 for solar fuels research and development for hydrogen generation. The Department is encouraged to leverage research and technology advances from the Fuels from Sunlight Hub.

The agreement supports the Department's continued activities for high temperature electrolyzer development and integrated pilot level technology testing and validation, including at national laboratories.

The agreement reiterates House direction on alkaline and proton exchange membrane (PEM) electrolyzers.

The Department is directed to continue to consider the economic and environmental impacts of various modes used to transport hydrogen in its decision-making process.

The Department is directed to prioritize opportunities to advance a network of pipelines to reliably deliver adequate supplies of hydrogen for end users.

The Department is directed to continue efforts aimed at reducing the cost of hydrogen production, storage, and distribution including novel onboard hydrogen tank systems, trailer delivery systems, and development of systems and equipment for hydrogen pipelines.

The agreement provides not less than \$15,000,000 for Safety, Codes, and Standards to maintain a robust program and engage with state and local agencies to support their technical needs relative to hydrogen infrastructure and safety.

RENEWABLE ENERGY

The agreement provides up to \$5,000,000 for the Wind Energy Technologies Office and the Water Power Technologies Office to support university-led research projects related to resource characterization, site planning, aquaculture assessments, community outreach, and planning for long term environmental monitoring for applications of marine energy and floating offshore wind technologies to support sustainable, scalable aquaculture production.

Solar Energy Technologies.—The agreement provides not less than \$60,000,000 for Concentrating Solar Power Technologies and not less than \$77,000,000 for Photovoltaic Technologies.

The agreement provides not less than \$45,000,000 for Balance of System Soft Costs efforts focused on reducing the time and costs for permitting, inspecting, and interconnecting distributed solar and storage projects installed behind the customer's meter through standardized requirements, online application systems, and grant awards to localities which voluntarily adopt the Solar Automated Permit Processing platform.

The agreement provides up to \$40,000,000 to continue and expand work to lower barriers to solar adoption for low-income households, renters, multifamily homes, and minority communities. The Department is encouraged to explore and provide resources on financing and business models that are well-suited to these households and communities.

The agreement provides not less than \$5,000,000 for the National Community Solar Partnership program.

The agreement provides up to \$10,000,000 for technology development, testing and verification of technologies that help solar energy projects avoid, minimize, and mitigate impacts on wildlife and ecosystems, including through improved scientific research into avian-solar interactions.

The agreement provides not less than \$55,000,000 for Systems Integration and not less than \$70,000,000 for Manufacturing and Competitiveness.

The agreement provides not less than \$25,000,000 for research, development, demonstration, and commercial activities related to cadmium telluride (CdTe). This work shall align with the goals of the technology roadmap for research: reducing CdTe module manufacturing costs, addressing supply chain challenges, achieving greater cell and module efficiency, cutting CdTe solar costs while extending solar panel life, and increasing the global market share of domestically produced photovoltaics.

The agreement provides not less than \$25,000,000 for perovskites.

The Department is directed to support the development of small-scale pilot manufacturing plants for perovskite photovoltaics. The Department is encouraged to issue awards to commercial-ready solar perovskite entities that are prepared to scale up solar technologies.

The agreement notes support for the recently established Perovskite Accelerator for Commercializing Technologies (PACT) Center, which has been established for testing the durability of perovskite photovoltaics. The Department is encouraged to consider establishment of a companion research accelerator to advance the underpinnings of the technology, following the model established for the CdTe

Consortium that was announced by the Department in 2020. A perovskite R&D accelerator could be focused on nucleation and degradation, the science of inherent material stability, new substrates, energy loss mechanisms, ultra-high efficiency bifacial and tandem devices, and inherently scalable production methods such as solution processing and roll-to-roll manufacturing.

The Department is directed to continue supporting the regional demonstration sites under the Solar Energy Technologies Office.

Wind Energy Technologies.—The agreement provides not less than \$13,000,000 for distributed wind technologies.

The Department is directed to give priority to stewarding the assets and optimizing the operations of the Department-owned wind energy research and development facilities. The Department should continue to prioritize mission readiness and optimization of the operations of the National Wind Technology Center. The agreement provides not less than \$5,000,000 for research and operations of the Integrated Energy System at Scale, a large-scale research platform using high-performance computing, modeling and simulation, including improved models that can be used to understand atmospheric and wind power plant flow physics, and reliability and grid integration efforts.

The agreement provides up to \$30,000,000 to initiate the establishment of a university-based development and testing facility capable of supporting industrial prototyping and manufacturing of turbine systems capable of producing upwards of 30 megawatts of power per unit. The Department is further directed to support the accompanying electric grid integration of these offshore wind turbine capabilities.

The agreement provides not less than \$65,000,000 for offshore wind. The Department is directed to support innovative offshore wind demonstration projects to optimize their development, design, construction methods, testing plans, and economic value proposition. Within available funds for offshore wind, the agreement provides not less than \$6,000,000 for advanced technology demonstration of floating offshore wind projects.

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.

Within available funds for offshore wind, the agreement provides not less than \$30,000,000 for floating offshore research, development, and demonstration, including activities to facilitate interconnection between offshore generation facilities and the grid.

The Department is encouraged to continue to support research and development related to siting and environmental permitting issues, which if not properly addressed may lead to unnecessary delays in achieving the national goal to deploy 30 gigawatts of offshore wind generation by 2030. In considering research and development funding related to siting and environmental permitting issues, the Department shall prioritize the development of technologies and capabilities related to minimizing impacts to coastal communities, federal radar missions, and living marine resources.

The Department is encouraged to continue focusing efforts with non-profit and academic partners to conduct coastal atmospheric boundary layer characterization that will help optimize and inform efforts of the Department of Interior's Bureau of Ocean Energy Management and assist the growing domestic coast wind energy industry.

Water Power Technologies.—The agreement provides not less than \$59,000,000 for Hydropower Technologies and not less than \$120,000,000 for Marine Energy. The Department is encouraged to utilize existing authorities to waive cost share for water power technologies research, development, demonstration, and deployment activities.

The agreement provides up to \$10,000,000 for demonstration of a modular pumped storage project. The agreement provides up to \$35,000,000 to expand the HydroWIRES program to enhance the flexibility of America's hydropower and pumped storage hydropower resources, including support for research, development, and demonstration to advance pumped storage hydropower projects. The Department is encouraged to continue efforts that support and demonstrate increased grid reliability and integration of other renewable energy resources, including applications to optimally integrate small hydropower with advancements in battery storage and other grid services.

The agreement provides up to \$10,000,000 to continue industry-led research, development, demonstration, and deployment efforts of innovative technologies for fish passage and invasive fish species removal at hydropower facilities, as well as analysis of hydrologic climate science and water basin data to understand the impact of climate change on hydropower. The agreement provides up to \$5,000,000 for innovative analytics to optimize hydropower applications such as machine learning-based hydrologic forecasts and operations optimization technology advancement.

The agreement provides up to \$15,000,000 for small hydropower innovation, testing, and initiatives, including industry-led competitive solicitations for advanced turbine demonstrations; improved environmental performance; standardized or modular project deployment applications; and advanced manufacturing and supply chain innovations. The Department is encouraged to support innovative analytics to optimize hydropower applications such as machine learning-based hydrologic forecasts and operations optimization technology advancement.

The agreement provides up to \$10,000,000 for design and engineering based on the outcome of the Department's ongoing scoping activities toward a network of hydropower testing facilities. The fiscal year 2022 Act directed the Department to provide a briefing on its strategy for establishing these facilities. The Department is directed to provide it not later than 30 days after enactment of this Act.

The agreement provides up to \$5,000,000 for irrigation modernization demonstration and deployment activities including physical sites and digital tools that advance energy, water, environmental, community, and agricultural benefits.

The agreement provides up to \$10,000,000 for the purposes of sections 242 and 243 of the Energy Policy Act of 2005 as being carried out by the Grid Deployment Office.

Within available funds for Marine Energy, the agreement provides not less than \$50,000,000 for industry-led competitive solicitations to increase energy capture, improve reliability, and to assess and monitor environmental effects of marine energy systems and components at a variety of scales, including full-scale prototypes. Within available funds for Marine Energy, the agreement provides up to \$20,000,000 for continuation of foundational research activities led by universities and research institutions affiliated with the National Marine Energy Centers. Within available funds for Marine Energy, the agreement provides up to \$10,000,000 for operations at the National Marine Energy Centers in order to accelerate the transition of marine energy technologies to market.

Within available funds for Marine Energy, the agreement provides not less than \$27,000,000 address infrastructure needs at marine energy technology testing sites, including general plant projects and planning activities for the staged development of an ocean current test facility and upgrades to facilities that provide cost effective open water access for prototype testing. Within available funds for infrastructure needs at marine energy technology testing sites, the agreement provides up to \$5,000,000 for the development and construction of an open water, fully energetic, grid connected ocean current energy test facility, not less than \$5,000,000 for general purpose plant projects, and not less \$22,000,000 to complete construction of the grid connected wave energy test facility.

The agreement provides not less than \$5,000,000 for the Department's Marine and Coastal Research Laboratory. The agreement provides up to \$8,000,000 for continuation of the Testing Expertise and Access for Marine Energy Research initiative. The agreement supports the Atlantic Marine Energy Center. The Department is directed to continue to coordinate with the U.S. Navy and other federal agencies on marine energy technology development for national security and other applications.

The agreement provides \$24,000,000 for the Powering the Blue Economy initiative. The Department is directed to continue leveraging existing core capabilities at national laboratories to execute this work, in partnership with universities and industry.

The Department is encouraged to use its cost share waiver authority under section 988 of the Energy Policy Act of 2005, when applicable and as appropriate, for water power technology research, development, demonstration, and deployment activities.

The agreement recognizes the challenges of decarbonizing remote communities and the maritime sector. The Department is encouraged to continue to focus on activities addressing the integration of clean energy systems for remote communities and port electrification, including the demonstration of marine, distributed wind, solar, energy storage, improved microgrids, and local production of zero-carbon fuels.

Geothermal Technologies.—The agreement supports research, development, and demonstration, including implementation of the recommendations outlined in the GeoVision study and authorized in the Energy Act of 2020.

The agreement provides up to \$100,000,000 for enhanced geothermal system demonstrations (EGS) and next-generation geothermal demonstration projects in diverse geographic areas. The Department is directed to include demonstration projects in an area with no obvious surface expression or to develop deep, direct use geothermal technologies to distribute geothermal heat through an integrated energy system or district heating system. The Department is directed to consider Superhot Rock geothermal demonstrations in which water, at that depth, would reach supercritical conditions and demonstrate incremental improvements toward producing supercritical water at the surface.

Renewable Energy Grid Integration.—The agreement provides \$45,000,000 for activities to facilitate the integration of grid activities among renewable energy technologies and to include integrated system analysis, technical assistance, and innovative municipal or community-driven initiatives to increase the use and integration of renewable energy in the United States. Within available funds, the agreement provides \$10,000,000 for development and demonstration of an “energyshed” management system that addresses a discrete geographic area in which renewable sources currently provide a large portion of electric energy needs, where grid capacity constraints result in curtailment of renewable generation, and with interactive smart meters. The “energyshed” design should achieve a high level of integration, resilience, and reliability among all energy uses, including both on-demand and long-time energy scales, transmission, and distribution of electricity.

ENERGY EFFICIENCY

Advanced Manufacturing.—The agreement provides not less than \$185,000,000 for Industrial Efficiency and Decarbonization.

The agreement reiterates House direction related to the conversion and retooling of industrial facilities.

Within available funds for Industrial Efficiency and Decarbonization, the agreement provides \$20,000,000 for continued research for energy efficiency improvement and emissions reduction in the chemical industry including dynamic catalyst science coupled with data analytics.

Within available funds for Industrial Efficiency and Decarbonization, the agreement provides up to \$10,000,000 for the issuance of a competitive solicitation for university and industry-led teams to improve the efficiency of industrial drying processes.

The agreement provides not less than \$105,000,000 for Clean Energy Manufacturing.

Within available funds for Clean Energy Manufacturing, the agreement provides \$25,000,000 for the Manufacturing Demonstration Facility (MDF) and the Carbon Fiber Technology Facility. Within available funds for the MDF, the agreement includes \$5,000,000 for the development of processes for materials solutions.

Within available funds for Clean Energy Manufacturing, the agreement provides \$10,000,000 for the development of advanced tooling for lightweight automotive components to lead the transition to electric vehicle and mobility solutions to meet the national urgency for market adoption. The Department is directed to further foster the partnership between the MDF, universities, and industry in the Great Lakes region for economic growth and technology innovation and manufacturing scale up related to mobility and advanced electric vehicles, thereby accelerating technology deployment and increasing the competitiveness of U.S. manufacturing industries.

Within available funds for Clean Energy Manufacturing, the agreement provides up to \$15,000,000 to provide ongoing support for the Combined Heat and Power (CHP) Technical Assistance Partnerships and related CHP activities. The Department is directed to collaborate with industry on the potential energy efficiency and energy security gains to be realized with district energy systems.

Within available funds for Clean Energy Manufacturing, the agreement provides \$5,000,000 for advanced manufacturing of large wind blades.

Within available funds for Clean Energy Manufacturing, the agreement provides \$3,000,000 for advanced manufacturing of large iron and steel castings and forgings for offshore wind turbines.

The agreement supports additive manufacturing technologies for wind energy applications.

The agreement notes the important role large-area additive manufacturing can play in helping to advance the deployment of building, transportation, and clean energy technologies. The Department is directed to further foster the partnership between the national laboratories, universities, and industry to use bio-based thermoplastics composites, such as micro- and nanocellulosic materials, and large-area 3-D printing to overcome challenges to the cost and deployment of building, transportation, and energy technologies.

Within available funds for Clean Energy Manufacturing, the agreement provides up to \$5,000,000 for university-led research and development of catalytic processes to transform low value feedstocks into carbon-neutral liquid fuels and chemical products.

Within available funds for Clean Energy Manufacturing, the agreement provides \$10,000,000 to support sustainable chemistry research and development. The fiscal year 2021 Act directed the Department to provide a report exploring how incorporating sustainable chemistry in consumer and commercial manufacturing processes fits within its research and development portfolio and can benefit these processes. The Department is directed to provide the report immediately.

Within available funds for Clean Energy Manufacturing, the agreement provides up to \$5,000,000 for university-led research in order to increase recycling rates for polyethylene plastics and develop conversion of waste polyethylene to more recyclable and biodegradable plastics.

Within available funds for Clean Energy Manufacturing, the agreement provides up to \$20,000,000 to continue development of additive manufacturing involving nanocellulose feedstock materials made from forest products. This work shall be conducted in partnership with the MDF to leverage expertise and capabilities for large scale additive manufacturing.

Within available funds for Clean Energy Manufacturing, the agreement provides \$2,000,000 to fund lithium-ion battery rejuvenation, recycling, and reuse programs that will focus on research, education, and workforce development to help the economy and national energy security. The agreement reiterates House direction on these efforts.

Within available funds for Clean Energy Manufacturing, the agreement provides up to \$12,000,000 for research in silicon carbide and gallium nitride power electronics.

Within available funds for Clean Energy Manufacturing, the agreement provides up to \$5,000,000 to continue development of low-cost polymer infiltration processes for the fabrication of ceramic matrix composites and other advanced material processes for high-temperature components, including silicon carbide components.

The Department is directed to support the expeditious development and production of lithium battery technology to scale up the domestic battery supply chain. Within available funds for Clean Energy Manufacturing, the agreement provides up to \$10,000,000 for solid state lithium metal battery storage demonstration projects that are U.S.-controlled, U.S.-made, and North American sourced and supplied. The Department is directed to prioritize battery technology that is compatible with existing and next generation cathodes, including nickel and cobalt free cathodes, will further enhance energy density, and is intrinsically nonflammable.

The agreement notes the Department's efforts to expand the capabilities of the United States in advanced battery manufacturing for long-duration grid-scale energy storage. As the Department continues its efforts to scale up a domestic advanced battery supply chain, including battery manufacturing demonstration projects, the Department is encouraged to seek a broad spectrum of battery chemistries not wholly exclusive to lithium-ion based battery technology and encourages the Department to craft grant solicitations widely enough to include all compelling emerging technologies such as multi-day storage (MDS) chemistries such as iron-air batteries or other new configurations.

The agreement provides not less than \$80,000,000 for Material Supply Chains.

Within available funds for Material Supply Chains, the agreement provides up to \$5,000,000 to increase participation in databases used in generating environmental product declarations (EPDs), the disclosure tool measuring the embodied carbon of a product or service, in coordination with the Environmental Protection Agency.

Within available funds for Material Supply Chains, the agreement provides up to \$15,000,000 for a competitive grant program to improve the sustainability and competitiveness of U.S. mining operations, including the beneficial use of byproducts such as capturing excess nitrogen oxide and utilizing it to produce ammonium sulfate fertilizer suitable for agricultural use.

Within available funds for Material Supply Chains, the agreement provides not less than \$5,000,000 to apply the Office of Science's leadership computing facility expertise in machine learning to increase efficiencies in large-scale, high rate manufacturing processes for aerostructures and other large composite structures.

The agreement provides not less than \$45,000,000 for Technical Assistance and Workforce Development.

Within available funds for Technical Assistance and Workforce Development, the agreement provides \$5,000,000 to expand the technical assistance provided for water and wastewater treatment. Within available funds for Technical Assistance and Workforce Development, the agreement provides \$20,000,000 for research and development on technologies to achieve energy efficiency of water and wastewater treatment plants, including the deployment of advanced technology, as appropriate.

The Department is encouraged to support innovation in water technologies that will incentivize technology developments for the blue economy, including consideration of establishing a Center of Excellence, with a focus on the Great Lakes region.

Within available funds for Technical Assistance and Workforce Development, the agreement provides not less than \$10,000,000 for the Lab-Embedded Entrepreneurship Program (LEEP) and reiterates House direction on this topic.

Building Technologies.—Within available funds for Emerging Technologies, the Department is encouraged to make funding available for heating, ventilation, and air conditioning (HVAC) and refrigeration research, development and deployment, including heat pumps, heat pump water heaters and boilers. The Department shall focus its efforts to address whole building energy performance and cost issues to inform efforts to advance beneficial electrification and greenhouse gas mitigation without compromising building energy performance.

The agreement provides not less than \$70,000,000 for Commercial Building Integration for core research and development of more cost-effective integration techniques and technologies that could help the transition toward deep retrofits, not less than \$60,000,000 for Residential Buildings Integration, and not less than \$75,000,000 for Equipment and Building Standards.

The Department is directed to advance building upgrades and weatherization of homes, as well as to advance work in grid-integrated efficient buildings and inclusion of smart grid systems, demand flexibility and new initiatives in workforce training to ensure the technology and research findings reach practitioners. The Department is encouraged to concentrate funding on industry teams to facilitate research, demonstrate and test new systems, and facilitate widespread deployment and dissemination of information and best practices through direct engagement with builders, the construction trades, equipment manufacturers, smart grid technology and systems suppliers, integrators, and state and local governments and other market transformation activities.

The agreement provides up to \$30,000,000 for the Building Energy Codes Program to increase training, including certifications, and provide technical assistance to states, local governments, regional collaboratives, workforce development providers, homebuilders, office builders, architects and engineers, and other organizations that develop, adopt, or assist with the adoption or compliance with model building energy codes and standards to improve energy efficiency and resilience.

The agreement provides not less than \$30,000,000 to continue to invest in transactive energy and control research and development efforts to support demonstrations in which renewable energy and energy efficiency elements connected to the electric grid, such as buildings; wind and solar; energy storage; including batteries; hydrogen technologies; and electric vehicle charging stations, work together seamlessly to enhance reliability, security, and efficiency of the nation's electric grid. The Department is directed to prioritize market-based transactive energy principles, from the individual energy generation/consumption nodes to the wholesale and energy distribution markets. The Department is directed to establish efforts in various parts of the country where prevailing weather and market constructions differ. The Department is further directed to prioritize projects that connect multiple physically separated sites with multiple topologies.

The Department is directed to carry out the Grid-interactive Efficient Buildings (GEB) program to ensure that a high level of energy efficiency is a core element of the program and a baseline characteristic for GEBs, which are also connected, smart, and flexible. EERE shall engage with the public and private sectors, including the building and manufacturing industries and state and local governments, to share information on GEB technologies, costs, and benefits, and to provide information to position American companies to lead in this area.

The agreement provides up to \$50,000,000 for solid-state lighting.

The agreement provides up to \$40,000,000 to facilitate deep whole-house energy efficiency retrofits, particularly those using innovations from the Advanced Building Construction Initiative, such as demonstrations, outreach, engagement, and training to private sector contractors, including continuing efforts to advance smart home technology.

The Department is directed to develop programs to support a skilled, robust, diverse, and nationally representative building energy efficiency and building energy retrofit workforce. The agreement provides up to \$40,000,000 for these activities.

The agreement provides up to \$30,000,000 for energy-related research and development in buildings.

The Department is encouraged to expand efforts within the Advanced Building Construction initiative to scale development and adoption of innovative technologies to produce affordable, energy efficient buildings and retrofits with low lifecycle carbon impacts. The Department is directed to support technical assistance to state, local, and tribal governments to reduce emissions from buildings through efficient electrification strategies.

The Department is encouraged to concentrate funding on industry teams to facilitate research, demonstrate and test new systems, and facilitate widespread deployment and dissemination of information and best practices through direct engagement with builders, the construction trades, equipment manufacturers, smart grid technology and systems suppliers, integrators, and state and local governments and other market transformation activities. Further, the Department is encouraged to support deep whole-house energy efficiency retrofits, particularly those using innovations from the Advanced Building Construction Initiative, such as demonstrations, outreach, engagement, and training to private sector contractors, including continuing efforts to advance smart home technology. The agreement notes support for continued efforts to address property rating and valuation in commercial and residential buildings as a way to improve transparency of energy utilization in buildings for persons and companies buying or leasing property.

The Department is encouraged to support university research, in partnership with national labs, for developing, building, and evaluating cross-laminated timber wall systems for embodied energy content, operating energy efficiency, wall moisture profiles, structural connector durability, and health monitoring sensors.

The agreement notes support for continued research to quantify the resilience impacts of energy codes for buildings, occupants, and communities. Recognizing that the pandemic has presented challenges to permit processing for building departments reliant on paper-based systems, the Department is encouraged to develop cloud-based software that can facilitate permit processing for projects that conserve energy or promote resilience as well as efforts to help departments modernize systems.

The Department is directed to prioritize energy efficiency measures that reduce energy consumption, especially among high energy-burden households within communities of color. The Department is directed further to focus on increasing availability of and access to publicly, individually, and community-owned heat pumps.

The Department is directed to support collaborative projects with the Department of Agriculture's Agricultural Research Service to improve the energy efficiency in controlled environmental agriculture (CEA).

The Department is encouraged to work with two-year community and technical colleges, labor, and nongovernmental and industry consortia to advance job training programs and to collaborate with the Department of Education, the Department of Labor, and the residential and commercial efficiency building industry to ensure support is reaching small energy efficiency businesses that have had difficulty accessing federal workforce support.

The agreement provides up to \$5,000,000 for novel earlier-stage research, development, and demonstration of technologies to advance energy efficient, high-rise Cross-Laminated Timber (CLT) building systems.

STATE AND COMMUNITY ENERGY PROGRAMS

The Department is directed to coordinate and expand activities to convene municipal governments, provide robust and tailored technical assistance to municipal governments, and provide funding and support to municipal governments or national and local partner organizations to implement best practices to advance energy efficiency adoption, building and vehicle electrification, grid modernization, distributed electricity generation, and workforce development at the local level. The Department is directed to include work with organizations that convene and support municipal governments.

The Department is directed to obligate funds for State and Community Energy Programs expeditiously to grantees.

The Department is directed to achieve staffing levels that will allow it to provide robust training, technical assistance, and oversight for the Weatherization Assistance Program (WAP) and the State Energy Program (SEP).

Weatherization.—The Department is directed to provide to the Committees not later than 30 days after enactment of this Act a briefing regarding ongoing efforts at the Department to collaborate with the Department of Health and Human Services' Low Income Home Energy Assistance Program (LIHEAP) program and the Department of Housing and Urban Development's HOME Investment Partnerships Program (HOME). The Department is encouraged to work collaboratively with other federal agencies and to outline ways the various weatherization and home assistance programs can better integrate assistance for structurally deficient but weatherable residences.

Within available funds, the agreement provides \$1,000,000 for WAP grant recipients that have previously worked with the Department via the Weatherization Innovation Pilot Program, for the purpose of developing and implementing state and regional programs to treat harmful substances, including vermiculite.

The agreement supports WAP's continued participation in the interagency working group on Healthy Homes and Energy with the Department of Housing and Urban Development. The Department is encouraged to further coordinate with the Office of Lead Hazard Control and Healthy Homes on energy-related housing projects occurrence of window replacements, which supports the reduction of lead-based paint hazards in homes.

The agreement notes that the Department is working to update the Weatherization Assistance Program and encourages the Department to update the calculation of the Savings-to-Investment Ratio (SIR) to reflect total whole home savings and to account for the total value measures that keep homes prepared for future climate conditions. The Department is encouraged to continue its work enabling states to create priority lists of measures to reduce energy audit time and increase the rate of production.

The Department is encouraged to work with all relevant stakeholders to identify efficiencies for delivering weatherization services and examine options to streamline policies and procedures when other funding sources are utilized in conjunction with funds from the Department. The Department is encouraged

to prioritize initiatives that promote green, healthy, and climate resilient schools, libraries, and other public buildings.

State Energy Program.—The Department is directed to support technical assistance on energy and related air quality in schools.

The Department is encouraged to prioritize initiatives that promote green, healthy, and climate resilient schools, libraries, and other public buildings.

MANUFACTURING AND ENERGY SUPPLY CHAINS

The agreement provides up to \$15,000,000 to support the Industrial Assessment Center (IAC) program. The Department is directed to apply the additional funding to support regions that are currently designated as underserved through the IAC program.

FEDERAL ENERGY MANAGEMENT PROGRAM

The agreement provides up to \$2,000,000 for workforce development and the Performance Based Contract National Resource Initiative.

The Department is directed to continue the consideration of all AFFECT grant funding to be leveraged through private sector investment in federal infrastructure to ensure maximum overall investment in resiliency, efficiency, emissions reductions, and security. The Department is encouraged to prioritize funding to projects that attract at least ten dollars for each federal dollar invested and that utilize public-private partnerships like energy savings performance contracts (ESPCs) and utility energy service contracts (UESCs).

The agreement supports the Net-Zero Laboratory Initiative to achieve ambitious, real-world pathways to net-zero emissions with enhanced resilience. The Department is directed to continue this effort. The Department is encouraged to prioritize funding projects from the national laboratory pilot's established roadmaps to catalyze adoption not only for other national laboratories but also to the entire federal agencies' operational footprints.

CORPORATE SUPPORT

Program Direction.—The agreement provides not less than \$22,000,000 for the Office of State and Community Energy Programs, not less than \$1,000,000 for the Office of Manufacturing and Energy Supply Chains, not less than \$14,000,000 for the Federal Energy Management Program, and not less than \$180,000,000 for the Office of Energy Efficiency and Renewable Energy.

CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE

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

Additional direction related to Department-wide crosscutting initiatives is provided under the heading Crosscutting Initiatives in the front matter of Department of Energy.

The Department is directed to include an itemization of funding levels below the control point in future budget submissions.

Given concerns about the longstanding lack of clarity on the Department's cyber research and development responsibilities, CESER is directed to coordinate with the Office of Electricity and relevant applied energy offices in clearly defining these program activities. The Department is directed to provide the Committees quarterly updates on these topics.

In light of documented cyber targeting of utilities, including by state actors, the agreement encourages the Department to incorporate pilot programs with private sector participants to demonstrate active defense cybersecurity protection.

The Department is encouraged to develop cybersecurity consortiums of public-private-partnerships between public universities, local and state government, and private industry to develop a community of relevance in cybersecurity workforce development for the energy sector.

The Department is encouraged to expand student research participant opportunities within its cyber workforce development programs and projects by expanding its utilization of the DOE Scholars Program.

Risk Management Technology and Tools.—The agreement provides \$20,000,000 for the Cyber Testing for Resilient Industrial Control System (CyTRICS) program.

The agreement provides \$5,000,000 for consequence-driven cyber-informed engineering, and \$5,000,000 to support efforts to enable security by design through execution of the national cyber-informed engineering strategy.

The agreement provides not less than \$6,800,000 to expedite development and testing of secure inputs, processing, and outputs of systems utilizing novel cybersecurity technology.

The agreement provides up to \$5,000,000 for university-based research and development of scalable cyber-physical platforms for resilient and secure electric power systems that are flexible, modular, self-healing, and autonomous. This activity should be conducted in coordination with the Office of Electricity.

The agreement provides not less than \$5,000,000 to conduct a demonstration program of innovative technologies, such as technologies for monitoring vegetation management, to improve grid resiliency from wildfires.

The Department is encouraged to establish partnerships among universities and national laboratories to advance research on cyber-immune critical infrastructure.

The agreement provides up to \$2,500,000 for regional-scale high-performance computer simulations of earthquake analysis of the energy system.

Preparedness, Policy, and Risk Analysis.—The Department is encouraged to continue trusted partnerships with information sharing platform providers which reduce security risks by not collecting and centralizing sensitive data such as IP addresses, logs, packet captures and file names and keep participants' data on premises. The recommendation provides up to \$10,000,000 to expand collective defense and community-wide visibility programs designed for operational technology and industrial control system networks.

The agreement supports Departmental initiatives focused on cybersecurity risk information-sharing and secure data anonymization and analysis for both operational and information technology components of equipment commonly utilized in both the bulk power system and distribution systems. The Department is encouraged to prioritize enrolling under-resourced electric utilities in such programs, particularly rural electric cooperatives and municipally-owned entities.

ELECTRICITY

The agreement provides \$350,000,000 for Electricity. Given concerns about the longstanding lack of clarity on the Department's cyber research and development responsibilities, the Office of Electricity (OE) is directed to coordinate with the Office of Cybersecurity, Energy Security, and Emergency Response (CESER) and other relevant offices in clearly defining these program activities. The Department is expected to integrate cybersecurity, where relevant, throughout all of OE's research, development, demonstration, and deployment activities. The Department is directed to provide the Committees quarterly updates on these topics.

Additional direction related to Department-wide crosscutting initiatives is provided under the heading Crosscutting Initiatives in the front matter of Department of Energy.

The Department is directed to include an itemization of funding levels below the control point in future budget submissions.

The agreement provides up to \$15,000,000 for energy storage technology and microgrid assistance to assist electric cooperatives and municipal power utilities in deploying energy storage and microgrid technologies.

The Department is directed to provide to the Committees not later than 180 days after enactment of this Act a report related to the ability of the electric system to meet the demand of new electric vehicle charging infrastructure. The report should anticipate the growth in the use of light duty, medium duty, and heavy duty electric vehicles and assess how much additional electric generation, transmission, and distribution capacity will need to be added to the electric system to meet demand. Further, the Department is encouraged to develop a plan on how the Department can assist the electric system in meeting the anticipated increase in demand, and then provide Congress with recommendations on how the study can be supported legislatively. The Department is directed to provide to the Committees not later than 90 days

after submission of the report a plan, including recommendations, on how the Department can assist the electric system in meeting the anticipated increase in demand. For the report and plan, OE is directed to coordinate with the Grid Deployment Office, the Vehicle Technologies Office, and the Joint Office of Energy and Transportation.

GRID CONTROLS AND COMMUNICATIONS

Resilient Distribution Systems.—The Department is directed to continue efforts to support the integration of sensors into the nation's electric distribution systems, fundamental research and field validation of microgrid controllers and systems, and transactive energy concepts, including studies and evaluations of energy usage behavior in response to price signals. The agreement places a high priority on addressing the challenges facing the electric power grid by advancing the deployment of innovative technologies, tools, and techniques to modernize and increase the resiliency of the distribution portion of the electricity delivery system. The Department is encouraged to work with national laboratories and industry to advance best practices to technology deployment and adoption across the country.

The Department is encouraged to pursue strategic investments to improve reliability, resilience, outage recovery, and operational efficiency, building upon previous and ongoing grid modernization efforts.

In addition to emerging fuel technologies for distributed grids, the Department is directed to evaluate currently available distributed fuels, such as propane-fueled microgrids and their ability to be paired with renewable technology.

The Department is directed to focus on identifying and addressing technical and regulatory barriers impeding grid integration of distributed energy systems to reduce energy costs and improve the resiliency and reliability of the electric grid and funds provided for the Advanced Grid Research and Development Division for these activities. The agreement supports advanced control concepts and open test beds for new distribution control tools for enhanced distribution system resilience.

The agreement provides up to \$5,000,000 to evaluate and identify a standard approach to modeling distributed energy resources.

OE is encouraged to focus on identifying and addressing technical and regulatory barriers impeding grid integration of distributed energy systems to reduce energy costs and improve the resiliency and reliability of the electric grid.

The Department is directed to support the COMMANDER (Coordinated Management of Microgrids and Networked Distributed Energy Resources) National Test Bed to establish a data link for a back-up operations center that can benefit utility companies across the country and support the North American Energy Resilience Model.

The agreement provides not less than \$15,000,000 for a demonstration project with the Department's Grid Sensors and Sensor Analytics program. The demonstration activities may focus on utilizing data from distribution utilities that have deployed advanced metering infrastructure.

The agreement provides \$10,000,000 for coordinated research, development, deployment, and training related to advanced microgrid-enabling technologies, with a focus on underserved and Indigenous communities in remote and islanded areas. The Department is directed to partner with organizations with specialized experience addressing local energy challenges, including community-based organizations and institutions of higher education, with a priority for minority-serving institutions.

Cyber Resilient and Secure Utility Communications Networks.—The agreement provides \$10,000,000 for the DarkNet project to explore opportunities for getting the nation’s critical infrastructure off the Internet and shielding the nation’s electricity infrastructure from disruptive cyber penetration, including expansion of the communications network architecture and development of cutting-edge networking technologies.

OE is directed to coordinate with CESER on university-based research and development of scalable cyber-physical platforms for resilient and secure electric power systems that are flexible, modular, self-healing, and autonomous.

The agreement provides up to \$5,000,000 for OE to partner with utility-led facilities to evaluate and commission new distribution communications and control technologies for a secure smart grid.

GRID HARDWARE, COMPONENTS, AND SYSTEMS

Energy Storage.—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 U.S.-controlled, U.S.-made, and North American sourced and supplied. The Department is directed to include in this program large scale commercial development and deployment of long cycle life, lithium-grid scale batteries and their components.

Transformer Resilience and Advanced Components.—The agreement provides up to \$5,000,000 for the Grid Research Integration and Demonstration Center.

The Department is directed to develop a high voltage direct current (HVDC) moonshot initiative to support research and development to reduce the costs of HVDC technology and long-distance transmission, including for nascent superconducting technology.

The Department is encouraged to conduct research to reduce costs associated with high voltage direct current converter stations. The agreement recognizes the Department’s role in the development of a standardized power electronic converter applied across a range of grid applications, coupled with the need to reduce transmission costs and improve reliability through advanced technological research. The agreement emphasizes the security and economic imperative of fostering and maintaining a robust domestic supply chain of transformers and components, including the largest capacity transformers.

The agreement reiterates concerns about the escalating cost of rebuilding utility infrastructure in regions subject to the effects of extreme weather and climate change and considers the most appropriate strategy to rebuild federally funded utility infrastructure only to specifications that can withstand foreseeable environmental outcomes.

The Department is directed to continue to support research and development for advanced components and grid materials for low-cost power flow control devices, including both solid-state and hybrid concepts that use power electronics to control electromagnetic devices and enable improved controllability, flexibility, and resiliency. Because there are limited viable alternatives to Sulfur Hexafluoride (SF6) in power generation and transmission equipment above 72kV, the Department is encouraged to support research and development to advance safe and effective capture and reuse technologies for the use of SF6 in components like circuit breakers. Below 72kV power generation and distribution equipment is fully capable of being designed and manufactured without SF6; therefore, the Department is directed to support research and development to advance safe and effective alternatives to SF6, including in circuit breakers, reclosers, sectionalizers, load break switches, switchgear and gas insulated lines.

GRID DEPLOYMENT

The Department is encouraged to provide public utility commissions and state energy offices with technical assistance for understanding distribution planning, interconnection, and modeling of distributed energy sources.

The Department is encouraged to deploy transmission facilities and related technologies by enhancing the reliability and resilience of the bulk power system, including HVDC transmission networks and interregional connections, and integrating power-generating resources into the electric grid. Further, the Department is encouraged to develop opportunities for connecting areas of high energy resources to areas of high energy demand, including offshore transmission, and for linking together transmission planning regions and other activities that would ensure deployment of bulk power across a national electric grid.

Wholesale Electricity Market Technical Assistance and Grants.—The Department is directed to provide technical and financial assistance to states and regions to develop market governance, planning and policy, and regulatory development assistance related to the formation, expansion, or improvement of grid regions to ensure a clean, reliable, resilient, and equitable grid.

NUCLEAR ENERGY
(INCLUDING TRANSFER OF FUNDS)

The agreement provides \$1,473,000,000 for Nuclear Energy.

Additional direction related to Department-wide crosscutting initiatives is provided under the heading Crosscutting Initiatives in the front matter of Department of Energy.

The Department is reminded that it does not have authority to redirect any appropriations between control points. Transfer or reprogramming of funds requires congressional approval. The Department may not repurpose or re-scope projects identified in control points without prior congressional notification.

The Department has not provided the report directed by the fiscal year 2022 Act related to thorium molten-salt reactors. The Department is directed to provide the report not later than 15 days after enactment of this Act.

The fiscal year 2020 Act required the Department to contract with the National Academy of Sciences on a report to study the non-proliferation and security risks and international safeguards challenges associated with advanced nuclear reactors and related fuel cycle technologies, including the fuel cycle for small modular reactors. The Department is directed to provide to the Committees not later than 90 days after enactment of this Act a report and briefing describing how it plans to implement recommendations from the report, including how it would propose to fund advanced reactors that produce lower waste yields, compared to traditional reactors.

Nuclear Energy University Program (NEUP).—The Department is directed to provide to the Committees prior to the obligation of these funds a detailed spending and execution plan for NEUP activities. The Department is directed to provide to the Committees not later 90 days after enactment of this Act and quarterly thereafter briefings on the implementation of NEUP. Within available funds for NEUP, SBIR/STTR, and TCF, the agreement provides \$6,500,000 for the University Nuclear Leadership Program, previously funded as the Integrated University Program. The agreement supports the diversification of financial assistance it provides through the program to include supporting nontechnical nuclear research that serves to increase community participation and confidence in nuclear energy systems. Within available funds for NEUP, SBIR/STTR, and TCF, the agreement provides \$17,500,000 for University Fuel Services, previously funded as Research Reactor Infrastructure. The Department is directed to provide to the Committees not later than 180 days after enactment of this Act a report detailing the needs of university reactor refurbishments and the potential need to upgrade or build additional university reactors. The report shall include a detailed plan including total lifecycle costs and associated funding profiles for potential new university reactors. The agreement does not provide any funds for the planning and construction of new university nuclear reactors. Within available funds for NEUP, SBIR/STTR, and TCF, the agreement provides up to \$12,000,000 to revitalize existing university nuclear research infrastructure, especially in support of nuclear cyber-physical protection, new digital technologies in advanced nuclear reactors, and the development and safety assessments of small modular reactors.

Advanced Reactor Licensing.—The agreement provides up to \$5,000,000 for the Advanced Nuclear Licensing Energy Cost-Share Grant Program as authorized under 42 U.S.C. 16280.

The agreement recognizes the importance of creating a domestic graphite supply for the nuclear energy industry. The Department is encouraged to explore activities to secure a domestic supply of nuclear grade graphite at synthetic graphite facilities that are U.S.-based and U.S.-owned.

NUCLEAR ENERGY ENABLING TECHNOLOGIES

The agreement provides \$12,000,000 for integrated energy systems.

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

Joint Modeling and Simulation Program.—The agreement continues the requirement that use and application of the codes and tools shall be funded by the end user, not the Joint Modeling and Simulation Program.

FUEL CYCLE RESEARCH, DEVELOPMENT, AND DEMONSTRATION

The agreement supports availability of high-assay low-enriched uranium (HALEU) and other advanced nuclear fuels, consistent with section 2001 of the Energy Act of 2020.

Advanced Nuclear Fuel Availability.—The Department is directed to conduct these activities in a manner that will encourage, rather than discourage, the private sector commercialization of HALEU production. The Department is directed to disburse these funds on a competitive basis.

The Department is encouraged to utilize a competitive solicitation process to send a signal to potential domestic and international customers that the United States strongly supports the deployment of advanced reactors on the earliest possible schedule. Upon approval from the Committee, the Department may proceed with issuing a solicitation, awarding selections, and expeditiously executing the contracts without any further delays.

The Department is directed to provide to the Committees not later than 30 days after enactment of this Act and not less than 60 days prior to the obligation of Advanced Nuclear Fuel Availability funds the report required by section 2001(b)(2) of the Energy Act of 2020. This report shall include, at a minimum, a plan for the program that includes specific milestones and timelines for completion of the program, as well as expected out-year costs.

The Department is directed to provide to the Committees not later than 30 days after enactment of this Act a report explaining how the Department plans to support the first core loads needed by the Advanced Reactor Demonstration Program (ARDP) awardees to maintain and not delay the scheduled timelines of the demonstration projects.

The Department is encouraged to ensure that all federally-funded transfers and shipments of uranium hexafluoride and depleted uranium hexafluoride shall, to the extent practicable, use American manufactured shipping cylinders and transportation casks.

Material Recovery and Waste Form Development.—The agreement provides not less than \$27,000,000 for EBR-II Processing for HALEU. The Department is encouraged to continue activities related to the ZIRCEX process.

Accident Tolerant Fuels.—The agreement provides \$114,000,000 for development of nuclear fuels with enhanced accident-tolerant characteristics to significantly mitigate the potential consequences of a nuclear accident. The agreement provides not less than \$15,000,000 for further development of silicon carbide ceramic matrix composite fuel cladding for light water reactors. The agreement notes a concern that funding for the industry-led portions of the Accident Tolerant Fuels program is not being obligated by the Department in a timely manner. The Department is reminded reallocation or reprogramming of funds require the Committees' approval. The Department is directed to align its contracts with the three industry-lead teams with the provided funding. The Department is directed to provide to the Committees not later than 15 days after enactment of this Act a table summarizing the allocation of fiscal year 2023 funds.

TRISO Fuel and Graphite Qualification.—The agreement provides \$10,000,000 to continue the transition of TRISO fuel to a multiple-producer market, ensuring that more than one industry source would be available to the commercial and government markets.

Fuel Cycle Laboratory R&D.—The agreement provides not less than \$10,000,000 for an advanced metallic fuels program.

Used Nuclear Fuel Disposition R&D.—The agreement provides \$5,000,000 for advanced reactor used fuel disposition.

The Department is directed to develop an integrated strategy between the Office of Nuclear Energy and the Office of Environmental Management to establish a road-ready, dry storage packaging configuration capability for Department-owned spent fuel. The Department is directed to provide to the Committees not later than 180 days after enactment of this Act a briefing, including participation from the Office of Nuclear Energy and the Office of Environmental Management, on an implementation strategy for these activities.

Integrated Waste Management System.—The Department is directed to move forward under existing authority to identify a site for a federal interim storage facility. The Department is further directed to use a consent-based approach when undertaking these activities.

The Department is directed to continue site preparation activities at stranded sites, to evaluate the re-initiation of regional transport, and to undertake transportation coordination efforts.

REACTOR CONCEPTS RESEARCH, DEVELOPMENT, AND DEMONSTRATION

Advanced Small Modular Reactor RD&D.—The agreement provides \$165,000,000 for ongoing demonstration activities. Within these funds, consistent with the budget request not more than \$30,000,000 is provided consistent with the existing cooperative agreement DENE0008928. Prior to the obligation of more than 95 percent of fiscal year 2023 funding, the Department is directed to conduct independent cost and project management analyses of ongoing demonstration activities through the Office of Clean Energy Demonstrations, similar to the demonstrations of the Advanced Reactor Demonstration Program.

Advanced Reactor Technologies.—The agreement provides not less than \$8,500,000 for Advanced Reactor Concepts and up to \$20,000,000 for MARVEL. The agreement provides not less than \$5,000,000 for continued work on the Supercritical Transformational Electric Power Research and Development. The agreement supports the collaboration between the national laboratories and industry partners to develop and validate sCO₂ power conversion specifically for modular micronuclear reactors by spring of 2023. This work should continue to be coordinated with the Office of Fossil Energy and Carbon Management.

ADVANCED REACTOR DEMONSTRATION PROGRAM

The Department is directed to continue to ensure the ARDP moves forward expeditiously and to clearly articulate future funding needs for the programs within the ARDP in future budget requests. The Department is directed to continue to focus resources on partners capable of project delivery in the next four to six years.

National Reactor Innovation Center.—The agreement supports capital design and construction activities for demonstration reactor test bed preparation at Idaho National Laboratory supporting advanced reactor demonstration activities.

Construction.—Funds above the request are provided to complete preliminary design and initiate construction for the Safeguards Category 1 advanced reactor testbed at the Idaho National Laboratory.

INFRASTRUCTURE

ORNL Nuclear Facilities Operations and Maintenance.—The agreement provides \$20,000,000 to be transferred to the Office of Science for the continued safe operations and maintenance of the Oak Ridge National Laboratory hot cells.

INL Facilities Operations and Maintenance.—The agreement provides \$318,924,000 for INL Facilities Operations and Maintenance.

FOSSIL ENERGY AND CARBON MANAGEMENT

The agreement provides \$890,000,000 for Fossil Energy and Carbon Management.

Additional direction related to Department-wide crosscutting initiatives is provided under the heading Crosscutting Initiatives in the front matter of Department of Energy.

The agreement does not support the closure of any National Energy Technology Laboratory (NETL) site and provides no funds to plan, develop, implement, or pursue the consolidation or closure of any of the NETL sites.

The agreement includes not less than \$5,000,000 for integrated energy systems.

The Department is directed to continue efforts to support natural gas demand response pilot programs.

The Department is directed to support research, development, and demonstration activities to show the increased viability of renewable LPG and to pursue new production pathways from sustainable aviation fuel production, landfill waste, and animal waste.

The Department is directed to support pilot and demonstration activities for chemical looping hydrogen production and carbon capture. The Department is encouraged to support a chemical looping hydrogen production and carbon capture commercial demonstration project using natural gas, biomass, or coal to demonstrate the technical, operational, and economic advantages of chemical looping for clean hydrogen production and carbon capture.

The agreement supports the Department's efforts to offer undergraduate, graduate, and post-graduate students majoring in scientific, technology, engineering, and mathematics (STEM) disciplines the opportunity to learn about programs, policies, and research, development, demonstration, and deployment initiatives within the Office of Fossil Energy and Carbon Management.

The Department is encouraged to prioritize Carbon Capture Utilization and Storage (CCUS) funding on projects and research that look to reduce the cost of these technologies for commercial deployment.

Solid Oxide Fuel Cell Systems & Hydrogen.—The agreement provides not less than \$121,000,000 for the research, development, and demonstration of solid oxide fuel cell systems and hydrogen production, transport, storage, and use systems.

The agreement provides up to \$50,000,000 to assess solutions to decrease potential emissions of nitrogen oxides from the direct combustion of hydrogen in natural gas fired power plants.

The agreement supports the continuation of the Energy Department's Cooperative Agreements to develop cost sharing partnerships to conduct basic, fundamental, and applied research that assist industry in developing, deploying, and commercializing efficient, low-carbon, nonpolluting energy technologies that could compete effectively in meeting requirements for clean fuels, chemical feedstocks, electricity, and water resources.

National Carbon Capture Center.—The agreement provides funding for the Department’s National Carbon Capture Center consistent with the cooperative agreement. The Department is directed to use funds within CCUS and Power Systems for research and development across a broad range of technology and fuel applications as it determines to be merited.

The agreement provides \$10,000,000 for a laboratory demonstration project for carbon-neutral methanol synthesis from direct air capture and carbon-free hydrogen production.

Interagency Working Group on Coal and Power Plant Communities.—The agreement supports the Administration’s efforts to assist coal communities through their Interagency Working Group on Coal and Power Plant Communities and Economic Revitalization which is led by the Department. The agreement provides \$3,000,000 for these efforts.

CARBON MANAGEMENT TECHNOLOGIES

The Department is directed to conduct CCUS activities, including front-end engineering and design studies, large pilot projects, and demonstration projects that capture and securely store volumes of carbon dioxide from fossil energy power plants, industrial facilities, or directly from the air consistent with the objectives of title IV of the Energy Act of 2020.

The Department is encouraged to assess environmental issues that are common to carbon management infrastructure projects and, where appropriate, consider proposing criteria for required environmental reviews, in consultation with the Council on Environmental Quality, as they relate to carbon management technologies.

The Department is directed to conduct research, development, and demonstration activities, including studies and pilots, to identify categories of possible mineral and waste feedstocks across the United States suitable for use in CCUS technologies; assess the feasibility for technology deployment using such feedstocks to enable the production of low carbon cement/concretes, building materials, consumer items and other manufactured products; and identify applications and validate and quantify the low carbon attributes of these products. The Department is encouraged to carry out these activities in consultation with leading industry specialists and in collaboration with national laboratories. The Department is encouraged to continue supporting activities to assist communities in the design and construction of pilot-scale equipment and systems necessary to demonstrate CCUS at waste to energy plants.

The Department is directed to establish a program to support research and development of novel, proof-of-principle carbon containment projects with the goal of finding and de-risking methods and locations to remove atmospheric carbon dioxide that are effective, safe, low cost, and scalable. The agreement provides up to \$50,000,000 to support work at multiple sites to pursue research, development, and deployment of carbon containment technologies and proximate carbon dioxide capturing systems that also meet regional economic and ecological restoration policy goals such as catastrophic wildfire mitigation and job creation.

Carbon Capture.—The agreement provides not less than \$15,000,000 for research and optimization of carbon capture technologies at industrial facilities and not less than \$20,000,000 for research and optimization of carbon capture technologies for natural gas power systems.

The agreement provides up to \$75,000,000 to support front-end engineering and design studies, including for the development of a first-of-its-kind carbon capture project at an existing natural gas combined cycle plant, large pilot projects, and demonstration projects. The Department is encouraged to prioritize entities that are primarily engaged in the generation of electricity from natural gas in competitive power markets.

Carbon Dioxide Removal.—The agreement provides up to \$15,000,000 for research, development and demonstration activities related to the indirect sequestration of carbon dioxide in ocean waters.

Carbon Utilization.—The agreement supports carbon utilization research, development, and demonstration activities to advance valuable and innovative uses of captured carbon, including conversion to products such as chemicals, plastics, building materials, and fuels. The Department is directed to support the evaluation of carbon utilization pathways for consideration under section 45Q of Title 26 CFR.

The Department is encouraged to support technologies that significantly improve the efficiency, effectiveness, costs, emissions reductions, and environmental performance of carbon dioxide captured from coal, natural gas, industrial facilities, and other sources to produce fuels and other valuable products.

The agreement provides not less than \$10,000,000 for research and development of carbon utilization using algal systems.

The Department is encouraged to support research and development activities in the Carbon Utilization Program to support valuable and innovative uses of captured carbon, including biological utilization by the conversion of carbon dioxide to high value products such as chemicals, plastics, building materials, curing for cement, and the integration of carbon utilization technologies with fossil fuel power plants, such as biological conversion systems.

Carbon Transport and Storage.—The agreement provides not less than \$40,000,000 for CarbonSAFE and not less than \$20,000,000 for the Regional Carbon Sequestration Partnerships (the Regional Initiatives). The Department is directed to expeditiously award the fiscal year 2022 funds and to provide the Committees regular updates on these activities.

The agreement supports the Department's efforts to support front-end engineering and design for carbon dioxide transport infrastructure necessary to deploy CCUS technologies.

Within the amounts provided for Carbon Storage, the Department is encouraged to support surveys and site characterization of promising ocean-based geologic formations, and to partner with non-federal entities with the technological capabilities to accelerate and improve this process.

Hydrogen with Carbon Management.—The Department is encouraged to support hydrogen research, development, and demonstration activities that support fossil fuel-derived hydrogen production equipped with CCUS technologies that results in significantly reduced carbon dioxide intensity. The agreement supports continued collaboration with the Office of Energy Efficiency and Renewable Energy, the Office of Electricity, and the Office of Nuclear Energy.

The agreement provides not less than \$30,000,000 for Advanced Turbines to carry out research, development, and demonstration to develop near-zero-emission advanced turbine technologies.

The agreement provides up to \$50,000,000 for materials research and development. The Department is directed to support the development of ceramic matrix composite (CMC) materials in accordance with the CMC Manufacturing Roadmap and section 4005 of the Energy Act of 2020.

The Department is encouraged to continue work on coal and coal biomass to both liquids and solids activities and encourages the Department to focus on research and development to improve cost and efficiency of coal-to-fuels technology implementation and polygeneration.

The agreement provides \$1,500,000 to accelerate development and deployment of wireless sensor systems for coal-fired power generation in order to improve generative efficiency, reduce emissions, and lower maintenance costs.

The agreement supports competitively awarded research and development activities, coordinated with the Offices of Nuclear Energy and Energy Efficiency and Renewable Energy, to advance the use of supercritical power cycles.

RESOURCE TECHNOLOGIES AND SUSTAINABILITY

The agreement provides up to \$30,000,000 for the Department to assist in the discovery, identification, and characterization of undocumented orphan oil and gas wells.

Advanced Remediation Technologies.—The agreement provides up to \$20,000,000 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 not less than \$19,000,000 for Unconventional Field Test Sites. The Department is directed to maintain robust efforts in enhanced recovery technologies.

The agreement provides \$10,000,000 for further research on multipronged approaches for characterizing the constituents of and managing the cleaning of water produced during the extraction of oil and natural gas, of which \$8,000,000 is available to partner with research universities engaged in the study of characterizing, cleaning, treating, and managing produced water and who are willing to engage through public private partnerships with the energy industry to develop and assess commercially viable technology to achieve the same.

The agreement provides up to \$7,000,000 for the Risk Based Data Management System. The agreement supports the continued funding of the Risk Based Data Management System, and in particular, its functions under FracFocus. FracFocus should maintain its autonomy and not be incorporated into any federal agency.

Methane Mitigation Technologies.—The agreement provides \$60,000,000 for Methane Mitigation Technologies, which includes activities previously funded through Emissions Mitigation from Midstream Infrastructure and Emissions Quantification from Natural Gas Infrastructure.

The Department is encouraged to support activities to develop and demonstrate an easily implementable, maintainable, and low-cost integrated methane monitoring platform. The Department is encouraged to accelerate development and deployment of high-temperature harsh-environment sensors, sensor packaging, and wireless sensor hardware for power generation.

The Department is encouraged to collaborate with external stakeholders in making use of commercial assets to monitor methane emissions from satellites and other methane emissions detection technologies to isolate the source of emissions at the individual facility level and to explore technologies, including in coordination with public-private partnerships, that promote innovative approaches, such as detection technologies in support of reducing methane gas emissions. The agreement provides up to \$5,000,000 for advanced observational technologies, as validated in peer-reviewed publications, to globally identify and mitigate methane and volatile organic compound emissions from existing operations assisting worldwide partners and governments deploy targeted reduction measures.

Natural Gas Decarbonization and Hydrogen Technologies.—The agreement provides up to \$10,000,000 for a demonstration project focused on producing hydrogen from the processing of produced water and mineral substances and transporting hydrogen using existing energy infrastructure.

The agreement provides up to \$10,000,000 for research to develop hydrogen transportation and storage infrastructure, including the safety, mechanical integrity and regulatory impacts of blending hydrogen into existing natural gas pipelines. Comprehensive planning approaches for transitioning segments of natural gas users to increased hydrogen use should be part of the program, including analysis of the infrastructure required to transport hydrogen.

The agreement supports the Department's efforts to utilize natural gas and related infrastructure more effectively for decarbonization solutions, including research to convert natural gas, natural gas liquids and other gas streams to low-carbon, sustainable products, including chemicals and fuels, such as ammonia and hydrogen. Further, the agreement supports comprehensive planning approaches for transitioning segments of the economy using hydrogen and other low-carbon fuels. This planning should include both production, storage, and transportation of these fuels. The Department is encouraged to establish the Center for Sustainable Fuels and Chemicals at the National Energy Technology Lab.

Mineral Sustainability.—The Department is directed to submit to the Committees not later than 180 days after enactment of this Act an assessment of the vulnerabilities to the U.S. energy system from foreign reliance for critical and strategic minerals and the actions the Department is taking to bolster domestic mineral production.

The Department is directed to conduct research and development to develop and assess advanced separation technologies for the extraction and recovery of rare earth elements and other critical materials from coal and coal byproducts. Further, the Department is directed to determine and mitigate any potential environmental or public health impacts that could arise from the recovery of rare earth elements from coal-based resources. The agreement provides up to \$6,000,000 for the Department, in collaboration with the Department of Commerce and U.S. Geological Survey, to pilot a research and development project to enhance the security and stability of the rare earth element supply chain. Research should include approaches to mining of domestic rare earth elements that are critical to U.S. technology development and manufacturing, as well as emphasize environmentally responsible mining practices. The Department is encouraged to partner with universities in these efforts.

The agreement provides up to \$5,000,000 for university-led consortium for research and development of biofilm-based barrier technologies to reduce methane emissions from orphan wells.

The Department is directed to continue its external agency activities to develop and test advanced separation technologies and accelerate the advancement of commercially viable technologies for the recovery of rare earth elements and minerals from byproduct sources. Research should support pilot-scale and experimental activities for near-term applications, which encompass the extraction and recovery of rare earth elements and minerals.

The Department is directed to continue the Carbon Ore, Rare Earths, and Critical Minerals (CORE–CM) Program.

The agreement provides up to \$10,000,000 for utilizing coal as a precursor for high-value added products at the Carbon Fiber Technology Facility.

NETL INFRASTRUCTURE

Within available funds for NETL Infrastructure, the Department is directed to prioritize funds for Joule, site-wide upgrades for safety, and addressing and avoiding deferred maintenance.

The agreement supports the Human Resources Shared Service Center.

ENERGY PROJECTS

The agreement provides \$221,968,652 for the Energy Projects account for Community Project Funding and Congressionally Directed Spending at the Department for the following list of projects.

The Committees remind recipients that statutory cost sharing requirements may apply to these projects.

The Department may use program direction funds from the appropriate program offices to implement these projects.

~~[INSERT TABLE]~~

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Community Project Funding and Congressionally Directed Spending of Energy Projects		
Project Name	Recipient	Amount
1.2 MW Floating Solar at the Southern Regional Water Supply Facility	Orange County, FL	\$500,000
115 kW Floating Solar Project at Utilities and Customer Administration Building	Orange County, FL	\$400,000
Accelerating Hydrogen Research in NY to Support Deployment of Clean Energy and Clean Industry	University at Buffalo	\$250,000
Acidic Water Pollution Cleanup and Community Economic Development through Domestic Production of Critical Minerals for National Security	The Pennsylvania State University	\$2,100,000
Advanced Energy Research Equipment	Emery County, UT, San Rafael Energy Research Center	\$1,492,000
Advanced Separation Technologies Research	Virginia Polytechnic Institute and State University	\$1,000,000
Alaska Liquid Natural Gas Pipeline Front-End Engineering and Design (FEED)	Alaska Gasline Development Corporation	\$4,000,000
Albuquerque Public Housing Electrification	Albuquerque Housing Authority	\$1,700,000
Ambler Tank Farm	City of Ambler	\$650,000
Beaver City Hydroelectric Plant Transportation Pipeline Replacement	Beaver City Corporation, UT	\$2,000,000
Belfair Electrical Capacity Infrastructure Project	Mason County Public Utility District No. 3	\$3,000,000
BioGas Turbine Driven Blower	City of Flint	\$1,000,000
Bluefield Battery Prototyping Laboratory - Phase 1	Center for Applied Research & Technology, Inc.	\$328,000
Brandon Senior Citizens Center Solar Project	Brandon Senior Citizens Center	\$7,000
Brewer Recreational Facility Energy Modernization Project	Town of Brewer	\$232,000
Caliente - Advanced Metering Infrastructure	City of Caliente	\$148,000
California State Maritime Academy Academic Microgrid	California State University Maritime Academy	\$1,000,000
Carr Park Resilient Community Solar	City of Medford, MA	\$1,500,000
Center for Wind Energy	University of Texas at Dallas	\$1,600,000
Central Maine Community College - Renewable Energy Project	Central Maine Community College	\$500,000
Chicago Libraries Solar Power Project	City of Chicago	\$1,000,000
City of Kenosha Solar Panels	City of Kenosha	\$3,000,000
City of Madison Truax Apartment Solar Project	City of Madison	\$1,500,000
City of Racine Storage Garage Site	City of Racine	\$1,235,000
City of Santa Clara - Fire Station Microgrid Project	City of Santa Clara	\$500,000
Clark County - Energy Efficiency	Clark County	\$1,000,000
Clean Energy for Facilities Project	City of Northglenn, CO	\$800,000
Clean Energy Wayfinders Program	Hawaii State Energy Office	\$1,000,000
Clean Heat Homes	Vermont Energy Investment Corporation	\$8,500,000
Clearwater Solar Panel Project	City of Clearwater, FL	\$949,500
Combined Heat and Power System for One North Commercialization Hub	Our Katahdin	\$2,500,000
Community Lighthouse Solar and Energy Storage Resilience	Together New Orleans	\$3,800,000

Community Project Funding and Congressionally Directed Spending of Energy Projects		
Project Name	Recipient	Amount
Como Park Zoo and Conservatory Hydro Geothermal Heat Pump	City of Saint Paul, MN	\$2,200,000
Craig Energy Center Feasibility Study	Tri-State Generation and Transmission, Inc.	\$200,000
Critical Mineral Analytical Training Center	University of California Riverside	\$2,000,000
Cyber-PERTT Technology	Louisiana State University	\$1,000,000
Cybersecurity Center for Offshore Wind energy	Old Dominion University	\$1,000,000
Cybersecurity Consortium for Innovation, University of Arkansas Little Rock	University of Arkansas at Little Rock	\$5,000,000
Decatur Police Department Energy Improvement Project	City of Decatur, Georgia	\$500,000
Denver and Arapahoe Disposal Site Renewable Natural Gas	City and County of Denver	\$150,000
District Energy Solar and Geothermal Improvements in Rochester, MN	City of Rochester	\$2,000,000
Edward Fenn Elementary School Solar Project	Gorham Randolph Shelburne Cooperative School Dist.	\$100,000
El Paso County LED Retrofit Energy Efficiency Project	El Paso County	\$445,000
El Paso International Airport Solar Covered Parking Project	City of El Paso, TX	\$1,750,000
Electric Power Testbed to Secure the U.S. Power Grid against Cyber Attacks	University of Tulsa	\$1,500,000
Electric Vehicle Automotive Certification Expansion	Southern Maine Community College	\$750,000
Electric Vehicle Charging Hubs with Energy Storage and Floating Solar	Orlando Utilities Commission, FL	\$3,000,000
Electrifying Homes in Low-Income Areas of Santa Fe	City of Santa Fe	\$250,000
Emergency Shelter Improvements in Madison, Connecticut	Town of Madison	\$1,000,000
Energy Assessments for Low Income Neighborhoods and Disadvantaged Communities	City of Ithaca	\$1,500,000
Energy DELTA Lab - Project Oasis	Energy DELTA Lab	\$1,500,000
Energy Efficiency and Renewable Energy Upgrades	Leahy Center for Lake Champlain, Inc.	\$1,600,000
Energy Efficient Retrofits	The Groden Network	\$250,000
Energy Efficient Upgrades	Providence Performing Arts Center	\$750,000
Energy Improvements for Rhode Island Public Buildings	Rhode Island Office of Energy Resources	\$5,000,000
Energy Improvements of Fire Stations	City of Shawnee, KS	\$126,750
Enhanced Grid Cybersecurity Threat and Vulnerability Management	JEA	\$400,000
Enhanced Treatment and Site Upgrade Campus Solar Project	Union Sanitary District	\$2,150,000
Enhancing the Royal Oak Farmers Market as a Community Resiliency Hub	City of Royal Oak	\$411,000
Euclid Microgrid	Cuyahoga County	\$1,500,000
Forging Oregon's Renewable Energy Source Transition Through Reimagining Education + Energy (FOREST TREE)	Southern Oregon University	\$2,000,000
Fremont Municipal Critical Facility Resilience Battery Systems	East Bay Community Energy	\$1,000,000
Georgia Hydrogen Testing Consortium	Georgia Institute of Technology	\$4,000,000
Geothermal Heating and Cooling System	Aquarium of Niagara	\$694,925
Golden Gate National Recreation Area Solar Energy Production and Storage Project	Golden Gate National Parks Conservancy	\$3,000,000
Green Era Anaerobic Digester	Green Era Educational NFP	\$3,888,000

Community Project Funding and Congressionally Directed Spending of Energy Projects		
Project Name	Recipient	Amount
Green Hydrogen Laboratory Equipment	Colorado School of Mines	\$3,000,000
Ground Mount Solar	Town of Stratford	\$67,000
Hardwood Cross Laminated Timbers for Energy Efficient Modular Homes	West Virginia University	\$1,200,000
Hayward Municipal Critical Facility Resilience Solar and Energy Storage	East Bay Community Energy	\$1,000,000
Historic Colonial Theatre Clean Energy Solar Array	Bethlehem Redevelopment Association	\$51,000
Ho'ahu Energy Cooperative Molokai's community-based renewable energy	Ho'ahu Energy Cooperative Molokai	\$3,000,000
Hydrogen Academic Programs to Enhance the Hydrogen Economy	University of Toledo	\$3,000,000
Hydrogen Electrolyzer Performance Research	Emery County, UT, San Rafael Energy Research Center	\$1,080,000
Hydrogen Infused Active Energy Emission Technology	Louisiana Tech University	\$1,100,000
Hydrokinetic Power System	City of False Pass	\$1,250,000
Largo Public Library Solar Installation Project	City of Largo, FL	\$265,000
Lincoln County Power District - Solar	Lincoln County Power District	\$1,750,000
Liquified Natural Gas Opportunity Study	Greene County Industrial Developments, Inc.	\$500,000
Low- and Moderate-Income Building Electrification	Montgomery County Maryland	\$1,000,000
Lower Willow Creek Micro-Hydro Electric Generation Project	City of Creede	\$425,000
Luzerne County Transportation Authority Solar Panel Installation	Luzerne County Transportation Authority	\$625,000
Marin Clean Energy Storage Program	Marin Clean Energy	\$500,000
Marine Energy Feasibility Study for Remote Alaskan Villages	Alaska Village Electric Cooperative, Inc.	\$1,500,000
Marjorie Post Community Park Solar Panels Project	Town of Oyster Bay, NY	\$1,000,000
Martin Luther King, Jr. Community Center Solar Panels	City of Dallas, TX, Office of Community Care	\$2,000,000
Maywood Community Resilience Center Energy Storage Project	City of Maywood, CA	\$250,000
Mecca and North Shore Electric Infrastructure Resiliency Project	Imperial Irrigation District	\$1,200,000
Medford Irrigation District Community Solar	Medford Irrigation District	\$1,120,000
Memorial Pools Energy Efficiency Retrofits	National September 11 Memorial and Museum	\$700,000
Midstream Critical Manufacturing Industry Cybersecurity Hub	Sul Ross State University	\$2,500,000
Millcreek Battery Project	City of Saint George, UT, Utility Department	\$1,000,000
Milpitas Carbon Neutral Homes Retrofit Program	City of Milpitas, CA	\$3,000,000
Model Regional Operations Center to Enhance the Cyber Security of the U.S. Electricity Sector	Auburn University	\$10,000,000
MultiCare Mary Bridge Hospital Electrical Infrastructure	MultiCare Mary Bridge Children's Hospital	\$5,500,000
Net-Zero Emissions at Public Schools in Manchester, CT	Town of Manchester	\$1,900,000
New Mexico State University Agrivoltaics Research Program	New Mexico State University	\$844,000
New River Feeder Electrical Substation	City of Fallon, NV	\$879,835
Northwestern Michigan College Campus Geothermal Project	Northwestern Michigan College	\$2,700,000
Omaha Public Power District Grid Resiliency and Modernization	Omaha Public Power District	\$7,787,500

Community Project Funding and Congressionally Directed Spending of Energy Projects		
Project Name	Recipient	Amount
Opportunity of Hope for Mental Health Solar Array	Monadnock Family Services	\$397,000
Pinewood Springs Energy Resiliency Microgrid	Poudre Valley Rural Electric Association	\$425,000
Port of Hueneme Comprehensive Climate Action and Adaptation Plan	Port of Hueneme, Oxnard Harbor District, CA	\$375,000
Quincy Solar Farm Project	City of Quincy	\$1,400,000
Regional Clean Electricity Plan for Local Governments in Metro Atlanta	Atlanta Regional Commission	\$750,000
Renewable Energy for Cold Storage Facility	Feeding America Tampa Bay Incorporated	\$2,258,992
Renewable Energy Outdoor Workforce Laboratory	Manchester Community College	\$1,000,000
Resilient Power for Community Health Centers	Clean Energy Group, Inc	\$500,000
Rindge Recreation Light Replacement	Rindge Recreation Department	\$138,000
Riverbank Community Center Microgrid Project	City of Riverbank, CA	\$2,500,000
Roof-Top Solar Array Gorham Public Works Garage	Town of Gorham	\$89,000
Savanna Industrial Park Anaerobic Digester	Jo-Carroll Local Redevelopment Authority	\$4,000,000
Schenectady Community Virtual Power Plant	City of Schenectady, NY	\$1,000,000
Scott Valley Biomass Utilization Project	Northern California Resource Center	\$1,000,000
SmartFlower Solar Installation and Renewable Energy Programming	Girl Scouts of the Colonial Coast	\$15,000
SMUD Neighborhood Electrification Project	Sacramento Municipal Utility District	\$3,000,000
Solar and Smart Grid Modernization at the Solar Energy Park	City of Ellensburg, WA	\$1,500,000
Solar Array for Higher Education	Lake Washington Institute of Technology	\$1,100,000
Solar at Capitol Market	Capitol Market Inc.	\$713,000
Solar Energy and Affordable Housing in Barrington and Keene	NH Community Loan Fund	\$750,000
Solar Energy Demonstration Project for Public Libraries	South Hero Library Foundation	\$57,000
Solar Energy Sustainability Project	Shelter Partnership	\$1,500,000
Solar Panel Installation at Department of Public Works Canopy	Township of Piscataway	\$250,000
Solar Panel Installation at Goucher College	Goucher College	\$750,000
Solar Panel Installations on Town Facilities	Town of Morrisville, NC	\$250,000
Solar Panels at Childcare Center	Children's Community Development Center, Inc.	\$165,000
Solar Workforce Training Lab	IMPACT Community Action	\$650,000
South Coast Air Quality Management District: Zero Emission Fuel Cell Locomotive	South Coast Air Quality Management District	\$500,000
Southeast Texas Data Analytics and Cybersecurity for Energy Supply Chain Resilience Project	Lamar University	\$2,000,000
St. Louis Park Electrify Community Cohort Grant Program	City of St. Louis Park	\$1,000,000
Stamford LED Streetlighting Project	City of Stamford	\$2,000,000
Sustainability Education Center for Education and Workforce Development	City of Anaheim, CA	\$3,000,000
Testbed for Clean Energy and Grid Modernization	New Mexico State University	\$1,600,000
Tompkins County EV ARC	Tompkins County	\$128,000

Community Project Funding and Congressionally Directed Spending of Energy Projects		
Project Name	Recipient	Amount
Town Hall - Energy Efficiency Upgrades	Town of Lincoln	\$125,000
Town of DeWitt Hydrogen Fueling Station	Town of DeWitt	\$280,000
Town of Hamden Administrative Building Energy Efficiency Improvements	Town of Hamden, CT	\$600,000
Town of Wardensville Photovoltaic Solar Field	Town of Wardensville	\$375,000
Transit Station Solar Energy and EV Charging Demonstration Project	SouthWest Transit	\$1,854,150
UCLA SeaChange: Carbon Sequestration Pilot	University of California Los Angeles	\$1,600,000
Unalaska Aging Infrastructure Replacement	City of Unalaska	\$2,500,000
University of Akron Research Foundation Managed Sustainable Electric Powered System for Summit County Multi-Unit Affordable Sustainable Housing	University of Akron Research Foundation	\$1,125,000
University of Nevada, Reno - Lithium Characterization Analysis	University of Nevada, Reno	\$1,600,000
University of Tulsa CO2 Transportation and Storage	University of Tulsa	\$1,250,000
University of Tulsa Produced Water Treatment using Compact Separator System	University of Tulsa	\$1,500,000
University of Tulsa Utilization of Existing Pipelines in Hydrogen Transport	University of Tulsa	\$1,250,000
Water Facilities Hydroelectric and Solar Project	City of Tampa, FL	\$2,000,000
West Virginia Regional Technology Energy Efficiency and Decarbonization Project	West Virginia Regional Technology Park Corporation	\$328,000
Willowbrook Wildlife Center Efficiency Improvements	Forest Preserve District of DuPage County, IL	\$2,000,000
Wilmington Electric Vehicle Direct Current Fast Charging Stations with Renewable Energy	City of Wilmington, IL	\$750,000
YMCA of Greater Nashua Solar Panel Installation	YMCA of Greater Nashua	\$459,000
YWCA Kauai solar-plus-storage resilience project	YWCA Kauai	\$110,000

NAVAL PETROLEUM AND OIL SHALE RESERVES

The agreement provides \$13,004,000 for the operation of the Naval Petroleum and Oil Shale Reserves.

STRATEGIC PETROLEUM RESERVE

The agreement includes \$207,175,000 for the Strategic Petroleum Reserve.

No funding is requested for the establishment of a new regional petroleum product reserve, and no funding is provided for this purpose. Further, the Department may not establish any new regional petroleum product reserves unless funding for such a proposed regional petroleum product reserve is explicitly requested in advance in an annual budget request and approved by Congress in an appropriations Act.

SPR PETROLEUM ACCOUNT

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

NORTHEAST HOME HEATING OIL RESERVE

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

ENERGY INFORMATION ADMINISTRATION

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

The agreement provides up to \$3,000,000 to conduct a monthly survey of electric and heating service providers of final termination notices sent due to bill non-payment, service disconnections due to bill non-payment, and Service reconnections of customers disconnected for bill non-payment, in a form and manner determined by the agency.

NON-DEFENSE ENVIRONMENTAL CLEANUP

The agreement provides \$358,583,000 for Non-Defense Environmental Cleanup.

Gaseous Diffusion Plants.—The agreement provides \$130,938,000 for cleanup activities at the Gaseous Diffusion Plants, including an additional \$7,500,000 above the budget request for infrastructure improvements required for the shipping and disposal of oxide cylinders, as well as to advance the near-term shipment of cylinders and may be used to demonstrate multicar oxide rail shipment at Paducah.

Small Sites.—The agreement provides \$132,463,000 for Small Sites cleanup. Within this amount, \$26,409,000 is for the Energy Technology Engineering Center, \$13,500,000 is for Idaho National Laboratory, \$15,000,000 is for work on the B71 complex at Lawrence Berkeley National Laboratory, \$67,000,000 is for Moab, and \$10,554,000 is for excess Office of Science facilities.

The agreement reiterates House direction regarding a briefing on historic preservation efforts associated with the deactivation and decommissioning of the S1W prototype reactor.

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

The agreement provides \$879,052,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund.

Portsmouth Site.—Within funds available for Pensions and Community and Regulatory Support, the agreement includes \$500,000 above the budget request to maintain community liaison activities and to provide technical and regulatory assistance to the local community and surrounding counties. Further, the agreement includes \$20,000,000 above the budget request to provide support for community-focused education and training opportunities and economic development initiatives in the local community and surrounding counties. The agreement reiterates House direction on air and ground water monitoring and reporting and land use planning.

Paducah Site.—Within available funding, \$2,000,000 is directed for a reindustrialization study to assess how the Department's efforts complement the community's long-term plans for reindustrialization and workforce development. The Department is encouraged to utilize the additional funds to advance deactivation work on the C-333 Process Building, one of the four large process buildings at the site. The agreement notes the progress of the workforce development partnership with labor unions to train workers in the fields of radiation protection and the Resource Conservation and Recovery Act to build up the next generation of field workers. The Department is encouraged to continue prioritizing partnerships by utilizing local community colleges and universities to train local citizens to advance the deactivation of C-333.

SCIENCE

The agreement provides \$8,100,000,000 for Science.

Additional direction related to Department-wide crosscutting initiatives is provided under the heading Crosscutting Initiatives in front matter for the Department of Energy.

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.

Biomedical Sciences.—The Department is encouraged to expand its relationships with NIH, including NIMH, to work together more strategically to leverage the Department's research capabilities, including instrumentation, materials, modeling and simulation, and data science. The facilities and equipment funded in this Act support applications in many areas of biomedical research. Better coordination between the Department and NIH could be instrumental in assisting to develop the nation's health, security, and technologies with novel biomedical application. The agreement includes not less than \$2,000,000 for collaboration with NIH within the Department's data and computational mission space.

Established Program to Stimulate Competitive Research.—The agreement provides not less than \$35,000,000 for EPSCoR. The Department is directed to continue annual or at minimum, biennial implementation grant solicitations. Further, EPSCoR shall be implemented and funded across all the Department of Science Programs.

Facility Operations.—The agreement notes disappointment with the Department's lack of support for robust user facility operations in the budget request. Supporting these vital user facilities should be a top priority for the Department to advance scientific discovery. The Department is directed to prioritize the stewardship of the user facilities in fiscal year 2023 and in future budget requests.

HBCU/MSI Engagement.—The agreement provides not less than \$60,000,000, including through the Reaching a New Energy Sciences Workforce (RENEW) and Funding for Accelerated, Inclusive Research (FAIR) programs, in support of the Office of Science's engagement with Historically Black Colleges and Universities (HBCUs) and other Minority Serving Institutions (MSIs) to build research capacity and workforce development.

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 Department shall continue its coordination efforts with the National Science Foundation, other federal agencies, private sector stakeholders, and the user community to promote researcher access to quantum systems, enhance the U.S. quantum research enterprise, develop the U.S. quantum computing industry, and educate the future quantum computing workforce. Further, the Department is directed to provide to the Committees not later than 90 days after enactment of this Act a report of near-term application developments and of the research funding breakdown across the five National Quantum Information Science Research Centers.

ADVANCED SCIENTIFIC COMPUTING RESEARCH

High Performance Computing and Network Facilities.—The agreement provides not less than \$175,000,000 for the Argonne Leadership Computing Facility, not less than \$255,000,000 for the Oak Ridge Leadership Computing Facility, and not less than \$130,000,000 for the National Energy Research Scientific Computing Center at Lawrence Berkeley National Laboratory. The agreement includes not less than \$90,000,000 to support necessary infrastructure upgrades and operations for ESnet.

The Department is directed to support continued planning and design for the High Performance Data Facility.

Mathematical, Computational, and Computer Sciences Research.—The agreement provides not less than \$300,000,000 for Mathematical, Computational, and Computer Sciences Research.

The agreement includes not less than \$15,000,000 and up to \$45,000,000 for the development of advanced memory technologies to advance artificial intelligence and analytics for science applications by a U.S.-based manufacturer of memory systems and memory semantic storage.

The agreement supports the Center for Advanced Mathematics for Energy Research Applications (CAMERA) and encourages the Department to support the creation of a crosscutting research program that leverages applied math, computer science and computational science to deliver artificial intelligence research, development, and deployment to increase the scientific productivity of the user facilities.

The agreement provides not less than \$20,000,000 for computational sciences workforce programs.

BASIC ENERGY SCIENCES

The agreement provides not less than \$130,000,000 for Energy Frontier Research Centers, \$25,000,000 for the Batteries and Energy Storage Hub, and not less than \$20,000,000 for the Fuels from Sunlight Hub.

The agreement provides \$1,000,000 to establish a center, with coordination between the national laboratories and universities, focused on computational research for precision design of materials. This research should be focused on developing computational research relevant to the Materials Genome Initiative, the National Quantum Initiative and Computational Materials Science in order to discover and understand advanced materials with unique properties that are able to develop new quantum device capabilities, such as enhanced resolution in imaging, sensors, and detectors, as well as significantly larger computational capabilities.

The agreement provides not less than \$566,000,000 for facilities operations of the nation's light sources, not less than \$311,000,000 for facilities operations of the high-flux neutron sources, and not less than \$149,000,000 for facilities operations of the Nanoscale Science Research Centers (NSRC).

The agreement provides not less than \$17,500,000 for other project costs, including \$5,000,000 for Advanced Photon Source Upgrade, \$4,000,000 for Linac Coherent Light Source-II-HE, \$5,000,000 for

the Second Target Station, not less than \$2,000,000 for HFIR Pressure Vessel Replacement, and \$1,500,000 NSLS-II Experimental Tools III.

The agreement includes \$25,000,000 for NSRC Recapitalization and not less than \$25,000,000 for NSLS-II Experimental Tools-II.

BIOLOGICAL AND ENVIRONMENTAL RESEARCH

The agreement includes not less than \$405,000,000 for Biological Systems Science and not less than \$425,000,000 for Earth and Environmental Systems Sciences.

The agreement provides up to \$20,000,000 to support low-dose radiation research. The Department is directed to coordinate this work with the Office of Environment, Health, Safety, and Security.

The agreement provides not less than \$110,000,000 for the Bioenergy Research Centers to accelerate research and development needed for advanced fuels and products.

The Department is directed to maintain Genomic Science as a top priority, and the agreement provides not less than \$109,000,000 for Foundational Genomics Research. Further, the agreement includes not less than \$45,000,000 for Biomolecular Characterization and Imaging Science. The agreement provides not less than \$90,000,000 for the Joint Genome Institute.

The Department is directed to support activities to advance Artificial Intelligence for Earth System Processes (AI4ESP) for integrating diverse observations and models, with a focus on water cycles, extreme hydrology in vulnerable watersheds critical for U.S. water resilience in a changing climate, and atmospheric cloud aerosols.

The Department is directed to support activities to develop integrated mountainous hydroclimate modeling and observational capabilities. The Department is directed to leverage activities supported by other federal agencies who are also active in investigating how the snow dominated Upper Colorado mountainous systems are responding to extreme events and gradual warming and the implications for water resilience in the western United States.

The Department is encouraged to support activities for academia to perform independent evaluations of climate models using existing data sets and peer-reviewed publications of climate-scale processes in order to determine various models' ability to reproduce the actual climate.

The agreement provides \$30,000,000 to continue the development of observational assets and support associated research on the nation's major land-water interfaces, including the Great Lakes and the Puget Sound, by leveraging national laboratories' assets as well as local infrastructure and expertise at universities and other research institutions. The Department is directed to provide the ten-year research plan to the Committees not later than 30 days after enactment of this Act.

The agreement provides not less than \$36,000,000 to improve the understanding of key cloud, aerosol, precipitation, and radiation processes. The Department is encouraged to coordinate with the Department of Homeland Security to improve modernization and adaptation of capabilities from the

National Infrastructure Simulation and Analysis Center to support climate impacts on infrastructure and communities. The Department is encouraged, in cooperation with other agencies as relevant, to implement a pilot program providing instrumentation for observing marine aerosols, greenhouse gases, and other environmental factors as relevant, deployed on commercial or other non-dedicated ocean vessels, and to evaluate a sustained observing network using such platforms. The agreement notes support for the Department's activities to support the previously-directed five-year plan and accompanying scientific assessment led by the Office of Science and Technology Policy on solar and other climate interventions.

The agreement supports the development and prototyping of fabricated ecosystem testbeds, sensing systems and data capabilities to enable interrogation of biological-environmental interactions across molecular to ecosystem-relevant scales-under controlled laboratory conditions and through remote connections to field observatories.

The agreement provides \$2,000,000 for academia to perform independent evaluations of climate models using existing data sets and peer-reviewed publications of climate-scale processes to determine various models' ability to reproduce the actual climate.

The agreement provides not less than \$120,000,000 for Environmental System Science.

The Department is directed to continue to support the Environmental System Science Focus Areas and enabling infrastructure, such as the SPRUCE manipulation site and management of the AmeriFLUX project.

The Department is directed to give priority to optimizing the operation of Biological and Environmental Research User Facilities. The agreement provides not less than \$65,000,000 for operation of the Environmental and Molecular Sciences Laboratory and supports investment in the microbial molecular phenotyping capability project. The agreement supports activities for the Atmospheric Radiation Measurement (ARM) User Facility.

FUSION ENERGY SCIENCES

The Department is directed to follow and embrace the recommendations of the Fusion Energy Sciences Advisory Committee's "Powering the Future: Fusion and Plasmas" report, and the Committees' endeavor to provide funding that reflects the prioritization developed through the community's consensus process. The Department is directed to include an explanation in future budget requests how the Department is aligning its Fusion Energy Sciences program with the recommendations of the "Powering the Future: Fusion and Plasmas" report.

The agreement provides not less than \$45,000,000 for Theory & Simulation and not less than \$81,000,000 for Burning Plasma Science Long Pulse.

The agreement provides not less than \$104,000,000 for NSTX-U, including NSTX-U Operations and NSTX-U Research.

The agreement provides not less than \$130,000,000 for DIII-D, including DIII-D Operations and DIII-D Research. The Department is encouraged to support activities to enable completion of planned facility enhancements, revitalization of critical equipment, and critical new tools to address critical research needs and secure U.S. leadership in support of ITER and a potential future fusion pilot plant. The Department is encouraged to provide increased research operations and enable broader participation in the DIII-D program by university researchers and graduate students, to fully exploit the world leading capabilities developed at the facility. Further, the Department is encouraged to support training activities at DIII-D for the next generation of fusion scientists.

The agreement includes not less than \$25,000,000 for the Milestone-Based Development Program.

The Department is encouraged to prioritize high-performance computation activities for fusion energy research.

The agreement provides up to \$32,000,000 for the High-Energy-Density Laboratory Plasmas to advance cutting-edge research in extreme states of matter, support and expand the capabilities of the LaserNetUS facilities, and continue investments in new intense, ultrafast laser technologies and facilities needed to implement the recommendations of the Brightest Light Initiative Workshop Report in order to retain U.S. leadership in these fields.

The agreement provides not less than \$14,000,000 for the Materials Plasma Exposure eXperiment.

The agreement provides \$5,000,000 to support research for facility enhancements and new development and test facilities for university-based fusion experiments.

The agreement provides \$242,000,000 for the ITER project. Within available funds for ITER, the agreement provides not less than \$70,000,000 for cash contributions.

The Department is encouraged to develop and support a national team for ITER research, operations, and commissioning, which is required to take full advantage of ITER when it is completed.

The agreement includes no direction regarding the FY22 required ITER information.

HIGH ENERGY PHYSICS

The agreement provides not less than \$35,000,000 for the Sanford Underground Research Facility. The agreement includes up to \$10,000,000 for the Cosmic Microwave Background-Stage 4.

The Department is encouraged to fund facility operations at levels for optimal operations. The Department is encouraged to fund facility operations and MIEs at optimal levels.

NUCLEAR PHYSICS

The Department is directed to give priority to optimizing operations for all Nuclear Physics user facilities.

The agreement provides not less than \$20,000,000 for other project costs for the Electron Ion Collider.

ISOTOPE R&D AND PRODUCTION

The agreement provides up to \$4,000,000 to increase their inventory of Sr-90 in light of the nation's growing demand for Sr-90 for multiple applications.

WORKFORCE DEVELOPMENT FOR TEACHERS AND SCIENTISTS

The Department is encouraged to continue to work with 2-year, community and technical colleges, labor, and nongovernmental and industry consortia to pursue job training programs, including programs focused on displaced fossil fuel workers, that lead to an industry-recognized credential in the energy workforce.

NUCLEAR WASTE DISPOSAL

The agreement provides \$10,205,000 for Nuclear Waste Disposal for Nuclear Waste Fund (NWF) oversight activities, which is derived from the NWF.

The Department is directed to provide to the Committees not later than 90 days after enactment of this Act a briefing on anticipated future-year requirements for NWF oversight activities.

TECHNOLOGY TRANSITIONS

The agreement provides \$22,098,000 for Technology Transitions.

The agreement provides not less than \$5,000,000 to support the Energy Program for Innovation Clusters Program.

The Department is directed to provide the Committees not later than 180 days after enactment of this Act a report outlining the office's five-year roadmap to achieving its goal of commercializing the Department's technology.

CLEAN ENERGY DEMONSTRATIONS

The agreement provides \$89,000,000 for Clean Energy Demonstrations.

The agreement notes support for the Department's activities to build capacity to implement large-scale funding opportunities as well as prepare for long-term operation of the office. The Office of Clean Energy Demonstrations (OCED) represents an opportunity for the Department to provide dedicated expertise and focus to successfully implement large-scale, pre-commercial clean energy technology demonstrations. The Department is encouraged to prioritize technology demonstrations for the highest emitting sectors.

The agreement notes support for the Department's efforts to demonstrate the technical and economic viability of carrying out alternative energy projects on current and former mine land compatible in a manner with existing operations.

The Department is directed to continue to provide the Committees quarterly briefings on efforts to conduct administrative and project management activities for technology demonstrations.

The Department is directed to conduct OCED activities on a competitive basis and include cost-share requirements pursuant to section 988 of the Energy Policy Act of 2005. The Department is encouraged to conduct these activities through technology neutral solicitations focused on crosscutting energy challenges. It is expected that the Department avoid the practice of making awards dependent on funding from future years' appropriations.

ADVANCED RESEARCH PROJECTS AGENCY—ENERGY

The agreement provides \$470,000,000 for the Advanced Research Projects Agency—Energy.

The budget request proposes to expand ARPA-E's scope to focus on climate innovations, adaptation, and resilience. The agreement notes that ARPA-E already has the ability to fund this work through section 5012 of the America COMPETES Act. This includes climate-related innovations, and further, the agreement notes that ARPA-E already funds such activities.

TITLE 17 INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM

The agreement provides a net appropriation of \$31,206,000 in administrative expenses for the Title 17 Innovative Technology Loan Guarantee Program.

As provided in 42 U.S.C. 16511, the Secretary may make guarantees under this section only for projects that avoid, reduce, or sequester air pollutants or anthropogenic emissions of greenhouse gases and employ new or significantly improved technologies as compared to commercial technologies in service in the United States upon issuance of the loan guarantee.

ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PROGRAM

The agreement provides \$9,800,000 for the Advanced Technology Vehicles Manufacturing Loan Program.

TRIBAL ENERGY LOAN GUARANTEE PROGRAM

The agreement provides \$4,000,000 for the Tribal Energy Loan Guarantee Program.

INDIAN ENERGY POLICY AND PROGRAMS

The agreement provides \$75,000,000 for Indian Energy Policy and Programs.

The agreement provides up to \$45,000,000 to advance technical assistance, demonstration, and deployment of clean energy for households and communities in tribal nations to improve reliability, resilience, and alleviate energy poverty.

The agreement provides up to \$8,000,000 for coordinated research, development, deployment, and training related to advanced microgrid-enabling technologies, with a focus on underserved and Indigenous communities in remote and islanded areas.

The Department is encouraged to use its cost share waiver authority under section 2602 of the Energy Policy Act of 1992, as modified by section 8013 of the Energy Act of 2020, when appropriate.

The Department is encouraged to partner with organizations with specialized experience addressing local energy challenges, including community-based organizations and institutions of higher education, with a priority for minority-serving institutions.

The agreement notes support for the Office of Indian Energy's efforts to utilize local Subject Matter Experts to assist Indian Tribes and Alaska Native Villages in development energy projects and providing support for energy planning.

The Department is encouraged to design funding opportunity announcements that do not exclude tribes based on local land ownership structures, consistent with expanded authority under section 2602 of the Energy Policy Act of 1992, as modified by section 8013 of the Energy Act of 2020.

DEPARTMENTAL ADMINISTRATION

The agreement provides \$283,000,000 for Departmental Administration.

Control Points.—The agreement includes eight reprogramming control points in this account to provide flexibility in the management of support functions. The Other Departmental Administration activities include Management, Project Management Oversight and Assessments, Chief Human Capital Officer, Office of Small and Disadvantaged Business Utilization, General Counsel, Office of Policy, and Public Affairs. The Department is directed to continue to submit a budget request that proposes a separate funding level for each of these activities.

Chief Information Officer.—The agreement provides not less than \$125,000,000 for cybersecurity and cyber modernization across the Department. The agreement provides up to \$10,000,000 for the IM Office of Architecture, Engineering, Technology, and Innovation to expand low-code application development across the Department and establish a Low-Code Platform Factory that improves the efficiency of custom application development, improves cybersecurity posture, reduces operation and maintenance costs associated with legacy applications, and empowers Department personnel who are closest to problems to create solutions, selecting low-code application development options that are most appropriate for each mission need pursuant to IM's market research.

International Affairs.—The agreement provides \$2,000,000 for the Israel Binational Industrial Research and Development (BIRD) Foundation and \$4,000,000 to continue the U.S. Israel Center of Excellence in Energy Engineering and Water Technology.

Other Departmental Administration.—The agreement provides not less than \$35,000,000 for the Chief Human Capital Officer, not less than \$13,500,000 for Project Management Oversight and Assessments, and not less than \$20,000,000 for the Office of Policy.

U.S. Energy and Employment Report.—The Department is directed to continue to complete an annual U.S. energy employment report that includes a comprehensive statistical survey to collect data, publish the data, and provide a summary report. The information collected shall include data relating to employment figures and demographics in the U.S. energy sector using methodology approved by the Office

of Management and Budget in 2016. The Department is directed to produce and release this report annually.

The agreement is supportive of the work on the CIO Business Operations Support Services (CBOSS) program, and the Department is directed to provide regular updates on any developments regarding this effort.

The Arctic Energy Office is encouraged to explore the feasibility, scalability, and potential commercialization of utilizing data server waste heat from immersion cooling technologies as a heat source for integration with other renewable energy resources for heat pump district heating purposes.

OFFICE OF THE INSPECTOR GENERAL

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

The Inspector General is directed to continue providing quarterly briefings to the Committees on implementation of the independent audit strategy.

ATOMIC ENERGY DEFENSE ACTIVITIES
NATIONAL NUCLEAR SECURITY ADMINISTRATION

The agreement provides \$22,162,564,000 for the National Nuclear Security Administration (NNSA). The agreement continues funding for recapitalization of our nuclear weapons infrastructure, while modernizing and maintaining a safe, secure, and credible nuclear deterrent without the need for underground testing. The agreement supports continuing important efforts to secure and permanently eliminate remaining stockpiles of nuclear and radiological materials both here and abroad to reduce the global danger from the proliferation of weapons of mass destruction. The agreement also supports Naval Reactors and the important role they play in enabling the Navy's nuclear fleet.

A highly skilled and diverse workforce is required to maintain and modernize the nuclear weapons stockpile and execute the global nonproliferation initiatives of the NNSA. The agreement commends the NNSA for considerable progress made to recruit and retain this unique workforce but reminds NNSA to remain within authorized staffing levels in the coming fiscal year.

The agreement notes concern with NNSA's lack of transparency and inability to proactively communicate with the Committees. NNSA is directed to provide to the Committees not later than 30 days after enactment of this Act a briefing on its plan for improved communication and outreach with the Committees.

NNSA Reorganization.—The agreement notes concern that NNSA has not clearly defined a compelling rationale that justifies its May 2022 announced reorganization. Reorganizations are often disruptive to work and difficult on the workforce, which in turn can decrease overall performance and productivity. Further, NNSA's high-level goals for the reorganization are unspecific, and NNSA may find it difficult to determine whether the reorganization is successful. NNSA should take additional action while it continues to implement its July 2022 reorganization.

Therefore, NNSA is directed to establish not later than 90 days after enactment of this Act specific goals and performance measures for its July 2022 reorganization. NNSA is further directed to report to the Committees not later than one year after enactment of this Act and annually thereafter for five years on its progress to meeting the specific goals for the July 2022 reorganization using the established performance measures.

Enhanced Mission Delivery Initiative.—The agreement recognizes the unique challenges associated with the operations of the nuclear security enterprise. Given its current workload, recruiting and retention concerns, and the importance of the relationship between the federal personnel and the M&O contractors, NNSA action on recommendations in its recent Enhanced Mission Delivery Initiative (EMDI) may be prudent. Prior to NNSA's implementation of any EMDI recommendations, the Comptroller General of the United States is directed to evaluate the proposed implementation and brief the Committees on its findings at a schedule to be determined in consultation with the Committees.

Project Management.—The agreement notes NNSA's inability to properly estimate costs and timelines for large projects. The NNSA is encouraged to assess and reassess as needed current performance on projects costing more than \$750,000,000 and make appropriate project management changes. When reassessing, the NNSA is encouraged to identify problems in cost and schedule estimates early, and provide updated information to the Committees immediately.

WEAPONS ACTIVITIES

The agreement provides \$17,116,119,000 for Weapons Activities.

The agreement urges the Administration to ensure that military requirements align to what the NNSA can realistically achieve.

University Collaboration.—The agreement notes progress in establishing the Center of Excellence regarding lifetime extension and materials degradation issues, including its expansion to the entire nuclear security enterprise. NNSA is encouraged to continue these efforts, including developing a recruiting pipeline capability across the enterprise, in consultation with institutions that have an existing track record with institutions traditionally underrepresented in the nuclear security industry, including Minority Serving Institutions and Historically Black Colleges and Universities.

Cattle.—The agreement notes the presence of unauthorized and unbranded cattle on Department land near Los Alamos National Laboratory. The cattle pose health, safety, and environmental risks. NNSA is encouraged to remove all unauthorized and unbranded cattle between Water Canyon and Frijoles Canyon not later than 12 months after enactment of this Act. NNSA is directed to provide to the Committees not later than 12 months after enactment of this Act a plan for removal of all unauthorized and unbranded cattle from Department property near Los Alamos National Laboratory, including statutory impediments to that plan.

Plutonium Pit Production.—NNSA is directed to provide to the Committees not later than 180 days after enactment of this Act a plan to establish a two-site Integrated Master Schedule covering the entirety of the work required to produce 80 pits per year and a timeline that NNSA has high confidence will achieve this critical requirement.

NNSA is further directed to provide to the Committees not later than 180 days after enactment of this Act a contingency plan coordinated with the Department of Defense for meeting strategic deterrent requirements based on current pit production timelines.

Plutonium Modernization.—The agreement provides not less than \$10,000,000 for workforce development and training partnerships with Historically Black Colleges and Universities (HBCUs), Hispanic-Serving Institutions, and Tribal Colleges and Universities in South Carolina and New Mexico to support plutonium pit production.

Academic Programs.—The agreement provides \$45,000,000 for the Minority Serving Institution Partnership Program and \$10,000,000 for the Tribal Education Partnership Program.

Inertial Confinement Fusion (ICF) and High Yield.—The agreement provides \$630,000,000 for ICF. Within available funds, the agreement provides not less than \$380,000,000 for the National Ignition Facility (NIF), not less than \$86,100,000 for OMEGA, and not less than \$82,600,000 for the Z Facility. Within funds provided for Facility Operations, the agreement provides not less than \$35,000,000 for NNSA to manage target development and acquisition. The fiscal year 2022 Act directed NNSA to provide to the Committees a strategic plan for recapitalizing, upgrading, and maintaining ICF facilities. NNSA is directed to provide the report to the Committees not later than 30 days after enactment of this Act.

Advanced Simulation and Computing.—The agreement provides \$35,000,000 for research in advanced memory technology and near-memory computing architectures by a U.S.-based manufacturer of very large-scale memory systems and memory semantic storage from 100s of terabytes to petabytes that will inspire advancements in data marshaling technologies that will dramatically improve effective performance for NNSA mission applications.

Contractor Pensions.—The agreement provides \$114,632,000 for payments into the legacy University of California contractor employee defined benefit pension plans, the Requa settlement reached in 2019, and the pension plan at the Savannah River Site.

DEFENSE NUCLEAR NONPROLIFERATION

The agreement provides \$2,490,000,000 for Defense Nuclear Nonproliferation.

NNSA is encouraged to continue to cooperate and support the Office of Nuclear Energy in developing safeguards concepts, policies, and technologies to address the proliferation challenges unique to advanced nuclear reactors. NNSA is further encouraged to cooperate with the national laboratories and industry to support the implementation of “safeguards-by-design” features in advanced nuclear reactors.

The agreement provides \$51,200,000 to pack and ship material from Y-12 to a domestic commercial processor to begin production of limited quantities of HALEU.

The agreement provides \$30,000,000 to remove HALEU from a partner country.

The agreement provides not less than \$25,000,000 for the Green Border Security Initiative within the Nuclear Smuggling Detection and Deterrence program.

The agreement provides \$20,000,000 for the University Consortia for Nonproliferation Research.

NNSA Bioassurance Program.—The agreement reiterates House direction regarding initial and quarterly reporting on Bioassurance activities.

Contractor Pensions.—The agreement provides \$55,708,000 for payments into the legacy UC defined benefit pension plans, the Requa settlement reached in 2019, and the pension plan at the SRS.

NAVAL REACTORS
(INCLUDING TRANSFER OF FUNDS)

The agreement provides \$2,081,445,000 for Naval Reactors.

Naval Reactors Development.—Naval Reactors is directed to provide quarterly briefings to the Committees outlining its research and development program's direction and plan for the future.

FEDERAL SALARIES AND EXPENSES

The agreement provides \$475,000,000 for Federal Salaries and Expenses.

The agreement recognizes the importance of recruiting and retaining the highly skilled personnel needed to meet NNSA's important mission. NNSA is directed to only hire within authorized personnel numbers provided for a given fiscal year, and if NNSA exceeds this authorized amount, then the Administrator must submit to the Committees not later than 30 days a report justifying the excess.

ENVIRONMENTAL AND OTHER DEFENSE ACTIVITIES

DEFENSE ENVIRONMENTAL CLEANUP

The agreement provides \$7,025,000,000 for Defense Environmental Cleanup.

Future Budget Requests.—The Department is directed to include out-year funding projections in the annual budget request by control point for Environmental Management, and an estimate of the total cost and time to complete each site.

Richland.—The agreement provides \$1,006,519,000 for Richland Operations in order to fund the Department's compliance with its legal obligations under the Tri-Party Agreement. As a signatory to the Tri-Party Agreement, the Department is required to meet specific compliance milestones toward the cleanup of the Hanford site. Among other things, the Department committed to provide the funding necessary to enable full compliance with its cleanup milestones. The agreement recognizes that significant progress has been made at the Hanford site, but greater funding will be necessary to meet compliance milestones.

In addition to annual operations funding to support the national historical park mission, the agreement funds B Reactor roof replacement and other preservation efforts as well as all other operations and maintenance requirements for the B Reactor facility.

The Department is directed to support the Hanford Workforce Engagement Center to provide education and advocacy to current and former Hanford employees on all available federal and state compensation programs as well as the Hazardous Materials and Emergency Response facilities, which provide valuable training to Hanford employees.

None of the Richland Operations funds shall be used to carry out activities with the Office of River Protection's tank farms.

Office of River Protection.—The agreement provides \$1,730,408,000 for the Office of River Protection. The Department is reminded that meeting the Consent Decree milestone for operations of Direct Feed Low Activity Waste must remain the Department's top focus within the Office of River Protection. The agreement reiterates House direction regarding low level waste offsite disposal.

The agreement provides funds for full engineering, procurement, and construction work on the High-Level Waste Treatment Facility, for design and engineering of the Pre-Treatment Facility, to ensure compliance with the 2016 Consent Decree and Tri-Party Agreement milestones, and to continue tank waste retrievals.

Idaho National Laboratory.—The agreement notes efforts underway at the Idaho National Laboratory Site to collaborate across all programs and contractors to address respective missions. The agreement encourages the Office of Nuclear Energy, the Office of Environmental Management, and Naval Reactors to continue this integration to ensure existing facilities, capabilities, and workforce are being utilized efficiently and effectively. As part of this integration effort, the Department is directed to develop an Idaho Sitewide Spent Nuclear Fuel Management Plan and shall analyze the use of the Naval Reactors spent fuel packaging facility to support EM's packaging needs in lieu of new construction.

The agreement notes that funding was provided in the fiscal year 2022 Act to pilot a road-ready, dry storage packaging capability and the Department is encouraged to move forward expeditiously with these activities in coordination with the Office of Nuclear Energy. Further, the Department is directed to provide to the Committees not later than 60 days after enactment of this Act a briefing, coordinated between the Offices of Environmental Management and Nuclear Energy, to address elimination of mixed waste streams identified in the Idaho National Laboratory Site Treatment Plan.

Program Direction.—The agreement recognizes the need to prepare the next generation of environmental management workforce and encourages the Department to continue mentoring, training, and recruiting the next generation of environmental management workforce. As part of its workforce strategies, the Department is encouraged to leverage the DOE Scholars Program to enable the training of technicians to support cleanup and remediation activities across the program.

Technology Development.—The agreement provides \$5,000,000 for the National Spent Nuclear Fuel Program to address issues related to storing, transporting, processing, and disposing of Department-owned and managed spent nuclear fuel. The agreement provides up to \$7,000,000 for work on qualification, testing and research to advance the state-of-the-art containment ventilation systems.

DEFENSE URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING
(INCLUDING TRANSFER OF FUNDS)

The agreement provides \$586,035,000 for Defense Uranium Enrichment Decontamination and Decommissioning.

OTHER DEFENSE ACTIVITIES

The agreement provides \$1,035,000,000 for Other Defense Activities.

The agreement notes the importance of the Environment, Health, Safety, and Security mission to inform worker health and safety decisions. The Department is encouraged to support efforts to further engage subject matter experts, knowledge sharing tools, and health database innovations allowing for continuous improvement in this important area.

POWER MARKETING ADMINISTRATIONS

BONNEVILLE POWER ADMINISTRATION FUND

The agreement provides no appropriation for the Bonneville Power Administration, which derives its funding from revenues deposited into the Bonneville Power Administration Fund.

OPERATION AND MAINTENANCE, SOUTHEASTERN POWER ADMINISTRATION

The agreement provides a net appropriation of \$0 for the Southeastern Power Administration.

OPERATION AND MAINTENANCE, SOUTHWESTERN POWER ADMINISTRATION

The agreement provides a net appropriation of \$10,608,000 for the Southwestern Power Administration.

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

The agreement provides a net appropriation of \$98,732,000 for the Western Area Power Administration.

FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND

The agreement provides a net appropriation of \$228,000 for the Falcon and Amistad Operating and Maintenance Fund.

FEDERAL ENERGY REGULATORY COMMISSION
SALARIES AND EXPENSES

The agreement provides \$508,400,000 for the Federal Energy Regulatory Commission (FERC). Revenues for FERC are set to an amount equal to the budget authority, resulting in a net appropriation of \$0.

GENERAL PROVISIONS—DEPARTMENT OF ENERGY
(INCLUDING TRANSFER OF FUNDS)

The agreement includes a provision prohibiting the use of funds provided in this title to initiate requests for proposals, other solicitations, or arrangements for new programs or activities that have not yet been approved and funded by Congress; requires notification or a report for certain funding actions; prohibits funds to be used for certain multi-year “Energy Programs” activities without notification; and prohibits the obligation or expenditure of funds provided in this title through a reprogramming of funds except in certain circumstances. The notification requirements in the provision also apply to the modification of any grant, contract, or Other Transaction Agreement where funds are allocated for new programs, projects, or activities not covered by a previous notification.

The agreement includes a provision authorizing intelligence activities of the Department of Energy for purposes of section 504 of the National Security Act of 1947.

The agreement includes a provision prohibiting the use of funds in this title for capital construction of high hazard nuclear facilities, unless certain independent oversight is conducted.

The agreement includes a provision prohibiting the use of funds in this title to approve critical decision-2 or critical decision-3 for certain construction projects, unless a separate independent cost estimate has been developed for that critical decision.

The agreement includes a provision regarding authority to release refined petroleum product from the Strategic Petroleum Reserve.

The agreement includes a provision to prohibit certain payments.

The agreement includes a provision transferring certain funds that may only be used for cleanup related activities at the Paducah, KY and Portsmouth, OH gaseous diffusion plants.

The agreement includes a provision related to the loan programs.

The agreement includes a provision regarding property disposition.

The agreement includes a provision that prohibits the use of certain funds in this title unless project management is conducted.

~~[INSERT TABLE]~~

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(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
ENERGY PROGRAMS					
ENERGY EFFICIENCY AND RENEWABLE ENERGY					
Sustainable Transportation:					
Vehicle Technologies.....	420,000	602,731	455,000	+35,000	-147,731
Bioenergy Technologies.....	262,000	340,000	280,000	+18,000	-60,000
Hydrogen and Fuel Cell Technologies.....	157,500	186,000	170,000	+12,500	-16,000
Subtotal, Sustainable Transportation.....	839,500	1,128,731	905,000	+65,500	-223,731
Renewable Energy:					
Solar Energy Technologies.....	290,000	534,575	318,000	+28,000	-216,575
Wind Energy Technologies.....	114,000	345,390	132,000	+18,000	-213,390
Water Power Technologies.....	162,000	190,500	179,000	+17,000	-11,500
Geothermal Technologies.....	109,500	202,000	118,000	+8,500	-84,000
Renewable Energy Grid Integration.....	40,000	57,730	45,000	+5,000	-12,730
Subtotal, Renewable Energy.....	715,500	1,330,195	792,000	+76,500	-538,195
Energy Efficiency:					
Advanced Manufacturing.....	416,000	582,500	450,000	+34,000	-132,500
Building Technologies.....	307,500	392,000	332,000	+24,500	-60,000
Federal Energy Management Program.....	40,000	---	---	-40,000	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Weatherization and Intergovernmental Program:					
Weatherization:					
Weatherization Assistance Program.....	313,000	---	---	-313,000	---
Training and Technical Assistance.....	6,000	---	---	-6,000	---
Weatherization Readiness Fund.....	15,000	---	---	-15,000	---

Subtotal, Weatherization.....	334,000	---	---	-334,000	---

State Energy Program.....	63,000	---	---	-63,000	---
Local Government Energy Program.....	10,000	---	---	-10,000	---
Energy Future Grants.....	20,000	---	---	-20,000	---

Subtotal, Weatherization and Intergovernmental Program.....	427,000	---	---	-427,000	---

Subtotal, Energy Efficiency.....	1,190,500	974,500	782,000	-408,500	-192,500

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

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
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
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).....	140,000	210,100	160,000	+20,000	-50,100
21-EE-001, Energy Materials Processing at Scale (EMAPS).....	8,000	60,000	45,000	+37,000	-15,000
23-TBD, South Table Mountain (STM) Carbon Free District Heating/Cooling.....	---	31,500	---	---	-31,500
Subtotal, Facilities and Infrastructure.....	148,000	301,600	205,000	+57,000	-96,600
Program Direction	209,453	224,474	223,000	+13,547	-1,474

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Strategic Programs.....	20,000	59,385	21,000	+1,000	-38,385
Subtotal, Corporate Support.....	377,453	585,459	449,000	+71,547	-136,459
Subtotal, Energy Efficiency and Renewable Energy..	3,122,953	4,018,885	3,460,000	+337,047	-558,885
Congressionally Directed Spending.....	77,047	---	---	-77,047	---
TOTAL, ENERGY EFFICENCY AND RENEWABLE ENERGY.....	3,200,000	4,018,885	3,460,000	+260,000	-558,885
=====					
STATE AND COMMUNITY ENERGY PROGRAMS					
Weatherization:					
Weatherization Assistance Program.....	---	362,170	---	---	-362,170
Training and Technical Assistance.....	---	10,000	---	---	-10,000
Weatherization Readiness Fund.....	---	30,000	---	---	-30,000
LIHEAP Advantage Pilot.....	---	100,000	---	---	-100,000
Subtotal, Weatherization.....	---	502,170	---	---	-502,170

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
State Energy Program.....	---	70,000	---	---	-70,000
Local Government Energy Program.....	---	25,000	---	---	-25,000
Energy Future Grants.....	---	105,000	---	---	-105,000
Program Direction.....	---	24,727	---	---	-24,727
TOTAL, STATE AND COMMUNITY ENERGY PROGRAMS.....	---	726,897	---	---	-726,897
MANUFACTURING AND ENERGY SUPPLY CHAINS					
Facility and Workforce Assistance.....	---	18,000	---	---	-18,000
Energy Sector Industrial Base Technical Assistance....	---	3,000	---	---	-3,000
Program Direction.....	---	6,424	---	---	-6,424
TOTAL, MANUFACTURING AND ENERGY SUPPLY CHAINS.....	---	27,424	---	---	-27,424
FEDERAL ENERGY MANAGEMENT PROGRAM					
Federal Energy Management.....	---	38,150	---	---	-38,150
Federal Energy Efficiency Fund.....	---	60,000	---	---	-60,000
Net-Zero Laboratory Initiative.....	---	57,000	---	---	-57,000
Program Direction.....	---	14,511	---	---	-14,511
TOTAL, FEDERAL ENERGY MANAGEMENT PROGRAM.....	---	169,661	---	---	-169,661

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE					
Risk Management Technology and Tools.....	129,804	125,000	125,000	-4,804	---
Response and Restoration.....	18,000	24,000	23,000	+5,000	-1,000
Preparedness, Policy, and Risk Analysis.....	19,000	28,000	26,857	+7,857	-1,143
Program Direction.....	16,000	25,143	25,143	+9,143	---
Congressionally Directed Spending.....	3,000	---	---	-3,000	---

TOTAL, CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE.....	185,804	202,143	200,000	+14,196	-2,143
=====					
ELECTRICITY					
Grid Controls and Communications:					
Transmission Reliability and Resilience.....	26,000	37,300	34,000	+8,000	-3,300
Energy Delivery Grid Operations Technology.....	23,000	39,000	31,000	+8,000	-8,000
Resilient Distribution Systems.....	55,000	50,000	55,000	---	+5,000
Cyber Resilient and Secure Utility Communications Networks.....	11,150	20,000	15,000	+3,850	-5,000

Subtotal, Grid Controls and Communications.....	115,150	146,300	135,000	+19,850	-11,300

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Grid Hardware, Components, and Systems:					
Energy Storage:					
Research.....	73,000	81,000	95,000	+22,000	+14,000
Construction: 20-0E-100 Grid Storage Launchpad....	47,000	---	---	-47,000	---

Subtotal, Energy Storage.....	120,000	81,000	95,000	-25,000	+14,000

Transformer Resilience and Advanced Components.....	11,000	22,500	27,500	+16,500	+5,000
Applied Grid Transformation Solutions.....	---	30,000	10,000	+10,000	-20,000

Subtotal, Grid Hardware, Components, and Systems	131,000	133,500	132,500	+1,500	-1,000

Grid Deployment:					
Grid Planning and Development.....	---	---	16,000	+16,000	+16,000
Grid Technical Assistance.....	---	---	25,000	+25,000	+25,000
Wholesale Electricity Market Technical Assistance and Grants.....	---	---	16,500	+16,500	+16,500
Interregional and Offshore Transmission Planning....	---	---	2,000	+2,000	+2,000

Subtotal, Grid Deployment.....	---	---	59,500	+59,500	+59,500

Transmission Permitting and Technical Assistance.....	8,000	---	---	-8,000	---
Program Direction.....	20,000	17,586	23,000	+3,000	+5,414
Congressionally Directed Spending.....	2,850	---	---	-2,850	---

TOTAL, ELECTRICITY.....	277,000	297,386	350,000	+73,000	+52,614
=====					

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

GRID DEPLOYMENT OFFICE					
Grid Planning and Development.....	---	16,200	---	---	-16,200
Grid Technical Assistance.....	---	29,500	---	---	-29,500
Wholesale Electricity Market Technical Assistance and Grants.....	---	19,000	---	---	-19,000
Interregional and Offshore Transmission Planning.....	---	20,000	---	---	-20,000
Program Direction.....	---	5,521	---	---	-5,521
Acquiring and Condemning Property.....	---	150,000	---	---	-150,000

TOTAL, GRID DEPLOYMENT OFFICE.....	---	240,221	---	---	-240,221
NUCLEAR ENERGY					
Integrated University Program.....	6,000	---	---	-6,000	---
Nuclear Energy Enabling Technologies:					
Crosscutting Technology Development.....	29,000	35,250	32,000	+3,000	-3,250
Joint Modeling and Simulation Program.....	30,000	28,327	28,500	-1,500	+173
Nuclear Science User Facilities.....	33,000	39,160	35,000	+2,000	-4,160
Transformational Challenge Reactor.....	25,000	---	---	-25,000	---

Subtotal, Nuclear Energy Enabling Technologies..	117,000	102,737	95,500	-21,500	-7,237

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Fuel Cycle Research and Development:					
Front End Fuel Cycle:					
Mining, Conversion, and Transportation.....	2,000	1,500	2,000	---	+500
Advanced Nuclear Fuel Availability.....	45,000	95,000	---	-45,000	-95,000

Subtotal, Front End Fuel Cycle.....	47,000	96,500	2,000	-45,000	-94,500
Material Recovery and Waste Form Development.....	30,000	38,000	45,000	+15,000	+7,000
Advanced Fuels:					
Accident Tolerant Fuels.....	115,000	113,900	114,000	-1,000	+100
Triso Fuel and Graphite Qualification.....	37,000	27,000	32,000	-5,000	+5,000

Subtotal, Advanced Fuels.....	152,000	140,900	146,000	-6,000	+5,100
Fuel Cycle Laboratory R&D.....	23,150	46,500	29,000	+5,850	-17,500
Used Nuclear Fuel Disposition R&D.....	50,000	46,875	47,000	-3,000	+125
Integrated Waste Management System.....	18,000	53,000	53,000	+35,000	---

Subtotal, Fuel Cycle Research and Development...	320,150	421,775	322,000	+1,850	-99,775

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Reactor Concepts RD&D:					
Advanced Small Modular Reactor RD&D.....	150,000	40,000	165,000	+15,000	+125,000
Light Water Reactor Sustainability.....	48,000	45,000	45,000	-3,000	---
Advanced Reactor Technologies.....	59,000	50,000	49,000	-10,000	-1,000
Subtotal, Reactor Concepts RD&D.....	257,000	135,000	259,000	+2,000	+124,000
Versatile Test Reactor Project:					
Other Project Costs.....	---	45,000	---	---	-45,000
Subtotal, Versatile Test Reactor Project.....	---	45,000	---	---	-45,000
Advanced Reactors Demonstration Program:					
National Reactor Innovation Center.....	55,000	75,000	50,000	-5,000	-25,000
23-E-200 Laboratory for Operations and Testing in the United States.....	---	---	20,000	+20,000	+20,000
Demonstration 1.....	30,000	---	---	-30,000	---
Demonstration 2.....	30,000	---	---	-30,000	---
Risk Reduction for Future Demonstrations.....	115,000	140,238	---	-115,000	-140,238
Regulatory Development.....	15,000	10,250	10,250	-4,750	---
Advanced Reactors Safeguards.....	5,000	4,750	4,750	-250	---
Subtotal, Advanced Reactors Demonstration Program.....	250,000	230,238	85,000	-165,000	-145,238

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Infrastructure:					
ORNL Nuclear Facilities O&M.....	20,000	---	20,000	---	+20,000
INL Facilities Operations and Maintenance.....	295,000	326,924	318,924	+23,924	-8,000
Research Reactor Infrastructure	15,000	---	---	-15,000	---
Construction:					
16-E-200 Sample Preparation Laboratory, INL.....	41,850	7,300	7,300	-34,550	---

Subtotal, Infrastructure.....	371,850	334,224	346,224	-25,626	+12,000

Idaho Sitewide Safeguards and Security.....	149,800	156,600	150,000	+200	-6,600
International Nuclear Energy Cooperation.....	3,000	3,000	---	-3,000	-3,000
Program Direction.....	80,000	85,457	85,000	+5,000	-457
NEUP, SBIR/STTR, and TCF.....	100,000	---	130,276	+30,276	+130,276
Directed R&D and University Programs.....	---	161,029	---	---	-161,029

TOTAL, NUCLEAR ENERGY.....	1,654,800	1,675,060	1,473,000	-181,800	-202,060
=====					

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
FOSSIL ENERGY AND CARBON MANAGEMENT					
Carbon Management Technologies:					
Carbon Capture.....	99,000	162,905	135,000	+36,000	-27,905
Carbon Dioxide Removal.....	49,000	65,000	70,000	+21,000	+5,000
Carbon Utilization.....	29,000	50,000	50,000	+21,000	---
Carbon Transport and Storage.....	97,000	122,000	110,000	+13,000	-12,000
Advanced Energy and Hydrogen Systems.....	94,000	---	---	-94,000	---
Hydrogen with Carbon Management.....	---	74,000	95,000	+95,000	+21,000
Policy and Analysis.....	---	4,000	---	---	-4,000
Justice and Engagement.....	---	1,000	---	---	-1,000
Crosscutting Research.....	33,000	---	---	-33,000	---
STEP (Supercritical CO2).....	15,000	---	---	-15,000	---
Subtotal, Carbon Management Technologies.....	416,000	478,905	460,000	+44,000	-18,905
Resource Technologies and Sustainability.....	110,000	---	---	-110,000	---
Advanced Remediation Technologies.....	---	12,964	55,000	+55,000	+42,036
Methane Mitigation Technologies.....	---	100,000	60,000	+60,000	-40,000
Natural Gas Decarbonization and Hydrogen Technologies.....	---	26,000	26,000	+26,000	---
Mineral Sustainability.....	53,000	44,000	54,000	+1,000	+10,000
Subtotal, Resource Technologies and Sustainability	163,000	182,964	195,000	+32,000	+12,036

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Energy Asset Transformation.....	---	6,000	6,000	+6,000	---
Program Direction.....	66,800	70,291	70,000	+3,200	-291
Special Recruitment Programs.....	1,001	1,000	1,000	-1	---
University Training and Research.....	---	13,000	13,000	+13,000	---
NETL Research and Operations.....	83,000	83,000	87,000	+4,000	+4,000
NETL Infrastructure.....	75,000	55,000	55,000	-20,000	---
NETL Interagency Working Group.....	---	3,000	3,000	+3,000	---
Congressionally Directed Spending.....	20,199	---	---	-20,199	---
TOTAL, FOSSIL ENERGY AND CARBON MANAGEMENT	825,000	893,160	890,000	+65,000	-3,160
ENERGY PROJECTS	---	---	221,969	+221,969	+221,969
NAVAL PETROLEUM AND OIL SHALE RESERVES.....	13,650	13,004	13,004	-646	---
STRATEGIC PETROLEUM RESERVE					
Strategic Petroleum Reserve	219,000	214,175	207,175	-11,825	-7,000

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

SPR PETROLEUM ACCOUNT					
SPR Petroleum Account.....	7,350	8,000	100	-7,250	-7,900
SPR Petroleum Account Rescission.....	---	---	-2,052,000	-2,052,000	-2,052,000

TOTAL, SPR PETROLEUM ACCOUNT.....	7,350	8,000	-2,051,900	-2,059,250	-2,059,900
NORTHEAST HOME HEATING OIL RESERVE.....	6,500	7,000	7,000	+500	---
ENERGY INFORMATION ADMINISTRATION.....	129,087	144,480	135,000	+5,913	-9,480
NON-DEFENSE ENVIRONMENTAL CLEANUP					
Fast Flux Test Reactor Facility (WA).....	3,100	3,200	3,200	+100	---
Gaseous Diffusion Plants.....	121,203	123,438	130,938	+9,735	+7,500
Small Sites.....	119,340	104,629	132,463	+13,123	+27,834
West Valley Demonstration Project.....	88,120	89,882	89,882	+1,762	---
Management and Storage of Elemental Mercury.....	2,100	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.....	333,863	323,249	358,583	+24,720	+35,334
=====					

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND					
Oak Ridge.....	105,000	92,946	92,946	-12,054	---
Nuclear Facility D&D, Paducah.....	240,000	199,269	240,000	---	+40,731
Portsmouth:					
Nuclear Facility D&D, Portsmouth.....	392,911	432,354	424,354	+31,443	-8,000
Construction:					
15-U-408 On-site Waste Disposal Facility, Portsmouth.....	8,900	---	---	-8,900	---
20-U-401 On-site Waste Disposal Facility (Cell Line 2&3).....	65,235	48,040	56,040	-9,195	+8,000
Subtotal, Portsmouth.....	467,046	480,394	480,394	+13,348	---

Pension and Community and Regulatory Support.....	31,799	25,412	50,912	+19,113	+25,500
Title X Uranium/Thorium Reimbursement Program.....	16,155	24,400	14,800	-1,355	-9,600

TOTAL, UED&D FUND.....	860,000	822,421	879,052	+19,052	+56,631
	=====	=====	=====	=====	=====

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

SCIENCE					
Advanced Scientific Computing Research:					
Research.....	906,000	991,741	991,000	+85,000	-741
Construction:					
17-SC-20 Office of Science Exascale Computing Project (SC-ECP).....	129,000	77,000	77,000	-52,000	---

Subtotal, Advanced Scientific Computing Research.....	1,035,000	1,068,741	1,068,000	+33,000	-741
Basic Energy Sciences:					
Research.....	2,003,800	2,127,239	2,240,800	+237,000	+113,561
Construction:					
13-SC-10 LINAC coherent light source II (LCLS-II), SLAC.....	28,100	---	---	-28,100	---
18-SC-10 Advanced Photon Source Upgrade (APS-U), ANL.....	101,000	9,200	9,200	-91,800	---
18-SC-11 Spallation Neutron Source Proton Power Upgrade (PPU), ORNL.....	17,000	17,000	17,000	---	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
18-SC-12 Advanced Light Source Upgrade (ALS-U), LBNL.....	75,100	135,000	135,000	+59,900	---
18-SC-13 Linac Coherent Light Source-II-High Energy (LCLS-II-HE), SLAC.....	50,000	90,000	90,000	+40,000	---
19-SC-14 Second Target Station (STS), ORNL.....	32,000	32,000	32,000	---	---
21-SC-10 Cryomodule Repair and Maintenance Facility.....	1,000	10,000	10,000	+9,000	---
Subtotal, Construction.....	304,200	293,200	293,200	-11,000	---
Subtotal, Basic Energy Sciences.....	2,308,000	2,420,439	2,534,000	+226,000	+113,561
Biological and Environmental Research.....	815,000	903,685	908,685	+93,685	+5,000
Fusion Energy Sciences: Research.....	460,000	482,222	510,222	+50,222	+28,000
Construction: 14-SC-60 U.S. Contributions to ITER (U.S. ITER). 20-SC-61 Matter in Extreme Conditions (MEC) Petawatt Upgrade, SLAC.....	242,000 11,000	240,000 1,000	242,000 11,000	--- ---	+2,000 +10,000
Subtotal, Construction.....	253,000	241,000	253,000	---	+12,000
Subtotal, Fusion Energy Sciences.....	713,000	723,222	763,222	+50,222	+40,000
High Energy Physics: Research.....	810,000	824,020	868,000	+58,000	+43,980

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Construction:					
11-SC-40 Long Baseline Neutrino Facility / Deep Underground Neutrino Experiment (LBNF/DUNE), FNAL.....	176,000	176,000	176,000	---	---
11-SC-41 Muon to electron conversion experiment, FNAL.....	2,000	2,000	2,000	---	---
18-SC-42 Proton Improvement Plan II (PIP-II), FNAL.....	90,000	120,000	120,000	+30,000	---

Subtotal, Construction.....	268,000	298,000	298,000	+30,000	---

Subtotal, High Energy Physics.....	1,078,000	1,122,020	1,166,000	+88,000	+43,980

Nuclear Physics:					
Research.....	708,000	719,196	755,196	+47,196	+36,000
Construction:					
20-SC-52 Electron Ion Collider, BNL.....	20,000	20,000	50,000	+30,000	+30,000

Subtotal, Construction.....	20,000	20,000	50,000	+30,000	+30,000

Subtotal, Nuclear Physics.....	728,000	739,196	805,196	+77,196	+66,000

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Isotope R&D and Production:					
Research:.....	70,000	85,451	85,451	+15,451	---
Construction:					
20-SC-51 US Stable Isotope Production and Research Center, ORNL.....	12,000	12,000	24,000	+12,000	+12,000
Subtotal, Construction.....	12,000	12,000	24,000	+12,000	+12,000

Subtotal, Isotope R&D and Production.....	82,000	97,451	109,451	+27,451	+12,000

Accelerator R&D and Production.....	18,000	27,436	27,436	+9,436	---
Workforce Development for Teachers and Scientists.....	35,000	41,300	42,000	+7,000	+700
Science Laboratories Infrastructure:					
Infrastructure Support:					
Payment in Lieu of Taxes.....	4,820	4,891	4,891	+71	---
Oak Ridge Landlord.....	6,430	6,559	6,559	+129	---
Facilities and Infrastructure.....	14,450	15,200	13,900	-550	-1,300
Oak Ridge Nuclear Operations.....	26,000	20,000	26,000	---	+6,000
Subtotal, Infrastructure Support.....	51,700	46,650	51,350	-350	+4,700

Construction:					
17-SC-71 Integrated Engineering Research Center, FNAL.....	10,250	---	---	-10,250	---
19-SC-71 Science User Support Center, BNL.....	38,000	---	---	-38,000	---
19-SC-73 Translational Research Capability, ORNL..	21,500	---	---	-21,500	---
19-SC-74 BioEPIC, LBNL.....	35,000	45,000	45,000	+10,000	---
20-SC-71 Critical Utilities Rehabilitation					

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Project, BNL.....	26,000	13,000	26,000	---	+13,000
20-SC-72 Seismic and Safety Modernization, LBNL...	18,000	27,500	27,500	+9,500	---
20-SC-73 CEBAF Renovation and Expansion, TJNAF ...	10,000	2,000	15,000	+5,000	+13,000
20-SC-75 Large Scale Collaboration Center, SLAC ..	21,000	30,000	21,000	---	-9,000
20-SC-76 Tritium System Demolition and Disposal, PPPL.....	6,400	---	---	-6,400	---
20-SC-77 Argonne Utilities Upgrade, ANL	10,000	8,000	8,000	-2,000	---
20-SC-78 Linear Assets Modernization Project, LBNL	10,400	23,425	23,425	+13,025	---
20-SC-79 Critical Utilities Infrastructure Revitalization, SLAC	8,500	25,425	25,425	+16,925	---
20-SC-80 Utilities Infrastructure Project, FNAL ..	10,500	20,000	20,000	+9,500	---
21-SC-71 Princeton Plasma Innovation Center, PPPL.	7,750	10,000	10,000	+2,250	---
21-SC-72 Critical Infrastructure Recovery & Renewal, PPPL.....	2,000	4,000	4,000	+2,000	---
21-SC-73 Ames Infrastructure Modernization.....	2,000	---	2,000	---	+2,000
22-SC-71, Critical Infrastructure Modernization Project (CIMP), ORNL.....	1,000	---	1,000	---	+1,000
22-SC-72, Thomas Jefferson Infrastructure Improvements (TJII), TJNAF.....	1,000	---	1,000	---	+1,000
Subtotal, Construction:.....	239,300	208,350	229,350	-9,950	+21,000
Subtotal, Science Laboratories Infrastructure.	291,000	255,000	280,700	-10,300	+25,700

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Safeguards and Security.....	170,000	189,510	184,099	+14,099	-5,411
Program Direction.....	202,000	211,211	211,211	+9,211	---
TOTAL, SCIENCE.....	7,475,000	7,799,211	8,100,000	+625,000	+300,789
=====	=====	=====	=====	=====	=====
NUCLEAR WASTE DISPOSAL.....	27,500	10,205	10,205	-17,295	---
TECHNOLOGY TRANSITIONS					
Technology Transitions Programs.....	11,095	8,375	8,915	-2,180	+540
Program Direction.....	8,375	13,183	13,183	+4,808	---
TOTAL, TECHNOLOGY TRANSITIONS.....	19,470	21,558	22,098	+2,628	+540
CLEAN ENERGY DEMONSTRATIONS					
Demonstrations.....	12,000	189,052	64,000	+52,000	-125,052
Program Direction.....	8,000	25,000	25,000	+17,000	---
TOTAL, CLEAN ENERGY DEMONSTRATIONS.....	20,000	214,052	89,000	+69,000	-125,052

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

ADVANCED RESEARCH PROJECTS AGENCY-ENERGY					
ARPA-E Projects.....	414,000	643,000	433,000	+19,000	-210,000
Program Direction.....	36,000	57,150	37,000	+1,000	-20,150

TOTAL, ARPA-E.....	450,000	700,150	470,000	+20,000	-230,150
TITLE 17 - INNOVATIVE TECHNOLOGY LOAN GUARANTEE PGM					
Guaranteed Loan Subsidy.....	---	150,000	---	---	-150,000
New Loan Authority.....	---	25,000	150,000	+150,000	+125,000
Guaranteed Loan Subsidy (rescission).....	---	---	-150,000	-150,000	-150,000
Administrative Costs.....	32,000	66,206	66,206	+34,206	---
Offsetting Collections.....	-3,000	-35,000	-35,000	-32,000	---

TOTAL, TITLE 17 - INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM.....	29,000	206,206	31,206	+2,206	-175,000
ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PGM					
Administrative Expenses.....	5,000	9,800	9,800	+4,800	---

TOTAL, ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PROGRAM.....	5,000	9,800	9,800	+4,800	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

TRIBAL ENERGY LOAN GUARANTEE PROGRAM					
Guaranteed Loan Subsidy.....	---	---	2,000	+2,000	+2,000
Administrative Expenses.....	2,000	1,860	2,000	---	+140

TOTAL, TRIBAL ENERGY LOAN GUARANTEE PROGRAM.....	2,000	1,860	4,000	+2,000	+2,140
INDIAN ENERGY POLICY AND PROGRAMS					
Indian Energy Program.....	52,477	129,736	61,000	+8,523	-68,736
Program Direction.....	5,523	20,303	14,000	+8,477	-6,303

TOTAL, INDIAN ENERGY POLICY AND PROGRAMS.....	58,000	150,039	75,000	+17,000	-75,039
DEPARTMENTAL ADMINISTRATION					
Salaries and Expenses:					
Office of the Secretary.....	5,582	6,642	6,642	+1,060	---
Congressional and Intergovernmental Affairs.....	6,000	7,142	5,000	-1,000	-2,142
Chief Financial Officer.....	56,591	62,283	62,283	+5,692	---
Economic Impact and Diversity.....	20,000	34,140	34,140	+14,140	---
Chief Information Officer.....	197,000	233,731	215,000	+18,000	-18,731
Artificial Intelligence and Technology Office...	1,000	2,608	1,000	---	-1,608
International Affairs.....	28,000	62,141	32,000	+4,000	-30,141
Other Departmental Administration.....	170,115	219,789	191,161	+21,046	-28,628

Subtotal, Salaries and Expenses.....	484,288	628,476	547,226	+62,938	-81,250

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Strategic Partnership Projects.....	40,000	40,000	40,000	---	---
Subtotal, Departmental Administration.....	524,288	668,476	587,226	+62,938	-81,250
Funding from Other Defense Activities.....	-183,710	-170,695	-203,648	-19,938	-32,953
Total, Departmental Administration (Gross).....	340,578	497,781	383,578	+43,000	-114,203
Miscellaneous revenues.....	-100,578	-100,578	-100,578	---	---
TOTAL, DEPARTMENTAL ADMINISTRATION (Net).....	240,000	397,203	283,000	+43,000	-114,203
	=====	=====	=====	=====	=====
OFFICE OF THE INSPECTOR GENERAL					
Office of the Inspector General.....	78,000	106,808	86,000	+8,000	-20,808
	=====	=====	=====	=====	=====
TOTAL, ENERGY PROGRAMS.....	16,116,024	19,400,258	15,323,192	-792,832	-4,077,066
	=====	=====	=====	=====	=====

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

ATOMIC ENERGY DEFENSE ACTIVITIES					
NATIONAL NUCLEAR SECURITY ADMINISTRATION					
WEAPONS ACTIVITIES					
Stockpile Management:					
Stockpile Major Modernization:					
B61 Life Extension Program.....	771,664	672,019	672,019	-99,645	---
W88 Alteration Program.....	207,157	162,057	162,057	-45,100	---
W80-4 Life Extension Program.....	1,080,400	1,122,451	1,122,451	+42,051	---
W80-4 Alteration-SLCM.....	10,000	---	20,000	+10,000	+20,000
W87-1 Modification Program	691,031	680,127	680,127	-10,904	---
W93.....	72,000	240,509	240,509	+168,509	---

Subtotal, Stockpile Major Modernization.....	2,832,252	2,877,163	2,897,163	+64,911	+20,000
Stockpile Sustainment:					
B61 Stockpile systems.....	102,679	---	130,664	+27,985	+130,664
W76 Stockpile systems.....	169,220	---	190,577	+21,357	+190,577
W78 Stockpile systems.....	94,766	---	140,209	+45,443	+140,209
W80 Stockpile systems.....	91,669	---	98,318	+6,649	+98,318
B83 Stockpile systems.....	98,456	---	58,930	-39,526	+58,930
W87 Stockpile systems.....	117,297	---	124,541	+7,244	+124,541
W88 Stockpile systems.....	142,841	---	139,934	-2,907	+139,934
Multi-Weapon Systems.....	363,555	---	437,966	+74,411	+437,966

Subtotal, Stockpile Sustainment.....	1,180,483	---	1,321,139	+140,656	+1,321,139

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Stockpile Sustainment.....	---	1,321,139	---	---	-1,321,139
Weapons Dismantlement and Disposition.....	56,000	50,966	56,000	---	+5,034
Production Operations.....	568,941	630,894	630,894	+61,953	---
Nuclear Enterprise Assurance (NEA/NWDA).....	---	48,911	48,911	+48,911	---
Subtotal, Stockpile Management.....	4,637,676	4,929,073	4,954,107	+316,431	+25,034
Production Modernization:					
Primary Capability Modernization:					
Plutonium Modernization:					
Los Alamos Plutonium Operations.....	660,419	767,412	767,412	+106,993	---
04-D-125 Chemistry and metallurgy replacement project LANL.....	---	162,012	138,123	+138,123	-23,889
07-D-220-04 TRU Liquid Waste Facility, LANL....	---	24,759	24,759	+24,759	---
15-D-302 TA-55 Reinvestment project III, LANL..	---	30,002	30,002	+30,002	---
21-D-512, Plutonium Pit Production Project, LANL	350,000	588,234	588,234	+238,234	---
Subtotal, Los Alamos Plutonium Modernization..	1,010,419	1,572,419	1,548,530	+538,111	-23,889
Savannah River Plutonium Operations.....	128,000	58,300	58,300	-69,700	---
21-D-511, Savannah River Plutonium Processing Facility, SRS.....	475,000	700,000	1,200,000	+725,000	+500,000
Subtotal, Savannah River Plutonium Modernization.....	603,000	758,300	1,258,300	+655,300	+500,000

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Enterprise Plutonium Support.....	107,098	88,993	88,993	-18,105	---
Subtotal, Plutonium Modernization.....	1,720,517	2,419,712	2,895,823	+1,175,306	+476,111
High Explosives & Energetics:					
High Explosives & Energetics.....	68,785	101,380	101,380	+32,595	---
15-D-301 HE Science & Engineering Facility, PX.	---	20,000	20,000	+20,000	---
21-D-510 HE Synthesis, Formulation, and Production, PX.....	---	108,000	108,000	+108,000	---
23-D-516 Energetic Materials Characterization Facility, LANL.....	---	19,000	19,000	+19,000	---
Subtotal, High Explosives & Energetics.....	68,785	248,380	248,380	+179,595	---
Subtotal, Primary Capability Modernization....	1,789,302	2,668,092	3,144,203	+1,354,901	+476,111
Secondary Capability Modernization:.....	488,097	---	536,363	+48,266	+536,363
Uranium Modernization.....	---	297,531	---	---	-297,531
Depleted Uranium Modernization.....	---	170,171	---	---	-170,171
Lithium Modernization.....	---	68,661	---	---	-68,661
06-D-141 Uranium Processing Facility, Y-12.....	---	362,000	362,000	+362,000	---
18-D-690, Lithium processing facility, Y-12.....	---	216,886	216,886	+216,886	---
Subtotal, Secondary Capability Modernization..	488,097	1,115,249	1,115,249	+627,152	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Tritium and Domestic Uranium Enrichment:.....	489,017	---	506,649	+17,632	+506,649
Tritium Sustainment and Modernization.....	---	361,797	---	---	-361,797
Domestic Uranium Enrichment.....	---	144,852	---	---	-144,852
18-D-650 Tritium Finishing Facility, SRS.....	---	73,300	73,300	+73,300	---
Subtotal, Tritium & DUE.....	489,017	579,949	579,949	+90,932	---
Non-Nuclear Capability Modernization.....	144,563	123,084	123,084	-21,479	---
Capability based investments.....	---	154,220	154,220	+154,220	---
Subtotal, Production Modernization.....	2,910,979	4,640,594	5,116,705	+2,205,726	+476,111
Stockpile Research, Technology, and Engineering:					
Assessment Science:					
Primary Assessment Technologies.....	150,000	154,507	154,507	+4,507	---
Dynamic Materials Properties.....	130,981	124,366	124,366	-6,615	---
Advanced Diagnostics.....	35,989	31,064	31,064	-4,925	---
Secondary Assessment Technologies.....	84,000	72,104	72,104	-11,896	---
Enhanced Capabilities for Subcritical Experiments.....	215,579	277,225	277,225	+61,646	---
Hydrodynamic & Subcritical Execution Support....	152,845	142,402	142,402	-10,443	---
17-D-640 U1a complex enhancements project, NNSS.	---	53,130	53,130	+53,130	---
Subtotal, Assessment Science.....	769,394	854,798	854,798	+85,404	---
Engineering and Integrated Assessments:					
Archiving & Support.....	45,760	43,950	43,950	-1,810	---
Delivery Environments.....	39,235	37,674	37,674	-1,561	---
Weapons Survivability.....	59,500	93,303	93,303	+33,803	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Studies and Assessments.....	---	5,000	5,000	+5,000	---
Aging & Lifetimes.....	87,260	59,682	87,260	---	+27,578
Stockpile Responsiveness.....	50,000	68,742	63,742	+13,742	-5,000
Advanced Certification & Qualification.....	60,330	58,104	58,104	-2,226	---
Subtotal, Engineering and Integrated Assessments.....	342,085	366,455	389,033	+46,948	+22,578
Inertial Confinement Fusion.....	580,000	544,095	630,000	+50,000	+85,905
Advanced Simulation and Computing.....	747,012	742,646	790,000	+42,988	+47,354
Weapon Technology and Manufacturing Maturation:...	292,630	---	286,165	-6,465	+286,165
Surety Technology.....	---	51,497	---	---	-51,497
Weapon Technology Development.....	---	121,330	---	---	-121,330
Advanced Manufacturing Development.....	---	113,338	---	---	-113,338
Subtotal, Weapon Technology and Manufacturing Maturation.....	292,630	286,165	286,165	-6,465	---
Academic Programs.....	111,912	100,499	111,912	---	+11,413
Subtotal, Stockpile Research, Technology, and Engineering.....	2,843,033	2,894,658	3,061,908	+218,875	+167,250
Infrastructure and Operations:					
Operating:					
Operations of facilities.....	1,014,000	1,038,000	1,038,000	+24,000	---
Safety and environmental operations.....	165,354	162,000	162,000	-3,354	---
Maintenance and repair of facilities.....	700,000	680,000	651,617	-48,383	-28,383
Recapitalization:					

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Infrastructure and safety.....	600,000	561,663	561,663	-38,337	---
Capability based investments.....	187,566	---	---	-187,566	---
Planning for Programmatic Construction (Pre-CD-1).....	10,000	---	---	-10,000	---
Subtotal, Recapitalization.....	797,566	561,663	561,663	-235,903	---
Subtotal, Operating.....	2,676,920	2,441,663	2,413,280	-263,640	-28,383
I&O Construction:					
Programmatic Construction:					
06-D-141 Uranium Processing Facility, Y-12.....	600,000	---	---	-600,000	---
07-D-220-04 TRU Liquid Waste Facility, LANL.....	30,000	---	---	-30,000	---
15-D-302 TA-55 Reinvestment project III, LANL....	27,000	---	---	-27,000	---
17-D-640 U1a complex enhancements project, NNSS..	135,000	---	---	-135,000	---
18-D-650 Tritium Finishing Facility, SRS.....	27,000	---	---	-27,000	---
18-D-690, Lithium processing facility, Y-12.....	167,902	---	---	-167,902	---
21-D-510 HE Synthesis, Formulation, and Production, PX.....	44,500	---	---	-44,500	---
22-D-513, Power Sources Capability, SNL.....	13,827	---	---	-13,827	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Chemistry and Metallurgy Replacement (CMRR):					
04-D-125 Chemistry and metallurgy replacement project, LANL.....	138,123	---	---	-138,123	---
Subtotal, Programmatic Construction and CMRR..	1,183,352	---	---	-1,183,352	---
Mission Enabling:					
22-D-514 Digital Infrastructure Capability					
Expansion, LLNL.....	8,000	67,300	67,300	+59,300	---
23-D-517 Electrical Power Capacity Upgrade, LANL	---	24,000	24,000	+24,000	---
23-D-518 Operations & Waste Management Office					
Building, LANL.....	---	48,500	48,500	+48,500	---
23-D-519 Special Materials Facility, Y-12.....	---	49,500	49,500	+49,500	---
Subtotal, Mission Enabling.....	8,000	189,300	189,300	+181,300	---
Subtotal, I&O Construction:.....	1,191,352	189,300	189,300	-1,002,052	---
Subtotal, Infrastructure and Operations.....	3,868,272	2,630,963	2,602,580	-1,265,692	-28,383
Secure Transportation Asset:					
STA Operations and Equipment.....	213,704	214,367	214,367	+663	---
Program Direction.....	117,060	130,070	130,070	+13,010	---
Subtotal, Secure Transportation Asset.....	330,764	344,437	344,437	+13,673	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Defense Nuclear Security:					
Defense Nuclear Security (DNS).....	821,090	878,363	868,172	+47,082	-10,191
Construction:					
17-D-710 West End Protected Area Reduction					
Project, Y-12.....	23,000	3,928	3,928	-19,072	---

Subtotal, Defense Nuclear Security.....	844,090	882,291	872,100	+28,010	-10,191
Information Technology and Cyber Security.....	406,530	445,654	445,654	+39,124	---
Legacy Contractor Pensions (WA).....	78,656	114,632	114,632	+35,976	---
Use of prior year balances.....	---	-396,004	-396,004	-396,004	---
=====					
TOTAL, WEAPONS ACTIVITIES.....	15,920,000	16,486,298	17,116,119	+1,196,119	+629,821
=====					
 DEFENSE NUCLEAR NONPROLIFERATION					
Material Management and Minimization:					
Conversion.....	100,660	153,260	153,260	+52,600	---
Nuclear Material Removal.....	42,100	41,600	55,000	+12,900	+13,400
Material Disposition.....	200,186	256,025	256,025	+55,839	---

Subtotal, Material Management and Minimization....	342,946	450,885	464,285	+121,339	+13,400

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Global Material Security:					
International Nuclear Security.....	79,939	81,155	87,763	+7,824	+6,608
Domestic Radiological Security.....	158,002	---	---	-158,002	---
International Radiological Security.....	95,000	---	---	-95,000	---
Radiological Security.....	---	244,827	260,000	+260,000	+15,173
Nuclear Smuggling Detection and Deterrence.....	198,500	178,095	185,000	-13,500	+6,905
Subtotal, Global Material Security.....	531,441	504,077	532,763	+1,322	+28,686
Nonproliferation and Arms Control.....	184,795	207,656	230,656	+45,861	+23,000
Defense Nuclear Nonproliferation R&D:					
Proliferation Detection.....	269,407	287,283	299,283	+29,876	+12,000
Nuclear Detonation Detection.....	294,500	279,205	279,205	-15,295	---
Nonproliferation Fuels Development.....	20,000	---	20,000	---	+20,000
Nonproliferation Stewardship Program.....	100,329	109,343	125,000	+24,671	+15,657
Forensics R&D.....	45,000	44,414	44,414	-586	---
Subtotal, Defense Nuclear Nonproliferation R&D....	729,236	720,245	767,902	+38,666	+47,657
NNSA Bioassurance Program.....	---	20,000	20,000	+20,000	---
Nonproliferation Construction:					
18-D-150 Surplus Plutonium Disposition Project, SRS.	156,000	71,764	71,764	-84,236	---
Subtotal, Nonproliferation Construction.....	156,000	71,764	71,764	-84,236	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Nuclear Counterterrorism and Incident Response:					
Emergency Operations.....	14,597	29,896	29,896	+15,299	---
Counterterrorism and Counterproliferation.....	356,185	409,074	440,074	+83,889	+31,000

Subtotal, Nuclear Counterterrorism and Incident Response.....	370,782	438,970	469,970	+99,188	+31,000
Legacy Contractor Pensions (DNN).....	38,800	55,708	55,708	+16,908	---
Use of prior-year balances.....	---	-123,048	-123,048	-123,048	---
=====					
TOTAL, DEFENSE NUCLEAR NONPROLIFERATION.....	2,354,000	2,346,257	2,490,000	+136,000	+143,743
NAVAL REACTORS					
Naval Reactors Development.....	640,684	798,590	746,000	+105,316	-52,590
Columbia-class Reactor Systems Development.....	55,000	53,900	53,900	-1,100	---
S8G Prototype Refueling.....	126,000	20,000	20,000	-106,000	---
Naval Reactors Operations and Infrastructure.....	594,017	695,165	668,802	+74,785	-26,363
Program Direction.....	55,579	58,525	58,525	+2,946	---
Construction:					
14-D-901 Spent Fuel Handling Recapitalization project, NRF.....	400,000	397,845	476,798	+76,798	+78,953
22-D-531 KL Chemistry and Radiological Health Building.....	41,620	---	---	-41,620	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
22-D-532 KL Security Upgrades.....	5,100	---	---	-5,100	---
23-D-533 BL Component Test Complex.....	---	57,420	57,420	+57,420	---
Subtotal, Construction.....	446,720	455,265	534,218	+87,498	+78,953
TOTAL, NAVAL REACTORS.....	1,918,000	2,081,445	2,081,445	+163,445	---
FEDERAL SALARIES AND EXPENSES					
Federal Salaries and Expenses.....	464,000	513,200	491,800	+27,800	-21,400
Use of Prior-Year Balances.....	---	-16,800	-16,800	-16,800	---
TOTAL, FEDERAL SALARIES AND EXPENSES.....	464,000	496,400	475,000	+11,000	-21,400
TOTAL, NATIONAL NUCLEAR SECURITY ADMINISTRATION...	20,656,000	21,410,400	22,162,564	+1,506,564	+752,164
DEFENSE ENVIRONMENTAL CLEANUP					
Closure Sites Administration.....	3,987	4,067	4,067	+80	---
Richland:					
River Corridor and Other Cleanup Operations.....	254,479	221,000	279,085	+24,606	+58,085
Central Plateau Remediation.....	650,926	672,240	695,071	+44,145	+22,831
RL Community and Regulatory Support.....	8,621	10,013	10,013	+1,392	---
Construction:					

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
18-D-404 WESF Modifications and Capsule Storage...	8,000	3,100	3,100	-4,900	---
22-D-401 L-888, 400 Area Fire Station.....	15,200	3,100	3,100	-12,100	---
22-D-402 L-897, 200 Area Water Treatment Facility.	12,800	8,900	8,900	-3,900	---
23-D-404 181D Export Water System Reconfiguration and Upgrade.....	---	6,770	6,770	+6,770	---
23-D-405 181B Export Water System Reconfiguration and Upgrade.....	---	480	480	+480	---
Subtotal, Construction.....	36,000	22,350	22,350	-13,650	---
Subtotal, Richland.....	950,026	925,603	1,006,519	+56,493	+80,916
Office of River Protection:					
Waste Treatment and Immobilization Plant					
Commissioning.....	50,000	462,700	50,000	---	-412,700
Rad Liquid Tank Waste Stabilization and Disposition.	837,642	801,100	851,100	+13,458	+50,000
Construction:					
01-D-16 D High-level Waste Facility.....	144,358	358,939	392,200	+247,842	+33,261
01-D-16 E Pretreatment Facility.....	20,000	20,000	20,000	---	---
18-D-16 Waste Treatment and Immobilization Plant - LBL/Direct Feed LAW.....	586,000	---	412,700	-173,300	+412,700

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
23-D-403 Hanford 200 West Area Tank Farms Risk Management Project.....	---	45,000	4,408	+4,408	-40,592
Subtotal, Construction.....	750,358	423,939	829,308	+78,950	+405,369
ORP Low-level Waste Offsite Disposal.....	7,000	---	---	-7,000	---
Subtotal, Office of River Protection.....	1,645,000	1,687,739	1,730,408	+85,408	+42,669
Idaho National Laboratory:					
Idaho Cleanup and Waste Disposition.....	432,313	350,658	424,295	-8,018	+73,637
Idaho Community and Regulatory Support.....	2,658	2,705	2,705	+47	---
Construction:					
22-D-403 Idaho Spent Nuclear Fuel Staging Facility	3,000	8,000	8,000	+5,000	---
22-D-404 Additional ICDF Landfill Disposal Cell and Evaporation Ponds Project.....	5,000	8,000	8,000	+3,000	---
23-D-402 Calcine Construction.....	---	10,000	15,000	+15,000	+5,000
Subtotal, Construction.....	8,000	26,000	31,000	+23,000	+5,000
Total, Idaho National Laboratory.....	442,971	379,363	458,000	+15,029	+78,637
NNSA Sites and Nevada Offsites:					
Lawrence Livermore National Laboratory.....	1,806	1,842	1,842	+36	---
Separations Process Research Unit.....	15,000	15,300	15,300	+300	---
Nevada.....	75,737	62,652	62,652	-13,085	---
Sandia National Laboratory.....	4,576	4,003	4,003	-573	---
Los Alamos National Laboratory.....	275,119	286,316	286,316	+11,197	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Los Alamos Excess Facilities D&D.....	17,000	40,519	40,519	+23,519	---
LLNL Excess Facilities D&D.....	35,000	12,004	35,000	---	+22,996
Total, NNSA Sites and Nevada Off-sites.....	424,238	422,636	445,632	+21,394	+22,996
Oak Ridge Reservation:					
OR Nuclear Facility D&D.....	337,062	334,221	334,221	-2,841	---
U233 Disposition Program.....	55,000	47,628	55,628	+628	+8,000
OR Cleanup and Disposition.....	73,725	62,000	62,000	-11,725	---
Construction:					
14-D-403 Outfall 200 Mercury Treatment Facility	---	---	10,000	+10,000	+10,000
17-D-401 On-site Waste Disposal Facility.....	12,500	35,000	35,000	+22,500	---
Subtotal, Construction.....	12,500	35,000	45,000	+32,500	+10,000
OR Community & Regulatory Support.....	5,096	5,300	5,300	+204	---
OR Technology Development and Deployment.....	3,000	3,000	3,000	---	---
Total, Oak Ridge Reservation.....	486,383	487,149	505,149	+18,766	+18,000
Savannah River Site:					
SR Site Risk Management Operations:					
SR Site Risk Management Operations.....	459,090	416,317	485,864	+26,774	+69,547

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Construction:					
18-D-402 Emergency Operations Center Replacement, SR.....	8,999	25,568	25,568	+16,569	---
19-D-701 SR Security System Replacement.....	5,000	5,000	12,000	+7,000	+7,000

Total, SR Site Risk Management Operations.....	473,089	446,885	523,432	+50,343	+76,547

SR Community and Regulatory Support.....	11,805	12,137	12,137	+332	---
SR National Laboratory Operations and Maintenance...	---	41,000	41,000	+41,000	---
SR Radioactive Liquid Tank Waste Stabilization and Disposition.....	889,365	851,660	851,660	-37,705	---
Construction:					
18-D-401 Saltstone Disposal unit #8/9.....	68,000	49,832	49,832	-18,168	---
20-D-401 Saltstone Disposal Unit #10, 11, 12....	19,500	37,668	37,668	+18,168	---

Subtotal, Construction.....	87,500	87,500	87,500	---	---

Savannah River Legacy Pensions.....	130,882	132,294	132,294	+1,412	---

Total, Savannah River Site.....	1,592,641	1,571,476	1,648,023	+55,382	+76,547

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Waste Isolation Pilot Plant:					
Waste Isolation Pilot Plant.....	353,424	371,943	353,424	---	-18,519
Construction:					
15-D-411 Safety Significant Confinement					
Ventilation System, WIPP.....	65,000	59,073	59,073	-5,927	---
15-D-412 Exhaust Shaft, WIPP.....	25,000	25,000	46,200	+21,200	+21,200

Total, Waste Isolation Pilot Plant.....	443,424	456,016	458,697	+15,273	+2,681
Program Direction.....	305,207	317,002	317,002	+11,795	---
Program Support.....	62,979	103,239	82,283	+19,304	-20,956
Safeguards and Security.....	323,144	309,573	329,220	+6,076	+19,647
Technology Development.....	30,000	25,000	40,000	+10,000	+15,000

Subtotal, Defense Environmental Cleanup.....	6,710,000	6,688,863	7,025,000	+315,000	+336,137
Federal Contribution to the Uranium Enrichment D&D					
Fund.....	---	417,000	---	---	-417,000

TOTAL, DEFENSE ENVIRONMENTAL CLEANUP.....	6,710,000	7,105,863	7,025,000	+315,000	-80,863
=====					
DEFENSE UED&D.....	573,333	---	586,035	+12,702	+586,035

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
OTHER DEFENSE ACTIVITIES					
Environment, Health, Safety and Security:					
Environment, Health, Safety and Security.....	132,732	138,854	138,854	+6,122	---
Program Direction - Environment, Health, Safety and Security.....	73,588	76,685	76,685	+3,097	---
Subtotal, Environment, Health, Safety and Security	206,320	215,539	215,539	+9,219	---
Enterprise Assessments:					
Enterprise Assessments.....	27,335	27,486	27,486	+151	---
Program Direction.....	56,049	57,941	57,941	+1,892	---
Subtotal, Enterprise Assessments.....	83,384	85,427	85,427	+2,043	---
Specialized Security Activities.....	328,500	306,067	335,000	+6,500	+28,933
Office of Legacy Management:					
Legacy Management Activities - Defense.....	158,797	174,163	168,926	+10,129	-5,237
Program Direction - Legacy Management.....	19,933	21,983	21,983	+2,050	---
Subtotal, Office of Legacy Management.....	178,730	196,146	190,909	+12,179	-5,237

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Defense Related Administrative Support.....	183,710	170,695	203,648	+19,938	+32,953
Office of Hearings and Appeals.....	4,356	4,477	4,477	+121	---
TOTAL, OTHER DEFENSE ACTIVITIES.....	985,000	978,351	1,035,000	+50,000	+56,649
TOTAL, ATOMIC ENERGY DEFENSE ACTIVITIES.....	28,924,333	29,494,614	30,808,599	+1,884,266	+1,313,985
SOUTHEASTERN POWER ADMINISTRATION					
Operation and Maintenance					
Purchase Power and Wheeling.....	66,353	92,687	92,687	+26,334	---
Program Direction.....	7,284	8,273	8,273	+989	---
Subtotal, Operation and Maintenance.....	73,637	100,960	100,960	+27,323	---
Less Alternative Financing (for PPW).....	-13,353	-13,991	-13,991	-638	---
Less Alternative Financing (for PD).....	-100	-100	-100	---	---
Offsetting Collections (for PPW).....	-53,000	-78,696	-78,696	-25,696	---
Offsetting Collections (for PD).....	-7,184	-8,173	-8,173	-989	---
TOTAL, SOUTHEASTERN POWER ADMINISTRATION.....	---	---	---	---	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
SOUTHWESTERN POWER ADMINISTRATION					
Operation and Maintenance					
Operation and Maintenance.....	11,082	15,517	15,517	+4,435	---
Purchase Power and Wheeling.....	62,000	93,000	93,000	+31,000	---
Program Direction.....	36,833	38,250	38,250	+1,417	---
Construction.....	15,901	16,035	16,035	+134	---
Subtotal, Operation and Maintenance.....	125,816	162,802	162,802	+36,986	---
Less Alternative Financing (for O&M).....	-4,591	-5,279	-5,279	-688	---
Less Alternative Financing (for PPW).....	-23,000	-23,000	-23,000	---	---
Less Alternative Financing (for Construction).....	-10,901	-11,035	-11,035	-134	---
Offsetting Collections (for PD).....	-33,529	-34,882	-34,882	-1,353	---
Offsetting Collections (for O&M).....	-4,395	-7,998	-7,998	-3,603	---
Offsetting Collections (for PPW).....	-39,000	-70,000	-70,000	-31,000	---
TOTAL, SOUTHWESTERN POWER ADMINISTRATION.....	10,400	10,608	10,608	+208	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
WESTERN AREA POWER ADMINISTRATION					
Operation and Maintenance:					
Construction and Rehabilitation.....	35,185	47,189	47,189	+12,004	---
Operation and Maintenance.....	81,983	85,229	85,229	+3,246	---
Purchase Power and Wheeling.....	443,677	625,405	750,322	+306,645	+124,917
Program Direction.....	267,246	277,287	277,287	+10,041	---
Subtotal, Operation and Maintenance.....	828,091	1,035,110	1,160,027	+331,936	+124,917
Less Alternative Financing (for O&M).....	-7,122	-7,641	-7,641	-519	---
Less Alternative Financing (for Construction).....	-31,090	-38,219	-38,219	-7,129	---
Less Alternative Financing (for PD).....	-51,849	-54,868	-54,868	-3,019	---
Less Alternative Financing (for PPW).....	-273,677	-275,322	-275,322	-1,645	---
Offsetting Collections (for PD).....	-166,935	-171,661	-171,661	-4,726	---
Offsetting Collections (for O&M).....	-27,530	-29,180	-29,180	-1,650	---
Purchase Power & Wheeling Financed from Offsetting (P.L. 108-447/109-103).....	-170,000	-350,083	-475,000	-305,000	-124,917
Offsetting Collections - Colorado River Dam (P.L. 98-381).....	-9,116	-9,404	-9,404	-288	---
TOTAL, WESTERN AREA POWER ADMINISTRATION.....	90,772	98,732	98,732	+7,960	---
	=====	=====	=====	=====	=====

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND					
Falcon And Amistad Operation And Maintenance.....	7,545	7,928	7,928	+383	---
Offsetting Collections - Falcon and Amistad Fund....	-5,580	-6,102	-6,102	-522	---
Less Alternative Financing - Falcon and Amistad Fund	-1,737	-1,598	-1,598	+139	---

TOTAL, FALCON AND AMISTAD O&M FUND.....	228	228	228	---	---
=====					
TOTAL, POWER MARKETING ADMINISTRATIONS.....	101,400	109,568	109,568	+8,168	---
=====					
FEDERAL ENERGY REGULATORY COMMISSION					
Federal Energy Regulatory Commission.....	466,426	508,400	508,400	+41,974	---
FERC Revenues.....	-466,426	-508,400	-508,400	-41,974	---

TOTAL, FEDERAL ENERGY REGULATORY COMMISSION...	---	---	---	---	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

GENERAL PROVISIONS					
Colorado River Basin Fund (305(b)).....	2,000	---	2,000	---	+2,000
Defense Nuclear Nonproliferation Construction Project					
99-D-143 Rescission.....	-282,133	---	---	+282,133	---
Naval Reactors Rescission.....	-6,000	---	---	+6,000	---

Total, General Provisions.....	-286,133	---	2,000	+288,133	+2,000
=====					
GRAND TOTAL, DEPARTMENT OF ENERGY.....	44,855,624	49,004,440	46,243,359	+1,387,735	-2,761,081
(Total amount appropriated).....	(45,143,757)	(49,004,440)	(48,445,359)	(+3,301,602)	(-559,081)
(Rescissions).....	(-288,133)	---	(-2,202,000)	(-1,913,867)	(-2,202,000)
=====					

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
SUMMARY OF ACCOUNTS					
Energy Efficiency and Renewable Energy.....	3,200,000	4,018,885	3,460,000	+260,000	-558,885
State and Community Energy Programs.....	---	726,897	---	---	-726,897
Manufacturing and Energy Supply Chains.....	---	27,424	---	---	-27,424
Federal Energy Management Program.....	---	169,661	---	---	-169,661
Cybersecurity, Energy Security, and Emergency Response	185,804	202,143	200,000	+14,196	-2,143
Electricity.....	277,000	297,386	350,000	+73,000	+52,614
Grid Deployment.....	---	240,221	---	---	-240,221
Nuclear Energy.....	1,654,800	1,675,060	1,473,000	-181,800	-202,060
Fossil Energy and Carbon Management.....	825,000	893,160	890,000	+65,000	-3,160
Energy Projects.....	---	---	221,969	+221,969	+221,969
Naval Petroleum & Oil Shale Reserves.....	13,650	13,004	13,004	-646	---
Strategic Petroleum Reserve.....	219,000	214,175	207,175	-11,825	-7,000
SPR Petroleum Account.....	7,350	8,000	-2,051,900	-2,059,250	-2,059,900
Northeast Home Heating Oil Reserve.....	6,500	7,000	7,000	+500	---
Energy Information Administration.....	129,087	144,480	135,000	+5,913	-9,480
Non-Defense Environmental Cleanup.....	333,863	323,249	358,583	+24,720	+35,334
Uranium Enrichment D&D Fund.....	860,000	822,421	879,052	+19,052	+56,631
Science.....	7,475,000	7,799,211	8,100,000	+625,000	+300,789
Nuclear Waste Disposal.....	27,500	10,205	10,205	-17,295	---
Technology Transitions.....	19,470	21,558	22,098	+2,628	+540
Clean Energy Demonstrations.....	20,000	214,052	89,000	+69,000	-125,052
Advanced Research Projects Agency-Energy.....	450,000	700,150	470,000	+20,000	-230,150
Title 17 Innovative Technology Loan Guarantee Program.	29,000	206,206	31,206	+2,206	-175,000
Advanced Technology Vehicles Manufacturing Loan					
Program.....	5,000	9,800	9,800	+4,800	---
Tribal Energy Loan Guarantee program.....	2,000	1,860	4,000	+2,000	+2,140
Indian Energy Policy and Programs.....	58,000	150,039	75,000	+17,000	-75,039

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Departmental administration.....	240,000	397,203	283,000	+43,000	-114,203
Office of the Inspector General.....	78,000	106,808	86,000	+8,000	-20,808
Atomic Energy Defense Activities:					
National Nuclear Security Administration:					
Weapons Activities.....	15,920,000	16,486,298	17,116,119	+1,196,119	+629,821
Defense Nuclear Nonproliferation.....	2,354,000	2,346,257	2,490,000	+136,000	+143,743
Naval Reactors.....	1,918,000	2,081,445	2,081,445	+163,445	---
Federal Salaries and Expenses.....	464,000	496,400	475,000	+11,000	-21,400
Subtotal, National Nuclear Security Admin.....	20,656,000	21,410,400	22,162,564	+1,506,564	+752,164
Defense Environmental Cleanup.....	6,710,000	7,105,863	7,025,000	+315,000	-80,863
Defense UED&D.....	573,333	---	586,035	+12,702	+586,035
Other Defense Activities.....	985,000	978,351	1,035,000	+50,000	+56,649
Total, Atomic Energy Defense Activities.....	28,924,333	29,494,614	30,808,599	+1,884,266	+1,313,985
Power Marketing Administrations (1):					
Southeastern Power Administration.....	---	---	---	---	---
Southwestern Power Administration.....	10,400	10,608	10,608	+208	---
Western Area Power Administration.....	90,772	98,732	98,732	+7,960	---
Falcon and Amistad Operating and Maintenance Fund...	228	228	228	---	---
Total, Power Marketing Administrations.....	101,400	109,568	109,568	+8,168	---
Federal Energy Regulatory Commission:					
Salaries and Expenses.....	466,426	508,400	508,400	+41,974	---
Revenues.....	-466,426	-508,400	-508,400	-41,974	---

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

General Provisions:					
Colorado River Basin Fund (305 (b)).....	2,000	---	2,000	---	+2,000
Defense Nuclear Nonproliferation Construction					
Project 99-D-143 Rescission.....	-282,133	---	---	+282,133	---
Naval Reactors Rescission.....	-6,000	---	---	+6,000	---

Subtotal, General Provisions.....	-286,133	---	2,000	+288,133	+2,000
	=====				
Total Summary of Accounts, Department of Energy...	44,855,624	49,004,440	46,243,359	+1,387,735	-2,761,081
	=====				

1/ Totals include alternative financing costs, reimbursable agreement funding, and power purchase and wheeling expenditures. Offsetting collection totals reflect funds collected for annual expenses, including power purchase and wheeling

TITLE IV—INDEPENDENT AGENCIES

APPALACHIAN REGIONAL COMMISSION

The agreement provides \$200,000,000 for the Appalachian Regional Commission (ARC).

The agreement provides \$8,000,000 for Local Development Districts.

The agreement provides \$10,000,000 to continue the program of high-speed broadband deployment in distressed counties within the Central Appalachian region that have been most negatively impacted by the downturn in the coal industry.

The agreement provides not less than \$15,000,000 for counties within the Northern Appalachian region to support economic development, manufacturing, and entrepreneurship.

The agreement provides \$16,000,000 for a program of basic infrastructure improvements in distressed counties in Central Appalachia. Funds shall be distributed according to ARC's distressed counties formula and shall be in addition to the regular allocation to distressed counties.

The agreement provides \$65,000,000 is for the POWER Plan.

The agreement includes \$13,000,000 to address the substance abuse crisis that disproportionately affects Appalachia.

The agreement provides not less than \$16,000,000 for a program of industrial site and workforce development in Southern and South Central Appalachia, focused primarily on the automotive supplier sector and the aviation sector. Up to \$13,500,000 of that amount is for activities in Southern Appalachia. The funds shall be distributed to states that have distressed counties in Southern and South Central Appalachia using the ARC Area Development Formula.

The agreement provides \$15,000,000 to continue a program of high-speed broadband deployment in economically distressed counties within the North Central and Northern Appalachian regions.

The agreement reiterates House direction regarding high-poverty areas.

DEFENSE NUCLEAR FACILITIES SAFETY BOARD

SALARIES AND EXPENSES

The agreement provides \$41,401,000 for the Defense Nuclear Facilities Safety Board (DNFSB).

Congress permanently authorized the Inspector General for the Nuclear Regulatory Commission to serve as the Inspector General for the DNFSB. The agreement includes \$1,520,000 within the Office of Inspector General of the Nuclear Regulatory Commission to perform these services.

DELTA REGIONAL AUTHORITY
SALARIES AND EXPENSES

The agreement provides \$30,100,000 for the Delta Regional Authority.

The agreement includes not less than \$15,000,000 for flood control, basic public infrastructure development, and transportation improvements, which shall be allocated separate from the state formula funding method.

The agreement reiterates House direction regarding high-poverty areas.

DENALI COMMISSION

The agreement provides \$17,000,000 for the Denali Commission.

The agreement reiterates House direction regarding high-poverty areas.

NORTHERN BORDER REGIONAL COMMISSION

The agreement provides \$40,000,000 for the Northern Border Regional Commission (NBRC).

The agreement provides not less than \$4,000,000 for initiatives that seek to address the decline in forest-based economies throughout the region and \$1,250,000 for the State Capacity Building Grant Program authorized in the 2018 Farm Bill, provided that the funds support dedicated in-state resources focused on NBRC programs.

The agreement reiterates House direction regarding high-poverty areas.

SOUTHEAST CRESCENT REGIONAL COMMISSION

The agreement provides \$20,000,000 for the Southeast Crescent Regional Commission.

The agreement reiterates House direction regarding high-poverty areas.

SOUTHWEST BORDER REGIONAL COMMISSION

The agreement provides \$5,000,000 for the Southwest Border Regional Commission.

The agreement supports targeted investment in impoverished areas to promote economic development in communities where it has been scarce, both in persistent poverty counties and in other high-poverty areas.

NUCLEAR REGULATORY COMMISSION
SALARIES AND EXPENSES

The agreement provides \$911,384,000 for the Nuclear Regulatory Commission. This amount is offset by estimated revenues of \$777,498,000, resulting in a net appropriation of \$133,886,000.

Budget Execution Plan.—The Commission is directed to provide to the Committees not later than 30 days after enactment of this Act a specific budget execution plan. The plan shall include details at the product line level within each of the control points.

Integrated University Program.—The Commission is directed to use \$16,000,000 of prior year, unobligated balances for the Integrated University Program, including for grants to support research projects that do not align with programmatic missions but are critical to maintaining the discipline of nuclear science and engineering. Because the Commission has already collected fees corresponding to these activities in prior years, the agreement does not include these funds within the fee base calculation for determining authorized revenues and does not provide authority to collect additional offsetting receipts for their use.

Advanced Nuclear Reactor Regulatory Infrastructure.—The agreement includes \$23,800,000 for the development of regulatory infrastructure for advanced nuclear technologies, which is not subject to the Commission's general fee recovery collection requirements. The Commission is encouraged to incorporate nuclear safeguards and security requirements into its development of the advanced reactor regulatory infrastructure and to work with the Department of Energy, the International Atomic Energy Agency, and other groups in the formulation of its licensing requirements.

Accident Tolerant Fuels Program.—The Commission is directed to submit a report to the Committees on the preparedness for accident tolerant fuel licensing with a focus on what steps are being taken to ensure that licensing activities (including higher burnup and enrichment) support projected deployment schedules.

(Dollars in thousands)

Account	Final Bill
Nuclear Reactor Safety.....	\$490,673
Integrated University Program.....	16,000
Nuclear Materials and Waste Safety.....	111,594
Decommissioning and Low-Level Waste.....	23,866
Corporate Support.....	285,251
Use of Prior-Year Balances.....	-16,000
TOTAL, Nuclear Regulatory Commission.....	911,384

OFFICE OF INSPECTOR GENERAL

The agreement provides \$15,769,000 for the Office of Inspector General in the Nuclear Regulatory Commission. This amount is offset by revenues of \$12,655,000, resulting in a net appropriation of \$3,114,000.

The agreement provides \$1,520,000 to provide inspector general services for the Defense Nuclear Facilities Safety Board.

NUCLEAR WASTE TECHNICAL REVIEW BOARD

SALARIES AND EXPENSES

The agreement provides \$3,945,000 for the Nuclear Waste Technical Review Board.

GENERAL PROVISIONS—INDEPENDENT AGENCIES

The agreement includes a provision instructing the Nuclear Regulatory Commission on responding to congressional requests for information.

The agreement includes a provision relating to reprogramming.

TITLE V—GENERAL PROVISIONS
(INCLUDING TRANSFER OF FUNDS)

The agreement includes a provision relating to lobbying restrictions.

The agreement includes a provision relating to transfer authority. No additional transfer authority is implied or conveyed by this provision. For the purposes of this provision, the term “transfer” shall mean the shifting of all or part of the budget authority in one account to another.

The agreement includes a provision prohibiting funds to be used in contravention of the executive order entitled “Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations.”

The agreement includes a provision prohibiting the use of funds to establish or maintain a computer network unless such network blocks the viewing, downloading, and exchanging of pornography, except for law enforcement investigation, prosecution, or adjudication activities.

DISCLOSURE OF EARMARKS AND CONGRESSIONALLY DIRECTED SPENDING ITEMS

Following is a list of congressional earmarks and congressionally directed spending items (as defined in clause 9 of rule XXI of the Rules of the House of Representatives and rule XLIV of the Standing Rules of the Senate, respectively) included in the bill or this explanatory statement, along with the name of each House Member, Senator, Delegate, or Resident Commissioner who submitted a request to the Committee of jurisdiction for each item so identified. For each item, a Member is required to provide a certification that neither the Member nor the Member's immediate family has a financial interest, and each Senator is required to provide a certification that neither the Senator nor the Senator's immediate family has a pecuniary interest in such congressionally directed spending item. Neither the bill nor the explanatory statement contains any limited tax benefits or limited tariff benefits as defined in the applicable House and Senate rules.

~~ENERGY AND WATER DEVELOPMENT~~

~~[Community Project Funding / Congressionally Directed Spending]~~

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ENERGY AND WATER DEVELOPMENT

[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; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Construction	Acequias Environmental Infrastructure, NM; U.S. Army Corps of Engineers	—	\$9,600,000	\$9,600,000		Heinrich, Luján	S
Army Corps of Engineers (Civil)	Construction	Alameda and Contra Costa Counties, CA; U.S. Army Corps of Engineers	—	4,200,000	4,200,000	Lee (CA)	Feinstein, Padilla	H
Army Corps of Engineers (Civil)	Construction	Albany, GA; U.S. Army Corps of Engineers	—	4,000,000	4,000,000		Ossoff	S
Army Corps of Engineers (Civil)	Construction	American River Watershed, Folsom Dam Raise, CA; U.S. Army Corps of Engineers	—	3,058,000	3,058,000	Matsui	Padilla	H
Army Corps of Engineers (Civil)	Construction	Atchison, KS CSO Environmental Infrastructure; U.S. Army Corps of Engineers	—	500,000	500,000		Moran	S
Army Corps of Engineers (Civil)	Construction	Barnegat Inlet to Little Egg Inlet, NJ; U.S. Army Corps of Engineers	—	32,000,000	32,000,000	Van Drew	Booker, Menendez	H/S
Army Corps of Engineers (Civil)	Construction	Beneficial Use of Dredged Material Pilot Program (Hickory Cove Marsh and Living Shoreline, TX); U.S. Army Corps of Engineers	—	500,000	500,000	Weber (TX)		H

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; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Construction	Calaveras County, Section 219, CA; U.S. Army Corps of Engineers	—	1,000,000	1,000,000		Feinstein	S
Army Corps of Engineers (Civil)	Construction	Calcasieu River and Pass, LA; U.S. Army Corps of Engineers	—	9,000,000	9,000,000	Higgins (LA)	Cassidy	H/S
Army Corps of Engineers (Civil)	Construction	Calumet Region, IN; U.S. Army Corps of Engineers	—	4,500,000	4,500,000	Mrvan		H
Army Corps of Engineers (Civil)	Construction	Central West Virginia Environmental Infrastructure, WV (Section 571); U.S. Army Corps of Engineers	—	10,000,000	10,000,000		Capito	S
Army Corps of Engineers (Civil)	Construction	Charleston Harbor, SC; U.S. Army Corps of Engineers	—	10,000,000	10,000,000		Graham	S
Army Corps of Engineers (Civil)	Construction	Chesapeake Bay Environmental Restoration & Protection Program, DC, DE, MD, NY, PA, VA & WV (Hoopers Island, MD); U.S. Army Corps of Engineers	—	100,000	100,000		Van Hollen	S
Army Corps of Engineers (Civil)	Construction	Chesapeake Bay Environmental Restoration & Protection Program, DC, DE, MD, NY, PA, VA & WV (Money Point, VA); U.S. Army Corps of Engineers	—	11,250,000	11,250,000	Scott (VA)	Cardin, Casey	H/S

Army Corps of Engineers (Civil)	Construction	Chesapeake Bay Oyster Recovery, MD & VA; U.S. Army Corps of Engineers	\$3,500,000	4,000,000	7,500,000		Van Hollen	S
Army Corps of Engineers (Civil)	Construction	Columbia River Channel Improvements, OR & WA; U.S. Army Corps of Engineers	—	4,000,000	4,000,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Construction	Cook County, IL (Cicero Water Main Replacement); U.S. Army Corps of Engineers	—	2,000,000	2,000,000	García (IL)		H
Army Corps of Engineers (Civil)	Construction	Cook County, IL; U.S. Army Corps of Engineers	—	4,000,000	4,000,000	Kelly (IL), Newman		H
Army Corps of Engineers (Civil)	Construction	Delaware Coast Protection, DE; U.S. Army Corps of Engineers	—	150,000	150,000		Carper, Coons	S
Army Corps of Engineers (Civil)	Construction	Des Plaines River, IL (Phase II); U.S. Army Corps of Engineers	—	11,000,000	11,000,000		Durbin	S
Army Corps of Engineers (Civil)	Construction	Desert Hot Springs, Section 219, CA; U.S. Army Corps of Engineers	—	800,000	800,000		Feinstein, Padilla	S
Army Corps of Engineers (Civil)	Construction	Desoto County Regional Wasteway System, MS; U.S. Army Corps of Engineers	—	7,835,000	7,835,000		Hyde-Smith, Wicker	S
Army Corps of Engineers (Civil)	Construction	Duwamish and Green River Basin, WA; U.S. Army Corps of Engineers	—	2,000,000	2,000,000		Cantwell, Murray	S
Army Corps of Engineers (Civil)	Construction	El Paso County, TX; U.S. Army Corps of Engineers	—	1,000,000	1,000,000	Escobar		H
Army Corps of Engineers (Civil)	Construction	Florida Keys Water Quality Improvement Project, FL; U.S. Army Corps of Engineers	—	5,694,000	5,694,000	Gimenez		H

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Construction	Freeport Harbor, TX; U.S. Army Corps of Engineers	—	90,660,000	90,660,000	Weber (TX)		H
Army Corps of Engineers (Civil)	Construction	Hamilton Airfield Wetlands Restoration, CA; U.S. Army Corps of Engineers	—	500,000	500,000		Feinstein, Padilla	S
Army Corps of Engineers (Civil)	Construction	Hudson-Raritan Estuary, NY & NJ (Fresh Creek, NY); U.S. Army Corps of Engineers	—	500,000	500,000	Jeffries	Schumer	H
Army Corps of Engineers (Civil)	Construction	Indiana Shoreline, IN; U.S. Army Corps of Engineers	—	1,000,000	1,000,000	M Ryan		H
Army Corps of Engineers (Civil)	Construction	Indianapolis, IN; U.S. Army Corps of Engineers	—	500,000	500,000	Carson		H
Army Corps of Engineers (Civil)	Construction	J Bennett Johnston Waterway, LA; U.S. Army Corps of Engineers	—	15,500,000	15,500,000	Letlow	Cassidy	H
Army Corps of Engineers (Civil)	Construction	Lakes Marion and Moultrie, SC; U.S. Army Corps of Engineers	—	10,511,000	10,511,000	Clyburn	Graham	H/S
Army Corps of Engineers (Civil)	Construction	Little Wood River, ID; U.S. Army Corps of Engineers	—	2,300,000	2,300,000	Simpson		H
Army Corps of Engineers (Civil)	Construction	Lugert-Altus Irrigation District, OK; U.S. Army Corps of Engineers	—	5,000,000	5,000,000	Lucas	Inhofe	H/S

Army Corps of Engineers (Civil)	Construction	Madison and St. Clair Counties, IL (Cahokia Heights); U.S. Army Corps of Engineers	—	3,500,000	3,500,000		Durbin	S
Army Corps of Engineers (Civil)	Construction	Madison and St. Clair Counties, IL (Wood River & Belleville); U.S. Army Corps of Engineers	—	3,500,000	3,500,000		Durbin	S
Army Corps of Engineers (Civil)	Construction	McClellan-Kerr Arkansas River Navigation System, AR & OK; U.S. Army Corps of Engineers	—	10,000,000	10,000,000		Inhofe	S
Army Corps of Engineers (Civil)	Construction	Michigan Combined Sewer Overflows, Lansing, MI; U.S. Army Corps of Engineers	—	6,000,000	6,000,000		Peters, Stabenow	S
Army Corps of Engineers (Civil)	Construction	Murrieta Creek, CA; U.S. Army Corps of Engineers	—	8,500,000	8,500,000	Calvert, Issa	Feinstein, Padilla	H/S
Army Corps of Engineers (Civil)	Construction	Norfolk Harbor and Channels, Craney Island, VA; U.S. Army Corps of Engineers	—	30,000,000	30,000,000		Kaine, Warner	S
Army Corps of Engineers (Civil)	Construction	North Carolina Section 5113, NC (Brunswick County); U.S. Army Corps of Engineers	—	100,000	100,000	Rouzer		H
Army Corps of Engineers (Civil)	Construction	North Carolina Section 5113, NC (Holden Beach); U.S. Army Corps of Engineers	—	100,000	100,000	Rouzer		H
Army Corps of Engineers (Civil)	Construction	Ohio Environmental Infrastructure, Section 594, OH (Avon Lake); U.S. Army Corps of Engineers	—	1,000,000	1,000,000		Brown	S
Army Corps of Engineers (Civil)	Construction	Ohio Environmental Infrastructure, Section 594, OH (Canfield Township); U.S. Army Corps of Engineers	—	1,000,000	1,000,000		Brown	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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						House	Senate	
Army Corps of Engineers (Civil)	Construction	Ohio Environmental Infrastructure, Section 594, OH (Cleveland); U.S. Army Corps of Engineers	—	1,000,000	1,000,000		Brown	S
Army Corps of Engineers (Civil)	Construction	Ohio Riverfront, Cincinnati, OH; U.S. Army Corps of Engineers	—	900,000	900,000	Chabot	Brown	H/S
Army Corps of Engineers (Civil)	Construction	Puget Sound Nearshore Marine Habitat Restoration, WA; U.S. Army Corps of Engineers	—	6,000,000	6,000,000		Cantwell, Murray	S
Army Corps of Engineers (Civil)	Construction	Sabine-Neches Waterway, TX; U.S. Army Corps of Engineers	—	167,402,000	167,402,000	Weber (TX)		H
Army Corps of Engineers (Civil)	Construction	Sacramento Area Environmental Infrastructure (Orangevale), CA; U.S. Army Corps of Engineers	—	2,000,000	2,000,000	Bera		H
Army Corps of Engineers (Civil)	Construction	South Central Pennsylvania Environmental Improvement, PA (Allegheny County); U.S. Army Corps of Engineers	—	2,000,000	2,000,000		Casey	S
Army Corps of Engineers (Civil)	Construction	South Central Pennsylvania Environmental Improvement, PA; U.S. Army Corps of Engineers	—	4,000,000	4,000,000		Casey	S

Army Corps of Engineers (Civil)	Construction	South Florida Ecosystem Restoration, FL (Southcentral Biscayne Bay Hydrologic Monitoring Network); U.S. Army Corps of Engineers	—	350,000	350,000	Gimenez		H
Army Corps of Engineers (Civil)	Construction	South Florida Ecosystem Restoration, FL; U.S. Army Corps of Engineers	406,982,000	40,000,000	446,982,000	Mast		H
Army Corps of Engineers (Civil)	Construction	Southern West Virginia Environmental Infrastructure, WV (Section 340); U.S. Army Corps of Engineers	—	10,000,000	10,000,000		Capito	S
Army Corps of Engineers (Civil)	Construction	Southwest Coastal Louisiana Hurricane Protection, LA ; U.S. Army Corps of Engineers	—	10,000,000	10,000,000	Higgins (LA)	Cassidy	H/S
Army Corps of Engineers (Civil)	Construction	Texas Environmental Infrastructure Program, TX (Bear Branch Dam Modification); U.S. Army Corps of Engineers	—	3,600,000	3,600,000	Crenshaw		H
Army Corps of Engineers (Civil)	Construction	Townsend's Inlet to Cape May Inlet, NJ; U.S. Army Corps of Engineers	—	1,000,000	1,000,000		Menendez	S
Army Corps of Engineers (Civil)	Construction	Unalaska (Dutch Harbor) Channels, AK; U.S. Army Corps of Engineers	—	25,600,000	25,600,000		Murkowski	S
Army Corps of Engineers (Civil)	Construction	Upper Mississippi River—Illinois WW System, IL, IA, MN, MO & WI; U.S. Army Corps of Engineers	—	49,300,000	49,300,000	Bustos, Graves (MO), LaHood, Luetkemeyer	Baldwin, Blunt, Duckworth, Durbin, Klobuchar, Smith	H/S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Construction	Western Rural Water, AZ, NV, MT, ID, NM, UT & WY (Arizona Environmental Infrastructure, AZ—City of Douglas); U.S. Army Corps of Engineers	—	2,175,000	2,175,000	Kirkpatrick	Kelly, Sinema	H/S
Army Corps of Engineers (Civil)	Construction	Western Rural Water, AZ, NV, MT, ID, NM, UT & WY (Arizona Environmental Infrastructure, AZ—Fort Tuthill); U.S. Army Corps of Engineers	—	3,300,000	3,300,000		Kelly, Sinema	S
Army Corps of Engineers (Civil)	Construction	Western Rural Water, AZ, NV, MT, ID, NM, UT & WY (Arizona Environmental Infrastructure, AZ); U.S. Army Corps of Engineers	—	5,550,000	5,550,000	Stanton		H
Army Corps of Engineers (Civil)	Construction	Western Rural Water, AZ, NV, MT, ID, NM, UT & WY (New Mexico Environmental Infrastructure, NM); U.S. Army Corps of Engineers	—	11,000,000	11,000,000		Heinrich, Lujan	S
Army Corps of Engineers (Civil)	Construction/Section 103	Grosse Pointe Shoreline, MI; U.S. Army Corps of Engineers	—	100,000	100,000	Lawrence		H
Army Corps of Engineers (Civil)	Construction/Section 103	Lakeshore Drive Seawall Restoration, MI; U.S. Army Corps of Engineers	—	100,000	100,000		Peters	S

Army Corps of Engineers (Civil)	Construction/Section 103	North Beach Boardwalk Erosion Control & Shoreline Resiliency, VA; U.S. Army Corps of Engineers	—	50,000	50,000		Kaine, Warner	S
Army Corps of Engineers (Civil)	Construction/Section 14	BIA Route 2 Near on the Tree, SD; U.S. Army Corps of Engineers	—	100,000	100,000		Rounds	S
Army Corps of Engineers (Civil)	Construction/Section 14	Ring Thunder Road, Mellette County, SD; U.S. Army Corps of Engineers	—	100,000	100,000		Rounds	S
Army Corps of Engineers (Civil)	Construction/Section 204	Hampton Roads Beneficial Use, VA; U.S. Army Corps of Engineers	—	200,000	200,000		Kaine, Warner	S
Army Corps of Engineers (Civil)	Construction/Section 205	City of Springfield, 42nd Street Levee, OR; U.S. Army Corps of Engineers	—	460,000	460,000	DeFazio		H
Army Corps of Engineers (Civil)	Construction/Section 205	Grand Rapids Riverfront, MI; U.S. Army Corps of Engineers	—	100,000	100,000		Peters, Stabenow	S
Army Corps of Engineers (Civil)	Construction/Section 205	Jefferson Chalmers, MI; U.S. Army Corps of Engineers	—	300,000	300,000		Peters	S
Army Corps of Engineers (Civil)	Construction/Section 205	Silver Creek, Bristol, RI; U.S. Army Corps of Engineers	—	50,000	50,000		Reed	S
Army Corps of Engineers (Civil)	Construction/Section 206	Upper Santa Clara River Watershed Management Project, CA; U.S. Army Corps of Engineers	—	50,000	50,000		Feinstein, Padilla	S
Army Corps of Engineers (Civil)	Investigations	Atlantic Intracoastal Waterway, North Landing Bridge, VA; U.S. Army Corps of Engineers	—	5,000,000	5,000,000		Kaine, Warner	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Investigations	Bonneville Lock and Dam, WA (Tribal Housing); U.S. Army Corps of Engineers	—	100,000	100,000		Cantwell, Murray	S
Army Corps of Engineers (Civil)	Investigations	Brunswick County Beaches, NC (Holden Beach); U.S. Army Corps of Engineers	—	1,000,000	1,000,000	Rouzer	Burr	H/S
Army Corps of Engineers (Civil)	Investigations	Brunswick County Beaches, NC (Oak Island); U.S. Army Corps of Engineers	—	500,000	500,000		Burr	S
Army Corps of Engineers (Civil)	Investigations	Brunswick Harbor, GA; U.S. Army Corps of Engineers	—	1,500,000	1,500,000	Carter (GA)	Ossoff, Warnock	H/S
Army Corps of Engineers (Civil)	Investigations	Cave Buttes Dam, AZ; U.S. Army Corps of Engineers	—	200,000	200,000		Kelly, Sinema	S
Army Corps of Engineers (Civil)	Investigations	Charleston Peninsula, SC; U.S. Army Corps of Engineers	—	13,325,000	13,325,000		Graham	S
Army Corps of Engineers (Civil)	Investigations	Charleston, SC Tidal and Inland Flooding — Flood Risk Management; U.S. Army Corps of Engineers	—	200,000	200,000		Graham	S
Army Corps of Engineers (Civil)	Investigations	Charlotte County, FL; U.S. Army Corps of Engineers	—	500,000	500,000	Steube		H
Army Corps of Engineers (Civil)	Investigations	Christiansted Harbor, VI; U.S. Army Corps of Engineers	—	200,000	200,000	Plaskett		H

Army Corps of Engineers (Civil)	Investigations	Columbia River Turning Basin Navigation Improvements, WA & OR; U.S. Army Corps of Engineers	—	900,000	900,000	Herrera Beutler	Cantwell, Murray	H/S
Army Corps of Engineers (Civil)	Investigations	Florida Keys, Monroe County, FL; U.S. Army Corps of Engineers	—	916,000	916,000	Gimenez		H
Army Corps of Engineers (Civil)	Investigations	Folly Beach, SC; U.S. Army Corps of Engineers	—	500,000	500,000		Graham	S
Army Corps of Engineers (Civil)	Investigations	Great Lakes Coastal Resiliency Study, IL, IN, MI, MN, NY, OH, PA and WI; U.S. Army Corps of Engineers	600,000	2,400,000	3,000,000	Katko	Schumer	H/S
Army Corps of Engineers (Civil)	Investigations	Gulfport Harbor, MS; U.S. Army Corps of Engineers	—	200,000	200,000	Palazzo	Hyde-Smith, Wicker	H/S
Army Corps of Engineers (Civil)	Investigations	Hartford and East Hartford, CT; U.S. Army Corps of Engineers	—	1,000,000	1,000,000	Larson (CT)	Blumenthal, Murphy	H/S
Army Corps of Engineers (Civil)	Investigations	Homer Navigation Improvements, AK; U.S. Army Corps of Engineers	—	300,000	300,000		Murkowski	S
Army Corps of Engineers (Civil)	Investigations	Hoosic River Basin, MA; U.S. Army Corps of Engineers	—	200,000	200,000	Neal	Markey, Warren	H
Army Corps of Engineers (Civil)	Investigations	John Day Lock and Dam, OR & WA (Tribal Housing); U.S. Army Corps of Engineers	—	200,000	200,000		Cantwell, Murray	S
Army Corps of Engineers (Civil)	Investigations	Kentucky River, Beattyville, KY; U.S. Army Corps of Engineers	—	800,000	800,000	Rogers (KY)		H
Army Corps of Engineers (Civil)	Investigations	Lower Missouri Basin—Brunswick L-246, MO; U.S. Army Corps of Engineers	—	500,000	500,000	Graves (MO)	Blunt	H/S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Investigations	Lower Missouri Basin—Holt County, MO & Doniphan County, KS; U.S. Army Corps of Engineers	—	600,000	600,000	Graves (MO)	Blunt	H/S
Army Corps of Engineers (Civil)	Investigations	Lower Missouri Basin—Jefferson City L-142, MO; U.S. Army Corps of Engineers	—	500,000	500,000	Luetkemeyer	Blunt	H/S
Army Corps of Engineers (Civil)	Investigations	Lower Moreau, SD; U.S. Army Corps of Engineers	—	230,000	230,000		Rounds	S
Army Corps of Engineers (Civil)	Investigations	Menominee River Deepening, MI & WI; U.S. Army Corps of Engineers	—	600,000	600,000		Baldwin, Peters, Stabenow	S
Army Corps of Engineers (Civil)	Investigations	Middle Creek, CA; U.S. Army Corps of Engineers	—	750,000	750,000	Thompson (CA)		H
Army Corps of Engineers (Civil)	Investigations	New York and New Jersey Harbor Deepening and Channel Improvements Study, NY & NJ; U.S. Army Corps of Engineers	—	1,000,000	1,000,000		Booker, Menendez	S
Army Corps of Engineers (Civil)	Investigations	Northern California Streams, Lower Cache Creek, Yolo County, Woodland & Vicinity, CA; U.S. Army Corps of Engineers	—	1,000,000	1,000,000	Garamendi	Feinstein, Padilla	H/S
Army Corps of Engineers (Civil)	Investigations	Port Fourchon Belle Pass Channel, LA; U.S. Army Corps of Engineers	—	303,000	303,000	Scalise		H

Army Corps of Engineers (Civil)	Investigations	Port of Iberia, LA; U.S. Army Corps of Engineers	—	1,200,000	1,200,000	Higgins (LA)		H
Army Corps of Engineers (Civil)	Investigations	Redbank and Fancher Creeks, CA; U.S. Army Corps of Engineers	—	200,000	200,000	Costa	Feinstein, Padilla	H
Army Corps of Engineers (Civil)	Investigations	Rio Salado Oeste, Salt River, AZ; U.S. Army Corps of Engineers	—	300,000	300,000	Stanton		H
Army Corps of Engineers (Civil)	Investigations	River Basin Commissions (Mid-Atlantic River Basin Commissions: Delaware River Basin Commission); U.S. Army Corps of Engineers	—	715,000	715,000	Watson Coleman	Casey	H
Army Corps of Engineers (Civil)	Investigations	South Fork of the South Branch of the Chicago River, IL; U.S. Army Corps of Engineers	—	1,300,000	1,300,000		Durbin	S
Army Corps of Engineers (Civil)	Investigations	St. Augustine Back Bay, FL; U.S. Army Corps of Engineers	—	1,000,000	1,000,000	Rutherford		H
Army Corps of Engineers (Civil)	Investigations	St. George Harbor Improvement, St. George, AK; U.S. Army Corps of Engineers	—	2,500,000	2,500,000		Murkowski	S
Army Corps of Engineers (Civil)	Investigations	St. Louis Riverfront, Meramec River Basin, MO and IL; U.S. Army Corps of Engineers	—	1,400,000	1,400,000	Luetkemeyer		H
Army Corps of Engineers (Civil)	Investigations	Tacoma Harbor, WA; U.S. Army Corps of Engineers	—	1,500,000	1,500,000		Cantwell, Murray	S
Army Corps of Engineers (Civil)	Investigations	Tennessee Tombigbee Waterway and Black Warrior and Tombigbee Rivers Deepening Study, AL & MS; U.S. Army Corps of Engineers	—	2,600,000	2,600,000		Shelby	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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						House	Senate	
Army Corps of Engineers (Civil)	Investigations	Thunder Butte Flood Risk Resiliency, SD; U.S. Army Corps of Engineers	—	430,000	430,000		Rounds	S
Army Corps of Engineers (Civil)	Investigations	Upper Guyandotte Feasibility Study, WV; U.S. Army Corps of Engineers	—	250,000	250,000		Capito	S
Army Corps of Engineers (Civil)	Investigations	Watertown and Vicinity, SD ; U.S. Army Corps of Engineers	—	850,000	850,000		Rounds	S
Army Corps of Engineers (Civil)	Investigations	Whippany River, NJ; U.S. Army Corps of Engineers	—	300,000	300,000	Sherrill	Booker, Menendez	H
Army Corps of Engineers (Civil)	Investigations	Willamette River Environmental Dredging, OR; U.S. Army Corps of Engineers	—	374,000	374,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Investigations	Wilmington Harbor Navigation Improvements, NC; U.S. Army Corps of Engineers	—	1,500,000	1,500,000	Rouzer	Burr, Tillis	H/S
Army Corps of Engineers (Civil)	Mississippi River and Tributaries	Bayou Meto Basin, AR; U.S. Army Corps of Engineers	—	14,000,000	14,000,000		Boozman	S
Army Corps of Engineers (Civil)	Mississippi River and Tributaries	Grand Prairie Region, AR; U.S. Army Corps of Engineers	—	12,000,000	12,000,000		Boozman	S
Army Corps of Engineers (Civil)	Mississippi River and Tributaries	Morganza to the Gulf, LA; U.S. Army Corps of Engineers	—	31,000,000	31,000,000	Graves (LA), Scalise	Cassidy	H/S

Army Corps of Engineers (Civil)	Mississippi River and Tributaries	Yazoo Basin, Delta Headwaters Project, MS; U.S. Army Corps of Engineers	—	7,400,000	7,400,000		Hyde-Smith	S
Army Corps of Engineers (Civil)	Mississippi River and Tributaries	Yazoo Basin, Grenada Lake, MS; U.S. Army Corps of Engineers	5,709,000	10,000,000	15,709,000	Kelly (MS)	Hyde-Smith	H
Army Corps of Engineers (Civil)	Mississippi River and Tributaries	Yazoo Basin, Upper Yazoo, MS; U.S. Army Corps of Engineers	—	25,000,000	25,000,000		Hyde-Smith	S
Army Corps of Engineers (Civil)	Mississippi River and Tributaries	Yazoo Basin, Yazoo Backwater Area, MS; U.S. Army Corps of Engineers	—	4,500,000	4,500,000		Hyde-Smith, Wicker	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Alabama River Lakes, AL; U.S. Army Corps of Engineers	23,248,000	6,700,000	29,948,000		Shelby	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Apalachicola, Chattahoochee, and Flint (ACF) Rivers, GA, AL and FL (George W. Andrews Lake, AL); U.S. Army Corps of Engineers	—	356,000	356,000		Shelby	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Applegate Lake, OR (Cole Rivers Hatchery); U.S. Army Corps of Engineers	—	247,000	247,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Baltimore Harbor & Channels (50 foot), MD (Tangier Island Beneficial Use, VA); U.S. Army Corps of Engineers	—	300,000	300,000		Kaine, Warner	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Black Rock Channel and Tonawanda Harbor, NY; U.S. Army Corps of Engineers	2,277,000	10,000,000	12,277,000	Higgins (NY)		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Black Warrior & Tombigbee Rivers (BWT), AL; U.S. Army Corps of Engineers	63,945,000	7,250,000	71,195,000		Shelby	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project, Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Operation and Maintenance	Branford Harbor, CT; U.S. Army Corps of Engineers	—	380,000	380,000		Blumenthal, Murphy	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Burns Waterway Small Boat Harbor, IN; U.S. Army Corps of Engineers	8,000	914,000	922,000	Mrvan		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Cedar Creek, DE; U.S. Army Corps of Engineers	—	1,110,000	1,110,000		Carper, Coons	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Charlotte Amalie (St. Thomas) Harbor, VI; U.S. Army Corps of Engineers	—	200,000	200,000	Plaskett		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Chatham (Stage) Harbor, MA; U.S. Army Corps of Engineers	—	800,000	800,000		Markey, Warren	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Conneaut Harbor, OH; U.S. Army Corps of Engineers	2,020,000	450,000	2,470,000	Joyce (OH)		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Coos Bay, OR; U.S. Army Corps of Engineers	8,048,000	10,528,000	18,576,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Coquille River, OR; U.S. Army Corps of Engineers	574,000	320,000	894,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Dauphin Island Bay, AL; U.S. Army Corps of Engineers	—	7,000,000	7,000,000		Shelby	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Dunkirk Harbor, NY; U.S. Army Corps of Engineers	3,000	4,750,000	4,753,000		Schumer	S

Army Corps of Engineers (Civil)	Operation and Maintenance	Fairport Harbor, OH; U.S. Army Corps of Engineers	2,346,000	450,000	2,796,000	Joyce (OH)		H
Army Corps of Engineers (Civil)	Operation and Maintenance	George's River, ME; U.S. Army Corps of Engineers	—	500,000	500,000		Collins	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Great Sodus Bay Harbor, NY (Breakwater); U.S. Army Corps of Engineers	—	20,000,000	20,000,000		Schumer	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Guilford Harbor, Guilford, CT; U.S. Army Corps of Engineers	—	500,000	500,000		Blumenthal, Murphy	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Intracoastal Waterway, Jacksonville to Miami, FL; U.S. Army Corps of Engineers	4,230,000	2,000,000	6,230,000	Mast		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Intracoastal Waterway, Rehoboth Bay to Delaware Bay, DE; U.S. Army Corps of Engineers	550,000	7,000,000	7,550,000		Carper	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Isle au Haut Thoroughfare, ME; U.S. Army Corps of Engineers	—	150,000	150,000		Collins, King	S
Army Corps of Engineers (Civil)	Operation and Maintenance	James River Channel, VA; U.S. Army Corps of Engineers	420,000	10,696,000	11,116,000		Kaine, Warner	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Jim Woodruff Lock and Dam, FL, AL & GA (Lake Seminole); U.S. Army Corps of Engineers	—	250,000	250,000		Shelby	S
Army Corps of Engineers (Civil)	Operation and Maintenance	John Day Lock & Dam, OR & WA; U.S. Army Corps of Engineers	7,533,000	960,000	8,493,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Little Machipongo River, VA; U.S. Army Corps of Engineers	—	1,945,000	1,945,000	Luria		H

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; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Operation and Maintenance	Lost Creek Lake, OR (Cole Rivers Hatchery); U.S. Army Corps of Engineers	—	1,995,000	1,995,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Manele Small Boat Harbor, HI; U.S. Army Corps of Engineers	—	542,000	542,000		Schaltz	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Manteo (Shallowbag) Bay, NC; U.S. Army Corps of Engineers	1,420,000	5,845,000	7,265,000		Burr	S
Army Corps of Engineers (Civil)	Operation and Maintenance	McClellan-Kerr Arkansas River Navigation System, OK; U.S. Army Corps of Engineers	69,197,000	18,300,000	87,497,000		Inhofe	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Michigan City Harbor, IN; U.S. Army Corps of Engineers	10,000	1,016,000	1,026,000	Mrvan		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Middle Rio Grande Endangered Species Collaborative Program, NM; U.S. Army Corps of Engineers	—	2,000,000	2,000,000		Heinrich, Luján	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Mount St. Helens Sediment Control, WA; U.S. Army Corps of Engineers	696,000	160,000	856,000	Herrera Beutler	Cantwell, Murray	H/S
Army Corps of Engineers (Civil)	Operation and Maintenance	New York and New Jersey Harbor, NY & NJ (OMMP); U.S. Army Corps of Engineers	—	3,000,000	3,000,000		Booker, Menendez	S

Army Corps of Engineers (Civil)	Operation and Maintenance	Okeechobee Waterway (OWW), FL; U.S. Army Corps of Engineers	4,556,000	2,900,000	7,456,000	Mast		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Oswego Harbor, NY; U.S. Army Corps of Engineers	5,971,000	12,000,000	17,971,000		Schumer	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Rollinson Channel, NC; U.S. Army Corps of Engineers	2,605,000	1,060,000	3,665,000		Burr	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Scarborough River, ME; U.S. Army Corps of Engineers	—	2,700,000	2,700,000		Collins	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Shrewsbury River, NJ; U.S. Army Corps of Engineers	—	26,000,000	26,000,000	Pallone		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Skipanon Channel, OR; U.S. Army Corps of Engineers	9,000	50,000	59,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Stony Creek, CT; U.S. Army Corps of Engineers	—	600,000	600,000		Blumenthal, Murphy	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Tillamook Bay and Bar, OR; U.S. Army Corps of Engineers	59,000	330,000	389,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Tuttle Creek Lake, KS; U.S. Army Corps of Engineers	3,061,000	2,800,000	5,861,000		Moran	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Umpqua River, OR; U.S. Army Corps of Engineers	1,278,000	702,000	1,980,000		Merkley, Wyden	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Waco Lake, TX; U.S. Army Corps of Engineers	4,706,000	1,000,000	5,706,000	Sessions		H
Army Corps of Engineers (Civil)	Operation and Maintenance	Walter F. George Lock and Dam, AL & GA; U.S. Army Corps of Engineers	8,890,000	2,250,000	11,140,000		Shelby	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Army Corps of Engineers (Civil)	Operation and Maintenance	Waterway Connecting Pamlico Sound and Beaufort Harbor, NC; U.S. Army Corps of Engineers	—	2,615,000	2,615,000		Burr	S
Army Corps of Engineers (Civil)	Operation and Maintenance	Wells Harbor, ME; U.S. Army Corps of Engineers	—	1,000,000	1,000,000		Collins	S
DOI/Bureau of Reclamation	Water and Related Resources	American River Basin Hydrologic Observatory Wireless Sensor Network Project, CA; Bureau of Reclamation	—	875,000	875,000		Feinstein, Padilla	S
DOI/Bureau of Reclamation	Water and Related Resources	Crooked River Water Quality and Supply Study, OR; North Unit Irrigation District	—	200,000	200,000		Merkley, Wyden	S
DOI/Bureau of Reclamation	Water and Related Resources	Franklin Canal Concrete Lining Project, TX; Bureau of Reclamation	—	100,000	100,000	Escobar		H
DOI/Bureau of Reclamation	Water and Related Resources	Lake Mead/Las Vegas Wash Program, NV; Bureau of Reclamation	598,000	6,000,000	6,598,000	Horsford		H
DOI/Bureau of Reclamation	Water and Related Resources	Lewis and Clark Rural Water System, IA, MN, SD; Bureau of Reclamation	6,601,000	12,000,000	18,601,000		Klobuchar, Rounds, Smith	S

DOI/Bureau of Reclamation	Water and Related Resources	Riverside Canal Concrete Lining Project, TX; Bureau of Reclamation	—	100,000	100,000	Gonzales, Tony		H
DOI/Bureau of Reclamation	Water and Related Resources	Sacramento River Basin Flood Plain Reactivation, CA; Bureau of Reclamation	—	7,859,000	7,859,000	Garamendi	Feinstein, Padilla	H/S
DOI/Bureau of Reclamation	Water and Related Resources	Sacramento River Fish Screen Program, CA; Bureau of Reclamation	—	1,734,000	1,734,000		Feinstein, Padilla	S
DOI/Bureau of Reclamation	Water and Related Resources	San Gabriel Basin Restoration Fund, CA; Bureau of Reclamation	—	10,000,000	10,000,000	Chu, Napolitano	Feinstein, Padilla	H/S
DOI/Bureau of Reclamation	Water and Related Resources	San Joaquin Valley Drought Relief, CA; Bureau of Reclamation	—	6,095,000	6,095,000		Feinstein, Padilla	S
DOI/Bureau of Reclamation	Water and Related Resources	San Joaquin Valley Water Collaborative Action Program, CA; Bureau of Reclamation	—	750,000	750,000		Feinstein, Padilla	S
DOI/Bureau of Reclamation	Water and Related Resources	Ventura River Project, CA (Robles Diversion Improvement Project); Bureau of Reclamation	—	1,500,000	1,500,000	Brownley	Feinstein, Padilla	H/S
Department of Energy	Energy Projects	1.2 MW Floating Solar at the Southern Regional Water Supply Facility, Orange County, FL	—	500,000	500,000	Demings		H
Department of Energy	Energy Projects	115 kW Floating Solar Project at Utilities and Customer Administration Building, Orange County, FL	—	400,000	400,000	Soto		H

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requester(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Accelerating Hydrogen Research in NY to Support Deployment of Clean Energy and Clean Industry; University at Buffalo	—	250,000	250,000		Gillibrand, Schumer	S
Department of Energy	Energy Projects	Acidic Water Pollution Cleanup and Community Economic Development through Domestic Production of Critical Minerals for National Security; The Pennsylvania State University	—	2,100,000	2,100,000	Reschenthaler	Casey	H
Department of Energy	Energy Projects	Advanced Energy Research Equipment; Emery County, UT, San Rafael Energy Research Center	—	1,492,000	1,492,000	Curtis		H
Department of Energy	Energy Projects	Advanced Separation Technologies Research; Virginia Polytechnic Institute and State University	—	1,000,000	1,000,000	Griffith	Kaine, Warner	H
Department of Energy	Energy Projects	Alaska Liquid Natural Gas Pipeline Front-End Engineering and Design (FEED); Alaska Gasline Development Corporation	—	4,000,000	4,000,000		Murkowski	S
Department of Energy	Energy Projects	Albuquerque Public Housing Electrification; Albuquerque Housing Authority	—	1,700,000	1,700,000		Heinrich, Luján	S
Department of Energy	Energy Projects	Ambler Tank Farm; City of Ambler	—	650,000	650,000		Murkowski	S

Department of Energy	Energy Projects	Beaver City Hydroelectric Plant Transportation Pipeline Re- placement; Beaver City Cor- poration, UT	—	2,000,000	2,000,000	Stewart		H
Department of Energy	Energy Projects	Belfair Electrical Capacity Infra- structure Project; Mason County Public Utility District No. 3	—	3,000,000	3,000,000	Kilmer		H
Department of Energy	Energy Projects	BioGas Turbine Driven Blower; City of Flint	—	1,000,000	1,000,000		Stabenow	S
Department of Energy	Energy Projects	Bluefield Battery Prototyping Lab- oratory—Phase 1; Center for Applied Research & Technology, Inc.	—	328,000	328,000		Capito, Manchin	S
Department of Energy	Energy Projects	Brandon Senior Citizens Center Solar Project ; Brandon Senior Citizens Center	—	7,000	7,000		Sanders	S
Department of Energy	Energy Projects	Brewer Recreational Facility En- ergy Modernization Project; Town of Brewer	—	232,000	232,000		Collins	S
Department of Energy	Energy Projects	Caliente—Advanced Metering In- frastructure; City of Caliente	—	148,000	148,000		Cortez Masto, Rosen	S
Department of Energy	Energy Projects	California State Maritime Academy Academic Microgrid ; California State University Maritime Acad- emy	—	1,000,000	1,000,000		Feinstein, Padilla	S
Department of Energy	Energy Projects	Carr Park Resilient Community Solar; City of Medford, MA	—	1,500,000	1,500,000	Clark (MA)		H
Department of Energy	Energy Projects	Center for Wind Energy; University of Texas at Dallas	—	1,600,000	1,600,000	Allred		H

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Central Maine Community College—Renewable Energy Project; Central Maine Community College	—	500,000	500,000		King	S
Department of Energy	Energy Projects	Chicago Libraries Solar Power Project; City of Chicago	—	1,000,000	1,000,000		Durbin	S
Department of Energy	Energy Projects	City of Kenosha Solar Panels; City of Kenosha	—	3,000,000	3,000,000		Baldwin	S
Department of Energy	Energy Projects	City of Madison Truax Apartment Solar Project; City of Madison	—	1,500,000	1,500,000		Baldwin	S
Department of Energy	Energy Projects	City of Racine Storage Garage Site ; City of Racine	—	1,235,000	1,235,000		Baldwin	S
Department of Energy	Energy Projects	City of Santa Clara—Fire Station Microgrid Project; City of Santa Clara	—	500,000	500,000		Feinstein, Padilla	S
Department of Energy	Energy Projects	Clark County—Energy Efficiency; Clark County	—	1,000,000	1,000,000		Cortez Masto, Rosen	S
Department of Energy	Energy Projects	Clean Energy for Facilities Project; City of Northglenn, CO	—	800,000	800,000		Bennet, Hickenlooper	S
Department of Energy	Energy Projects	Clean Energy Wayfinders Program; Hawaii State Energy Office	—	1,000,000	1,000,000	Case		H

Department of Energy	Energy Projects	Clean Heat Homes; Vermont Energy Investment Corporation	—	8,500,000	8,500,000		Leahy	S
Department of Energy	Energy Projects	Clearwater Solar Panel Project; City of Clearwater, FL	—	949,500	949,500	Crist		H
Department of Energy	Energy Projects	Combined Heat and Power System for One North Commercialization Hub; Our Katahdin	—	2,500,000	2,500,000		Collins, King	S
Department of Energy	Energy Projects	Community Lighthouse Solar and Energy Storage Resilience; Together New Orleans	—	3,800,000	3,800,000	Carter (LA)		H
Department of Energy	Energy Projects	Como Park Zoo and Conservatory Hydro Geothermal Heat Pump; City of Saint Paul, MN	—	2,200,000	2,200,000	McCollum	Klobuchar, Smith	H
Department of Energy	Energy Projects	Craig Energy Center Feasibility Study; Tri-State Generation and Transmission, Inc.	—	200,000	200,000	Perlmutter	Bennet, Hickenlooper	H
Department of Energy	Energy Projects	Critical Mineral Analytical Training Center; University of California Riverside	—	2,000,000	2,000,000	Vargas		H
Department of Energy	Energy Projects	Cyber-PERTT Technology; Louisiana State University	—	1,000,000	1,000,000		Cassidy	S
Department of Energy	Energy Projects	Cybersecurity Center for Offshore Wind energy; Old Dominion University	—	1,000,000	1,000,000		Kaine, Warner	S
Department of Energy	Energy Projects	Cybersecurity Consortium for Innovation, University of Arkansas Little Rock; University of Arkansas at Little Rock	—	5,000,000	5,000,000		Boozman	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Decatur Police Department Energy Improvement Project ; City of Decatur, Georgia	—	500,000	500,000		Ossoff	S
Department of Energy	Energy Projects	Denver and Arapahoe Disposal Site Renewable Natural Gas; City and County of Denver	—	150,000	150,000		Bennet, Hickenlooper	S
Department of Energy	Energy Projects	District Energy Solar and Geothermal Improvements in Rochester, MN; City of Rochester	—	2,000,000	2,000,000		Klobuchar, Smith	S
Department of Energy	Energy Projects	Edward Fenn Elementary School Solar Project; Gorham Randolph Shelburne Cooperative School Dist.	—	100,000	100,000		Shaheen	S
Department of Energy	Energy Projects	El Paso County LED Retrofit Energy Efficiency Project; El Paso County	—	445,000	445,000		Bennet, Hickenlooper	S
Department of Energy	Energy Projects	El Paso International Airport Solar Covered Parking Project; City of El Paso, TX	—	1,750,000	1,750,000	Escobar		H
Department of Energy	Energy Projects	Electric Power Testbed to Secure the U.S. Power Grid against Cyber Attacks ; University of Tulsa	—	1,500,000	1,500,000		Inhofe	S

Department of Energy	Energy Projects	Electric Vehicle Automotive Certification Expansion; Southern Maine Community College	—	750,000	750,000		Collins, King	S
Department of Energy	Energy Projects	Electric Vehicle Charging Hubs with Energy Storage and Floating Solar; Orlando Utilities Commission, FL	—	3,000,000	3,000,000	Demings		H
Department of Energy	Energy Projects	Electrifying Homes in Low-Income Areas of Santa Fe; City of Santa Fe	—	250,000	250,000		Heinrich	S
Department of Energy	Energy Projects	Emergency Shelter Improvements in Madison, Connecticut; Town of Madison	—	1,000,000	1,000,000		Blumenthal, Murphy	S
Department of Energy	Energy Projects	Energy Assessments for Low Income Neighborhoods and Disadvantaged Communities; City of Ithaca	—	1,500,000	1,500,000		Schumer	S
Department of Energy	Energy Projects	Energy DELTA Lab—Project Oasis; Energy DELTA Lab	—	1,500,000	1,500,000		Kaine, Warner	S
Department of Energy	Energy Projects	Energy Efficiency and Renewable Energy Upgrades; Leahy Center for Lake Champlain, Inc.	—	1,600,000	1,600,000		Leahy	S
Department of Energy	Energy Projects	Energy Efficient Retrofits; The Groden Network	—	250,000	250,000		Reed	S
Department of Energy	Energy Projects	Energy Efficient Upgrades; Providence Performing Arts Center	—	750,000	750,000		Reed	S
Department of Energy	Energy Projects	Energy Improvements for Rhode Island Public Buildings; Rhode Island Office of Energy Resources	—	5,000,000	5,000,000		Reed	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Energy Improvements of Fire Stations; City of Shawnee, KS	—	126,750	126,750	Davids (KS)		H
Department of Energy	Energy Projects	Enhanced Grid Cybersecurity Threat and Vulnerability Management; JEA	—	400,000	400,000	Rutherford		H
Department of Energy	Energy Projects	Enhanced Treatment and Site Upgrade Campus Solar Project; Union Sanitary District	—	2,150,000	2,150,000	Swalwell	Padilla	H
Department of Energy	Energy Projects	Enhancing the Royal Oak Farmers Market as a Community Resiliency Hub; City of Royal Oak	—	411,000	411,000		Peters	S
Department of Energy	Energy Projects	Euclid Microgrid; Cuyahoga County	—	1,500,000	1,500,000		Brown	S
Department of Energy	Energy Projects	Forging Oregon's Renewable Energy Source Transition Through Reimagining Education + Energy (FOREST TREE); Southern Oregon University	—	2,000,000	2,000,000		Merkley, Wyden	S
Department of Energy	Energy Projects	Fremont Municipal Critical Facility Resilience Battery Systems; East Bay Community Energy	—	1,000,000	1,000,000	Khanna	Padilla	H
Department of Energy	Energy Projects	Georgia Hydrogen Testing Consortium; Georgia Institute of Technology	—	4,000,000	4,000,000	Carter (GA)	Ossoff, Warnock	H/S

Department of Energy	Energy Projects	Geothermal Heating and Cooling System; Aquarium of Niagara	—	694,925	694,925	Higgins (NY)		H
Department of Energy	Energy Projects	Golden Gate National Recreation Area Solar Energy Production and Storage Project; Golden Gate National Parks Conservancy	—	3,000,000	3,000,000	Pelosi		H
Department of Energy	Energy Projects	Green Era Anaerobic Digester; Green Era Educational NFP	—	3,888,000	3,888,000	Rush		H
Department of Energy	Energy Projects	Green Hydrogen Laboratory Equipment; Colorado School of Mines	—	3,000,000	3,000,000	Perlmutter	Hickenlooper	H
Department of Energy	Energy Projects	Ground Mount Solar; Town of Stratford	—	67,000	67,000		Shaheen	S
Department of Energy	Energy Projects	Hardwood Cross Laminated Timbers for Energy Efficient Modular Homes; West Virginia University	—	1,200,000	1,200,000		Capito, Manchin	S
Department of Energy	Energy Projects	Hayward Municipal Critical Facility Resilience Solar and Energy Storage; East Bay Community Energy	—	1,000,000	1,000,000	Swalwell	Padilla	H
Department of Energy	Energy Projects	Historic Colonial Theatre Clean Energy Solar Array; Bethlehem Redevelopment Association	—	51,000	51,000		Shaheen	S
Department of Energy	Energy Projects	Ho'ahu Energy Cooperative Molokai's community-based renewable energy; Ho'ahu Energy Cooperative Molokai	—	3,000,000	3,000,000		Hirono, Schatz	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project, Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Hydrogen Academic Programs to Enhance the Hydrogen Economy, University of Toledo	—	3,000,000	3,000,000	Kaptur		H
Department of Energy	Energy Projects	Hydrogen Electrolyzer Performance Research; Emery County, UT, San Rafael Energy Research Center	—	1,080,000	1,080,000	Curtis		H
Department of Energy	Energy Projects	Hydrogen Infused Active Energy Emission Technology; Louisiana Tech University	—	1,100,000	1,100,000		Cassidy	S
Department of Energy	Energy Projects	Hydrokinetic Power System; City of False Pass	—	1,250,000	1,250,000		Murkowski	S
Department of Energy	Energy Projects	Largo Public Library Solar Installation Project; City of Largo, FL	—	265,000	265,000	Crist		H
Department of Energy	Energy Projects	Lincoln County Power District—Solar; Lincoln County Power District	—	1,750,000	1,750,000		Cortez Masto, Rosen	S
Department of Energy	Energy Projects	Liquified Natural Gas Opportunity Study; Greene County Industrial Developments, Inc.	—	500,000	500,000	Reschenthaler		H
Department of Energy	Energy Projects	Low- and Moderate-Income Building Electrification; Montgomery County Maryland	—	1,000,000	1,000,000	Raskin	Cardin, Van Hollen	H/S

Department of Energy	Energy Projects	Lower Willow Creek Micro-Hydro Electric Generation Project; City of Creede	—	425,000	425,000		Bennet, Hickenlooper	S
Department of Energy	Energy Projects	Luzerne County Transportation Authority Solar Panel Installation; Luzerne County Transportation Authority	—	625,000	625,000		Casey	S
Department of Energy	Energy Projects	Marin Clean Energy Storage Program; Marin Clean Energy	—	500,000	500,000		Feinstein, Padilla	S
Department of Energy	Energy Projects	Marine Energy Feasibility Study for Remote Alaskan Villages; Alaska Village Electric Cooperative, Inc.	—	1,500,000	1,500,000		Murkowski	S
Department of Energy	Energy Projects	Marjorie Post Community Park Solar Panels Project; Town of Oyster Bay, NY	—	1,000,000	1,000,000	Garbarino		H
Department of Energy	Energy Projects	Martin Luther King, Jr. Community Center Solar Panels; City of Dallas, TX, Office of Community Care	—	2,000,000	2,000,000	Johnson (TX)		H
Department of Energy	Energy Projects	Maywood Community Resilience Center Energy Storage Project; City of Maywood, CA	—	250,000	250,000	Roybal-Allard		H
Department of Energy	Energy Projects	Mecca and North Shore Electric Infrastructure Resiliency Project; Imperial Irrigation District	—	1,200,000	1,200,000	Ruiz	Feinstein, Padilla	H/S
Department of Energy	Energy Projects	Medford Irrigation District Community Solar; Medford Irrigation District	—	1,120,000	1,120,000		Merkley, Wyden	S

ENERGY AND WATER DEVELOPMENT—Continued

[Community Project Funding/Congressionally Directed Spending]

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Agency	Account	Project; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Memorial Pools Energy Efficiency Retrofits; National September 11 Memorial and Museum	—	700,000	700,000	Nadler	Booker, Gillibrand, Menendez, Schumer	H/S
Department of Energy	Energy Projects	Midstream Critical Manufacturing Industry Cybersecurity Hub; Sul Ross State University	—	2,500,000	2,500,000	Gonzales, Tony		H
Department of Energy	Energy Projects	Millcreek Battery Project; City of Saint George, UT, Utility Department	—	1,000,000	1,000,000	Stewart		H
Department of Energy	Energy Projects	Milpitas Carbon Neutral Homes Retrofit Program; City of Milpitas, CA	—	3,000,000	3,000,000	Khanna		H
Department of Energy	Energy Projects	Model Regional Operations Center to Enhance the Cyber Security of the U.S. Electricity Sector; Auburn University	—	10,000,000	10,000,000	Rogers (AL)		H
Department of Energy	Energy Projects	MultiCare Mary Bridge Hospital Electrical Infrastructure; MultiCare Mary Bridge Children's Hospital	—	5,500,000	5,500,000		Cantwell, Murray	S
Department of Energy	Energy Projects	Net-Zero Emissions at Public Schools in Manchester, CT; Town of Manchester	—	1,900,000	1,900,000		Blumenthal, Murphy	S

Department of Energy	Energy Projects	New Mexico State University Agrivoltaics Research Program; New Mexico State University	—	844,000	844,000		Heinrich, Luján	S
Department of Energy	Energy Projects	New River Feeder Electrical Sub- station; City of Fallon, NV	—	879,835	879,835	Amodei		H
Department of Energy	Energy Projects	Northwestern Michigan College Campus Geothermal Project; Northwestern Michigan College	—	2,700,000	2,700,000		Stabenow	S
Department of Energy	Energy Projects	Omaha Public Power District Grid Resiliency and Modernization; Omaha Public Power District	—	7,787,500	7,787,500	Bacon		H
Department of Energy	Energy Projects	Opportunity of Hope for Mental Health Solar Array; Monadnock Family Services	—	397,000	397,000		Shaheen	S
Department of Energy	Energy Projects	Pinewood Springs Energy Resil- iency Microgrid; Poudre Valley Rural Electric Association	—	425,000	425,000		Bennet, Hickenlooper	S
Department of Energy	Energy Projects	Port of Hueneme Comprehensive Climate Action and Adaptation Plan; Port of Hueneme, Oxnard Harbor District, CA	—	375,000	375,000	Brownley	Feinstein, Padilla	H
Department of Energy	Energy Projects	Quincy Solar Farm Project; City of Quincy	—	1,400,000	1,400,000		Durbin	S
Department of Energy	Energy Projects	Regional Clean Electricity Plan for Local Governments in Metro At- lanta; Atlanta Regional Com- mission	—	750,000	750,000	Johnson (GA)	Ossoff	H
Department of Energy	Energy Projects	Renewable Energy for Cold Stor- age Facility; Feeding America Tampa Bay Incorporated	—	2,258,992	2,258,992	Castor (FL)		H

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; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Renewable Energy Outdoor Workforce Laboratory; Manchester Community College	—	1,000,000	1,000,000	Pappas		H
Department of Energy	Energy Projects	Resilient Power for Community Health Centers ; Clean Energy Group, Inc	—	500,000	500,000		Sanders	S
Department of Energy	Energy Projects	Rindge Recreation Light Replacement; Rindge Recreation Department	—	138,000	138,000		Shaheen	S
Department of Energy	Energy Projects	Riverbank Community Center Microgrid Project; City of Riverbank, CA	—	2,500,000	2,500,000	Harder (CA)		H
Department of Energy	Energy Projects	Roof-Top Solar Array Gorham Public Works Garage; Town of Gorham	—	89,000	89,000		Shaheen	S
Department of Energy	Energy Projects	Savanna Industrial Park Anaerobic Digester; Jo-Carroll Local Redevelopment Authority	—	4,000,000	4,000,000	Bustos		H
Department of Energy	Energy Projects	Schenectady Community Virtual Power Plant; City of Schenectady, NY	—	1,000,000	1,000,000	Tonko		H
Department of Energy	Energy Projects	Scott Valley Biomass Utilization Project; Northern California Resource Center	—	1,000,000	1,000,000	LaMalfa		H

Department of Energy	Energy Projects	SmartFlower Solar Installation and Renewable Energy Programming; Girl Scouts of the Colonial Coast	—	15,000	15,000		Kaine, Warner	S
Department of Energy	Energy Projects	SMUD Neighborhood Electrification Project; Sacramento Municipal Utility District	—	3,000,000	3,000,000	Matsui		H
Department of Energy	Energy Projects	Solar and Smart Grid Modernization at the Solar Energy Park; City of Ellensburg, WA	—	1,500,000	1,500,000	Schrier		H
Department of Energy	Energy Projects	Solar Array for Higher Education; Lake Washington Institute of Technology	—	1,100,000	1,100,000		Murray	S
Department of Energy	Energy Projects	Solar at Capitol Market; Capitol Market Inc.	—	713,000	713,000		Caprio, Manchin	S
Department of Energy	Energy Projects	Solar Energy and Affordable Housing in Barrington and Keene; NH Community Loan Fund	—	750,000	750,000		Shaheen	S
Department of Energy	Energy Projects	Solar Energy Demonstration Project for Public Libraries ; South Hero Library Foundation	—	57,000	57,000		Sanders	S
Department of Energy	Energy Projects	Solar Energy Sustainability Project; Shelter Partnership	—	1,500,000	1,500,000	Roybal-Allard		H
Department of Energy	Energy Projects	Solar Panel Installation at Department of Public Works Canopy; Township of Piscataway	—	250,000	250,000		Booker, Menendez	S
Department of Energy	Energy Projects	Solar Panel Installation at Goucher College; Goucher College	—	750,000	750,000		Cardin, Van Hollen	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: Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	Solar Panel Installations on Town Facilities; Town of Morrisville, NC	—	250,000	250,000	Ross		H
Department of Energy	Energy Projects	Solar Panels at Childcare Center; Children's Community Development Center, Inc.	—	165,000	165,000		Blumenthal, Murphy	S
Department of Energy	Energy Projects	Solar Workforce Training Lab; IM-PACT Community Action	—	650,000	650,000	Beatty		H
Department of Energy	Energy Projects	South Coast Air Quality Management District: Zero Emission Fuel Cell Locomotive; South Coast Air Quality Management District	—	500,000	500,000		Feinstein, Padilla	S
Department of Energy	Energy Projects	Southeast Texas Data Analytics and Cybersecurity for Energy Supply Chain Resilience Project; Lamar University	—	2,000,000	2,000,000	Weber (TX)		H
Department of Energy	Energy Projects	St. Louis Park Electrify Community Cohort Grant Program; City of St. Louis Park	—	1,000,000	1,000,000		Klobuchar, Smith	S
Department of Energy	Energy Projects	Stamford LED Streetlighting Project; City of Stamford	—	2,000,000	2,000,000		Blumenthal, Murphy	S

Department of Energy	Energy Projects	Sustainability Education Center for Education and Workforce Development; City of Anaheim, CA	—	3,000,000	3,000,000	Correa		H
Department of Energy	Energy Projects	Testbed for Clean Energy and Grid Modernization; New Mexico State University	—	1,600,000	1,600,000		Heinrich, Luján	S
Department of Energy	Energy Projects	Tompkins County EV ARC; Tompkins County	—	128,000	128,000		Gillibrand, Schumer	S
Department of Energy	Energy Projects	Town Hall—Energy Efficiency Upgrades ; Town of Lincoln	—	125,000	125,000		Whitehouse	S
Department of Energy	Energy Projects	Town of DeWitt Hydrogen Fueling Station; Town of DeWitt	—	280,000	280,000		Schumer	S
Department of Energy	Energy Projects	Town of Hamden Administrative Building Energy Efficiency Improvements; Town of Hamden, CT	—	600,000	600,000	DeLauro	Blumenthal, Murphy	H/S
Department of Energy	Energy Projects	Town of Wardensville Photovoltaic Solar Field; Town of Wardensville	—	375,000	375,000		Capito, Manchin	S
Department of Energy	Energy Projects	Transit Station Solar Energy and EV Charging Demonstration Project; SouthWest Transit	—	1,854,150	1,854,150	Phillips	Klobuchar, Smith	H
Department of Energy	Energy Projects	UCLA SeaChange: Carbon Sequestration Pilot; University of California Los Angeles	—	1,600,000	1,600,000	Lieu		H
Department of Energy	Energy Projects	Unalaska Aging Infrastructure Replacement ; City of Unalaska	—	2,500,000	2,500,000		Murkowski	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; Recipient	Budget Request	Additional Amount	Total Amount Provided	Requestor(s)		Origination
						House	Senate	
Department of Energy	Energy Projects	University of Akron Research Foundation Managed Sustainable Electric Powered System for Summit County Multi-Unit Affordable Sustainable Housing; University of Akron Research Foundation	—	1,125,000	1,125,000		Brown	S
Department of Energy	Energy Projects	University of Nevada, Reno—Lithium Characterization Analysis; University of Nevada, Reno	—	1,600,000	1,600,000		Cortez Masto, Rosen	S
Department of Energy	Energy Projects	University of Tulsa CO2 Transportation and Storage ; University of Tulsa	—	1,250,000	1,250,000		Inhofe	S
Department of Energy	Energy Projects	University of Tulsa Produced Water Treatment using Compact Separator System; University of Tulsa	—	1,500,000	1,500,000		Inhofe	S
Department of Energy	Energy Projects	University of Tulsa Utilization of Existing Pipelines in Hydrogen Transport ; University of Tulsa	—	1,250,000	1,250,000		Inhofe	S
Department of Energy	Energy Projects	Water Facilities Hydroelectric and Solar Project; City of Tampa, FL	—	2,000,000	2,000,000	Castor (FL)		H

Department of Energy	Energy Projects	West Virginia Regional Technology Energy Efficiency and Decarbonization Project; West Virginia Regional Technology Park Corporation	—	328,000	328,000		Capito, Manchin	S
Department of Energy	Energy Projects	Willowbrook Wildlife Center Efficiency Improvements; Forest Preserve District of DuPage County, IL	—	2,000,000	2,000,000	Casten		H
Department of Energy	Energy Projects	Wilmington Electric Vehicle Direct Current Fast Charging Stations with Renewable Energy; City of Wilmington, IL	—	750,000	750,000	Kinzinger		H
Department of Energy	Energy Projects	YMCA of Greater Nashua Solar Panel Installation; YMCA of Greater Nashua	—	459,000	459,000		Shaheen	S
Department of Energy	Energy Projects	YWCA Kauai solar-plus-storage resilience project; YWCA Kauai	—	110,000	110,000		Schatz	S

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ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE I - DEPARTMENT OF DEFENSE - CIVIL					
DEPARTMENT OF THE ARMY					
Corps of Engineers - Civil					
Investigations.....	143,000	105,910	172,500	+29,500	+66,590
Construction.....	2,492,800	1,221,288	1,808,800	-684,000	+587,512
CR Funding (PL 117-180) (Sec. 219) (emergency)....	---	---	20,000	+20,000	+20,000
Mississippi River and Tributaries.....	370,000	225,000	370,000	---	+145,000
Operation and Maintenance.....	4,570,000	2,599,047	5,078,500	+508,500	+2,479,453
Regulatory Program.....	212,000	210,000	218,000	+6,000	+8,000
Formerly Utilized Sites Remedial Action Program (FUSRAP).....	300,000	250,000	400,000	+100,000	+150,000
Flood Control and Coastal Emergencies.....	35,000	35,000	35,000	---	---
Expenses.....	208,000	200,000	215,000	+7,000	+15,000
Office of Assistant Secretary of the Army (Civil Works).....	5,000	5,000	5,000	---	---
Water Infrastructure Finance and Innovation Program Account.....	7,200	10,000	7,200	---	-2,800
Harbor Maintenance Trust Fund.....	---	1,726,000	---	---	-1,726,000
Inland Waterways Trust Fund.....	---	13,755	---	---	-13,755
	=====	=====	=====	=====	=====
Total, title I, Department of Defense - Civil...	8,343,000	6,601,000	8,330,000	-13,000	+1,729,000
	=====	=====	=====	=====	=====
Appropriations.....	(8,343,000)	(6,601,000)	(8,310,000)	(-33,000)	(+1,709,000)
Emergency appropriations.....	---	---	(20,000)	(+20,000)	(+20,000)

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

TITLE II - DEPARTMENT OF THE INTERIOR					
Central Utah Project					
Central Utah Project Completion Account.....	23,000	20,000	23,000	---	+3,000
Bureau of Reclamation					
Water and Related Resources.....	1,747,101	1,270,376	1,787,151	+40,050	+516,775
Central Valley Project Restoration Fund.....	56,499	45,770	45,770	-10,729	---
California Bay-Delta Restoration.....	33,000	33,000	33,000	---	---
Policy and Administration.....	64,400	65,079	65,079	+679	---
Total, Bureau of Reclamation.....	1,901,000	1,414,225	1,931,000	+30,000	+516,775
	=====	=====	=====	=====	=====
Total, title II, Department of the Interior.....	1,924,000	1,434,225	1,954,000	+30,000	+519,775
	=====	=====	=====	=====	=====

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE III - DEPARTMENT OF ENERGY					
Energy Programs					
Energy Efficiency and Renewable Energy.....	3,200,000	4,018,885	3,460,000	+260,000	-558,885
State and Community Energy Programs.....	---	726,897	---	---	-726,897
Manufacturing and Energy Supply Chains.....	---	27,424	---	---	-27,424
Federal Energy Management Program.....	---	169,661	---	---	-169,661
Cybersecurity, Energy Security, and Emergency Response	185,804	202,143	200,000	+14,196	-2,143
Electricity.....	277,000	297,386	350,000	+73,000	+52,614
Grid Deployment.....	---	90,221	---	---	-90,221
Acquiring and Condemning Property.....	---	150,000	---	---	-150,000
Subtotal.....	---	240,221	---	---	-240,221
Nuclear Energy.....	1,505,000	1,518,460	1,323,000	-182,000	-195,460
Defense function.....	149,800	156,600	150,000	+200	-6,600
Subtotal.....	1,654,800	1,675,060	1,473,000	-181,800	-202,060
Fossil Energy and Carbon Management.....	825,000	893,160	890,000	+65,000	-3,160
Energy Projects.....	---	---	221,969	+221,969	+221,969
Naval Petroleum and Oil Shale Reserves.....	13,650	13,004	13,004	-646	---
Strategic Petroleum Reserve.....	219,000	214,175	207,175	-11,825	-7,000
Sale of gas reserves.....	---	---	---	---	---
Subtotal.....	219,000	214,175	207,175	-11,825	-7,000

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
SPR Petroleum Account.....	7,350	8,000	100	-7,250	-7,900
SPR Petroleum Account Rescission.....	---	---	-2,052,000	-2,052,000	-2,052,000
SPR Petroleum Account (Subtotal).....	7,350	8,000	-2,051,900	-2,059,250	-2,059,900
Northeast Home Heating Oil Reserve.....	6,500	7,000	7,000	+500	---
Energy Information Administration.....	129,087	144,480	135,000	+5,913	-9,480
Non-defense Environmental Cleanup.....	333,863	323,249	358,583	+24,720	+35,334
Uranium Enrichment Decontamination and Decommissioning Fund.....	860,000	822,421	879,052	+19,052	+56,631
Science.....	7,475,000	7,799,211	8,100,000	+625,000	+300,789
Nuclear Waste Disposal.....	27,500	10,205	10,205	-17,295	---
Technology Transitions.....	19,470	21,558	22,098	+2,628	+540
Clean Energy Demonstrations.....	20,000	214,052	89,000	+69,000	-125,052
Defense Production Act Domestic Clean Energy Accelerator.....	---	---	---	---	---
Advanced Research Projects Agency-Energy.....	450,000	700,150	470,000	+20,000	-230,150
Title 17 Innovative Technology Loan Guarantee Program:					
Guaranteed loan subsidy.....	---	150,000	---	---	-150,000
New Loan Authority.....	---	25,000	150,000	+150,000	+125,000
Guaranteed Loan Subsidy (rescission).....	---	---	-150,000	-150,000	-150,000
Administrative costs.....	32,000	66,206	66,206	+34,206	---
Offsetting collections.....	-3,000	-35,000	-35,000	-32,000	---
Subtotal.....	29,000	206,206	31,206	+2,206	-175,000

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Advanced Technology Vehicles Manufacturing Loan Program.....	5,000	9,800	9,800	+4,800	---
Tribal Energy Loan Guarantee Program:					
Guaranteed loan subsidy.....	---	---	2,000	+2,000	+2,000
Administrative costs.....	2,000	1,860	2,000	---	+140
Subtotal.....	2,000	1,860	4,000	+2,000	+2,140
Indian Energy Policy and Programs.....	58,000	150,039	75,000	+17,000	-75,039
Departmental Administration.....	340,578	497,781	383,578	+43,000	-114,203
Miscellaneous revenues.....	-100,578	-100,578	-100,578	---	---
Net appropriation.....	240,000	397,203	283,000	+43,000	-114,203
Office of the Inspector General.....	78,000	106,808	86,000	+8,000	-20,808
Total, Energy programs.....	16,116,024	19,400,258	15,323,192	-792,832	-4,077,066
Atomic Energy Defense Activities					
National Nuclear Security Administration					
Weapons Activities.....	15,920,000	16,486,298	17,116,119	+1,196,119	+629,821
Defense Nuclear Nonproliferation.....	2,354,000	2,346,257	2,490,000	+136,000	+143,743
Naval Reactors.....	1,918,000	2,081,445	2,081,445	+163,445	---
Federal Salaries and Expenses.....	464,000	496,400	475,000	+11,000	-21,400
Total, National Nuclear Security Administration.....	20,656,000	21,410,400	22,162,564	+1,506,564	+752,164

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Environmental and Other Defense Activities					
Defense Environmental Cleanup.....	6,710,000	7,105,863	7,025,000	+315,000	-80,863
Defense UED&D.....	573,333	---	586,035	+12,702	+586,035
Other Defense Activities.....	985,000	978,351	1,035,000	+50,000	+56,649
	-----	-----	-----	-----	-----
Total, Environmental and Other Defense Activities..	8,268,333	8,084,214	8,646,035	+377,702	+561,821
	-----	-----	-----	-----	-----
Total, Atomic Energy Defense Activities.....	28,924,333	29,494,614	30,808,599	+1,884,266	+1,313,985
Power Marketing Administrations					
Operation and maintenance, Southeastern Power					
Administration.....	7,184	8,173	8,173	+989	---
Offsetting collections.....	-7,184	-8,173	-8,173	-989	---
	-----	-----	-----	-----	-----
Subtotal.....	---	---	---	---	---
Operation and maintenance, Southwestern Power					
Administration.....	48,324	53,488	53,488	+5,164	---
Offsetting collections.....	-37,924	-42,880	-42,880	-4,956	---
	-----	-----	-----	-----	-----
Subtotal.....	10,400	10,608	10,608	+208	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Construction Rehabilitation, Operation and Maintenance, Western Area Power Administration.....	285,237	299,573	299,573	+14,336	---
Offsetting collections.....	-194,465	-200,841	-200,841	-6,376	---
Subtotal.....	90,772	98,732	98,732	+7,960	---
Falcon and Amistad Operating and Maintenance Fund.....	5,808	6,330	6,330	+522	---
Offsetting collections.....	-5,580	-6,102	-6,102	-522	---
Subtotal.....	228	228	228	---	---
Total, Power Marketing Administrations.....	101,400	109,568	109,568	+8,168	---
Federal Energy Regulatory Commission					
Salaries and expenses.....	466,426	508,400	508,400	+41,974	---
Revenues applied.....	-466,426	-508,400	-508,400	-41,974	---
Subtotal.....	---	---	---	---	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

General Provisions - Department of Energy					
Colorado River Basin Fund (sec.305(b)).....	2,000	---	2,000	---	+2,000
Defense Nuclear Nonproliferation Construction Project					
99-D-143 Rescission.....	-282,133	---	---	+282,133	---
Naval Reactors Rescission.....	-6,000	---	---	+6,000	---
Guaranteed Loan Subsidy Rescission (sec. 309).....	---	---	---	---	---
New Loan Authority (sec. 309).....	---	---	---	---	---

Total, General Provisions.....	-286,133	---	2,000	+288,133	+2,000
=====					
Total, title III, Department of Energy.....	44,855,624	49,004,440	46,243,359	+1,387,735	-2,761,081
Appropriations.....	(45,143,757)	(49,004,440)	(48,445,359)	(+3,301,602)	(-559,081)
Rescissions.....	(-288,133)	---	(-2,202,000)	(-1,913,867)	(-2,202,000)
=====					

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE IV - INDEPENDENT AGENCIES					
Appalachian Regional Commission.....	195,000	235,000	200,000	+5,000	-35,000
Defense Nuclear Facilities Safety Board.....	36,000	41,401	41,401	+5,401	---
Delta Regional Authority.....	30,100	30,100	30,100	---	---
Denali Commission.....	15,100	15,100	17,000	+1,900	+1,900
Northern Border Regional Commission.....	35,000	36,000	40,000	+5,000	+4,000
Southeast Crescent Regional Commission.....	5,000	7,000	20,000	+15,000	+13,000
Southwest Border Regional Commission.....	2,500	2,500	5,000	+2,500	+2,500
Nuclear Regulatory Commission:					
Salaries and expenses.....	873,901	911,384	911,384	+37,483	---
Revenues.....	-745,258	-777,498	-777,498	-32,240	---
Subtotal.....	128,643	133,886	133,886	+5,243	---
Office of Inspector General.....	13,799	17,769	15,769	+1,970	-2,000
Revenues.....	-11,442	-14,655	-12,655	-1,213	+2,000
Subtotal.....	2,357	3,114	3,114	+757	---
Total, Nuclear Regulatory Commission.....	131,000	137,000	137,000	+6,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Nuclear Waste Technical Review Board.....	3,800	3,945	3,945	+145	---
	=====	=====	=====	=====	=====
Total, title IV, Independent agencies.....	453,500	508,046	494,446	+40,946	-13,600
	=====	=====	=====	=====	=====

OTHER APPROPRIATIONS

EXTENDING GOVERNMENT FUNDING AND DELIVERING EMERGENCY
ASSISTANCE ACT, 2021 (PL 117-43)

DIVISION B - DISASTER RELIEF SUPPLEMENTAL
APPROPRIATIONS ACT, 2022

CORPS OF ENGINEERS - CIVIL

DEPARTMENT OF THE ARMY

Corps of Engineers - Civil

Investigations (emergency).....	100,000	---	---	-100,000	---
Construction (emergency).....	3,000,000	---	---	-3,000,000	---
Mississippi Rivers and Tributaries (emergency).....	868,000	---	---	-868,000	---
Operation and Maintenance (emergency).....	887,000	---	---	-887,000	---
Flood Control and Coastal Emergencies (emergency).....	826,000	---	---	-826,000	---
Expenses (emergency).....	30,000	---	---	-30,000	---
	-----	-----	-----	-----	-----
Total, Corps of Engineers - Civil.....	5,711,000	---	---	-5,711,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

DEPARTMENT OF THE INTERIOR					
Central Utah Project					
Central Utah Project Completion Account (emergency)...	10,000	---	---	-10,000	---
Bureau of Reclamation					
Water and Related Resources (emergency).....	210,000	---	---	-210,000	---
Total, Department of the Interior.....	220,000	---	---	-220,000	---
DEPARTMENT OF ENERGY					
Energy Programs					
Strategic Petroleum Reserve(emergency).....	43,300	---	---	-43,300	---
Total, Department of Energy.....	43,300	---	---	-43,300	---
	=====	=====	=====	=====	=====
Total, Extending Government Funding and Delivering Emergency Assistance Act, 2021.....	5,974,300	---	---	-5,974,300	---
	=====	=====	=====	=====	=====

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

THE INFRASTRUCTURE INVESTMENT AND JOBS ACT					
(P. L. 117-58)					
DIVISION J - APPROPRIATIONS					
DEPARTMENT OF THE ARMY					
Corps of Engineers - Civil					
Investigations (emergency).....	120,000	---	---	-120,000	---
Appropriations available from prior year advances					
(emergency).....	---	30,000	30,000	+30,000	---
Advance appropriations FY 2023 (emergency).....	30,000	---	---	-30,000	---
Total.....	150,000	30,000	30,000	-120,000	---
Construction (emergency).....	11,515,000	---	---	-11,515,000	---
Appropriations available from prior year advances					
(emergency).....	---	50,000	50,000	+50,000	---
Advance appropriations FY 2023 (emergency).....	50,000	---	---	-50,000	---
Advance appropriations FY 2024 (emergency).....	50,000	---	---	-50,000	---
Total.....	11,615,000	50,000	50,000	-11,565,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Mississippi River and Tributaries (emergency).....	808,000	---	---	-808,000	---
Operations and maintenance (emergency).....	2,000,000	---	---	-2,000,000	---
Appropriations available from prior year advances (emergency).....	---	1,000,000	1,000,000	+1,000,000	---
Advance appropriations FY 2023 (emergency).....	1,000,000	---	---	-1,000,000	---
Advance appropriations FY 2024 (emergency).....	1,000,000	---	---	-1,000,000	---
Total.....	4,000,000	1,000,000	1,000,000	-3,000,000	---
Regulatory Program (emergency).....	160,000	---	---	-160,000	---
Flood control and coastal emergencies (emergency).....	251,000	---	---	-251,000	---
Expenses (emergency).....	40,000	---	---	-40,000	---
Water Infrastructure Finance and Innovation Program Account (emergency).....	75,000	---	---	-75,000	---
Total, Corps of Engineers - Civil.....	17,099,000	1,080,000	1,080,000	-16,019,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

DEPARTMENT OF THE INTERIOR					
Central Utah Project					
Central Utah Project Completion Account (emergency)...	50,000	---	---	-50,000	---
Water and Related Resources (emergency).....	1,660,000	---	---	-1,660,000	---
Appropriations available from prior year advances (emergency).....	---	1,660,000	1,660,000	+1,660,000	---
Advance appropriations FY 2023 (emergency).....	1,660,000	---	---	-1,660,000	---
Advance appropriations FY24-26 (emergency).....	4,980,000	---	---	-4,980,000	---
Total.....	8,300,000	1,660,000	1,660,000	-6,640,000	---

Total, Department of the Interior.....	8,350,000	1,660,000	1,660,000	-6,690,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
DEPARTMENT OF ENERGY					
Energy Programs					
Energy Efficiency and Renewable Energy (emergency)....	8,207,200	---	---	-8,207,200	---
Appropriations available from prior year advances (emergency).....	---	2,221,800	2,221,800	+2,221,800	---
Advance appropriations FY 2023 (emergency).....	2,221,800	---	---	-2,221,800	---
Advance appropriations FY24-26 (emergency).....	5,835,000	---	---	-5,835,000	---
Total.....	16,264,000	2,221,800	2,221,800	-14,042,200	---
Cybersecurity, Energy Security, and Emergency Response (emergency).....	150,000	---	---	-150,000	---
Appropriations available from prior year advances (emergency).....	---	100,000	100,000	+100,000	---
Advance appropriations FY 2023 (emergency).....	100,000	---	---	-100,000	---
Advance appropriations FY24-26 (emergency).....	300,000	---	---	-300,000	---
Total.....	550,000	100,000	100,000	-450,000	---
Electricity (emergency).....	1,660,000	---	---	-1,660,000	---
Appropriations available from prior year advances (emergency).....	---	1,610,000	1,610,000	+1,610,000	---
Advance appropriations FY 2023 (emergency).....	1,610,000	---	---	-1,610,000	---
Advance appropriations FY24-26 (emergency).....	4,830,000	---	---	-4,830,000	---
Total.....	8,100,000	1,610,000	1,610,000	-6,490,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Nuclear Energy (emergency).....	1,200,000	---	---	-1,200,000	---
Appropriations available from prior year advances (emergency).....	---	1,200,000	1,200,000	+1,200,000	---
Advance appropriations FY 2023 (emergency).....	1,200,000	---	---	-1,200,000	---
Advance appropriations FY24-26 (emergency).....	3,600,000	---	---	-3,600,000	---
Total.....	6,000,000	1,200,000	1,200,000	-4,800,000	---
Fossil Energy and Carbon Management (emergency).....	1,839,000	---	---	-1,839,000	---
Appropriations available from prior year advances (emergency).....	---	1,444,450	1,444,450	+1,444,450	---
Advance appropriations FY 2023 (emergency).....	1,444,450	---	---	-1,444,450	---
Advance appropriations FY24-26 (emergency).....	4,213,691	---	---	-4,213,691	---
Total.....	7,497,141	1,444,450	1,444,450	-6,052,691	---
Carbon Dioxide Transportation Infrastructure Finance and Innovation Program Account (emergency).....	3,000	---	---	-3,000	---
Appropriations available from prior year advances (emergency).....	---	2,097,000	2,097,000	+2,097,000	---
Advance appropriations FY 2023 (emergency).....	2,097,000	---	---	-2,097,000	---
Additional costs, FY 2023 (Sec. 40304) (emergency)	500,000	---	---	-500,000	---
Total.....	2,600,000	2,097,000	2,097,000	-503,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Office of Clean Energy Demonstrations (emergency).....	5,127,250	---	---	-5,127,250	---
Appropriations available from prior year advances (emergency).....	---	4,426,250	4,426,250	+4,426,250	---
Advance appropriations FY 2023 (emergency).....	4,426,250	---	---	-4,426,250	---
Advance appropriations FY24-26 (emergency).....	11,902,500	---	---	-11,902,500	---
Total.....	21,456,000	4,426,250	4,426,250	-17,029,750	---
Total, Energy Programs.....	62,467,141	13,099,500	13,099,500	-49,367,641	---
Power Marketing Administration					
Construction, Rehabilitation, Operation and Maintenance, Western Area Power Administration (emergency).....	500,000	---	---	-500,000	---
Offsetting collections (FY 2025-2026) (emergency).	-60,000	---	---	+60,000	---
General Provisions					
DOE IG (Sec. 303) (by transfer) (emergency).....	(18,000)	(12,000)	(12,000)	(-6,000)	---
Total, Department of Energy.....	62,907,141	13,099,500	13,099,500	-49,807,641	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

INDEPENDENT AGENCIES					
Appalachian Regional Commission (emergency).....	200,000	---	---	-200,000	---
Appropriations available from prior year advances (emergency).....	---	200,000	200,000	+200,000	---
Advance appropriations FY 2023 (emergency).....	200,000	---	---	-200,000	---
Advance appropriations FY24-26 (emergency).....	600,000	---	---	-600,000	---

Total, Appalachian Regional Commission.....	1,000,000	200,000	200,000	-800,000	---
Delta Regional Authority (emergency).....	150,000	---	---	-150,000	---
Denali Commission (emergency).....	75,000	---	---	-75,000	---
Northern Border Regional Commission (emergency).....	150,000	---	---	-150,000	---
Southeast Crescent Regional Commission (emergency)....	5,000	---	---	-5,000	---
Southwest Border Regional Commission (emergency).....	1,250	---	---	-1,250	---

Total, Independent Agencies.....	1,381,250	200,000	200,000	-1,181,250	---

Total, Infrastructure Investment and Jobs Act...	89,737,391	16,039,500	16,039,500	-73,697,891	---
less prior year appropriations (emergency).....	---	-16,039,500	-16,039,500	-16,039,500	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

DIVISION N - UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022 (PL 117-103)					
DEPARTMENT OF ENERGY					
Energy Programs					
Departmental Administration (emergency).....	30,000	---	---	-30,000	---

Total, DIVISION N - UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022 (PL 117-103).....	30,000	---	---	-30,000	---

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

ADDITIONAL UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022 (PL 117-128)					
INDEPENDENT AGENCIES					
Nuclear Regulatory Commission					
Salaries and expenses (emergency).....	2,000	---	---	-2,000	---

Total, ADDITIONAL UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2022.....	2,000	---	---	-2,000	---
DIVISION B - UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2023					
DEPARTMENT OF ENERGY					
Atomic Energy Defense Activities					
National Nuclear Security Administration					
Total, DIVISION B - UKRAINE SUPPLEMENTAL APPROPRIATIONS ACT, 2023.....	---	---	35,000	+35,000	+35,000
=====					
Total, Other Appropriations.....	95,743,691	---	35,000	-95,708,691	+35,000
(FY 2022).....	41,953,000	---	35,000	-41,918,000	+35,000
(FY 2023).....	16,539,500	---	---	-16,539,500	---
(FY 2024 - FY 2026).....	37,251,191	---	---	-37,251,191	---
=====					
Grand total.....	151,319,815	57,547,711	57,056,805	-94,263,010	-490,906
Appropriations.....	(55,864,257)	(57,547,711)	(59,203,805)	(+3,339,548)	(+1,656,094)

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Emergency appropriations.....	(41,953,000)	---	(55,000)	(-41,898,000)	(+55,000)
Emergency advance appropriations.....	(53,790,691)	---	---	(-53,790,691)	---
Rescissions.....	(-288,133)	---	(-2,202,000)	(-1,913,867)	(-2,202,000)
Grand total less emergencies.....	55,576,124	57,547,711	57,001,805	+1,425,681	-545,906

1/ Totals adjusted to net out alternative financing costs, reimbursable agreement funding, and power purchase and wheeling expenditures. Offsetting collection totals only reflect funds collected for annual expenses, excluding power purchase wheeling

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2023

(Amounts in thousands)

	FY 2022 Enacted	FY 2023 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
DISCRETIONARY RECAP BY TITLE					
Title I, Department of Defense - Civil.....	8,343,000	6,601,000	8,330,000	-13,000	+1,729,000
Title II, Department of the Interior.....	1,924,000	1,434,225	1,954,000	+30,000	+519,775
Title III, Department of Energy.....	44,855,624	49,004,440	46,243,359	+1,387,735	-2,761,081
Title IV, Independent Agencies.....	453,500	508,046	494,446	+40,946	-13,600
Subtotal.....	55,576,124	57,547,711	57,021,805	+1,445,681	-525,906
Other Appropriations.....	95,743,691	---	35,000	-95,708,691	+35,000
Scorekeeping adjustments.....	-2,704,124	-2,017,770	-3,001,805	-297,681	-984,035
Adjustments for advance emergencies.....	(-53,790,691)	(16,039,500)	(16,039,500)	(+69,830,191)	---
Total.....	94,825,000	71,569,441	70,094,500	-24,730,500	-1,474,941