

Mini Omnibus Division C- 12/17/2019
Fusion Text is on page 80-82 digital file,
Funding Table is on pages 97-98 digital file

Xerox

DIVISION —ENERGY AND WATER DEVELOPMENT AND RELATED AGENCIES
APPROPRIATIONS ACT, 2020

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, 2020, and for other purposes.

This explanatory statement, while repeating some report language for emphasis, does not intend to negate the language and allocations set forth in House Report 116–83 (“House report”) and Senate Report 116–102 (“Senate report”) and that direction shall be complied with unless specifically addressed to the contrary in the accompanying bill or explanatory statement. Additionally, where this explanatory statement states that the “agreement only includes” or “the following is the only” direction, any direction included in the House or Senate report on that matter shall be considered as replaced with the direction provided within this explanatory statement. In cases where the House or the Senate has directed the submission of a report, such report is to be submitted to the Committees on Appropriations of both Houses of Congress. House or Senate reporting requirements with deadlines prior to or within 15 days of the 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 2020, 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 Appropriations Act. The term “program, project, or activity” shall include the most specific level of budget items identified in the Energy and Water Development Appropriations Act, 2020 and the explanatory statement accompanying this Act.

No specific funds for rejecting any application for a grant available under funds appropriated by this Act because of the use of the term “global warming” or the term “climate change” in the application are included for any agency funded in 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.

Asian Carp.—The agreement acknowledges that the Corps completed the Report of the Chief of Engineers for the Great Lakes—Mississippi River Interbasin Study—Brandon Road Recommended Plan in fiscal year 2019. As the Corps prioritizes projects, it shall consider critical projects to prevent the spread of invasive species. The Corps is reminded that this critical project is eligible to compete for additional funding within the Investigations account in order to initiate Planning, Engineering, and Design (PED). The Corps is directed to provide to the Committees on Appropriations of both Houses of Congress quarterly updates on the progress and status of efforts to prevent the further spread of Asian carp, including the Brandon Road Recommended Plan, the location and density of carp populations, the use of emergency procedures previously authorized by Congress, and the development, consideration, and implementation of new technological and structural countermeasures.

There is disappointment that the administration chose to cut Corps funding for the important inter-agency collaborative work to address Asian carp. 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 Asian 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 Asian 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 on Appropriations of both Houses of Congress. 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 potential solutions. The Corps shall brief the Committees on Appropriations of both Houses of Congress on such navigation protocols and potential solutions not later than 30 days after enactment of this Act.

Budget Structure Changes.—The agreement includes House and Senate language regarding budget structure changes.

Inland Waterways System.—The agreement includes House and Senate language.

Regional Dredge Demonstration Program.—To respond more effectively to critical national dredging requirements resulting from significant recurring storm events, in combination with routine annual dredging demands, the agreement directs the Corps to execute a multi-year dredging demonstration program within the Central Gulf Coast Region.

Key features of the program will explore innovative ways of executing dredging in a logical, sequenced manner, unconstrained by more traditional project-specific, account-specific, or single-year practices and seek efficiencies and cost savings by evaluating the region as a system to determine when combining work across multiple deep draft commercial navigation projects, across years, or across Construction and Operation and Maintenance accounts is appropriate. By including the Mississippi River Baton Rouge to the Gulf of Mexico (Southwest Pass) and other nearby Gulf Coast commercial navigation projects, the goals of the program are to include being more responsive to dredging demands within the region, while minimizing disruption to critical construction and maintenance dredging requirements enterprise-wide.

To demonstrate the described multi-year efficiencies, the agreement includes \$377,650,000 in a Regional Dredge Demonstration Program funding line item in the Construction account to be used for deep draft navigation projects in the Gulf of Mexico between Louisiana and Alabama within the Mississippi Valley Division and the South Atlantic Division Civil Works boundaries. The Corps shall select one deepening project in each eligible state for inclusion in the demonstration program. Projects that have previously received funding from the Construction account and require no new authorization shall be eligible for inclusion in the demonstration program. Consequently, such projects shall be considered ongoing and shall not require a new start designation. The agreement includes additional funding in the Operation and Maintenance account to support this demonstration program. Operation and Maintenance projects eligible for inclusion in the demonstration program may include Gulf of Mexico states between Florida and Texas, where appropriate. The agreement also includes Senate briefing and reporting requirements.

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 and Senate direction—under any heading—regarding additional funding, new starts, and the fiscal year 2020 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.

The Corps shall evaluate all studies and projects only within accounts and categories consistent with previous congressional funding. When allocating the additional funding provided in this Act, the Corps shall consider eligibility and implementation decisions under Public Law 115–123 and Public Law 116–20 so as to maximize the reduction of risk to public safety and infrastructure and the reduction of future damages from floods and storms nationwide.

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; (2) it was previously funded and could reach a significant milestone, complete a discrete element of work, or produce significant outputs in calendar year 2020; or (3) as appropriate, it is selected as one of the new starts allowed in accordance with this Act and the additional direction provided below. 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. Funds shall be allocated consistent with statutory cost share requirements.

Work Plan.—Not later than 60 days after enactment of this Act, the Corps shall provide to the Committees on Appropriations of both Houses of Congress 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 calendar year 2020 and the specific reasons each study or project was considered as being less competitive for an allocation of funds.

New Starts.—The agreement includes six new starts in the Investigations account and six new starts in the Construction account to be distributed across the authorized mission areas of the Corps.

Of the new starts in Investigations, one shall be for an environmental restoration study; one shall be for a multi-purpose watershed study to address coastal resiliency; one shall be for a flood and storm damage reduction study; one shall be for a flood and storm damage reduction study or environmental restoration study; and two shall be for navigation studies. Of the two navigation study starts, one may be for a Small, Remote or Subsistence Harbor navigation study. Of the new construction starts, two shall be for navigation projects; two shall be for environmental restoration projects, of which one shall be for the new project start requested by the administration pursuant to the Fiscal Year 2020 Budget amendments

transmitted to Congress on May 13, 2019; and two shall be for flood and storm damage reduction, environmental restoration, or multi-purpose projects. No funding shall be used to initiate new programs, projects, or activities in the Mississippi River and Tributaries or Operation and Maintenance accounts.

The Corps is directed to propose a single group of new starts as a part of the work plan. None of the funds may be used for any item for which the agreement has specifically denied funding. The Corps may not change or substitute the new starts selected once the work plan has been provided to the Committees on Appropriations of both Houses of Congress. Each new start shall be funded from the appropriate additional funding line item. Any project for which the new start requirements are not met by the end of calendar year 2020 shall be treated as if the project had not been selected as a new start; such a project shall be required to compete again for new start funding in future years. As all new starts are to be chosen by the Corps, all shall be considered of equal importance, and the expectation is that future budget submissions will include appropriate funding for all new starts selected.

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 on Appropriations of both Houses of Congress at least seven days prior to execution of an agreement for construction of any project except environmental infrastructure projects and projects under the Continuing Authorities Program. 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 the Water Resources Reform and Development Act (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. A new start designation shall be required to initiate construction of individually-authorized projects funded within programmatic line items. 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 resummptions are just that—resumption of previously-initiated studies or projects and, as such, do not require new start designations.

In addition to the priority factors used to allocate all additional funding provided in the Investigations account, the Corps should give careful consideration to the out-year budget impacts of the studies selected and to whether there appears to be an identifiable local sponsor that will be ready and able to provide, in a timely manner, the necessary cost share for the feasibility and PED phases. 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. Within the flood and storm damage reduction mission, the Corps is urged to strive for an appropriate balance between inland and coastal projects.

In addition to the priority factors used to allocate all additional funding provided in the Construction account, the Corps also shall consider the out-year budget impacts of the selected new starts, the cost sharing sponsor's ability and willingness to promptly provide the cash contribution, if any, as well as required lands, easements, rights-of-way, relocations, and disposal areas. When considering new construction starts, only those that can execute a project cost sharing agreement not later than December 31, 2020, shall be chosen.

To ensure that the new construction starts are affordable and will not unduly delay completion of any ongoing projects, the Secretary is required to submit to the Committees on Appropriations of both Houses of Congress a realistic out-year budget scenario prior to issuing a work allowance for a new start. It is understood that specific budget decisions are made on an annual basis and that this scenario is neither a request for nor a guarantee of future funding for any project. Nonetheless, this scenario shall include an estimate of annual funding for each new start utilizing a realistic funding scenario through completion of the project, as well as the specific impacts of that estimated funding on the ability of the Corps to make continued progress on each previously funded construction project, including impacts to the optimum timeline and funding requirements of the ongoing projects, and on the ability to consider initiating new projects in the future. The scenario shall assume a Construction account funding level at the average of the past three budget requests.

INVESTIGATIONS

The agreement includes \$151,000,000 for Investigations. The agreement includes legislative language regarding parameters for new study starts.

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

Insert 7a - 7c

1

~~[INSERT TABLE]~~



4905 can 10/0
D. No. 50

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
ALABAMA		
MOBILE HARBOR, AL	700	700
ALASKA		
APOON MOUTH OF YUKON, AK	46	--- ~
ELIM SUBSISTENCE HARBOR, AK	100	--- ~
ST. MICHAEL CANAL, AK	50	--- ~
ARIZONA		
BIRD SPRINGS WATERSHED ASSESSMENT, AZ	50	--- ~
ARKANSAS		
THREE RIVERS, AR	1,500	1,500
CALIFORNIA		
LOS ANGELES COUNTY DRAINAGE AREA (CHANNELS), CA	50	--- ~
SALINAS RESERVOIR (SANTA MARGARITA LAKE), CA	243	--- ~
SOUTH SAN FRANCISCO BAY SHORELINE, CA (Phase II)	600	600
SAN FRANCISCO WATERFRONT STORM DAMAGE REDUCTION, CA	800	800
WEST SACRAMENTO, CA	400	400
ILLINOIS		
INTERBASIN CONTROL OF GREAT LAKES-MISSISSIPPI RIVER AQUATIC NUISANCE SPECIES, IL, IN, OH & WI	50	50
INDIANA		
MISSISSINEWA LAKE, IN	1,000	--- ^
KANSAS		
SOLDIER CREEK WATERSHED, KS	100	--- ~
MAINE		
MEDUXNEKEAG WATERSHED ASSESSMENT MANAGEMENT PLAN, ME	40	--- ~
MINNESOTA		
PRAIRIE ISLAND STURGEON LAKE HABITAT RESTORATION, MN	112	--- ~
ST. ANTHONY FALLS, MISSISSIPPI RIVER, MN	218	--- ~

7a

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
NEW MEXICO		
PUEBLOS OF SAN FELIPE, NM, WATERSHED ASSESSMENT	48	--- ~
PUEBLOS OF ZIA WATERSHED ASSESSMENT, NM	50	--- ~
NEW YORK		
BUFFALO HARBOR, NY	250	--- ^
NORTH CAROLINA		
CAPE FEAR LOCKS AND DAMS 1-3, NC	393	--- ~
OHIO		
CLEVELAND HARBOR, OH	100	--- ^
OREGON		
COLUMBIA RIVER TREATY 2024 IMPLEMENTATION, OR & WA	9,458	--- ^
COUGAR LAKE, OR	1,250	--- ^
HILLS CREEK LAKE, OR	1,250	--- ^
LOOKOUT POINT LAKE, OR	1,250	--- ^
TEXAS		
CORPUS CHRISTI SHIP CHANNEL, TX	250	--- ^
GRAPEVINE LAKE, TX	1,000	--- ^
PROCTOR LAKE, TX	755	--- ^
VIRGINIA		
NORFOLK HARBOR AND CHANNELS DEEPENING, VA	2,500	2,500
WASHINGTON		
PUGET SOUND NEARSHORE MARINE HABITAT RESTORATION, DUCKBUSH RIVER ESTUARY, WA	1,467	1,467
SUBTOTAL, PROJECTS LISTED UNDER STATES	26,080	8,017
REMAINING ITEMS		
ADDITIONAL FUNDING		
FLOOD AND STORM DAMAGE REDUCTION	---	6,000
FLOOD CONTROL	---	4,000
SHORE PROTECTION	---	4,000
NAVIGATION	---	7,000
COASTAL AND DEEP-DRAFT	---	6,000

(7D)

CORPS OF ENGINEERS - INVESTIGATIONS
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
INLAND	---	9,750
OTHER AUTHORIZED PROJECT PURPOSES	---	6,000
ENVIRONMENTAL RESTORATION OR COMPLIANCE	---	17,600
ACCESS TO WATER DATA	360	360
AUTOMATED INFORMATION SYSTEMS SUPPORT TRI-CADD	250	250
COASTAL FIELD DATA COLLECTION	1,000	2,500
COMMITTEE ON MARINE TRANSPORTATION SYSTEMS	50	50
COORDINATION WITH OTHER WATER RESOURCE AGENCIES	350	1,000
DISPOSITION OF COMPLETED PROJECTS	---	2,000
ENVIRONMENTAL DATA STUDIES	80	80
FERC LICENSING	100	100
FLOOD DAMAGE DATA	230	230
FLOOD PLAIN MANAGEMENT SERVICES	15,000	15,000
HYDROLOGIC STUDIES	500	500
INTERNATIONAL WATER STUDIES	125	125
INTERNAGENCY AND INTERNATIONAL SUPPORT	---	400
INTERAGENCY WATER RESOURCE DEVELOPMENT	100	100
INVENTORY OF DAMS	400	400
NATIONAL FLOOD RISK MANAGEMENT PROGRAM	5,000	5,000
NATIONAL SHORELINE MANAGEMENT STUDY	---	5,000
PLANNING ASSISTANCE TO STATES	5,000	9,000
PLANNING SUPPORT PROGRAM	3,500	3,500
PRECIPITATION STUDIES	200	200
REMOTE SENSING/GEOGRAPHIC INFORMATION SYSTEM SUPPORT	75	575
RESEARCH AND DEVELOPMENT	13,000	27,115
SCIENTIFIC AND TECHNICAL INFORMATION CENTERS	50	50
SPECIAL INVESTIGATIONS	1,000	1,000
STREAM GAGING	3,550	4,550
TRANSPORTATION SYSTEMS	1,000	1,000
TRIBAL PARTNERSHIP PROGRAM	---	2,548
SUBTOTAL, REMAINING ITEMS	50,920	142,983
TOTAL, INVESTIGATIONS	77,000	151,000

^Funded in another account.

~Funded in remaining items.

7C

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 line items as has been the case in previous work plans.

Of the additional funding provided in this account for environmental restoration or compliance, the Corps shall allocate not less than \$9,782,000 for ecosystem restoration projects in the PED phase that have been funded within the last three years.

Of the additional funding provided in this account for environmental restoration or compliance and other authorized project purposes, the Corps shall allocate not less than \$2,000,000 for ecosystem restoration projects that are modifications to flood protection project authorizations to address degraded conditions due to prior flood protection work. Of the additional funding provided in this account for environmental restoration or compliance and other authorized project purposes, the Corps shall allocate not less than \$200,000 to PED activities for ecosystem restoration projects that also provide additional flood storage capacity by restoring the natural habitat.

Of the additional funding provided in this account for flood and storm damage reduction and flood control, the Corps shall allocate not less than \$1,500,000 for PED for projects that are located in economically-disadvantaged communities where per capita income is less than half of the state and national averages and that have previously experienced loss of life due to flooding.

Of the additional funding provided in this account for shore protection, the Corps shall allocate not less than \$905,000 for the PED phase of beach renourishment projects that have been authorized by Congress for construction.

Of the additional funding provided in this account, the Corps shall allocate not less than \$10,380,000 for multipurpose projects in the PED phase that have been funded within the last three years.

When allocating the additional funding provided in this account, the Corps shall consider giving priority to completing or accelerating ongoing studies or to initiating new studies that will enhance the nation's economic development, job growth, and international competitiveness; are for projects located in areas that have suffered recent natural disasters; are for projects that protect life and property; are for projects to restore floodplain and aquatic habitat through cost-effective and tested means; or are for projects to address legal requirements. The Corps shall use these funds for additional work in both the feasibility and PED phases. The agreement includes sufficient additional funding to undertake a significant amount of feasibility and PED work. The administration is reminded that a project study is not complete until the PED phase is complete. The Corps is reminded that the updating of economic analyses and economic impact studies are eligible to receive additional funding.

Principles, Requirements, and Guidelines.—Not later than 60 days after enactment of this Act, the Corps shall brief the Committees on Appropriations of both Houses of Congress on the efforts necessary to develop implementation rules and guidelines for the final Principles, Requirements, and Guidelines for Federal Investments in Water Resources released in March 2013 and the final Interagency Guidelines released in December 2014. The Corps shall include in this briefing a timeline for completion of the

implementation rules and guidelines, how the Corps' ongoing planning efforts would be impacted by implementation, impacts to funding prioritization, and any challenges associated with the development and implementation of such rules and guidelines. The Corps is urged to prioritize these efforts.

CONSTRUCTION

The agreement includes \$2,681,000,000 for Construction. The agreement includes legislative language regarding Chickamauga Lock, Tennessee River, Tennessee. The agreement includes legislative language regarding parameters for new construction starts.

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

Insert 10a - 10c

^

~~[INSERT TABLE]~~



GPO Scan Copy
Do Not Set

CORPS OF ENGINEERS - CONSTRUCTION
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
CALIFORNIA		
AMERICAN RIVER COMMON FEATURES, NATOMAS BASIN, CA	59,000	59,000
FLORIDA		
SOUTH FLORIDA ECOSYSTEM RESTORATION (EVERGLADES), FL	200,000	200,000
GEORGIA		
SAVANNAH HARBOR EXPANSION, GA	130,280	130,280
ILLINOIS		
MELVIN PRICE LOCK AND DAM IL & MO (DEFICIENCY CORRECTION)	24,087	11,876
UPPER MISSISSIPPI RIVER RESTORATION, IL, IA, MN, MO & WI	33,170	33,170
IOWA		
MISSOURI RIVER FISH AND WILDLIFE RECOVERY, IA, KS, MO, MT, NE, ND & SD	17,775	17,775
KENTUCKY		
ROUGH RIVER LAKE, KY MAJOR REHABILITATION	50,000	40,000
MARYLAND		
ASSATEAGUE ISLAND, MD	---	600 *
POPLAR ISLAND, MD	---	17,300 *
MASSACHUSETTS		
BOSTON HARBOR, MA	34,814	34,814
MICHIGAN		
SAULT STE MARIE NEW LOCK CONSTRUCTION, MI	75,333	75,333
NEW JERSEY		
CAPE MAY INLET TO LOWER TOWNSHIP, NJ	---	200 *
LOWER CAPE MAY MEADOWS, CAPE MAY POINT, NJ	---	7,400 *
RARITAN RIVER BASIN, GREEN BROOK SUB-BASIN, NJ	25,000	25,000
OREGON		
COLUMBIA RIVER AT THE MOUTH, OR & WA	36,000	36,000

10a

CORPS OF ENGINEERS - CONSTRUCTION
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST	FINAL BILL
PENNSYLVANIA		
LOCKS AND DAMS 2, 3 AND 4, MONONGAHELA RIVER, PA	55,500	111,000 *
SOUTH CAROLINA		
CHARLESTON HARBOR (DEEPENING AND WIDENING), SC	138,040	138,040
TEXAS		
CORPUS CHRISTI SHIP CHANNEL, TX	53,313	53,313
WASHINGTON		
COLUMBIA RIVER FISH MITIGATION, WA, OR & ID (CRFM)	21,602	21,602
MUD MOUNTAIN DAM, WA	15,694	15,694
SUBTOTAL, PROJECTS LISTED UNDER STATES	969,608	1,028,397
REMAINING ITEMS		
ADDITIONAL FUNDING		
FLOOD AND STORM DAMAGE REDUCTION	---	150,000
FLOOD CONTROL	---	170,000
SHORE PROTECTION	---	50,165
NAVIGATION	---	377,878
INLAND WATERWAYS TRUST FUND REVENUES	---	75,575
REGIONAL DREDGE DEMONSTRATION PROGRAM	---	377,650
OTHER AUTHORIZED PROJECT PURPOSES	---	85,000
ENVIRONMENTAL RESTORATION OR COMPLIANCE	---	100,000
ENVIRONMENTAL INFRASTRUCTURE	---	100,000
AQUATIC PLANT CONTROL PROGRAM	---	24,000
BENEFICIAL USE OF DREDGED MATERIAL PILOT PROGRAM	---	7,500
CONTINUING AUTHORITIES PROGRAM		
AQUATIC ECOSYSTEM RESTORATION (SECTION 206)	1,000	10,000
BENEFICIAL USES DREDGED MATERIAL (SECTION 204)	---	15,000 *
EMERGENCY STREAMBANK AND SHORELINE PROTECTION (SECTION 14)	---	8,000
FLOOD CONTROL PROJECTS (SECTION 205)	1,000	12,000
MITIGATION OF SHORE DAMAGES (SECTION 111)	---	5,000
NAVIGATION PROGRAM (SECTION 107)	---	8,000
PROJECT MODIFICATIONS FOR IMPROVEMENT OF THE ENVIRONMENT (SECTION 1135)	1,000	8,000
REMOVAL OF OBSTRUCTIONS (SECTION 208)	---	1,500
SHORE PROTECTION (SECTION 103)	---	4,000
DAM SAFETY AND SEEPAGE/STABILITY CORRECTION PROGRAM	17,002	38,000 *
EMPLOYEES' COMPENSATION	17,000	17,000
INLAND WATERWAYS USERS BOARD - BOARD EXPENSE	60	60
INLAND WATERWAYS USERS BOARD - CORPS EXPENSE	275	275
INNOVATIVE FUNDING PARTNERSHIPS	150,000	---
RESTORATION OF ABANDONED MINES	---	3,000
TRIBAL PARTNERSHIP PROGRAM	---	5,000

(10b)

Updated Capability.—The agreement adjusts some project-specific allocations downward from the budget request based on updated information regarding the amount of work that could be accomplished in fiscal year 2020.

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

Of the additional funding provided in this account for flood control, the Corps shall allocate not less than \$20,000,000 to undertake studies and recommendations for construction resulting from a Dam Safety Modification Report completed under section 1177 of the WIIN Act (Public Law 114–322), as amended. Of the additional funding provided in this account for flood and storm damage reduction and flood control, the Corps shall allocate not less than \$20,000,000 to additional nonstructural flood control projects. Of the additional funding provided in this account for flood and storm damage reduction and flood control, the Corps shall allocate not less than \$25,000,000 to continue construction of projects that principally address drainage in urban areas.

Of the additional funding provided in this account for navigation and other authorized project purposes, the Corps shall allocate not less than \$50,000,000 to continue activities to construct new navigation infrastructure for locks and Corps-owned bridges not on the inland waterways system.

Of the additional funding provided in this account for environmental restoration or compliance and other authorized project purposes, the Corps shall allocate not less than \$25,000,000 for multistate ecosystem restoration programs for which a comprehensive restoration plan is in development or has been completed, of which not less than \$5,000,000 shall be for projects or programs that restore and rehabilitate native oyster reefs.

Of the additional funding provided in this account for environmental restoration or compliance and other authorized project purposes, the Corps shall allocate not less than \$28,000,000 for ecosystem restoration projects that have incidental flood risk management benefits.

Of the additional funds provided in this account for flood and storm damage reduction, navigation, and other authorized project purposes, the Corps shall allocate not less than \$35,000,000 to authorized reimbursements for projects with executed project cooperation agreements and that have completed construction or where non-federal sponsors intend to use the funds for additional water resources development activities.

Of the additional funds provided in this account, the Corps shall allocate not less than \$40,588,000 to projects with riverfront development components.

Public Law 115–123 and Public Law 116–20 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 most of the current year capability. Therefore, to ensure funding is not directed to where it cannot be used, the agreement includes \$50,165,000 for construction of shore protection projects. 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.

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 their 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:

1. benefits of the funded work to the national economy;
2. extent to which the work will enhance national, regional, or local economic development;
3. number of jobs created directly and supported in the supply chain by the funded activity;
4. significance to national security, including the strategic significance of commodities;
5. 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;
6. ability to complete the project, separable element, or project phase with the funds allocated;
7. legal requirements, including responsibilities to Tribes;
8. for flood and storm damage reduction projects (including authorized nonstructural measures and periodic beach renourishments),
 - a. population, economic activity, or public infrastructure at risk, as appropriate;
 - b. the severity of risk of flooding or the frequency with which an area has experienced flooding; and
 - c. preservation of historically significant communities, culture, and heritage;
9. 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 of environmental contamination;
10. 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;
11. for projects cost shared with the Inland Waterways Trust Fund (IWTF), the economic impact on the local, regional, and national economy if the project is not funded, as well as discrete elements of work that can be completed within the funding provided in this line item;
12. for other authorized project purposes and environmental restoration or compliance projects, to include the beneficial use of dredged material; and
13. 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 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.

The following is the only direction with regard to the availability of additional funds for IWTF cost-shared projects. The agreement provides funds making use of all estimated annual revenues and some additional prior year revenues in the IWTF for ongoing projects. The agreement includes a total appropriation of \$131,075,000 from the IWTF. The Corps shall continue to use, as appropriate, the Inland and Intracoastal Waterways Twenty-Year Capital Investment Strategy dated March 2016, as the applicable 20-year plan. The agreement considers the 20-year Capital Investment Strategy a planning document and therefore not subject to administration budget metrics. The Corps shall allocate all funds provided in the IWTF Revenues line item along with the statutory cost share from funds provided in the Navigation line item prior to allocating the remainder of funds in the Navigation line item.

It is understood that the Corps is developing metrics for prioritization of environmental infrastructure projects. The Corps is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 120 days after enactment of this Act a briefing on these metrics. Notwithstanding the direction on new starts in the front matter of Title I, the Corps may allocate funds to at least one, but not more than two environmental infrastructure authorities not previously funded, which may include regional environmental infrastructure authorities. The Corps shall consider the impacts of future funding when selecting these projects.

Alternative Delivery.—The Corps is reminded that Public-Private Partnerships and projects that utilize a split-delivery approach are eligible for additional funding in this account.

Aquatic Plant Control Program.—Of the funding provided for the Aquatic Plant Control Program, \$1,000,000 shall be for activities for monitoring, surveys, and control of the flowering rush. Of the funding provided for the Aquatic Plant Control Program, \$5,000,000 shall be for nationwide research and development to address invasive aquatic plants; within this funding, the Corps is encouraged to support cost shared aquatic plant management programs. Of the funding provided for the Aquatic Plant Control Program, \$15,000,000 shall be for watercraft inspection stations, as authorized by section 1039 of WRRDA, and \$3,000,000 shall be for related monitoring.

Beneficial Use of Dredged Material Pilot Program.—The agreement supports the pilot program authorized in section 1122 of the WIIN Act (Public Law 114–322), but concerns remain about implementation of the program. The agreement provides \$7,500,000 for the 10 pilot projects selected to date within “Beneficial Use of Dredged Material Pilot Program.” The Corps shall not use Operation and Maintenance funds provided or allocated to the projects from which the dredged material is generated for costs beyond the costs of the Federal Standard. The Corps shall brief the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act on the planned activities, costs estimates, and potential timelines for each of the 10 selected pilot projects. The Corps is further directed to brief the Committees on Appropriations of both Houses of Congress prior to any effort to solicit or select any additional pilot projects as authorized by the America’s Water Infrastructure Act of 2018.

Continuing Authorities Program.—The agreement supports all sections of the Continuing Authorities Program (CAP). Funding is provided for nine CAP sections at a total of \$71,500,000, an

increase of \$68,500,000 above the budget request, which proposed funding for only three sections. This program provides a useful tool for the Corps to undertake small, localized projects without the lengthy study and authorization process typical of larger Corps projects. Within CAP and to the extent already authorized by law, the Corps is encouraged to consider projects that enhance coastal and ocean ecosystem resiliency and projects that restore degraded wetland habitat and stream habitat impacted by construction of Corps levees. The management of CAP shall continue consistent with direction provided in previous fiscal years.

The Corps is encouraged to expedite the implementation of feasibility studies approved in 2019 under section 206 of the Flood Control Act of 1958. 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.

Charleston Harbor.—The agreement includes House and Senate direction and supports the budget request to fully fund, up to the amount in the budget request, the remaining construction activities once an amendment to the existing Project Partnership Agreement is executed. It is understood that the Corps and the non-federal sponsor are prepared to sign the agreement upon enactment of this Act to ensure expeditious completion of the deepening project.

Murrieta Creek.—The non-federal sponsor intends to pursue a section 221 In-Kind Credit Contribution agreement with the Corps to do the design work to optimize the multi-purpose basin, find the most cost-effective design, and initiate excavation of the basin. The Corps is encouraged to move forward with timely approval of the agreement. The non-federal sponsor also is moving forward to address the outdated information in the Corps' economic side-by-side analysis for the project in order to identify the most cost-effective project. The Corps is directed to coordinate with the non-federal sponsor, as requested, in the economic update in order to have a strong basis for proceeding with the completion of the Limited Reevaluation Report.

South Florida Ecosystem Restoration (SFER).—As in previous years, the agreement provides funding for all study and construction activities 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 2020, 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, 2020.

MISSISSIPPI RIVER AND TRIBUTARIES

The agreement includes \$375,000,000 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 15a - 15b

X

~~[INSERT TABLE]~~



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

GPO Scan Copy
P. M. W. S. A.

	BUDGET REQUEST	FINAL BILL
CONSTRUCTION		
CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO & TN	38,649	38,649
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN	16,300	16,300
ATCHAFALAYA BASIN, LA	1,500	1,500
ATCHAFALAYA BASIN, FLOODWAY SYSTEM, LA	300	300
OPERATION & MAINTENANCE		
CHANNEL IMPROVEMENT, AR, IL, KY, LA, MS, MO & TN	70,041	70,041
HELENA HARBOR, PHILLIPS COUNTY, AR	---	540 *
INSPECTION OF COMPLETED WORKS, AR	---	290 ~
LOWER ARKANSAS RIVER, NORTH BANK, AR	1,012	1,012
LOWER ARKANSAS RIVER, SOUTH BANK, AR	148	148
RED-OUACHITA RIVER BASIN LEVEES, AR & LA	141	141
MISSISSIPPI RIVER LEVEES, AR, IL, KY, LA, MS, MO & TN	8,651	8,651
ST FRANCIS BASIN, AR & MO	5,100	5,100
TENSAS BASIN, BOEUF AND TENSAS RIVERS, AR & LA	1,342	1,342
WHITE RIVER BACKWATER, AR	1,000	1,000
INSPECTION OF COMPLETED WORKS, IL	---	15 ~
INSPECTION OF COMPLETED WORKS, KY	---	41 ~
ATCHAFALAYA BASIN, LA	10,965	10,965
ATCHAFALAYA BASIN, FLOODWAY SYSTEM, LA	1,792	1,792
BATON ROUGE HARBOR, DEVIL SWAMP, LA	---	555 *
BAYOU COCODRIE AND TRIBUTARIES, LA	48	48
BONNET CARRE, LA	4,205	4,205
INSPECTION OF COMPLETED WORKS, LA	---	701 ~
LOWER RED RIVER, SOUTH BANK LEVEES, LA	438	438
MISSISSIPPI DELTA REGION, LA	490	490
OLD RIVER, LA	9,479	9,479
TENSAS BASIN, RED RIVER BACKWATER, LA	1,805	1,805
GREENVILLE HARBOR, MS	---	930 *
INSPECTION OF COMPLETED WORKS, MS	---	152 ~
VICKSBURG HARBOR, MS	---	940 *
YAZOO BASIN, ARKABUTLA LAKE, MS	5,531	5,531
YAZOO BASIN, BIG SUNFLOWER RIVER, MS	188	188
YAZOO BASIN, ENID LAKE, MS	4,663	4,663
YAZOO BASIN, GREENWOOD, MS	747	747
YAZOO BASIN, GRENADA LAKE, MS	4,829	4,829
YAZOO BASIN, MAIN STEM, MS	1,135	1,135
YAZOO BASIN, SARDIS LAKE, MS	5,290	5,290
YAZOO BASIN, TRIBUTARIES, MS	675	675
YAZOO BASIN, WILL M WHITTINGTON AUX CHAN, MS	280	280
YAZOO BASIN, YAZOO BACKWATER AREA, MS	404	404
YAZOO BASIN, YAZOO CITY, MS	514	514
INSPECTION OF COMPLETED WORKS, MO	---	190 ~
WAPPAPELLO LAKE, MO	4,524	4,524
INSPECTION OF COMPLETED WORKS, TN	---	28 ~

152

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

	BUDGET REQUEST	FINAL BILL
MEMPHIS HARBOR, MCKELLAR LAKE, TN	---	2,163 *
SUBTOTAL, PROJECTS LISTED UNDER STATES	202,186	208,731
REMAINING ITEMS		
ADDITIONAL FUNDING FOR ONGOING WORK		
DREDGING	---	5,000
FLOOD CONTROL	---	105,090
OTHER AUTHORIZED PROJECT PURPOSES	---	50,000
COLLECTION AND STUDY OF BASIC DATA (INVESTIGATIONS)	4,960	4,960
MAPPING (OPERATION)	1,219	1,219
MISSISSIPPI RIVER COMMISSION	90	---
INSPECTION OF COMPLETED WORKS (OPERATION)	1,417	---
SUBTOTAL, REMAINING ITEMS	7,686	166,269
TOTAL, MISSISSIPPI RIVER AND TRIBUTARIES	209,872	375,000

**Includes funds requested in other accounts.*

~Includes funds requested in remaining items.

(156)

Additional Funding for Ongoing Work.—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 are 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.

Of the additional funding provided in this account, the Corps shall allocate not less than \$30,000,000 for additional flood control construction projects, of which \$15,560,000 shall be for those projects with flood control, water quality, and sediment reduction benefits.

Of the additional funding provided in this account for other authorized project purposes, the Corps shall allocate not less than \$1,160,000 for operation and maintenance of facilities that are educational or to continue land management of mitigation features.

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.

Concerns have been raised that there is a lack of fisheries expertise when making decisions to open Corps spillways, specifically related to the economic and ecological consequences experienced by coastal communities and ecosystems. The Corps is urged to work with the National Oceanic and Atmospheric Administration to investigate options for ensuring that the membership and staff of the Mississippi River Commission include a fisheries expert.

OPERATION AND MAINTENANCE

The agreement includes \$3,790,000,000 for Operation and Maintenance.

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

INSERT 17a-17u

1

[INSERT TABLE]



GPO Scan Copy
Do Not Sell

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

	BUDGET REQUEST	FINAL BILL
ALABAMA		
ALABAMA RIVER LAKES, AL	13,890	13,890
BLACK WARRIOR AND TOMBIGBEE RIVERS, AL	25,953	25,953
GULF INTRACOASTAL WATERWAY, AL	5,290	5,290
INSPECTION OF COMPLETED WORKS, AL	---	168 ~
MOBILE HARBOR, AL	---	26,031 *
PERDIDO PASS CHANNEL, AL	---	5 *
PROJECT CONDITION SURVEYS, AL	---	150 *
SCHEDULING RESERVOIR OPERATIONS, AL	---	85 ~
TENNESSEE - TOMBIGBEE WATERWAY WILDLIFE MITIGATION, AL & MS	1,800	1,800
TENNESSEE - TOMBIGBEE WATERWAY, AL & MS	37,389	37,389
WALTER F GEORGE LOCK AND DAM, AL & GA	9,099	9,099
ALASKA		
ANCHORAGE HARBOR, AK	---	9,685 *
AURORA HARBOR, AK	---	---
CHENA RIVER LAKES, AK	7,236	7,236
DILLINGHAM HARBOR, AK	---	875 *
INSPECTION OF COMPLETED WORKS, AK	---	200 ~
HOMER HARBOR, AK	---	615 *
JUNEAU HARBOR, AK	---	---
NINILCHIK HARBOR, AK	---	600 *
NOME HARBOR, AK	---	2,220 *
PROJECT CONDITION SURVEYS, AK	---	750 *
ARIZONA		
ALAMO LAKE, AZ	2,905	2,905
INSPECTION OF COMPLETED WORKS, AZ	---	250 ~
PAINTED ROCK DAM, AZ	1,165	1,165
SCHEDULING RESERVOIR OPERATIONS, AZ	---	117 ~
WHITLOW RANCH DAM, AZ	559	559
ARKANSAS		
BEAVER LAKE, AR	11,099	11,099
BLAKELY MT DAM, LAKE OUACHITA, AR	7,858	7,858
BLUE MOUNTAIN LAKE, AR	1,762	1,762
BULL SHOALS LAKE, AR	7,466	7,466
DEGRAY LAKE, AR	7,148	7,148
DEQUEEN LAKE, AR	1,579	1,579
DIERKS LAKE, AR	1,410	1,410
GILLHAM LAKE, AR	2,545	2,545
GREERS FERRY LAKE, AR	9,043	9,043

17a

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

	BUDGET REQUEST	FINAL BILL
HELENA HARBOR, AR	---	15 *
INSPECTION OF COMPLETED WORKS, AR	---	1,151 ~
MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, AR	52,475	52,475
MILLWOOD LAKE, AR	3,245	3,245
NARROWS DAM, LAKE GREESON, AR	5,732	5,732
NIMROD LAKE, AR	2,009	2,009
NORFORK LAKE, AR	7,342	7,342
OSCEOLA HARBOR, AR	---	15 *
OUACHITA AND BLACK RIVERS, AR & LA	7,339	7,339
PROJECT CONDITION SURVEYS, AR	---	5 *
WHITE RIVER, AR	25	25
CALIFORNIA		
BLACK BUTTE LAKE, CA	8,050	8,050
BUCHANAN DAM, HV EASTMAN LAKE, CA	4,977	4,977
CHANNEL ISLANDS HARBOR, CA	---	5,290 *
COYOTE VALLEY DAM, LAKE MENDOCINO, CA	3,704	3,704
DRY CREEK (WARM SPRINGS) LAKE AND CHANNEL, CA	6,816	6,816
FARMINGTON DAM, CA	712	712
HIDDEN DAM, HENSLEY LAKE, CA	2,638	2,638
HUMBOLDT HARBOR AND BAY, CA	---	3,962 *
ISABELLA LAKE, CA	1,696	1,696
INSPECTION OF COMPLETED WORKS, CA	---	3,173 ~
LOS ANGELES COUNTY DRAINAGE AREA, CA	13,108	13,108
MERCED COUNTY STREAMS, CA	470	470
MOJAVE RIVER DAM, CA	1,329	1,329
MORRO BAY HARBOR, CA	---	2,750 *
NEW HOGAN LAKE, CA	3,583	3,583
NEW MELONES LAKE, DOWNSTREAM CHANNEL, CA	2,197	2,197
OAKLAND HARBOR (50 FOOT PROJECT), CA	---	20,563 *
OCEANSIDE HARBOR, CA	---	2,650 *
PINE FLAT LAKE, CA	4,226	4,226
PROJECT CONDITION SURVEYS, CA	---	1,494 *
REDWOOD CITY HARBOR, CA	---	475 *
RICHMOND HARBOR, CA	---	14,519 *
SACRAMENTO RIVER (30 FOOT PROJECT), CA	---	2,030 *
SACRAMENTO RIVER AND TRIBUTARIES (DEBRIS CONTROL), CA	909	1,621 *
SACRAMENTO RIVER SHALLOW DRAFT CHANNEL, CA	---	175 *
SAN FRANCISCO BAY DELTA MODEL STRUCTURE, CA	743	743
SAN FRANCISCO BAY LONG TERM MANAGEMENT STRATEGY, CA	---	405 *
SAN FRANCISCO HARBOR AND BAY, CA (DRIFT REMOVAL)	---	3,538 *
SAN FRANCISCO HARBOR, CA	---	4,530 *
SAN JOAQUIN RIVER, PORT OF STOCKTON, CA	---	4,530 *
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	---	2,880 *
SAN RAFAEL CREEK, CA	---	28 *

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

	BUDGET REQUEST	FINAL BILL
SANTA ANA RIVER BASIN, CA	6,158	6,158
SANTA BARBARA HARBOR, CA	---	3,620 *
SCHEDULING RESERVOIR OPERATIONS, CA	---	1,464 ~
SUCCESS LAKE, CA	2,729	2,729
SUISUN BAY CHANNEL, CA	---	5,800 *
TERMINUS DAM, LAKE KAWEAH, CA	3,205	3,205
YUBA RIVER, CA	203	1,519 *
COLORADO		
BEAR CREEK LAKE, CO	646	646
CHATFIELD LAKE, CO	1,961	1,961
CHERRY CREEK LAKE, CO	1,061	1,061
INSPECTION OF COMPLETED WORKS, CO	---	435 ~
JOHN MARTIN RESERVOIR, CO	3,865	3,865
TRINIDAD LAKE, CO	2,305	2,305
SCHEDULING RESERVOIR OPERATIONS, CO	---	601 ~
CONNECTICUT		
BLACK ROCK LAKE, CT	657	657
COLEBROOK RIVER LAKE, CT	779	779
HANCOCK BROOK LAKE, CT	586	586
HOP BROOK LAKE, CT	1,214	1,214
INSPECTION OF COMPLETED WORKS, CT	---	303 ~
MANSFIELD HOLLOW LAKE, CT	880	880
NORTHFIELD BROOK LAKE, CT	836	836
PROJECT CONDITION SURVEYS, CT	---	800 *
STAMFORD HURRICANE BARRIER, CT	851	851
THOMASTON DAM, CT	1,139	1,139
WEST THOMPSON LAKE, CT	811	811
DELAWARE		
INDIAN RIVER INLET & BAY, DE	---	33 *
INSPECTION OF COMPLETED WORKS, DE	---	71 ~
INTRACOASTAL WATERWAY, DELAWARE RIVER TO CHESAPEAKE BAY, DE & MD	---	22,255 *
INTRACOASTAL WATERWAY, REHOBOTH BAY TO DELAWARE BAY, DE	---	--- *
PROJECT CONDITION SURVEYS, DE	---	200 *
WILMINGTON HARBOR, DE	---	7,740 *
DISTRICT OF COLUMBIA		
INSPECTION OF COMPLETED WORKS, DC	---	85 ~
POTOMAC AND ANACOSTIA RIVERS, DC (DRIFT REMOVAL)	---	1,075 *
PROJECT CONDITION SURVEYS, DC	---	30 *

17c

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

	BUDGET REQUEST	FINAL BILL	
WASHINGTON HARBOR, DC	---	25	*
FLORIDA			
CANAVERAL HARBOR, FL	---	1,474	*
CENTRAL & SOUTHERN FLORIDA, FL	19,318	20,230	*
ESCAMBIA AND CONECHU RIVERS, FL & AL	---	45	*
INSPECTION OF COMPLETED WORKS, FL	---	1,173	~
INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL	3,480	3,480	
JACKSONVILLE HARBOR, FL	---	8,310	*
JIM WOODRUFF LOCK AND DAM, LAKE SEMINOLE, FL, AL & GA	8,202	8,202	
MANATEE HARBOR, FL	---	230	*
MIAMI HARBOR, FL	---	230	*
OKEECHOBEE WATERWAY, FL	1,212	2,736	*
PALM BEACH HARBOR, FL	---	3,970	*
PORT EVERGLADES HARBOR, FL	---	373	*
PROJECT CONDITION SURVEYS, FL	---	1,275	*
REMOVAL OF AQUATIC GROWTH, FL	---	3,410	*
SCHEDULING RESERVOIR OPERATIONS, FL	---	120	~
SOUTH FLORIDA ECOSYSTEM RESTORATION (EVERGLADES), FL	5,454	5,454	
TAMPA HARBOR, FL	---	8,530	*
GEORGIA			
ALLATOONA LAKE, GA	8,747	8,747	
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA, AL & FL	1,622	1,622	
ATLANTIC INTRACOASTAL WATERWAY, GA	200	200	
BRUNSWICK HARBOR, GA	---	5,783	*
BUFORD DAM AND LAKE SIDNEY LANIER, GA	10,262	10,262	
CARTERS DAM AND LAKE, GA	7,366	7,366	
HARTWELL LAKE, GA & SC	10,415	10,450	*
INSPECTION OF COMPLETED WORKS, GA	---	161	~
J STROM THURMOND LAKE, GA & SC	10,644	10,713	*
PROJECT CONDITION SURVEYS, GA	---	100	*
RICHARD B RUSSELL DAM AND LAKE, GA & SC	9,231	9,231	
SAVANNAH HARBOR, GA	---	28,640	*
SAVANNAH RIVER BELOW AUGUSTA, GA	---	169	*
WEST POINT DAM AND LAKE, GA & AL	7,825	7,825	
HAWAII			
BARBERS POINT HARBOR, HI	297	297	
HILO HARBOR, HI	---	582	*
HONOLULU HARBOR, HI	---	175	*
INSPECTION OF COMPLETED WORKS, HI	---	613	~
PORT ALLEN HARBOR, KAUAI, HI	---	---	*

17d

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

	BUDGET REQUEST	FINAL BILL
PROJECT CONDITION SURVEYS, HI	---	581 *
IDAHO		
ALBENI FALLS DAM, ID	1,179	1,179
DWORSHAK DAM AND RESERVOIR, ID	4,431	3,905
INSPECTION OF COMPLETED WORKS, ID	---	382 ~
LUCKY PEAK LAKE, ID	3,402	3,402
SCHEDULING RESERVOIR OPERATIONS, ID	---	721 ~
ILLINOIS		
CALUMET HARBOR AND RIVER, IL & IN	---	2,630 *
CARLYLE LAKE, IL	5,737	5,737
CHICAGO HARBOR, IL	---	3,080 *
CHICAGO RIVER, IL	612	612
CHICAGO SANITARY AND SHIP CANAL DISPERSAL BARRIER, IL	13,943	13,943
FARM CREEK RESERVOIRS, IL	537	537
ILLINOIS WATERWAY (MVR PORTION), IL & IN	78,968	78,968
ILLINOIS WATERWAY (MVS PORTION), IL & IN	2,065	2,065
INSPECTION OF COMPLETED WORKS, IL	---	2,397 ~
KASKASKIA RIVER NAVIGATION, IL	2,228	2,228
LAKE MICHIGAN DIVERSION, IL	---	860 *
LAKE SHELBYVILLE, IL	5,161	5,161
MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS (MVR PORTION), IL	50,759	50,759
MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS (MVS PORTION), IL	25,159	25,159
PROJECT CONDITION SURVEYS, IL	---	75 *
REND LAKE, IL	5,133	5,133
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, IL	---	709 *
WAUKEGAN HARBOR, IL	---	1,489 *
INDIANA		
BROOKVILLE LAKE, IN	5,584	5,584
BURNS WATERWAY HARBOR, IN	---	4,335 *
CAGLES MILL LAKE, IN	1,218	1,218
CECIL M HARDEN LAKE, IN	1,203	1,203
INDIANA HARBOR, IN	---	8,352 *
INSPECTION OF COMPLETED WORKS, IN	---	985 ~
J EDWARD ROUSH LAKE, IN	1,866	1,866
MISSISSINEWA LAKE, IN	2,298	2,298
MONROE LAKE, IN	1,433	1,329
PATOKA LAKE, IN	1,371	1,211

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

	BUDGET REQUEST	FINAL BILL
PROJECT CONDITION SURVEYS, IN	---	152 *
SALAMONIE LAKE, IN	2,213	2,213
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, IN	---	141 *
IOWA		
CORALVILLE LAKE, IA	4,447	4,447
INSPECTION OF COMPLETED WORKS, IA	---	1,422 ~
MISSOURI RIVER FISH AND WILDLIFE RECOVERY, IA, KS, MO, MT, NE, ND & SD	4,743	4,743
MISSOURI RIVER - SIOUX CITY TO THE MOUTH, IA, KS, MO & NE	10,543	10,543
PROJECT CONDITION SURVEYS, IA	---	2 *
RATHBUN LAKE, IA	2,504	2,504
RED ROCK DAM AND LAKE RED ROCK, IA	5,178	5,178
SAYLORVILLE LAKE, IA	5,762	5,762
KANSAS		
CLINTON LAKE, KS	3,531	3,531
COUNCIL GROVE LAKE, KS	2,183	2,183
EL DORADO LAKE, KS	948	948
ELK CITY LAKE, KS	1,508	1,508
FALL RIVER LAKE, KS	1,302	1,302
HILLSDALE LAKE, KS	1,222	1,222
INSPECTION OF COMPLETED WORKS, KS	---	1,617 ~
JOHN REDMOND DAM AND RESERVOIR, KS	1,879	1,879
KANOPOLIS LAKE, KS	5,799	3,005
MARION LAKE, KS	2,290	2,290
MELVERN LAKE, KS	3,021	3,021
MILFORD LAKE, KS	2,775	2,775
PEARSON - SKUBITZ BIG HILL LAKE, KS	1,457	1,457
PERRY LAKE, KS	2,874	2,874
POMONA LAKE, KS	2,560	2,560
SCHEDULING RESERVOIR OPERATIONS, KS	---	686 ~
TORONTO LAKE, KS	729	729
TUTTLE CREEK LAKE, KS	2,711	2,711
WILSON LAKE, KS	1,800	1,800
KENTUCKY		
BARKLEY DAM AND LAKE BARKLEY, KY & TN	11,091	11,091
BARREN RIVER LAKE, KY	4,087	4,087
BIG SANDY HARBOR, KY	---	2,054 *
BUCKHORN LAKE, KY	2,299	2,299
CARR CREEK LAKE, KY	2,422	2,422
CAVE RUN LAKE, KY	1,551	1,551
DEWEY LAKE, KY	1,956	1,956

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

	BUDGET REQUEST	FINAL BILL
ELVIS STAHR (HICKMAN) HARBOR, KY	---	935 *
FALLS OF THE OHIO NATIONAL WILDLIFE, KY & IN	29	29
FISHTRAP LAKE, KY	2,719	2,719
GRAYSON LAKE, KY	2,000	2,000
GREEN AND BARREN RIVERS, KY	2,797	2,797
GREEN RIVER LAKE, KY	3,455	3,455
INSPECTION OF COMPLETED WORKS, KY	---	887 ~
KENTUCKY RIVER, KY	217	217
LAUREL RIVER LAKE, KY	2,441	2,441
MARTINS FORK LAKE, KY	1,734	1,734
MIDDLESBORO CUMBERLAND RIVER BASIN, KY	273	273
NOLIN LAKE, KY	3,203	3,203
OHIO RIVER LOCKS AND DAMS, KY, IL, IN & OH	50,577	50,577
OHIO RIVER OPEN CHANNEL WORK, KY, IL, IN, OH, PA & WV	6,891	6,891
PAINTSVILLE LAKE, KY	1,362	1,362
PROJECT CONDITION SURVEYS, KY	---	5 *
ROUGH RIVER LAKE, KY	3,404	3,404
TAYLORSVILLE LAKE, KY	1,166	1,166
WOLF CREEK DAM, LAKE CUMBERLAND, KY	10,647	10,647
YATESVILLE LAKE, KY	1,689	1,689

LOUISIANA

ATCHAFALAYA RIVER AND BAYOUS CHENE, BOEUF & BLACK, LA	---	8,484 *
BAYOU BODCAU RESERVOIR, LA	1,209	1,209
BAYOU LAFOURCHE AND LAFOURCHE JUMP WATERWAY, LA	---	850 *
BAYOU PIERRE, LA	33	33
BAYOU SEGNETTE WATERWAY, LA	---	10 *
BAYOU TECHE AND VERMILION RIVER, LA	---	30 *
BAYOU TECHE, LA	---	60 *
CADDO LAKE, LA	218	218
CALCASIEU RIVER AND PASS, LA	---	17,400 *
CHEFUNCTE RIVER & BOGUE FALIA, LA	---	20 *
FRESHWATER BAYOU, LA	---	1,800 *
GULF INTRACOASTAL WATERWAY, LA	16,018	16,018
HOUMA NAVIGATION CANAL, LA	---	1,050 *
INSPECTION OF COMPLETED WORKS, LA	---	1,330 ~
J BENNETT JOHNSTON WATERWAY, LA	8,436	8,436
LAKE PROVIDENCE HARBOR, LA	---	30 *
MERMENTAU RIVER, LA	---	1,800 *
MISSISSIPPI RIVER OUTLETS AT VENICE, LA	---	1,350 *
MISSISSIPPI RIVER, BATON ROUGE TO THE GULF OF MEXICO, LA	---	91,970 *
PROJECT CONDITION SURVEYS, LA	---	25 *
REMOVAL OF AQUATIC GROWTH, LA	---	200 *
WALLACE LAKE, LA	267	267
WATERWAY FROM EMPIRE TO THE GULF, LA	---	20 *

(17g)

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

	BUDGET REQUEST	FINAL BILL
WATERWAY FROM INTRACOASTAL WATERWAY TO BAYOU DULAC, LA	---	10 *
MAINE		
DISPOSAL AREA MONITORING, ME	---	1,050 *
INSPECTION OF COMPLETED WORKS, ME	---	108 ~
PROJECT CONDITION SURVEYS, ME	---	1,000 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, ME	---	30 *
UNION RIVER, ME	---	250 *
MARYLAND		
BALTIMORE HARBOR AND CHANNELS (50 FOOT), MD	---	20,400 *
BALTIMORE HARBOR, MD (DRIFT REMOVAL)	---	565 *
CUMBERLAND, MD AND RIDGELEY, WV	214	214
INSPECTION OF COMPLETED WORKS, MD	---	175 ~
JENNINGS RANDOLPH LAKE, MD & WV	4,382	4,382
NANTICOKE RIVER NORTHWEST FORK, MD	---	3 *
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD	---	500 *
POCOMOKE RIVER, MD	---	3 *
PROJECT CONDITION SURVEYS, MD	---	500 *
SCHEDULING RESERVOIR OPERATIONS, MD	---	164 ~
WICOMICO RIVER, MD	---	4,025 *
MASSACHUSETTS		
BARRE FALLS DAM, MA	1,140	1,140
BIRCH HILL DAM, MA	1,196	1,196
BUFFUMVILLE LAKE, MA	1,141	1,141
CAPE COD CANAL, MA	2,071	2,071
CAPE COD CANAL, MA	---	9,834 *
CHARLES RIVER NATURAL VALLEY STORAGE AREA, MA	402	402
CONANT BROOK LAKE, MA	416	416
EAST BRIMFIELD LAKE, MA	1,024	1,024
HODGES VILLAGE DAM, MA	1,221	1,221
INSPECTION OF COMPLETED WORKS, MA	---	417 ~
KNIGHTVILLE DAM, MA	1,104	1,104
LITTLEVILLE LAKE, MA	832	832
NEW BEDFORD FAIRHAVEN AND ACUSHNET HURRICANE BARRIER, MA	915	915
PROJECT CONDITION SURVEYS, MA	---	1,050 *
TULLY LAKE, MA	1,245	1,245
WELLFLEET HARBOR, MA	---	5,000 *
WEST HILL DAM, MA	926	926
WESTVILLE LAKE, MA	1,284	1,284

17h

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

	BUDGET REQUEST	FINAL BILL
MICHIGAN		
CHANNELS IN LAKE ST CLAIR, MI	---	192 *
DETROIT RIVER, MI	34	6,003 *
GRAND HAVEN HARBOR, MI	19	619 *
INSPECTION OF COMPLETED WORKS, MI	---	267 ~
KEWEENAW WATERWAY, MI	35	35
PROJECT CONDITION SURVEYS, MI	---	530 *
SAGINAW RIVER, MI	---	2,747 *
SEBEWAING RIVER, MI	60	60
ST CLAIR RIVER, MI	---	1,572 *
ST MARYS RIVER, MI	6,518	34,714 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, MI	---	2,890 *
MINNESOTA		
BIG STONE LAKE AND WHETSTONE RIVER, MN AND SD	254	254
DULUTH - SUPERIOR HARBOR, MN & WI	584	5,870 *
INSPECTION OF COMPLETED WORKS, MN	---	526 ~
LAC QUI PARLE LAKES, MINNESOTA RIVER, MN	1,239	1,239
MISSISSIPPI RIVER BETWEEN MISSOURI RIVER AND MINNEAPOLIS (MVP PORTION), MN	54,752	54,752
ORWELL LAKE, MN	519	519
PROJECT CONDITION SURVEYS, MN	---	84 ~
RED LAKE RESERVOIR, MN	195	195
RESERVOIRS AT HEADWATERS OF MISSISSIPPI RIVER, MN	4,436	4,436
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, MN	---	530 *
TWO HARBORS, MN	---	1,000 *
MISSISSIPPI		
EAST FORK, TOMBIGBEE RIVER, MS	290	290
GULFPORT HARBOR, MS	---	4,355 *
INSPECTION OF COMPLETED WORKS, MS	---	109 ~
MOUTH OF YAZOO RIVER, MS	---	307 *
OKATIBBEE LAKE, MS	1,716	1,716
PASCAGOULA HARBOR, MS	---	3,860 *
PEARL RIVER, MS & LA	140	140
PROJECT CONDITION SURVEYS, MS	---	155 *
ROSEDALE HARBOR, MS	---	35 *
YAZOO RIVER, MS	---	111 *
MISSOURI		
CARUTHERSVILLE HARBOR, MO	---	15 *
CLARENCE CANNON DAM AND MARK TWAIN LAKE, MO	6,786	6,786

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

	BUDGET REQUEST	FINAL BILL
CLEARWATER LAKE, MO	3,487	3,487
HARRY S TRUMAN DAM AND RESERVOIR, MO	11,262	11,262
INSPECTION OF COMPLETED WORKS, MO	---	949 ~
LITTLE BLUE RIVER LAKES, MO	1,410	1,410
LONG BRANCH LAKE, MO	888	888
MISSISSIPPI RIVER BETWEEN THE OHIO AND MISSOURI RIVERS (REG WORKS), MO & IL	25,045	25,045
NEW MADRID COUNTY HARBOR, MO	---	10 *
NEW MADRID HARBOR, MO (MILE 889)	---	15 *
POMME DE TERRE LAKE, MO	2,822	2,822
PROJECT CONDITION SURVEYS, MO	---	5 *
SCHEDULING RESERVOIR OPERATIONS, MO	---	181 ~
SMITHVILLE LAKE, MO	3,600	3,600
SOUTHEAST MISSOURI PORT, MISSISSIPPI RIVER, MO	---	9 *
STOCKTON LAKE, MO	4,773	4,773
TABLE ROCK LAKE, MO & AR	9,979	9,979
MONTANA		
FT PECK DAM AND LAKE, MT	5,744	5,744
INSPECTION OF COMPLETED WORKS, MT	---	588 ~
LIBBY DAM, MT	2,213	2,213
SCHEDULING RESERVOIR OPERATIONS, MT	---	126 ~
NEBRASKA		
GAVINS POINT DAM, LEWIS AND CLARK LAKE, NE & SD	10,083	10,083
HARLAN COUNTY LAKE, NE	2,514	2,514
INSPECTION OF COMPLETED WORKS, NE	---	1,222 ~
MISSOURI RIVER - KENSLERS BEND, NE TO SIOUX CITY, IA	113	113
PAPILLION CREEK, NE	962	962
SALT CREEKS AND TRIBUTARIES, NE	1,142	1,142
NEVADA		
INSPECTION OF COMPLETED WORKS, NV	---	70 ~
MARTIS CREEK LAKE, NV & CA	1,332	1,332
PINE AND MATHEWS CANYONS LAKES, NV	1,210	1,210
NEW HAMPSHIRE		
BLACKWATER DAM, NH	1,020	1,020
EDWARD MACDOWELL LAKE, NH	888	888
FRANKLIN FALLS DAM, NH	1,157	1,157
HOPKINTON - EVERETT LAKES, NH	2,015	2,015
INSPECTION OF COMPLETED WORKS, NH	---	70 ~

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

	BUDGET REQUEST	FINAL BILL
OTTER BROOK LAKE, NH	899	899
PROJECT CONDITION SURVEYS, NH	---	300 *
RYE HARBOR, NH	---	200 *
SURRY MOUNTAIN LAKE, NH	932	932
NEW JERSEY		
BARNEGAT INLET, NJ	---	9 *
CHEESEQUAKE CREEK, NJ	---	50 *
COLD SPRING INLET, NJ	---	20 *
DELAWARE RIVER AT CAMDEN, NJ	---	15 *
DELAWARE RIVER, PHILADELPHIA TO THE SEA, NJ, PA & DE	---	32,358 *
INSPECTION OF COMPLETED WORKS, NJ	---	559 ~
MANASQUAN RIVER, NJ	---	432 *
NEW JERSEY INTRACOASTAL WATERWAY, NJ	---	895 *
NEWARK BAY, HACKENSACK AND PASSAIC RIVERS, NJ	---	16,600 *
PASSAIC RIVER FLOOD WARNING SYSTEMS, NJ	668	668
PROJECT CONDITION SURVEYS, NJ	---	2,494 *
RARITAN RIVER, NJ	---	50 *
SALEM RIVER, NJ	---	100 *
SANDY HOOK BAY AT LEONARD, NJ	---	10 *
SHOAL HARBOR AND COMPTON CREEK, NJ	---	25 *
SHREWSBURY RIVER, MAIN CHANNEL, NJ	---	25 *
NEW MEXICO		
ABIQUIU DAM, NM	3,330	3,330
COCHITI LAKE, NM	4,188	4,188
CONCHAS LAKE, NM	4,446	4,446
GALISTEO DAM, NM	1,075	1,075
JEMEZ CANYON DAM, NM	978	978
INSPECTION OF COMPLETED WORKS, NM	---	318 ~
MIDDLE RIO GRANDE ENDANGERED SPECIES COLLABORATIVE PROGRAM, NM	1,190	1,190
SANTA ROSA DAM AND LAKE, NM	1,830	1,830
SCHEDULING RESERVOIR OPERATIONS, NM	---	205 ~
TWO RIVERS DAM, NM	708	708
UPPER RIO GRANDE WATER OPERATIONS MODEL, NM	1,315	1,315
NEW YORK		
ALMOND LAKE, NY	826	826
ARKPORT DAM, NY	491	491
BAY RIDGE AND RED HOOK CHANNELS, NY	---	25 *
BLACK ROCK CHANNEL AND TONAWANDA HARBOR, NY	5	2,077 *
BRONX RIVER, NY	---	30 *
BROWNS CREEK, NY	---	30 *

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

	BUDGET REQUEST	FINAL BILL
BUFFALO HARBOR, NY	---	250 *
BUTTERMILK CHANNEL, NY	---	30 *
EAST RIVER, NY	---	455 *
EAST SIDNEY LAKE, NY	685	685
FIRE ISLAND INLET TO JONES INLET, NY	---	50 *
FLUSHING BAY AND CREEK, NY	---	280 *
GLEN COVE CREEK, NY	---	15 *
GREAT KILLS HARBOR, NY	---	20 *
GREAT SOUTH BAY, NY	---	25 *
HUDSON RIVER CHANNEL, NY	---	50 *
HUDSON RIVER, NY (MAINT)	---	9,300 *
HUDSON RIVER, NY (O & C)	---	1,350 *
INSPECTION OF COMPLETED WORKS, NY	---	1,742 ~
JONES INLET, NY	---	50 *
LAKE MONTAUK HARBOR, NY	---	50 *
MATTITUCK HARBOR, NY	---	15 *
MOUNT MORRIS DAM, NY	3,604	3,604
NEW YORK AND NEW JERSEY CHANNELS, NY	---	14,100 *
NEW YORK AND NEW JERSEY HARBOR, NY & NJ	---	16,200 *
NEW YORK HARBOR, NY	---	6,965 *
NEW YORK HARBOR, NY & NJ (DRIFT REMOVAL)	---	11,171 *
NEW YORK HARBOR, NY (PREVENTION OF OBSTRUCTIVE DEPOSITS)	---	1,748 *
PORTCHESTER HARBOR, NY	---	30 *
PROJECT CONDITION SURVEYS, NY	---	2,602 *
SOUTHERN NEW YORK FLOOD CONTROL PROJECTS, NY	884	884
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, NY	---	780 *
WHITNEY POINT LAKE, NY	943	943
NORTH CAROLINA		
ATLANTIC INTRACOASTAL WATERWAY, NC	2,155	2,155
B EVERETT JORDAN DAM AND LAKE, NC	1,912	1,912
CAPE FEAR RIVER ABOVE WILMINGTON, NC	140	495 *
FALLS LAKE, NC	1,777	1,777
INSPECTION OF COMPLETED WORKS, NC	---	190 ~
MANTEO (SHALLOWBAG) BAY, NC	---	806 *
MASONBORO INLET AND CONNECTING CHANNELS, NC	---	25 *
MOREHEAD CITY HARBOR, NC	---	7,540 *
NEW RIVER INLET, NC	---	30 *
PROJECT CONDITION SURVEYS, NC	---	700 *
ROLLINSON CHANNEL, NC	---	650 *
SILVER LAKE HARBOR, NC	---	60 *
W KERR SCOTT DAM AND RESERVOIR, NC	3,351	3,351
WILMINGTON HARBOR, NC	---	16,560 *

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

	BUDGET REQUEST	FINAL BILL
NORTH DAKOTA		
BOWMAN HALEY, ND	317	317
GARRISON DAM, LAKE SAKAKAWEA, ND	16,001	16,001
HOMME LAKE, ND	352	352
INSPECTION OF COMPLETED WORKS, ND	—	512 ~
LAKE ASHTABULA AND BALDHILL DAM, ND	1,588	1,588
PIPESTEM LAKE, ND	706	706
SCHEDULING RESERVOIR OPERATIONS, ND	—	124 ~
SOURIS RIVER, ND	386	386
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, ND	—	160 *
OHIO		
ALUM CREEK LAKE, OH	1,981	1,981
ASHTABULA HARBOR, OH	—	108 *
BERLIN LAKE, OH	2,762	2,762
CAESAR CREEK LAKE, OH	2,937	2,937
CLARENCE J BROWN DAM, OH	1,481	1,481
CLEVELAND HARBOR, OH	—	8,066 *
CONNEAUT HARBOR, OH	—	1,216 *
DEER CREEK LAKE, OH	3,397	3,397
DELAWARE LAKE, OH	1,746	1,746
DILLON LAKE, OH	2,204	2,204
FAIRPORT HARBOR, OH	—	1,130 *
INSPECTION OF COMPLETED WORKS, OH	—	590 ~
MASSILLON LOCAL PROTECTION PROJECT, OH	115	115
MICHAEL J KIRWAN DAM AND RESERVOIR, OH	1,481	1,481
MOSQUITO CREEK LAKE, OH	1,452	1,452
MUSKINGUM RIVER LAKES, OH	12,459	12,459
NORTH BRANCH KOKOSING RIVER LAKE, OH	731	731
OHIO-MISSISSIPPI FLOOD CONTROL, OH	1,537	1,537
PAINT CREEK LAKE, OH	2,980	2,980
PROJECT CONDITION SURVEYS, OH	—	318 *
ROSEVILLE LOCAL PROTECTION PROJECT, OH	54	54
SANDUSKY HARBOR, OH	—	913 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, OH	—	300 *
TOLEDO HARBOR, OH	—	4,659 *
TOM JENKINS DAM, OH	1,455	1,455
WEST FORK OF MILL CREEK LAKE, OH	1,202	1,202
WILLIAM H HARSHA LAKE, OH	2,666	2,595
OKLAHOMA		
ARCADIA LAKE, OK	507	507
BIRCH LAKE, OK	1,111	1,111

17m

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

	BUDGET REQUEST	FINAL BILL
BROKEN BOW LAKE, OK	3,897	3,897
CANTON LAKE, OK	1,760	1,760
COPAN LAKE, OK	1,172	1,172
EUFAULA LAKE, OK	7,223	7,223
FORT GIBSON LAKE, OK	5,488	5,488
FORT SUPPLY LAKE, OK	1,260	1,260
GREAT SALT PLAINS LAKE, OK	343	343
HEYBURN LAKE, OK	824	824
HUGO LAKE, OK	1,939	1,939
HULAH LAKE, OK	1,010	1,010
INSPECTION OF COMPLETED WORKS, OK	—	275 ~
KAW LAKE, OK	2,388	2,388
KEYSTONE LAKE, OK	5,043	5,043
MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM, OK	19,187	19,187
OOLOGAH LAKE, OK	3,104	3,104
OPTIMA LAKE, OK	95	95
PENSACOLA RESERVOIR, LAKE OF THE CHEROKEES, OK	160	160
PINE CREEK LAKE, OK	1,455	1,455
SARDIS LAKE, OK	2,528	2,528
SCHEDULING RESERVOIR OPERATIONS, OK	—	2,060 ~
SKIATOOK LAKE, OK	1,482	1,482
TENKILLER FERRY LAKE, OK	4,769	4,769
WAURIKA LAKE, OK	1,604	1,604
WISTER LAKE, OK	900	900
OREGON		
APPLEGATE LAKE, OR	1,266	1,266
BLUE RIVER LAKE, OR	1,093	1,093
BONNEVILLE LOCK AND DAM, OR & WA	1,919	7,657 *
CHETCO RIVER, OR	—	954 *
COLUMBIA RIVER AT THE MOUTH, OR & WA	—	23,759 *
COOS BAY, OR	—	4,802 *
COQUILLE RIVER, OR	—	515 *
COTTAGE GROVE LAKE, OR	1,516	1,516
COUGAR LAKE, OR	3,986	3,986
DEPOE BAY, OR	—	24 *
DETROIT LAKE, OR	1,054	1,054
DORENA LAKE, OR	1,499	1,499
ELK CREEK LAKE, OR	305	305
FALL CREEK LAKE, OR	1,504	1,504
FERN RIDGE LAKE, OR	2,078	2,078
GREEN PETER - FOSTER LAKES, OR	2,631	2,631
HILLS CREEK LAKE, OR	1,441	1,441
INSPECTION OF COMPLETED WORKS, OR	—	1,001 ~
JOHN DAY LOCK AND DAM, OR & WA	5,964	5,964

170

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

	BUDGET REQUEST	FINAL BILL
LOOKOUT POINT LAKE, OR	2,187	2,187
LOST CREEK LAKE, OR	3,862	3,862
MCNARY LOCK AND DAM, OR & WA	9,904	9,904
NEHALEM BAY, OR	---	20 *
PORT ORFORD, OR	---	1,302 *
PROJECT CONDITION SURVEYS, OR	---	477 *
ROGUE RIVER AT GOLD BEACH, OR	---	942 *
SCHEDULING RESERVOIR OPERATIONS, OR	---	100 ~
SIUSLAW RIVER, OR	---	975 *
SKIPANON CHANNEL, OR	---	3 *
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, OR	---	9,898 *
TILLAMOOK BAY & BAR, OR	---	25 *
UMPQUA RIVER, OR	---	1,099 *
WILLAMETTE RIVER AT WILLAMETTE FALLS, OR	65	65
WILLAMETTE RIVER BANK PROTECTION, OR	203	203
WILLOW CREEK LAKE, OR	1,013	1,013
YAQUINA BAY AND HARBOR, OR	---	4,075 *
PENNSYLVANIA		
ALLEGHENY RIVER, PA	7,177	7,177
ALVIN R BUSH DAM, PA	1,049	1,049
AYLESWORTH CREEK LAKE, PA	359	359
BELTZVILLE LAKE, PA	1,881	1,881
BLUE MARSH LAKE, PA	2,840	2,840
CONEMAUGH RIVER LAKE, PA	1,851	1,851
COWANESQUE LAKE, PA	2,117	2,117
CROOKED CREEK LAKE, PA	3,538	3,538
CURWENSVILLE LAKE, PA	939	939
DELAWARE RIVER, PHILADELPHIA, PA TO TRENTON, NJ	---	4,130 *
EAST BRANCH CLARION RIVER LAKE, PA	2,167	2,167
FOSTER JOSEPH SAYERS DAM, PA	6,653	6,653
FRANCIS E WALTER DAM, PA	1,543	1,543
GENERAL EDGAR JADWIN DAM AND RESERVOIR, PA	335	335
INSPECTION OF COMPLETED WORKS, PA	---	1,112 ~
JOHNSTOWN, PA	21	21
KINZUA DAM AND ALLEGHENY RESERVOIR, PA	1,582	1,582
LOYALHANNA LAKE, PA	8,316	6,130
MAHONING CREEK LAKE, PA	1,435	1,435
MONONGAHELA RIVER, PA	16,866	16,866
OHIO RIVER LOCKS AND DAMS, PA, OH & WV	32,771	32,771
OHIO RIVER OPEN CHANNEL WORK, PA, OH & WV	959	959
PROJECT CONDITION SURVEYS, PA	---	172 *
PROMPTON LAKE, PA	555	555
PUNXSUTAWNEY, PA	862	862
RAYSTOWN LAKE, PA	4,584	4,584

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

	BUDGET REQUEST	FINAL BILL
SCHEDULING RESERVOIR OPERATIONS, PA	---	78 ~
SCHUYLKILL RIVER, PA	---	4,083 *
SHENANGO RIVER LAKE, PA	2,844	2,844
STILLWATER LAKE, PA	638	638
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, PA	---	120 *
TIOGA - HAMMOND LAKES, PA	3,061	3,061
TIONESTA LAKE, PA	5,510	5,510
UNION CITY LAKE, PA	538	538
WOODCOCK CREEK LAKE, PA	1,110	1,110
YORK INDIAN ROCK DAM, PA	926	926
YOUGHIOGHENY RIVER LAKE, PA & MD	3,238	3,238
PUERTO RICO		
INSPECTION OF COMPLETED WORKS, PR	---	185 ~
PROJECT CONDITION SURVEYS, PR	---	100 *
SAN JUAN HARBOR, PR	---	730 *
RHODE ISLAND		
FOX POINT BARRIER, NARRANGANSETT BAY, RI	2,790	2,790
INSPECTION OF COMPLETED WORKS, RI	---	95 ~
PROJECT CONDITION SURVEYS, RI	---	300 *
PROVIDENCE RIVER AND HARBOR, RI	---	1,500 *
WOONSOCKET, RI	698	698
SOUTH CAROLINA		
ATLANTIC INTRACOASTAL WATERWAY, SC	285	285
CHARLESTON HARBOR, SC	---	19,476 *
COOPER RIVER, CHARLESTON HARBOR, SC	---	3,994 *
INSPECTION OF COMPLETED WORKS, SC	---	65 ~
PROJECT CONDITION SURVEYS, SC	---	875 *
SOUTH DAKOTA		
BIG BEND DAM, LAKE SHARPE, SD	9,688	9,688
COLD BROOK LAKE, SD	413	413
COTTONWOOD SPRINGS LAKE, SD	346	346
FORT RANDALL DAM, LAKE FRANCIS CASE, SD	12,398	12,398
INSPECTION OF COMPLETED WORKS, SD	---	771 ~
LAKE TRAVERSE, SD & MN	648	648
OAHE DAM, LAKE OAHE, SD & ND	13,723	13,723
SCHEDULING RESERVOIR OPERATIONS, SD	---	144 ~

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

	BUDGET REQUEST	FINAL BILL
TENNESSEE		
CENTER HILL LAKE, TN	7,577	7,577
CHEATHAM LOCK AND DAM, TN	8,272	8,272
CORDELL HULL DAM AND RESERVOIR, TN	8,059	8,059
DALE HOLLOW LAKE, TN	7,656	7,656
INSPECTION OF COMPLETED WORKS, TN	---	178 ~
J PERCY PRIEST DAM AND RESERVOIR, TN	5,837	5,837
NORTHWEST TENNESSEE REGIONAL HARBOR, LAKE COUNTY, TN	---	15 *
OLD HICKORY LOCK AND DAM, TN	13,310	13,310
PROJECT CONDITION SURVEYS, TN	---	5 *
TENNESSEE RIVER, TN	23,792	23,792
WOLF RIVER HARBOR, TN	---	655 *
TEXAS		
AQUILLA LAKE, TX	1,211	1,211
ARKANSAS - RED RIVER BASINS CHLORIDE CONTROL - AREA VIII, TX	1,797	1,797
BARDWELL LAKE, TX	2,193	2,193
BELTON LAKE, TX	5,766	5,766
BENBROOK LAKE, TX	3,220	3,220
BRAZOS ISLAND HARBOR, TX	---	3,000 *
BUFFALO BAYOU AND TRIBUTARIES, TX	3,060	3,060
CANYON LAKE, TX	3,314	3,314
CHANNEL TO HARLINGEN, TX	---	50 *
CORPUS CHRISTI SHIP CHANNEL, TX	---	8,550 *
DENISON DAM, LAKE TEXOMA, TX	9,053	9,053
ESTELLINE SPRINGS EXPERIMENTAL PROJECT, TX	39	39
FERRELLS BRIDGE DAM, LAKE O' THE PINES, TX	3,643	3,643
FREEPORT HARBOR, TX	---	4,700 *
GALVESTON HARBOR AND CHANNEL, TX	---	10,900 *
GIWW, CHANNEL TO VICTORIA, TX	---	4,000 *
GIWW, CHOCOLATE BAYOU, TX	---	50 *
GRANGER DAM AND LAKE, TX	3,038	3,038
GRAPEVINE LAKE, TX	3,059	3,059
GULF INTRACOASTAL WATERWAY, TX	35,275	35,275
HORDS CREEK LAKE, TX	1,485	1,485
HOUSTON SHIP CHANNEL, TX	---	22,000 *
INSPECTION OF COMPLETED WORKS, TX	---	1,569 ~
JIM CHAPMAN LAKE, TX	2,072	2,072
JOE POOL LAKE, TX	1,415	1,415
LAKE KEMP, TX	268	268
LAVON LAKE, TX	3,915	3,915
LEWISVILLE DAM, TX	3,583	3,583
MATAGORDA SHIP CHANNEL, TX	---	4,450 *
NAVARRO MILLS LAKE, TX	2,361	2,361

179

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

	BUDGET REQUEST	FINAL BILL
NORTH SAN GABRIEL DAM AND LAKE GEORGETOWN, TX	3,267	3,267
O C FISHER DAM AND LAKE, TX	1,687	1,687
PAT MAYSE LAKE, TX	1,102	1,102
PROCTOR LAKE, TX	2,458	2,458
PROJECT CONDITION SURVEYS, TX	---	325 *
RAY ROBERTS LAKE, TX	1,717	1,717
SABINE - NECHES WATERWAY, TX	---	11,675 *
SAM RAYBURN DAM AND RESERVOIR, TX	7,278	7,278
SCHEDULING RESERVOIR OPERATIONS, TX	---	510 ~
SOMERVILLE LAKE, TX	3,014	3,014
STILLHOUSE HOLLOW DAM, TX	4,752	4,752
TEXAS CITY SHIP CHANNEL, TX	---	500 *
TOWN BLUFF DAM, B A STEINHAGEN LAKE, TX	4,826	4,826
WACO LAKE, TX	3,220	3,220
WALLISVILLE LAKE, TX	2,793	2,793
WHITNEY LAKE, TX	7,084	7,084
WRIGHT PATMAN DAM AND LAKE, TX	4,389	4,389
UTAH		
INSPECTION OF COMPLETED WORKS, UT	---	25 ~
SCHEDULING RESERVOIR OPERATIONS, UT	---	500 ~
VERMONT		
BALL MOUNTAIN, VT	2,206	2,206
INSPECTION OF COMPLETED WORKS, VT	---	159 *
NORTH HARTLAND LAKE, VT	1,012	1,012
NORTH SPRINGFIELD LAKE, VT	1,350	1,350
TOWNSHEND LAKE, VT	863	863
UNION VILLAGE DAM, VT	992	992
VIRGIN ISLANDS		
INSPECTION OF COMPLETED WORKS, VI	---	18 ~
PROJECT CONDITION SURVEYS, VI	---	50 *
VIRGINIA		
ATLANTIC INTRACOASTAL WATERWAY - ACC, VA	679	679
ATLANTIC INTRACOASTAL WATERWAY - DSC, VA	640	640
CHINCOTEAGUE INLET, VA	---	400 *
GATHRIGHT DAM AND LAKE MOOMAW, VA	2,612	2,612
HAMPTON ROADS, NORFOLK & NEWPORT NEWS HARBOR, VA (DRIFT	---	1,700 *
HAMPTON ROADS, VA (PREVENTION OF OBSTRUCTIVE DEPOSITS)	---	120 *
INSPECTION OF COMPLETED WORKS, VA	---	440 ~

(17r)

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

	BUDGET REQUEST	FINAL BILL
JAMES RIVER CHANNEL, VA	---	3,360 *
JOHN H KERR LAKE, VA & NC	11,594	11,594
JOHN W FLANNAGAN DAM AND RESERVOIR, VA	2,433	2,433
NORFOLK HARBOR, VA	---	15,965 *
NORTH FORK OF POUND RIVER LAKE, VA	765	765
PHILPOTT LAKE, VA	5,504	5,504
PROJECT CONDITION SURVEYS, VA	---	1,125 *
RAPPAHANNOCK RIVER, VA	---	210 *
RUDEE INLET, VA	---	320 *
WATER AND ENVIRONMENTAL CERTIFICATIONS, VA	---	150 *
WASHINGTON		
BELLINGHAM HARBOR, WA	---	--- *
CHIEF JOSEPH DAM, WA	588	588
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA & PORTLAND, OR	---	52,236 *
COLUMBIA RIVER AT BAKER BAY, WA & OR	---	1,828 *
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR	---	1,057 *
COLUMBIA RIVER FISH MITIGATION, WA, OR & ID (CRFM)	2,597	2,597
EVERETT HARBOR AND SNOHOMISH RIVER, WA	---	1,337 *
GRAYS HARBOR, WA	---	7,828 *
HOWARD HANSON DAM, WA	4,347	4,347
ICE HARBOR LOCK AND DAM, WA	7,003	7,003
INSPECTION OF COMPLETED WORKS, WA	---	1,019 ~
KENMORE NAVIGATION CHANNEL, WA	---	6,105 *
LAKE CROCKETT (KEYSTONE HARBOR), WA	---	1,623 *
LAKE WASHINGTON SHIP CANAL, WA	1,260	9,319 *
LITTLE GOOSE LOCK AND DAM, WA	4,473	4,473
LOWER GRANITE LOCK AND DAM, WA	3,309	3,309
LOWER MONUMENTAL LOCK AND DAM, WA	2,919	2,919
MILL CREEK LAKE, WA	2,746	2,746
MOUNT SAINT HELENS SEDIMENT CONTROL, WA	266	266
MUD MOUNTAIN DAM, WA	6,546	6,546
PROJECT CONDITION SURVEYS, WA	---	1,046 *
PUGET SOUND AND TRIBUTARY WATERS, WA	---	1,725 *
QUILLAYUTE RIVER, WA	---	--- *
SCHEDULING RESERVOIR OPERATIONS, WA	---	469 ~
SEATTLE HARBOR, WA	---	--- *
STILLAGUAMISH RIVER, WA	297	297
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, WA	---	66 *
SWINOMISH CHANNEL, WA	---	--- *
TACOMA HARBOR, WA	---	--- *
TACOMA, PUYALLUP RIVER, WA	184	184
THE DALLES LOCK AND DAM, WA & OR	3,607	3,607
WILLAPA RIVER AND HARBOR, WA	---	440 *

175

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

	BUDGET REQUEST	FINAL BILL
WEST VIRGINIA		
BEECH FORK LAKE, WV	1,711	1,711
BLUESTONE LAKE, WV	2,240	2,240
BURNSVILLE LAKE, WV	2,720	2,720
EAST LYNN LAKE, WV	2,644	2,644
ELKINS, WV	25	25
INSPECTION OF COMPLETED WORKS, WV	---	423 ~
KANAWHA RIVER LOCKS AND DAMS, WV	12,641	12,641
OHIO RIVER LOCKS AND DAMS, WV, KY & OH	24,361	24,361
OHIO RIVER OPEN CHANNEL WORK, WV, KY & OH	2,710	2,710
R D BAILEY LAKE, WV	2,492	2,492
STONEWALL JACKSON LAKE, WV	1,466	1,466
SUMMERSVILLE LAKE, WV	2,571	2,571
SUTTON LAKE, WV	2,980	2,980
TYGART LAKE, WV	1,667	1,667
WISCONSIN		
EAU GALLE RIVER LAKE, WI	1,055	1,055
FOX RIVER, WI	11,457	11,457
GREEN BAY HARBOR, WI	---	3,437 *
INSPECTION OF COMPLETED WORKS, WI	---	45 ~
KEWAUNEE HARBOR, WI	13	13
MILWAUKEE HARBOR, WI	---	1,341 *
PROJECT CONDITION SURVEYS, WI	---	230 *
STURGEON BAY HARBOR AND LAKE MICHIGAN SHIP CANAL, WI	7	7
SURVEILLANCE OF NORTHERN BOUNDARY WATERS, WI	---	550 *
WYOMING		
INSPECTION OF COMPLETED WORKS, WY	---	189 ~
JACKSON HOLE LEVEES, WY	1,135	1,135
SCHEDULING RESERVOIR OPERATIONS, WY	---	109 ~
SUBTOTAL, PROJECTS LISTED UNDER STATES	1,774,746	2,721,816
REMAINING ITEMS		
ADDITIONAL FUNDING FOR ONGOING WORK		
NAVIGATION MAINTENANCE	---	40,156
DEEP-DRAFT HARBOR AND CHANNEL	---	532,500
DONOR AND ENERGY TRANSFER PORTS	---	50,000
INLAND WATERWAYS	---	55,000
SMALL, REMOTE, OR SUBSISTENCE NAVIGATION	---	65,000
OTHER AUTHORIZED PROJECT PURPOSES	---	85,000
AQUATIC NUISANCE CONTROL RESEARCH	675	16,000

174

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

	BUDGET REQUEST	FINAL BILL
ASSET MANAGEMENT/FACILITIES AND EQUIP MAINTENANCE (FEM)	3,285	4,285
CIVIL WORKS WATER MANAGEMENT SYSTEM (CWWMS)	7,650	7,650
COASTAL INLET RESEARCH PROGRAM	2,430	10,975
COASTAL OCEAN DATA SYSTEM (CODS)	2,250	7,500
CULTURAL RESOURCES	900	900
CYBERSECURITY	3,600	3,600
DREDGE MCFARLAND READY RESERVE	---	10,521 *
DREDGE WHEELER READY RESERVE	---	13,500 *
DREDGING DATA AND LOCK PERFORMANCE MONITORING SYSTEM	1,010	2,720
DREDGING OPERATIONS AND ENVIRONMENTAL RESEARCH (DOER)	5,000	10,000
DREDGING OPERATIONS TECHNICAL SUPPORT PROGRAM (DOTS)	2,550	6,120
EARTHQUAKE HAZARDS REDUCTION PROGRAM	300	300
FACILITY PROTECTION	4,182	4,182
FISH & WILDLIFE OPERATING FISH HATCHERY REIMBURSEMENT	5,400	5,400
HARBOR MAINTENANCE FEE DATA COLLECTION	---	795 *
INLAND WATERWAY NAVIGATION CHARTS	4,050	5,250
INSPECTION OF COMPLETED FEDERAL FLOOD CONTROL PROJECTS	15,000	20,000
INSPECTION OF COMPLETED WORKS	32,784	--- ^
MONITORING OF COMPLETED NAVIGATION PROJECTS	3,780	12,000
NATIONAL COASTAL MAPPING PROGRAM	4,875	7,500
NATIONAL DAM SAFETY PROGRAM (PORTFOLIO RISK ASSESSMENT)	7,650	13,900
NATIONAL EMERGENCY PREPAREDNESS PROGRAM (NEPP)	4,500	4,500
NATIONAL (LEVEE) FLOOD INVENTORY	4,500	15,000
NATIONAL (MULTIPLE PROJECT) NATURAL RESOURCES MANAGEMENT ACTIVITIE:	3,330	3,330
NATIONAL PORTFOLIO ASSESSMENT FOR REALLOCATIONS	500	500
OPTIMIZATION TOOLS FOR NAVIGATION	392	600
PERFORMANCE-BASED BUDGETING SUPPORT PROGRAM	2,000	3,000
RECREATION MANAGEMENT SUPPORT PROGRAM	1,400	1,400
REGIONAL SEDIMENT MANAGEMENT PROGRAM	3,500	8,500
RESPONSE TO CLIMATE CHANGE AT CORPS PROJECTS	---	5,000
REVIEW OF NON-FEDERAL ALTERATIONS OF CIVIL WORKS PROJECTS (SECTION 40	8,500	8,500
SCHEDULING OF RESERVOIR OPERATIONS	8,564	5,000 ^
STEWARDSHIP SUPPORT PROGRAM	900	900
SUSTAINABLE RIVERS PROGRAM (SRP)	500	5,000
VETERAN'S CURATION PROGRAM AND COLLECTIONS MANAGEMENT	5,025	6,500
WATERBORNE COMMERCE STATISTICS	4,200	4,200
WATER OPERATIONS TECHNICAL SUPPORT (WOTS)	500	5,500
SUBTOTAL, REMAINING ITEMS	155,682	1,068,184
TOTAL, OPERATION AND MAINTENANCE	1,930,428	3,790,000

*Includes funds requested in other accounts.

^Funded under projects listed under states.

~Funded in remaining items.

174

Updated Capability.—The agreement adjusts some project-specific allocations downward from the budget request based on updated information regarding the amount of work that could be accomplished in fiscal year 2020.

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 \$2,200,000 to continue greenway trail improvements at federal projects.

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.

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

1. 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;
2. ability to address critical maintenance backlog;
3. presence of the U.S. Coast Guard;
4. extent to which the work will enhance national, regional, or local economic development, including domestic manufacturing capacity;
5. extent to which the work will promote job growth or international competitiveness;
6. number of jobs created directly by the funded activity;
7. ability to obligate the funds allocated within the calendar year;
8. ability to complete the project, separable element, project phase, or useful increment of work within the funds allocated;
9. addressing hazardous barriers to navigation due to shallow channels;
10. risk of imminent failure or closure of the facility;
11. for small, remote, and subsistence harbors,
 - a. low-use ports with unexpected levels of deterioration since their last dredging; and
 - b. projects with public safety concerns; and
12. for harbor maintenance activities,
 - a. total tonnage handled;
 - b. total exports;
 - c. total imports;
 - d. dollar value of cargo handled;
 - e. energy infrastructure and national security needs served;
 - f. designation as strategic seaports;
 - g. lack of alternative means of freight movement;
 - h. savings over alternative means of freight movement; and

- i. improvements to dredge disposal facilities that will result in long-term savings, including a reduction in regular maintenance.

Additional funding provided for donor and energy transfer ports shall be allocated in accordance with 33 U.S.C. 2238c. The Corps is encouraged to include funding for this program in future budget submissions. The Corps is directed to fully execute subsection (c) of 33 U.S.C. 2238c not later than 90 days after enactment of this Act.

Concerns persist that the administration's criteria for navigation maintenance do not allow small, remote, or subsistence harbors and waterways to properly compete for scarce navigation maintenance funds. The Corps is directed to revise the criteria used for determining which navigation projects are funded in order to develop a reasonable and equitable allocation under this account. The agreement supports including criteria to evaluate the economic impact that these projects provide to local and regional economies.

Aquatic Nuisance Research Program.—Concerns persist about the increasing threat to human health and public safety from harmful algal blooms (HABs) on our nation's surface waters. The agreement provides additional funds in Aquatic Nuisance Research Program to address HABs and to develop next generation ecological models to maintain inland and intracoastal waterways, which contribute over \$649,000,000,000 annually to the U.S. economy. The agreement also provides additional funds to support research and development that will identify the formation of HABs and develop improved strategies for early detection, prevention, and management techniques and procedures to reduce the occurrence and impacts of HABs in the nation's water resources. The Corps is urged to work collaboratively with appropriate university partners to address these issues. The Corps is encouraged to explore opportunities to address HABs in the Great Lakes given the historic lake levels in the region.

Coastal Inlet Research Program.—The agreement includes Senate direction.

Gross Revenue Fees.—Improving public access to and usage of Corps facilities and the continued enhancement of those facilities are significant policy objectives. Concerns have been raised that current Corps policy and actions related to the fees placed on gross revenue have discouraged the enhancement of facilities and amenities at certain properties. Therefore, the Corps is urged to consider the impact of gross revenue fees on recreational opportunities and property enhancements when determining the level of assessed gross revenue fees.

Levee Safety.—The agreement includes House and Senate direction.

Monitoring of Completed Navigation Projects.—It is understood that the Corps continues to explore non-destructive testing methods of inspection that can assist in performing this vital mission with increased safety and accuracy and at significantly less cost than current methods. The agreement provides \$2,000,000 for the Corps to complete an asset management plan regarding non-destructive testing methods. Within available funds, \$4,000,000 shall be to support the structural health monitoring program to facilitate research to maximize operations, enhance efficiency, and protect asset life through catastrophic failure mitigation. Not later than 90 days after enactment of this Act, the Corps shall brief the Committees on

Appropriations of both Houses of Congress on the status of these efforts, including future funding requirements. The agreement includes Senate direction regarding fisheries.

Regional Dredge Demonstration Program.—Additional funds are provided in this account to support the demonstration program in accordance with the front matter under the heading “Regional Dredge Demonstration Program.”

Scheduling of Reservoir Operations.—The agreement provides that not less than \$4,000,000 of the additional funds provided in the Scheduling of Reservoir Operations line shall be for a water control manual update for a non-Corps owned high hazard dam 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 forecast-informed reservoir operations technology.

Water Control Manuals.—The agreement includes Senate direction.

REGULATORY PROGRAM

The agreement includes \$210,000,000 for the Regulatory Program. Additional funds included above the budget request are to be used by Districts to decrease permit review times.

FORMERLY UTILIZED SITES REMEDIAL ACTION PROGRAM

The agreement includes \$200,000,000 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.

EXPENSES

The agreement includes \$203,000,000 for Expenses.

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 funding until the Secretary submits the required baseline report and a work plan that allocates at least 95 percent of the additional funding provided in each account (i.e., 95 percent of additional funding provided in Investigations, 95 percent of additional funding provided in Construction, etc.). 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.

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 concerning funding transfers related to fish hatcheries.

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

The agreement includes a provision prohibiting funds for reorganization of the Civil Works program.

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.

The agreement includes a provision regarding reallocations at a project.

TITLE II—DEPARTMENT OF THE INTERIOR
CENTRAL UTAH PROJECT
CENTRAL UTAH PROJECT COMPLETION ACCOUNT

The agreement includes a total of \$20,000,000 for the Central Utah Project Completion Account, which includes \$16,700,000 for Central Utah Project construction, \$1,800,000 for transfer to the Utah Reclamation Mitigation and Conservation Account for use by the Utah Reclamation Mitigation and Conservation Commission, and \$1,500,000 for necessary expenses of the Secretary of the Interior.

BUREAU OF RECLAMATION

In lieu of all House and Senate direction regarding additional funding and the fiscal year 2020 work plan, the agreement includes direction under the heading “Additional Funding for Water and Related Resources Work” in the Water and Related Resources account.

Unmanned Aerial Systems.—Concerns remain about the threat posed to the national security of the United States by unmanned aerial systems (UAS) that are produced by foreign-owned or controlled corporations and operated by the Department of the Interior, to include Reclamation. The agreement supports the Department of the Interior’s recent grounding of UAS produced by foreign-owned or controlled corporations and encourages Reclamation to work with other federal agencies to develop a strategy to end all United States Government reliance on UAS from foreign-owned or controlled corporations, while working with federal partners to find a suitable domestic alternative.

WATER AND RELATED RESOURCES
(INCLUDING TRANSFERS OF FUNDS)

The agreement provides \$1,512,151,000 for Water and Related Resources.

The agreement includes legislative language, in accordance with Public Law 114–322, to allow the use of certain funding provided in fiscal years 2017 and 2018.

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

INSERT 25a - 25h

1

~~INSERT TABLE~~

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
ARIZONA						
AK CHIN INDIAN WATER RIGHTS SETTLEMENT ACT PROJECT	---	15,311	15,311	---	15,311	15,311
COLORADO RIVER BASIN - CENTRAL ARIZONA PROJECT	5,744	648	6,392	5,744	648	6,392
COLORADO RIVER FRONT WORK AND LEVEE SYSTEM	2,303	---	2,303	2,303	---	2,303
SALT RIVER PROJECT	649	250	899	649	250	899
SAN CARLOS APACHE TRIBE WATER SETTLEMENT ACT PROJECT	1,550	---	1,550	1,550	---	1,550
YUMA AREA PROJECTS	1,125	22,789	23,914	1,125	22,789	23,914
CALIFORNIA						
CACHUMA PROJECT	746	898	1,644	746	898	1,644
CENTRAL VALLEY PROJECT:						
AMERICAN RIVER DIVISION, FOLSOM DAM UNIT/MORMON ISLAND	1,577	8,837	10,414	1,577	8,837	10,414
AUBURN-FOLSOM SOUTH UNIT	35	2,184	2,219	35	2,184	2,219
DELTA DIVISION	5,075	5,644	10,719	5,075	5,644	10,719
EAST SIDE DIVISION	1,290	2,772	4,062	1,290	2,772	4,062
FRIANT DIVISION	1,508	3,411	4,919	1,508	3,411	4,919
SAN JOAQUIN RIVER RESTORATION SETTLEMENT	28,264	---	28,264	28,264	---	28,264
MISCELLANEOUS PROJECT PROGRAMS	7,770	370	8,140	7,770	370	8,140
REPLACEMENTS, ADDITIONS, AND EXTRAORDINARY MAINT. PROGRAM	---	28,780	28,780	---	28,780	28,780
SACRAMENTO RIVER DIVISION	1,675	495	2,170	1,675	495	2,170
SAN FELIPE DIVISION	218	73	291	218	73	291
SHASTA DIVISION	474	8,343	8,817	474	8,343	8,817
TRINITY RIVER DIVISION	10,371	4,077	14,448	10,371	4,077	14,448
WATER AND POWER OPERATIONS	2,628	10,793	13,421	2,628	10,793	13,421
WEST SAN JOAQUIN DIVISION, SAN LUIS UNIT	2,758	4,908	7,666	2,758	4,908	7,666
ORLAND PROJECT	---	873	873	---	873	873
SALTON SEA RESEARCH PROJECT	300	---	300	300	---	300
SOLANO PROJECT	1,162	2,233	3,395	1,162	2,233	3,395
VENTURA RIVER PROJECT	380	54	434	380	54	434

250

6/20/2008 Copy
Do Not Recycle

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
COLORADO						
ANIMAS-LA PLATA PROJECT	5,234	5,004	10,238	5,234	5,004	10,238
ARMEL UNIT, P-SMBP	4	384	388	4	384	388
COLLBRAN PROJECT	205	1,850	2,055	205	1,850	2,055
COLORADO-BIG THOMPSON PROJECT	96	13,513	13,609	96	13,513	13,609
FRUITGROWERS DAM PROJECT	75	120	195	75	120	195
FRYINGPAN-ARKANSAS PROJECT	135	9,884	10,019	135	9,884	10,019
GRAND VALLEY UNIT, CRBSCP, TITLE II	275	1,743	2,018	275	1,743	2,018
LEADVILLE/ARKANSAS RIVER RECOVERY PROJECT	---	30,000	30,000	---	30,000	30,000
MANCOS PROJECT	100	678	778	100	678	778
NARROWS UNIT, P-SMBP	---	30	30	---	30	30
PARADOX VALLEY UNIT, CRBSCP, TITLE II	1,080	2,967	4,047	1,080	2,967	4,047
PINE RIVER PROJECT	120	295	415	120	295	415
SAN LUIS VALLEY PROJECT, CLOSED BASIN	118	2,832	2,950	118	2,832	2,950
SAN LUIS VALLEY PROJECT, CONEJOS DIVISION	9	20	29	9	20	29
UNCOMPAHGRE PROJECT	708	150	858	708	150	858
UPPER COLORADO RIVER OPERATIONS PROGRAM	729	---	729	729	---	729
IDAHO						
BOISE AREA PROJECTS	2,642	2,409	5,051	2,642	2,409	5,051
COLUMBIA AND SNAKE RIVER SALMON RECOVERY PROJECT	16,000	---	16,000	16,000	---	16,000
LEWISTON ORCHARDS PROJECT	1,476	20	1,496	1,476	20	1,496
MINIDOKA AREA PROJECTS	2,037	3,151	5,188	2,037	3,151	5,188
PRESTON BENCH PROJECT	14	47	61	14	47	61
KANSAS						
ALMENA UNIT, P-SMBP	41	438	479	41	438	479
BOSTWICK UNIT, P-SMBP	211	887	1,098	211	887	1,098
CEDAR BLUFF UNIT, P-SMBP	13	497	510	13	497	510
GLEN ELDER UNIT, P-SMBP	104	1,147	1,251	104	1,147	1,251
KANSAS RIVER UNIT, P-SMBP	---	100	100	---	100	100

**WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)**

	BUDGET REQUEST			FINAL BILL		
	RESOURCES	FACILITIES	TOTAL	RESOURCES	FACILITIES	TOTAL
	MANAGEMENT	OM&R		MANAGEMENT	OM&R	
KIRWIN UNIT, P-SMBP	14	371	385	14	371	385
WEBSTER UNIT, P-SMBP	11	17,457	17,468	11	17,457	17,468
WICHITA PROJECT - CHENEY DIVISION	36	352	388	36	352	388
MONTANA						
CANYON FERRY UNIT, P-SMBP	188	5,126	5,314	188	5,126	5,314
EAST BENCH UNIT, P-SMBP	162	646	808	162	646	808
FORT PECK RESERVATION / DRY PRAIRIE RURAL WATER SYSTEM	2,431	---	2,431	2,431	---	2,431
HELENA VALLEY UNIT, P-SMBP	52	238	290	52	238	290
HUNGRY HORSE PROJECT	---	476	476	---	476	476
HUNTLEY PROJECT	38	57	95	38	57	95
LOWER MARIAS UNIT, P-SMBP	86	2,186	2,272	86	2,186	2,272
LOWER YELLOWSTONE PROJECT	699	23	722	699	23	722
MILK RIVER PROJECT	400	3,051	3,451	400	3,051	3,451
MISSOURI BASIN O&M, P-SMBP	1,030	110	1,140	1,030	110	1,140
ROCKY BOYS/NORTH CENTRAL MT RURAL WATER SYSTEM	1,984	---	1,984	1,984	---	1,984
SUN RIVER PROJECT	107	398	505	107	398	505
YELLOWTAIL UNIT, P-SMBP	105	8,495	8,600	105	8,495	8,600
NEBRASKA						
AINSWORTH UNIT, P-SMBP	59	98	157	59	98	157
FRENCHMAN-CAMBRIDGE UNIT, P-SMBP	139	1,788	1,927	139	1,788	1,927
MIRAGE FLATS PROJECT	10	74	84	10	74	84
NORTH LOUP UNIT, P-SMBP	90	159	249	90	159	249
NEVADA						
LAHONTAN BASIN PROJECT	4,992	4,401	9,393	4,992	4,401	9,393
LAKE TAHOE REGIONAL DEVELOPMENT PROGRAM	115	---	115	115	---	115
LAKE MEAD/LAS VEGAS WASH PROGRAM	595	---	595	595	---	595

MS

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
NEW MEXICO						
CARLSBAD PROJECT	2,108	1,342	3,450	2,108	1,342	3,450
MIDDLE RIO GRANDE PROJECT	12,461	10,121	22,582	12,461	10,121	22,582
RIO GRANDE PROJECT	2,153	11,668	13,821	2,153	11,668	13,821
RIO GRANDE PUEBLOS PROJECT	68	---	68	68	---	68
TUCUMCARI PROJECT	15	5	20	15	5	20
NORTH DAKOTA						
DICKINSON UNIT, P-SMBP	---	564	564	---	564	564
GARRISON DIVERSION UNIT, P-SMBP	7,666	12,199	19,865	7,666	12,199	19,865
HEART BUTTE UNIT, P-SMBP	10	969	979	10	969	979
OKLAHOMA						
ARBUCKLE PROJECT	39	203	242	39	203	242
MCGEE CREEK PROJECT	20	826	846	20	826	846
MOUNTAIN PARK PROJECT	31	600	631	31	600	631
NORMAN PROJECT	77	360	437	77	360	437
WASHITA BASIN PROJECT	54	1,091	1,145	54	1,091	1,145
W.C. AUSTIN PROJECT	39	503	542	39	503	542
OREGON						
CROOKED RIVER PROJECT	444	420	864	444	420	864
DESCHUTES PROJECT	420	261	681	420	261	681
EASTERN OREGON PROJECTS	772	567	1,339	772	567	1,339
KLAMATH PROJECT	13,079	3,040	16,119	13,079	3,040	16,119
ROGUE RIVER BASIN PROJECT, TALENT DIVISION	1,801	1,055	2,856	1,801	1,055	2,856
TUALATIN PROJECT	283	303	586	283	303	586
UMATILLA PROJECT	388	2,877	3,265	388	2,877	3,265

157

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
SOUTH DAKOTA						
ANGOSTURA UNIT, P-SMBP	30	968	998	30	968	998
BELLE FOURCHE UNIT, P-SMBP	376	841	1,217	376	841	1,217
KEYHOLE UNIT, P-SMBP	---	567	567	---	567	567
LEWIS AND CLARK RURAL WATER SYSTEM	100	---	100	100	---	100
MID-DAKOTA RURAL WATER PROJECT	---	15	15	---	15	15
MNI WICONI PROJECT	---	13,101	13,101	---	13,101	13,101
OAHE UNIT, P-SMBP	---	110	110	---	110	110
RAPID VALLEY PROJECT	---	71	71	---	71	71
RAPID VALLEY UNIT, P-SMBP	---	199	199	---	199	199
SHADEHILL UNIT, P-SMBP	1	501	502	1	501	502
TEXAS						
BALMORHEA PROJECT	22	10	32	22	10	32
CANADIAN RIVER PROJECT	40	82	122	40	82	122
LOWER RIO GRANDE WATER CONSERVATION PROGRAM	50	---	50	50	---	50
NUECES RIVER PROJECT	54	921	975	54	921	975
SAN ANGELO PROJECT	24	571	595	24	571	595
UTAH						
HYRUM PROJECT	95	228	323	95	228	323
MOON LAKE PROJECT	21	101	122	21	101	122
NEWTON PROJECT	65	120	185	65	120	185
OGDEN RIVER PROJECT	165	196	361	165	196	361
PROVO RIVER PROJECT	1,462	906	2,368	1,462	906	2,368
SANPETE PROJECT	29	50	79	29	50	79
SCOFIELD PROJECT	313	128	441	313	128	441
STRAWBERRY VALLEY PROJECT	858	70	928	858	70	928
WEBER BASIN PROJECT	1,409	1,119	2,528	1,409	1,119	2,528
WEBER RIVER PROJECT	1,698	134	1,832	1,698	134	1,832

250

**WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)**

	BUDGET REQUEST			FINAL BILL		
	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL	RESOURCES MANAGEMENT	FACILITIES OM&R	TOTAL
WASHINGTON						
COLUMBIA BASIN PROJECT	5,296	15,367	20,663	5,296	15,367	20,663
WASHINGTON AREA PROJECTS	381	84	465	381	84	465
YAKIMA PROJECT	1,311	6,001	7,312	1,311	6,001	7,312
YAKIMA RIVER BASIN WATER ENHANCEMENT PROJECT	10,760	---	10,760	10,760	---	10,760
WYOMING						
BOYSEN UNIT, P-SMBP	154	2,256	2,410	154	2,256	2,410
BUFFALO BILL DAM, DAM MODIFICATION, P-SMBP	33	3,514	3,547	33	3,514	3,547
KENDRICK PROJECT	68	5,477	5,545	68	5,477	5,545
NORTH PLATTE PROJECT	57	1,484	1,541	57	1,484	1,541
NORTH PLATTE AREA, P-SMBP	72	5,526	5,598	72	5,526	5,598
OWL CREEK UNIT, P-SMBP	4	71	75	4	71	75
RIVERTON UNIT, P-SMBP	8	604	612	8	604	612
SHOSHONE PROJECT	34	942	976	34	942	976
SUBTOTAL, PROJECTS	189,289	358,724	548,013	189,289	358,724	548,013
REGIONAL PROGRAMS						
ADDITIONAL FUNDING FOR ONGOING WORK:						
RURAL WATER	---	---	---	117,368	---	117,368
FISH PASSAGE AND FISH SCREENS	---	---	---	11,400	---	11,400
WATER CONSERVATION AND DELIVERY	---	---	---	258,077	---	258,077
ENVIRONMENTAL RESTORATION OR COMPLIANCE	---	---	---	42,500	---	42,500
FACILITIES OPERATION, MAINTENANCE, AND REHABILITATION	---	---	---	---	4,000	4,000
COLORADO RIVER COMPLIANCE ACTIVITIES	21,400	---	21,400	---	---	---
COLORADO RIVER BASIN SALINITY CONTROL PROJECT, TITLE I	---	14,739	14,739	---	14,739	14,739
COLORADO RIVER BASIN SALINITY CONTROL PROJECT, TITLE II	10,000	---	10,000	10,000	---	10,000
COLORADO RIVER STORAGE PROJECT (CRSP), SECTION 5	3,153	6,848	10,001	3,153	6,848	10,001
COLORADO RIVER STORAGE PROJECT (CRSP), SECTION 8	3,078	---	3,078	3,078	---	3,078
COLORADO RIVER WATER QUALITY IMPROVEMENT PROJECT	740	---	740	740	---	740

05E

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES	FACILITIES	TOTAL	RESOURCES	FACILITIES	TOTAL
	MANAGEMENT	OM&R		MANAGEMENT	OM&R	
DAM SAFETY PROGRAM:						
DEPARTMENT OF THE INTERIOR DAM SAFETY PROGRAM	---	1,300	1,300	---	1,300	1,300
INITIATE SAFETY OF DAMS CORRECTIVE ACTION	---	72,187	72,187	---	72,187	72,187
SAFETY EVALUATION OF EXISTING DAMS	---	19,284	19,284	---	19,284	19,284
EMERGENCY PLANNING & DISASTER RESPONSE PROGRAM	---	1,250	1,250	---	1,250	1,250
ENDANGERED SPECIES RECOVERY IMPLEMENTATION PROGRAM						
ENDANGERED SPECIES RECOVERY IMPLEMENTATION PROGRAM (Bureauwide)	2,500	---	2,500	2,500	---	2,500
ENDANGERED SPECIES RECOVERY IMPLEMENTATION PROGRAM (Platte River)	4,000	---	4,000	4,000	---	4,000
ENDANGERED SPEC RECOVERY IMPL PROG (Upper Colo & San Juan Riv Basins)	2,850	---	2,850	2,850	---	2,850
ENVIRONMENTAL PROGRAM ADMINISTRATION	1,523	---	1,523	1,523	---	1,523
EXAMINATION OF EXISTING STRUCTURES	---	9,349	9,349	---	9,349	9,349
GENERAL PLANNING ACTIVITIES	2,132	---	2,132	2,132	---	2,132
INDIAN WATER RIGHTS SETTLEMENTS:						
AAMODT LITIGATION SETTLEMENT	8,301	---	8,301	8,301	---	8,301
BLACKFEET SETTLEMENT	10,000	---	10,000	10,000	---	10,000
CROW TRIBE RIGHTS	12,772	---	12,772	12,772	---	12,772
NAVAJO GALLUP	66,182	3,000	69,182	66,182	3,000	69,182
LAND RESOURCES MANAGEMENT PROGRAM	10,060	---	10,060	10,060	---	10,060
LOWER COLORADO RIVER OPERATIONS PROGRAM	31,299	---	31,299	31,299	---	31,299
MISCELLANEOUS FLOOD CONTROL OPERATIONS	---	832	832	---	832	832
NATIVE AMERICAN AFFAIRS PROGRAM	11,685	---	11,685	11,685	---	11,685
NEGOTIATION & ADMINISTRATION OF WATER MARKETING	2,308	---	2,308	2,308	---	2,308
OPERATION & PROGRAM MANAGEMENT	922	1,707	2,629	922	1,707	2,629
POWER PROGRAM SERVICES	2,121	307	2,428	2,121	307	2,428
PUBLIC ACCESS AND SAFETY PROGRAM	646	206	852	646	206	852
RECLAMATION LAW ADMINISTRATION	2,078	---	2,078	2,078	---	2,078
RECREATION & FISH & WILDLIFE PROGRAM ADMINISTRATION	3,249	---	3,249	3,249	---	3,249
RESEARCH AND DEVELOPMENT:						
DESALINATION AND WATER PURIFICATION PROGRAM	1,475	1,150	2,625	18,850	1,150	20,000
SCIENCE AND TECHNOLOGY PROGRAM	11,014	---	11,014	17,500	---	17,500
SITE SECURITY ACTIVITIES	---	36,359	36,359	---	36,359	36,359
UNITED STATES/MEXICO BORDER ISSUES - TECHNICAL SUPPORT	80	---	80	80	---	80

159

WATER AND RELATED RESOURCES
(AMOUNTS IN THOUSANDS)

	BUDGET REQUEST			FINAL BILL		
	RESOURCES	FACILITIES	TOTAL	RESOURCES	FACILITIES	TOTAL
	MANAGEMENT	OM&R		MANAGEMENT	OM&R	
WATERSMART PROGRAM:						
WATERSMART GRANTS	10,000	---	10,000	55,000	---	55,000
WATER CONSERVATION FIELD SERVICES PROGRAM	1,750	---	1,750	4,179	---	4,179
COOPERATIVE WATERSHED MANAGEMENT	250	---	250	2,250	---	2,250
BASIN STUDIES	2,000	---	2,000	5,200	---	5,200
DROUGHT RESPONSES & COMPREHENSIVE DROUGHT PLANS	2,901	---	2,901	4,000	---	4,000
TITLE XVI WATER RECLAMATION & REUSE PROGRAM	3,000	---	3,000	63,617	---	63,617
SUBTOTAL, REGIONAL PROGRAMS	245,469	168,518	413,987	791,620	172,518	964,138
TOTAL, WATER AND RELATED RESOURCES	434,758	527,242	962,000	980,909	531,242	1,512,151

2516

Aamodt Litigation Settlement Act.—The agreement directs Reclamation to use funds on hand for this settlement to initiate construction of features necessary to prevent additional cost overruns.

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

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

Of the additional funding provided under the heading “Water Conservation and Delivery,” not less than \$20,000,000 shall be for construction activities related to projects found to be feasible by the Secretary and that are ready to initiate 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 “Water Conservation and Delivery,” \$20,000,000 shall be for water conservation activities in areas that are experiencing extended drought conditions. These water conservation activities shall include well construction and irrigation related structural or other measures, programs and projects that result in conservation of other surface water or groundwater, or improve water system efficiency, resiliency, reliability, delivery, and conveyance. Reclamation is directed to brief the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act on the status of carrying out these activities.

Of the additional funding provided under the heading “Environmental Restoration or Compliance,” not less than \$40,000,000 shall be for activities authorized under sections 4001 and 4010 of the WIIN Act (Public Law 114–322) or as set forth in federal-state plans for restoring threatened and endangered fish species affected by the operation of Reclamation’s water projects.

Funding associated with each category may be allocated to any eligible study or project, as appropriate, within that category; funding associated with each subcategory may be allocated only to eligible studies or projects, as appropriate, within that subcategory.

Not later than 45 days after enactment of this Act, Reclamation shall provide to the Committees on Appropriations of both Houses of Congress 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; all authorized rural water projects, including those with tribal components, those with non-tribal components, and those with both; aquifer recharging efforts to address the ongoing backlog of related projects; 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; and activities authorized under section 206 of Public Law 113–235.

Aquifer Storage and Recovery.—Of the funds provided in this account above the budget request, not less than \$10,000,000 shall be for Aquifer Storage and Recovery projects focused on ensuring sustainable water supplies and protecting water quality with shared or multi-use aquifers, including municipal, agricultural irrigation, industrial, recreation, and domestic users.

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 (Public Law 114–322).

WaterSMART Program: Title XVI Water Reclamation & Reuse Program.—Of the funding provided for this program, \$20,000,000 shall be for water recycling and reuse projects as authorized in section 4009(c) of the WIIN Act (Public Law 114–322). Reclamation is reminded that Aquifer Storage and Recovery projects such as those cited in Reclamation’s section 4009(c) Feasibility Study Review Findings dated September 2018 are eligible to compete for funding in this program.

CALFED Water Storage Feasibility Studies.—The agreement includes Senate language.

Pick-Sloan Ability-to-Pay.—Concerns persist that more than 30 Pick-Sloan irrigation districts served by Reclamation may experience significant financial impacts should Reclamation move forward with the proposal to change the eligibility requirements for the program related to user’s ability to pay. Reclamation shall review the Pick-Sloan Missouri Basin Program authorizing legislation and brief the Committees on Appropriations of both Houses of Congress on its findings, including the extent to which Congress authorized relief from operation maintenance, and replacement costs for project use power in that program based on an irrigation district’s ability to pay, how that authority has been applied over time, and the impacts of the currently proposed changes. For federal projects, Reclamation is directed to continue to consider irrigation district ability to pay consistent with the original intent of Congress and the 1944 Flood Control Act.

Rural Water Projects.—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.

Buried Metallic Water Pipe.—Reclamation shall continue following its temporary design guidance.

CENTRAL VALLEY PROJECT RESTORATION FUND

The agreement provides \$54,849,000 for the Central Valley Project Restoration Fund. *Anadromous Fish Screen Program.*—The agreement includes House direction regarding the Anadromous Fish Screen Program.

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 \$60,000,000 for Policy and Administration.

Reclamation Project Reimbursability Decisions.—In September 2017, the Department of the Interior’s Office of Inspector General released a report calling into question the transparency of Reclamation’s financial participation in the State of California’s Bay-Delta Conservation Plan. Although Reclamation disputed several findings and recommendations in the report, Reclamation has taken steps to update its current practices and internal guidelines to better align with report recommendations. Reclamation is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 10 days after enactment of this Act or after finalizing these updates, written copies of the relevant documents, and not later than February 29, 2020, a list of instances of redirecting appropriated funds from the intended purpose outlined in the previous year’s budget request.

Concerns remain regarding administrative delays and excessive review times in the award and implementation of financial assistance agreement funding. Reclamation is urged to address factors related to these issues, including lags in completing contracts, in a timely and efficient manner.

ADMINISTRATIVE PROVISION

The agreement includes a provision limiting Reclamation to purchase not more than five 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.

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 Claims Resolution Act of 2010.

TITLE III—DEPARTMENT OF ENERGY

The agreement provides \$38,586,316,000 for the Department of Energy to fund programs in its primary mission areas of science, energy, environment, and national security.

The Department shall not use any equipment, system, or service that uses telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities) or services as a substantial or essential component of any system; or as critical technology as part of any system; or maintain a contract with an entity that uses any equipment, system, or service that uses telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities) or services as a substantial or essential component of any system; or as critical technology as part of any system.

Working Capital Fund.—The agreement includes House report language regarding the Working Capital Fund.

Research and Development Policy.—The Department is directed to maintain a diverse portfolio of early-, mid-, and late-stage research, development, and market transformation activities in each applied energy research and development program office. The Department is further directed to fully execute the funds appropriated in a timely manner and to keep the Committees on Appropriations of both Houses of Congress apprised of progress in implementing funded programs, projects, and activities.

U.S. Energy Employment Report.—The agreement only includes language in the Departmental Administration account.

Nonprofit Foundation.—The agreement only includes language in the Departmental Administration account.

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 on Appropriations of both Houses of Congress.

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.

ENERGY PROGRAMS
ENERGY EFFICIENCY AND RENEWABLE ENERGY
(INCLUDING RESCISSION OF FUNDS)

The agreement provides \$2,848,000,000 for Energy Efficiency and Renewable Energy. The agreement also includes a rescission of \$58,000,000 of unused funds previously appropriated under the Defense Production Act for biorefinery construction for a net appropriation of \$2,790,000,000.

Staffing.—The Department is directed to report to the Committees on Appropriations of both Houses of Congress not later than 30 days after enactment of this Act with a plan for reaching a staffing level of 675 to 700 full-time equivalents by the end of fiscal year 2020. Furthermore, not more than 50 percent of Working Capital Fund costs shall be paid out of the Program Direction account.

Workforce Development.—Within available funds, the agreement provides \$20,000,000 to partner with a land grant university to pursue leading-edge interdisciplinary research that promotes workforce development in emerging fields by supporting a coordinated expansion of existing joint graduate education programs with national laboratories to prepare the next generation of scientists and engineers.

SUSTAINABLE TRANSPORTATION

Vehicle Technologies.—Within available funds, the agreement includes not less than \$174,700,000 for Battery and Electrification Technologies. The agreement provides not less than \$40,000,000 for electric drive research and development, of which not less than \$7,000,000 is to enable extreme fast charging and advanced battery analytics. Funding within Battery and Electrification Technologies shall also support research and development leading to improved methods for processing and integrating advanced metals into both lightweight structures and powertrain systems.

The agreement provides \$45,000,000 for Energy Efficient Mobility Systems and \$40,000,000 for Materials Technology. Within Materials Technology, \$32,500,000 is for early-stage research on multi-material joining and propulsion materials at the national laboratories and carbon fiber-reinforced composites at the Carbon Fiber Technology Facility. The agreement provides \$70,000,000 for Advanced Engine and Fuel Technologies.

Within available funds, the agreement provides \$66,300,000 for Outreach, Deployment, and Analysis. Within this amount, \$40,000,000 is for deployment through the Clean Cities Program. Within Outreach, Deployment, and Analysis, but outside of the Clean Cities Program, \$20,000,000 is for up to five competitive grant awards to develop Electric Vehicle Community Partner Projects.

Within available funds, up to \$5,000,000 is to support research and development on two-stroke opposed piston engines to be conducted by industry-led teams.

Bioenergy Technology.—Within available funds, the agreement includes \$40,000,000 for feedstock supply and logistics, of which not less than \$5,000,000 is for upgrades at the Biomass Feedstock National User Facility.

Within available funds, not less than \$40,000,000 is provided for Advanced Algal Systems.

The agreement provides \$9,500,000 for Analysis and Sustainability.

Within funding available for Demonstration and Market Transformation, not less than \$45,000,000 is provided to support the multi-year strategy for pre-pilot, pilot, and demonstration projects.

The agreement provides \$110,000,000 for Conversion Technologies.

The agreement provides \$10,000,000 to continue efforts to make full and innovative use of biomass, municipally-derived biosolids, and other carbon already available and impacting the environment, such as municipal solid waste, plastics, and livestock waste.

Within available funds, not less than \$10,000,000 is for a multi-university partnership to conduct research and enhance educational programs that improve alternative energy production derived from urban and suburban wastes. The Department is directed to collaborate with institutions in Canada and Mexico to leverage capacity and capitalize on North American resources.

Hydrogen and Fuel Cell Technologies.—Within available funds, the agreement provides \$7,000,000 to enable integrated energy systems using high- and low-temperature electrolyzers with the intent of advancing the H2@Scale concept and \$10,000,000 to cost share the Office of Nuclear Energy hydrogen demonstration project. Within Technology Acceleration funds, \$5,000,000 is for industry-led manufacturing.

The agreement provides \$45,000,000 for Hydrogen Fuel Research and Development; \$25,000,000 for Hydrogen Infrastructure R&D; and \$10,000,000 for safety, codes, and standards.

RENEWABLE ENERGY

Solar Energy.—The agreement provides \$60,000,000 for Concentrating Solar Power research and development, \$72,000,000 for Photovoltaic R&D, \$50,000,000 for Systems Integration, and \$60,000,000 for Innovations in Manufacturing Competitiveness.

Within Balance of Systems Soft Costs, \$1,000,000 is for the Solar Ready Vets program and \$5,000,000 is for the National Community Solar Partnership program.

The Department is directed to issue two funding opportunity announcements. The first announcement shall be for \$20,000,000 to improve photovoltaic cell technologies, including thin-film solar cell technologies and cadmium telluride solar cell technologies, and to overcome grid integration challenges and reduce the costs of solar adoption. The second announcement shall be for \$20,000,000 focused on perovskite research, including inherently scalable production methods such as solution processing, roll-to-roll manufacturing, the science of inherent material stability, and ultrahigh efficiency through tandem manufacturing.

Wind Energy.—The agreement provides \$31,800,000 for Land-Based Wind, \$52,500,000 for Off-Shore Wind, and \$9,700,000 for Grid Integration and Analysis.

Within available funds, \$10,000,000 is for distributed wind technologies.

The agreement provides not less than \$10,000,000 for a competitively awarded solicitation for additional project development for offshore wind demonstration projects.

Water Power.—The agreement provides \$109,000,000 for marine and hydrokinetic technologies. The agreement supports research and development, testing, and partnership activities for the Powering the Blue Economy Initiative within available funds. Within funding for marine and hydrokinetic technologies, \$40,000,000 is provided for competitive grants to support industry- and university-led projects to validate the performance, reliability, maintainability, environmental impact, and cost of marine energy technology components, devices, and systems at a variety of scales, including full scale prototypes. Awards shall support a balanced portfolio of marine and hydrokinetic technologies. Awards shall support wave, ocean current, tidal, and in-river energy conversion components and systems across the high-and low-technology readiness spectrum to increase energy capture, reliability, survivability, and integration into local or regional grids for lower costs and to assess and monitor environmental effects. Within funds for competitive solicitations, not more than \$10,000,000 is for the Testing Expertise and Access for Marine Energy Research Program.

Within available funds, \$10,000,000 is provided to address infrastructure needs at marine energy technology testing sites.

The agreement provides \$26,000,000 under 42 U.S.C. 16352(b)(4) for the open-water wave energy test facility. Not later than 60 days after enactment of this Act, the Department shall brief the Committees on Appropriations of both Houses of Congress on its plan for completing the wave energy test facility and funding its operations thereafter.

The agreement provides not less than \$5,000,000 to establish an Atlantic Marine Energy Center.

The agreement provides \$39,000,000 for conventional hydropower, of which \$7,000,000 is for section 242 of the Energy Policy Act of 2005.

Geothermal Technologies.—The agreement provides \$69,000,000 for Enhanced Geothermal Systems. The agreement provides \$20,000,000 for the Frontier Observatory for Research in Geothermal Energy (FORGE), with activities to include ongoing novel subsurface characterization, full-scale well drilling, and technology research and development to accelerate the commercial pathway to large-scale enhanced geothermal systems power generation. Not later than 60 days after enactment of this Act, the Department shall provide to the Committees on Appropriations of both Houses of Congress a briefing on the current status, research agenda, use by outside entities, and decommissioning plans for FORGE.

Within available funds, \$10,000,000 is provided to fund at least one demonstration project in an area with no obvious surface expression. The Department is further directed to fund at least one demonstration of geothermal technologies for innovative distribution of heat through ground-source heating and cooling of district heating.

ENERGY EFFICIENCY

Advanced Manufacturing.—The agreement provides \$25,000,000 for the Energy-Water Desalination Hub and \$25,000,000 for the Manufacturing Demonstration Facility (MDF) and the Carbon Fiber Technology Facility. Within available funds for MDF, \$5,000,000 is provided for the development of additive systems and automation technologies.

Within available funds, the agreement supports funding for Advanced Manufacturing Research and Development.

The agreement provides \$20,000,000 for process-informed science, design, and engineering materials and devices in harsh environments, including nuclear environments, and \$5,000,000 for dynamic catalyst science coupled with data analytics.

The agreement provides \$45,000,000 for Industrial Technical Assistance. Within available funds, the agreement provides \$12,000,000 for Combined Heat and Power (CHP) Technical Assistance Partnerships (TAPs), including \$5,000,000 for the TAPs and \$7,000,000 for CHP activities; \$10,000,000 for a voluntary technical assistance initiative to assist energy intensive manufacturing facilities and Senate direction on the prioritization of assistance and outreach to manufacturing facilities; \$12,000,000 for 32 Industrial Assessment Centers; and \$5,000,000 for wastewater treatment technical assistance and House direction regarding the Department's briefing to the Committees on Appropriations of both Houses of Congress on the plan to expand technical assistance in this area.

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 alternative energy sources, as appropriate.

The agreement provides up to \$10,000,000 for the issuance of a competitive solicitation for university or industry-led teams to improve the efficiency of industrial drying processes and foster new and innovative drying technologies.

The agreement provides \$4,000,000 for additive manufacturing work on large wind blades that will allow for rapid prototyping, tooling, fabrication, and testing.

The agreement provides \$10,000,000 for district energy, within which the Department shall make grants to support demonstration projects that deploy community district energy projects in association with a renewably-fueled municipal generating station.

Building Technologies.—The agreement provides \$40,000,000 for Residential Buildings Integration, \$50,000,000 for Commercial Buildings Integration, and \$140,000,000 for Building Energy R&D referred to as Emerging Technologies in the Senate report.

Within available funds, \$25,000,000 is provided for solid-state lighting. If the Secretary finds solid-state lighting technology eligible for the Twenty-First Century Lamp prize, specified under section 655 of the Energy Independence and Security Act of 2007, \$5,000,000 shall be made available to fund the prize or additional projects for solid-state lighting research and development.

The agreement provides \$55,000,000 for Equipment and Building Standards. Within Equipment and Building Standards, not less than \$10,000,000 is for Building Energy Codes.

Federal Energy Management Program.—The agreement provides \$2,000,000 to establish a Performance-Based Contract National Resource Collaborative Initiative. Reports directed by the House and Senate shall be provided not later than 120 days after enactment of this Act. The agreement provides \$11,000,000 for the Assisting Federal Facilities with Energy Conservation Technologies program.

Weatherization and Intergovernmental Program.—Within available funds, the agreement provides \$500,000 for technical assistance to continue the Sustainable Wastewater Infrastructure of the Future Accelerator.

Strategic Programs.—The agreement provides \$3,000,000 for the Energy Transition Initiative.

CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE

The agreement provides \$156,000,000 for Cybersecurity, Energy Security, and Emergency Response.

The agreement includes the proposed movement of the energy delivery system testing and analysis laboratory initiative from Cybersecurity for Energy Delivery Systems (CEDS) to Infrastructure Security and Energy Restoration (ISER).

Within available funds for CEDS, the agreement provides \$10,000,000 for Consequence-driven Cyber-informed Engineering, \$10,000,000 for the DarkNet project, and \$30,000,000 for the Advanced Threat Mitigation initiative. Within available funds for CEDS, \$4,000,000 is provided 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. Within available funds for CEDS, the Department is directed to provide \$6,000,000 to continue to develop and deploy cyber and cyber-physical solutions for distribution and municipal utility companies.

ELECTRICITY

The agreement provides \$190,000,000 for Electricity.

Within Transmission Reliability, the agreement provides not less than \$5,000,000 for the Grid Research Integration and Demonstration Center.

Within Resilient Distribution Systems, the agreement provides not less than \$10,000,000 for the COMMANDER (Coordinated Management of Microgrids and Networked Distributed Energy Resources) National Test Bed Laboratory.

Within Energy Storage, the agreement provides not less than \$5,000,000 for battery storage projects that meet the following criteria: are located in areas where grid capacity constraints result in curtailment of existing renewable wind energy generation; improve grid resilience for a public utility that is

regularly affected by weather-related natural disasters; and provide rate reduction and renewable energy benefits to businesses, farms, and residents in an economically-stressed rural area.

NUCLEAR ENERGY

The agreement provides \$1,493,408,000 for Nuclear Energy. The following is the only direction for Nuclear Energy.

The agreement includes additional control points for fiscal year 2020, and the Department is directed to submit its fiscal year 2021 budget request using this budget structure.

The fiscal year 2018 Act directed the Department to provide to the Committees on Appropriations of both Houses of Congress a report detailing all current programs and projects within the Office of Nuclear Energy, whether the Department plans to continue to support each program or project, and the expected out-year funding through completion of the program or project. The Committees are still awaiting this report, and the Department is directed to provide this report not later than 30 days after enactment of this Act. The Department may provide a briefing in lieu of a report, after consultation with the Committees.

Nuclear Energy University Program (NEUP).—Since 2009, the Department has allocated up to 20 percent of funds appropriated to Nuclear Energy Research and Development programs to fund university-led R&D and university infrastructure projects through an open, competitive solicitation process using formally certified peer reviewers. The Department is directed to continue this practice, with not less than \$40,000,000 for R&D activities performed at U.S. colleges and universities. The Department is directed to provide to the Committees on Appropriations of both Houses of Congress quarterly briefings on the status of NEUP and the university work being funded.

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

NUCLEAR ENERGY ENABLING TECHNOLOGIES

Crosscutting Technology Development.—The agreement provides \$10,000,000 for hybrid integrated energy systems and not less than \$7,000,000 for work on advanced sensors and instrumentation.

Nuclear Science User Facilities.—The agreement provides \$10,000,000 for nuclear energy computation system and support, \$3,000,000 for the Nuclear Materials Discovery and Qualification initiative, and not less than \$3,000,000 to update the Nuclear Fuels and Materials Library.

Joint Modeling and Simulation Program.—The Department is directed to manage the Energy Innovation Hub for Modeling and Simulation and the Nuclear Energy Advanced Modeling and Simulation Program as a single integrated program called the Joint Modeling and Simulation Program.

FUEL CYCLE RESEARCH AND DEVELOPMENT

Mining, Conversion, and Transportation.—The Department is directed to contract not later than 60 days after enactment of this Act with a Federally-Funded Research and Development Center (FFRDC) or other independent organization to work with industry to identify key challenges in reconstituting mining and conversion capabilities in the United States. The FFRDC or independent organization shall provide a report of its findings and recommendations directly to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act.

The Department is directed to establish a team of experts across the national laboratories and industry to evaluate the anticipated demand for high-assay low-enriched uranium (HALEU) and the timing of that demand, and evaluate the options for meeting that demand. A report of the team's findings and recommendations shall be provided directly to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act.

The Department is directed to contract with a company experienced in shipping nuclear materials to identify key challenges in shipping HALEU. The company shall provide a report of its findings and recommendations directly to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act.

The Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act a report that identifies any statutory, regulatory, and Departmental policy or procedural restrictions that would prevent or inhibit the Department from implementing public-private partnerships modeled after the National Aeronautics and Space Administration (NASA) Commercial Orbital Transportation System (COTS) experience. The report shall also specifically describe a payment-for-milestones approach to uranium enrichment capability development, similar to how NASA partnered with private companies in its COTS program.

Material Recovery and Waste Form Development.—The agreement provides not less than \$8,000,000 for EBR-II Processing for HALEU.

Accident Tolerant Fuels.—The agreement provides \$55,600,000 to continue the participation of three industry-led teams in Phase 2B of the cost-shared research and development program; \$20,000,000 to support accident tolerant fuels development at the national laboratories and other facilities, including the Advanced Test Reactor and Transient Reactor Test Facility; \$15,000,000 for testing, code development, and licensing of higher-enriched and higher burnup fuels; and \$5,000,000 for development of silicon-carbide ceramic matrix composite cladding to be used in light water reactors. The Department shall award funding for silicon-carbide ceramic matrix composite cladding to individual participants within the industry-led teams that have demonstrated fabrication expertise in silicon-carbide composites for nuclear fuel and have the expertise to scale-up to quantities that could support the current fleet.

Fuel Cycle Laboratory R&D.—Within available funds, the Department is directed to pursue research and development for the use of innovative process control capabilities to support closed nuclear fuel cycles for advanced reactors.

Used Nuclear Fuel Disposition R&D.—Within available funds, the Department is directed to study the behavior of spent fuel under transportation conditions and opportunities to improve safety of spent fuel rods during transportation.

The Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act a report on innovative options for disposition of high-level waste and spent nuclear fuel management. Priority should be given to technological options that are cost-effective, are able to be implemented in the short term, and consider siting stakeholder engagement. The Department is encouraged to use research and development funding for innovative technological options.

The National Academies of Sciences, Engineering, and Medicine is directed to evaluate the merits and viability of different nuclear fuel cycles and technology options, including both existing and future technologies. The evaluation must account for linkages among all elements of the fuel cycle (including waste transportation, storage, and disposal) and for broader safety, security, and non-proliferation concerns.

The Department is directed to contract with the National Academy of Sciences (NAS) not later than 60 days after enactment of this Act to conduct a comprehensive, independent study on the waste aspects of advanced reactors. The NAS shall convene a committee whose members have expertise in advanced nuclear reactors, nuclear waste disposal, reprocessing, economics, and other areas of expertise that the NAS considers essential for completion of the study. Also, the NAS committee's consensus study report shall provide findings and recommendations that may consider policy options as long as those do not involve non-technical value judgements. The study's assessment shall include typical volumes and characteristics of waste streams from various proposed advanced nuclear reactor technologies, including radioisotopes of concern, radioactivity level, and thermal load. Advanced reactor technologies shall include the designs under consideration by the Generation IV International Forum and by the Department of Energy. The study shall also address unique disposal or storage requirements for these wastes and shall address the impact of possible reprocessing of spent nuclear fuel on waste generation. In addition, the study shall examine the economics of the possible waste disposal systems that could be required for the advanced reactors. The study shall be submitted to the Committees on Appropriations of both Houses of Congress not later than 20 months after enactment of this Act.

The Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act a report on new electromagnetic technologies for the neutralization of radioactive wastes, including an evaluation of the scientific basis for the technology, potential effects on U.S. nuclear waste and storage, potential benefits to the nuclear power industry, and any implications for nuclear security.

REACTOR CONCEPTS RESEARCH AND DEVELOPMENT

Advanced Small Modular Reactor R&D.—The agreement provides \$10,000,000 for the Joint Use Modular Program.

Light Water Reactor Sustainability.—The agreement provides \$11,000,000 for a hydrogen production demonstration.

Advanced Reactor Technologies.—The agreement provides \$20,000,000 for a new solicitation for at least two new public-private partnerships focused on advancing reactor designs towards demonstration phase, \$20,000,000 for MW-scale reactor research and development, and \$15,000,000 for Advanced Reactor Laboratory R&D.

Versatile Advanced Test Reactor.—The agreement provides \$65,000,000 for the Versatile Advanced Test Reactor, only for activities to support completion of CD-1. The Department is directed to provide to the Committees on Appropriations of both Houses of Congress the CD-1 documentation immediately following the Department's approval of CD-1 for the Versatile Advanced Test Reactor.

ADVANCED REACTOR DEMONSTRATION PROGRAM

The agreement provides \$230,000,000 for the Advanced Reactor Demonstration Program to demonstrate multiple advanced reactor designs. Any entity other than a national laboratory that receives fiscal year 2020 funds of more than \$200,000 under the Advanced Small Modular Reactor R&D program is not eligible to receive fiscal year 2020 funds from within the Advanced Reactor Demonstration Program.

The primary goal of this new program is to focus Department and non-federal resources on actual construction of real demonstration reactors that are safe and affordable (to build and operate) in the near- and mid-term. The Department is directed to streamline its procurement process and act aggressively to ensure implementation of this program is not delayed. The Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 30 days after enactment of this Act a briefing on the schedule and milestones for this program.

National Reactor Innovation Center.—The agreement provides \$20,000,000 for the National Reactor Innovation Center to support testing, demonstration, and performance assessment to accelerate deployment of advanced reactors.

Advanced Reactor Demonstrations.—Not later than 30 days after enactment of this Act, the Secretary shall request proposals to build two demonstration advanced reactors. The agreement provides \$160,000,000 for the first year of the two demonstrations, and the Department is directed to provide specific out-year cost profiles for each demonstration in future budget requests. The cost share for each demonstration project shall be up to 50 percent from the Department and not less than 50 percent from non-federal sources. For purposes of this program, an advanced reactor can be any light water or non-light water fission reactor with significant improvements compared to the current generation of operational reactors. Significant improvements may include inherent safety features, lower waste yields, greater fuel utilization, superior reliability, resistance to proliferation, increased thermal efficiency, and the ability to integrate into electric and nonelectric applications. For purposes of this program, a demonstration can be an advanced reactor operated as part of the power generation facilities of an electric utility system or in any other

manner for the purpose of demonstrating the suitability for commercial application of the advanced nuclear reactor.

The Secretary is directed to convene an evaluation board to review the proposals and recommend the best proposals to the Secretary based on the following criteria: (1) technical feasibility that the demonstration can be operational in five to seven years; (2) likelihood that the design can be licensed for safe operations by the Nuclear Regulatory Commission; (3) use of certified fuel design or demonstration of a clear path to certification within five to seven years; (4) affordability of the design for full-scale construction and cost of electricity generation; (5) ability of the team to provide its portion of the cost share; and (6) technical abilities and qualifications of teams desiring to demonstrate a proposed advanced nuclear reactor technology. The evaluation board should consider diversity in designs for the advanced nuclear reactors to be demonstrated and must provide the Secretary with a recommendation of which two proposals best meet these criteria within 30 days of receipt of the proposals. The Secretary is directed to contract with the recommended teams unless the Secretary certifies that such a selection is not in the national interest.

The Secretary is directed to ensure the evaluation board has the following members, in addition to any members the Secretary selects: (1) a representative from an electric utility that operates a nuclear power plant; (2) a representative from an entity that uses high-temperature process heat, district heating, hydrogen production, or heat for manufacturing, industrial processing, or other purposes; (3) experts from industry with experience in design, manufacturing, and operation of nuclear reactors; and (4) a representative from the finance industry with background in the nuclear field.

Risk Reduction for Future Demonstrations.—The agreement provides \$30,000,000 for Risk Reduction for Future Demonstrations. The Secretary is directed to select two to five teams that were not selected as one of the two Advanced Reactor Demonstrations and that represent a diversity in designs of the advanced nuclear reactors to enter into cost-share agreements to address technical risks in each proposal's reactor design. The cost share for this work shall be up to 80 percent from the Department and not less than 20 percent from non-federal sources.

Regulatory Development.—The agreement provides \$15,000,000 for Regulatory Development for the national laboratories to work with the Nuclear Regulatory Commission to identify and resolve technical challenges with licensing advanced reactors.

Advanced Reactors Safeguards.—The agreement provides \$5,000,000 for Advanced Reactors Safeguards to evaluate safeguards issues that are unique to advanced reactors.

INFRASTRUCTURE

INL Facilities Operations and Maintenance.—The Department is directed to brief the Committees on Appropriations of both Houses of Congress not later than 60 days after enactment of this Act on the funding levels required for operations and maintenance of activities at the Materials and Fuels Complex and Advanced Test Reactor. The briefing should include an accounting of how funds have been spent for

the previous three fiscal years and how funds will be spent for the current fiscal year. The briefing should also include information for the next four fiscal years on the funding levels required for optimal operations for each facility and funding levels required for multi-year infrastructure improvements.

Idaho Sitewide Safeguards and Security.—The agreement provides \$15,600,000 to construct a protective forces building at the Materials and Fuels Complex that will meet the needs for expanded protective force and security operations under the Department’s new Design Basis Threat but that will not exceed a total project cost of \$15,600,000.

FOSSIL ENERGY RESEARCH AND DEVELOPMENT

The agreement provides \$750,000,000 for Fossil Energy Research and Development.

The Department is directed to submit a report and provide a briefing to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act on the recommendations for program structures that could best support and maximize the impact of expanded research, development, and demonstration efforts in three areas: decarbonization of the industrial sector, direct air capture, and carbon use.

The agreement provides not less than \$20,000,000 for research and development of negative emissions technologies, including not less than \$10,000,000 for direct air capture.

Within available funds for Carbon Capture, \$4,000,000 is for research and optimization of carbon capture technologies for use at industrial facilities and not less than \$7,000,000 is for carbon capture research for natural gas power systems.

Within available funds for Carbon Storage, \$21,000,000 is for Carbon Use and Reuse.

Within available funds for Advanced Energy Systems, \$25,000,000 is for Advanced Turbines and \$30,000,000 is for Advanced Coal Processing, of which not less than \$10,000,000 is for utilizing coal as a precursor for high-value added products at the Carbon Fiber Technology Facility.

The Department is directed to issue a funding opportunity announcement for \$30,000,000 for Solid Oxide Fuel Cells that includes all topic areas as outlined in the recommendations of the Department’s August 2019 Report on the Status of the Solid Oxide Fuel Cell Program.

Within available funds for Cross Cutting Research, \$39,000,000 is for Plant Optimization Technologies, which includes materials R&D, water management R&D, and sensors and controls, and \$4,500,000 is for the Advanced Energy Storage Initiative.

Within available funds for NETL Coal Research and Development, not less than \$23,000,000 is for the recovery of rare earth elements and minerals from U.S. coal and coal byproduct sources.

Within available funds for Natural Gas Technologies Research, \$20,000,000 is for methane hydrate research; \$12,000,000 is for Emissions Mitigation from Midstream Infrastructure; \$6,000,000 is for Emissions Quantification from Natural Gas Infrastructure; and \$12,000,000 is for Environmentally Prudent Development, including not less than \$5,200,000 for the Risk Based Data Management System. The

Department is directed to focus on the long-term flow test on the Alaska North Slope and continue planning for hydrates resource characterization in the Gulf of Mexico.

Within Unconventional Fossil Energy Technologies, the Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act a report that outlines the Department's efforts to maintain a stable petroleum engineering workforce and knowledge base and future activities the Department can undertake to strengthen it.

The agreement provides \$50,000,000 for NETL Infrastructure, and the Department is directed to prioritize funds for Joule, the design and construction of a sensitive compartmented information facility, the Computational Science and Engineering Center, site-wide upgrades for safety, and addressing and avoiding deferred maintenance.

NAVAL PETROLEUM AND OIL SHALE RESERVES

The agreement provides \$14,000,000 for the operation of the Naval Petroleum and Oil Shale Reserves.

STRATEGIC PETROLEUM RESERVE

The agreement provides \$195,000,000 for the Strategic Petroleum Reserve. Funding above the budget request is to address facilities development and operations, including physical security and cavern integrity, and to maintain 1,000,000 barrels of gasoline blendstock in the Northeast Gasoline Supply Reserve. The agreement includes legislative language regarding a drawdown and sale of oil in fiscal year 2020 and use of those proceeds.

SPR PETROLEUM ACCOUNT

The agreement provides \$10,000,000 for the SPR Petroleum Account to pay for the costs of certain statutorily-mandated crude oil sales.

NORTHEAST HOME HEATING OIL RESERVE

The agreement provides \$10,000,000 for the Northeast Home Heating Oil Reserve.

ENERGY INFORMATION ADMINISTRATION

The agreement provides \$126,800,000 for the Energy Information Administration.

NON-DEFENSE ENVIRONMENTAL CLEANUP

The agreement provides \$319,200,000 for Non-Defense Environmental Cleanup.

Small Sites.—Within amounts for Small Sites cleanup, \$31,000,000 is to continue work at Lawrence Berkeley National Laboratory, \$18,200,000 is for the Energy Technology Engineering Center, \$12,800,000 is for Idaho National Laboratory, \$45,000,000 is for Moab, \$10,000,000 is for excess Office of Science facilities, and \$10,000,000 is for Oak Ridge activities.

Long Term Management and Storage of Elemental Mercury.—The agreement provides \$1,200,000 to comply with the Mercury Export Ban Act of 2008 (Public Law 110–414), as amended, regarding long-term management and storage of elemental mercury generated within the United States. The Mercury Export Ban Act of 2008 (MEBA) requires the Department to be reimbursed by waste generators of elemental mercury for the costs of providing such management and storage, including facility operation and maintenance, security, monitoring, reporting, personnel, administration, inspections, training, fire suppression, closure, and other costs required for compliance with applicable law.

URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND

The agreement provides \$881,000,000 for activities funded from the Uranium Enrichment Decontamination and Decommissioning Fund.

SCIENCE

The agreement provides \$7,000,000,000 for the Office of Science.

The Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act a plan that responds to the findings and recommendations in the Final Report of the Secretary of Energy Advisory Board Task Force on Biomedical Sciences. The plan shall include a reporting of successful collaborations between the Department and the National Institutes of Health to date and plans to expand on those efforts.

The agreement provides \$71,000,000 for Artificial Intelligence and Machine Learning for the six Office of Science programs to apply those capabilities to the Department's mission.

The agreement provides \$195,000,000 for Quantum Information Sciences across the Office of Science programs to advance early-stage fundamental research in this field of science, including \$120,000,000 to carry out a basic research program on quantum information science and \$75,000,000 for the establishment of up to five National Quantum Information Science Research Centers. To the greatest extent practical, this effort shall be undertaken in coordination with the National Science Foundation and the National Institute of Standards and Technology.

The agreement provides not less than \$10,000,000 and up to \$15,000,000 for research in memory advancements for accelerated architectures used to enhance Artificial Intelligence and Machine Learning. The Department is directed to develop a collaborative research program to produce breakthroughs for intelligent memory systems that will enhance the ability of the Department to cost effectively address the largest problems in science while keeping the United States as the leader in semiconductor technologies for advanced computing.

The agreement provides not less than \$20,000,000 in Basic Energy Sciences and Biological and Environmental Research for research and development of negative emissions technologies, including not less than \$5,000,000 for direct air capture.

Advanced Scientific Computing Research (ASCR).—Within available funds, \$150,000,000 is for the Argonne Leadership Computing Facility, \$225,000,000 is for the Oak Ridge Leadership Computing Facility, \$110,000,000 is for the National Energy Research Scientific Computing Center at Lawrence Berkeley National Laboratory, and \$90,000,000 is for ESnet. Within available funds, not less than \$39,000,000 is for Research and Evaluation Prototypes, of which not less than \$10,000,000 is for the Computational Science Graduate Fellowship program. The agreement provides not less than \$155,000,000 for Mathematical, Computational, and Computer Sciences Research.

Basic Energy Sciences (BES).—Within available funds, not less than \$15,000,000 and up to \$20,000,000 is for the Fuels from Sunlight Energy Innovation Hub. Within available funds, \$139,000,000 is for facilities operations of the Nanoscale Science Research Centers (NSRCs), \$525,000,000 is for facilities operations of the nation's light sources, \$292,000,000 is for facilities operations of the high flux neutron sources, and \$115,000,000 is for the Energy Frontier Research Centers. The agreement provides no direction for the DISCOVER Beamline. Within available funds, \$5,000,000 is for the NSRC Recapitalization project and \$5,500,000 is for the NEXT-II project.

Biological and Environmental Research (BER).—The agreement provides not less than \$391,000,000 for Biological Systems Science. Within available funds, not less than \$100,000,000 is for the four Bioenergy Research Centers; not less than \$40,000,000 is for Biomolecular Characterization and Imaging Science, of which not less than \$5,000,000 is to advance the study of complex biological systems and synthetic biology using neutrons; \$77,000,000 is for the Joint Genome Institute; and not less than \$5,000,000 is for low-dose radiation research. The Department is directed to develop a low-dose radiation research plan in coordination with the low-dose radiation research community, other federal agencies, and any other relevant entities.

Within available funds, \$30,000,000 is to build upon the current modeling-focused effort and to develop observational assets and associated research to study the nation's major land-water interfaces, including the Great Lakes, by leveraging national laboratories' assets as well as local infrastructure and expertise at universities and other research institutions.

Within available funds, \$15,000,000 is for cloud-aerosol research and computing.

Within available funds, not less than \$38,200,000 is for Terrestrial Ecosystem Science. Within available funds for Terrestrial Ecosystem Science, not less than \$10,000,000 is for Next Generation Ecosystem Experiments Arctic, \$8,300,000 is for the SPRUCE field site, \$7,000,000 is for Next Generation Ecosystem Experiments Tropics, \$5,100,000 is for AmeriFLUX Long-Term Earth System Observations, and \$5,000,000 is to initiate planning and pilot studies for new Terrestrial Ecosystem Science manipulation experiments.

Within available funds, not less than \$31,800,000 is for Subsurface Biogeochemical Research, including \$6,800,000 for Watershed Function SFA and not less than \$3,500,000 to support ongoing research and discovery related to mercury biogeochemical transformations in the environment.

Fusion Energy Sciences (FES).—Within available funds, \$68,000,000 is for NSTX-U operations; \$4,000,000 is to support the Department's recent creation of the Innovation Network for Fusion Energy (INFUSE) research and development program; \$20,000,000 is for High Energy Density Laboratory Plasmas, including activities for LaserNetUS; and \$21,000,000 is for the Materials Plasma Exposure eXperiment. The Department is directed to expand the INFUSE program to allow for both domestic and international companies.

The agreement does not include funds for the creation of a Fusion Public-Private Partnership Cost Share Program for reactor technologies at this time. The Fusion Energy Sciences Advisory Committee is directed to give full consideration to the establishment of a cost share program for reactor technologies as part of its ongoing long-range strategic planning activity. The Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act a plan on a possible cost share program for reactor technologies. The plan should include program objectives, eligibility requirements, and a funding profile for future fiscal years.

The agreement provides \$242,000,000 for the U.S. contribution to the ITER project, of which not less than \$85,000,000 is for in-cash contributions.

High Energy Physics (HEP).—Within available funds, \$30,000,000 is for the Sanford Underground Research Facility, \$100,000,000 is for the HL-LHC Upgrade Projects, and \$15,000,000 is for the Large Synoptic Survey Telescope.

Nuclear Physics (NP).—Within available funds, \$28,500,000 is for operations at the Facility for Rare Isotope Beams. The Department is directed to provide optimal funding for operations, major items of equipment, and other project costs.

Workforce Development for Teachers and Scientists (WDTS).—The agreement provides \$28,000,000 for Workforce Development for Teachers and Scientists. Within available funds, \$13,500,000 is for Science Undergraduate Laboratory Internships, not less than \$1,500,000 is for Community College Internships, and \$4,500,000 is for the Graduate Student Research Program.

Science Laboratories Infrastructure.—The agreement includes funding to complete the land and facilities acquisition for the Pacific Northwest National Laboratory.

ADVANCED RESEARCH PROJECTS AGENCY—ENERGY

The agreement provides \$425,000,000 for the Advanced Research Projects Agency—Energy.

TITLE 17 INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM

The agreement provides \$32,000,000 in administrative expenses for the Loan Guarantee Program. The agreement is offset by \$3,000,000 in estimated collections from loan guarantee applicants, for a net appropriation of \$29,000,000.

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 \$5,000,000 for the Advanced Technology Vehicles Manufacturing Loan Program. The agreement directs the Department to expeditiously evaluate and adjudicate all loan applications received.

TRIBAL ENERGY LOAN GUARANTEE PROGRAM

The agreement provides \$2,000,000 for the Tribal Energy Loan Guarantee Program.

OFFICE OF INDIAN ENERGY POLICY AND PROGRAMS

The agreement provides \$22,000,000 for the Office of Indian Energy Policy and Programs.

DEPARTMENTAL ADMINISTRATION

The agreement provides \$161,000,000 for Departmental Administration.

Control Points.—In lieu of House and Senate direction on 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 activity includes Management, Project Management Oversight and Assessments, Chief Human Capital Officer, Office of Technology Transitions, 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.

Within available funds for International Affairs, the agreement includes \$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. The agreement does not adopt the proposal to transfer staff from the applied energy offices to International Affairs. The Department shall brief the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act on its plans to spend funds provided in this agreement for the Office of International Affairs.

Chief Information Officer.—The agreement provides \$2,000,000 for implementation of the 21st Century Integrated Digital Experience Act.

Other Departmental Administration.—The agreement provides \$5,000,000 above the budget request for the Office of Technology Transitions for a competitive funding opportunity for incubators supporting energy innovation clusters, with requirements as outlined in the House report. The Department is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act a report on the value of creating a nonprofit foundation, with requirements as outlined in the House and Senate reports. The agreement provides \$1,700,000 within available funds for the Office of Policy to complete a U.S. energy employment report, with requirements as outlined in the House and Senate reports. The Department is directed to produce and release this report annually.

The agreement provides \$24,316,000 for the Chief Human Capital Officer and \$32,575,000 for the Office of General Counsel.

Energy Technology Commercialization Fund.—In making awards from the Energy Technology Commercialization Fund established under section 1001(e) of the Energy Policy Act of 2005 (42 U.S.C. 16391(e)), the requirements for matching funds shall be determined by the Secretary of Energy in accordance with section 988 of that Act (42 U.S.C. 16352).

Small Refinery Exemption.—The agreement does not include the Senate report direction regarding small refinery exemption.

OFFICE OF THE INSPECTOR GENERAL

The agreement provides \$54,215,000 for the Office of the Inspector General.

ATOMIC ENERGY DEFENSE ACTIVITIES
NATIONAL NUCLEAR SECURITY ADMINISTRATION

The agreement provides \$16,704,592,000 for the National Nuclear Security Administration (NNSA).

The NNSA Act clearly lays out the functions of the NNSA and gives the Administrator authority over, and responsibility for, those functions. The agreement again directs that no funds shall be used to reorganize, re-classify, or study combining any of those functions with the Department.

WEAPONS ACTIVITIES

The agreement provides \$12,457,097,000 for Weapons Activities.

W87-1 Modification Program.—In lieu of House direction, the agreement provides \$112,011,000, of which not more than seventy-five percent shall be obligated until the NNSA provides to the Committees on Appropriations of both Houses of Congress a report on the W87-1 Modification Program that includes the following: (1) a list of all major design decisions that have been made or that remain open and a description and explanation of the cost trade-offs for each decision or potential decision including surety architecture, technologies, and potential component re-use; (2) identification of major risks and contingency plans to address each risk, including the risk that restarting plutonium pit production will not meet the current projected schedule; and (3) plans to address technology maturation and manufacturing readiness.

Sea-Launched Cruise Missile Study.—In lieu of House direction, the agreement provides \$80,204,000 for W80 Stockpile Systems and \$5,607,000 in a new control point in Research, Development, Test, and Evaluation for assessments and studies to support the ongoing Department of Defense Analysis of Alternatives (AoA) for the Sea-Launched Cruise Missile. To improve oversight and visibility of these activities, the NNSA is directed to request funding for pre-Phase 6.1 activities within this new control point in all future budget requests. The NNSA is directed to brief the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act on the status of the AoA and the range of options being considered. Not later than 180 days after enactment of this Act, the NNSA shall provide an estimate of the cost, schedule, and impact on NNSA's current workload for each option under consideration. In support of these efforts and of the AoA, the Weapons Program shall coordinate with NNSA's Office of Cost Estimating and Program Evaluation.

B83 Stockpile Systems.—In lieu of House direction, the NNSA is directed to submit to the Committees on Appropriations of both the Houses of Congress not later than 180 days after enactment of this Act a report on the current status and future plans for the B83 system. The report shall identify options, along with rough-order of magnitude costs and key technical and policy milestones for meeting military requirements through retirement, retention, and extension, including the complete replacement of the

system. The report shall include an assessment of the supply and condition of limited-life components, and the testing requirements of key components. An unclassified version of the report shall be made available.

Plutonium Pit Production.—Restarting plutonium pit production will require the construction of new facilities, refurbishment of existing facilities, and equipment installations. The financial accounting and management processes for these three types of capital acquisition efforts are different, making oversight of such a large project difficult. The Department is directed to manage capital acquisitions to increase the production capacity of PF-4 beyond 10 pits per year as well as associated general infrastructure investments at Los Alamos National Laboratory to support pit production as a single project, with multiple sub-projects, and should follow the requirements for project management under DOE Order 413. The Savannah River Pit Production Facility shall also be managed as a single project with multiple sub-projects under DOE Order 413. In addition, the Department is directed to provide to the Committees on Appropriations of both Houses of Congress, starting not later than 30 days after enactment of this Act, quarterly briefings that shall include the following: (1) the status of pits one through 10, including the cost estimate and schedule to completion, and major milestones and deliverables; (2) the status of the two projects for production beyond 10 pits per year, including the cost estimate and schedule to completion, and major milestones and deliverables; and (3) how the lessons learned from the Uranium Processing Facility Red Team Review are being applied to plutonium work.

Science.—Within amounts for Academic Alliances, \$5,000,000 shall be for Tribal Colleges and Universities and \$25,000,000 shall be for the Minority Serving Institutions and Partnership Program.

Inertial Confinement Fusion and High Yield.—Within available funds, not less than \$344,000,000 is for the National Ignition Facility, not less than \$80,000,000 is for OMEGA, not less than \$66,900,000 is for the Z Facility, and not less than \$6,000,000 is for the NIKE Laser at the Naval Research Laboratory. The agreement directs the NNSA to submit to the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act a report on how the Joint Program in High Energy Density Laboratory Plasmas supports the national security mission of the agency. The NNSA shall submit to the Committees not later than 45 days after enactment of this Act a report, with appropriate classified annexes, describing the NNSA's plans to meet or exceed proposed near-peer technological developments with regard to laser and pulsed power facilities and technologies. The NNSA shall include a preliminary budget to build or modify existing facilities to address shortfalls and prevent technological surprise.

Independent Review of the Inertial Confinement Fusion Program.—The agreement includes Senate direction. The NNSA is reminded that if it is determined that ignition science activities are necessary to maintain the stockpile, the review shall recommend and prioritize research areas that would improve the program.

Stockpile Responsiveness Program.—A necessary part of maintaining a responsive stockpile in a cost-effective manner is understanding key drivers that impact the cost of life extension programs, modifications, and major alterations. The NNSA is directed to task the design and production agencies to

work together to study cost drivers and the duration and periodicity of life extensions, modifications, and alterations and to provide recommendations to the Administrator not later than 120 days after enactment of this Act. The study should consider opportunities to improve the following: (1) the rigor with which technology and manufacturing assessments are conducted; (2) early engagement between design and production agencies; and (3) implementation of design for manufacture strategies. The NNSA is directed to provide to the Committees on Appropriations of both Houses of Congress the results and recommendations of the study not later than 30 days after completion of the study.

Advanced Simulation and Computing.—Within available funds, the agreement provides \$20,000,000 for advanced memory technology research and up to \$48,000,000 for artificial intelligence to support NNSA work.

DEFENSE NUCLEAR NONPROLIFERATION

The agreement provides \$2,164,400,000 for Defense Nuclear Nonproliferation.

Transfer of Excess Plutonium.—No funds were requested to transfer excess plutonium from the State of South Carolina to the State of Nevada to comply with 50 U.S.C. 2566, and no funds are provided for this purpose.

Global Material Security.—Within available funds, not less than \$45,000,000 is for the Cesium Irradiator Replacement Program. Within this amount, up to \$20,000,000 is to address the container breach in Seattle, Washington. The agreement also provides up to \$12,000,000 to partner with state or local governments to train first-responders and experts in nuclear operations, safeguards, cybersecurity, and emergency operations.

Material Management and Minimization.—Within amounts for Laboratory and Partnership Support, \$10,000,000 is for technical support of global industry partners that are seeking to minimize the use of highly-enriched uranium in the production of Mo-99 and \$35,000,000 is to support new competitively-awarded cooperative agreements to establish a stable domestic source of Mo-99. The NNSA may select one or more recipients and is directed to consider technology maturity in the selection process.

Nonproliferation and Arms Control.—The agreement directs the NNSA to support technical and policy work conducted by the Office of Nuclear Energy to ensure nuclear safeguards, security measures, and technologies are integrated into advanced nuclear reactor designs.

NAVAL REACTORS (INCLUDING TRANSFER OF FUNDS)

The agreement provides \$1,648,396,000 for Naval Reactors.

FEDERAL SALARIES AND EXPENSES

The agreement provides \$434,699,000 for Federal Salaries and Expenses.

The NNSA is directed to provide to the Committees on Appropriations of both Houses of Congress starting not later than 30 days after enactment of this Act a monthly update that includes monthly hiring, attrition, and costs, with the data broken out to show excepted service and non-excepted service employees separately. In addition, not later than July 1, 2020, the NNSA shall provide the Committees a briefing on its efforts to streamline hiring for non-excepted service employees and actions being taken to make full use of its hiring authorities.

ENVIRONMENTAL AND OTHER DEFENSE ACTIVITIES

DEFENSE ENVIRONMENTAL CLEANUP

The agreement provides \$6,255,000,000 for Defense Environmental Cleanup.

Richland.—Within available funds for Central Plateau Remediation, the agreement redirects \$11,800,000 in prior year funds from the Containerized Sludge Removal Project to replace and upgrade power supply infrastructure in support of direct feed low-activity waste operations. Further, within available funds, the Department is directed to carry out maintenance, repair, and public safety efforts at historical sites, such as B Reactor, including facility improvements needed to expand public access and interpretive programs. None of the Richland Operations funds shall be used to directly carry out waste removal or treatment activities within the Office of River Protection's tank farms.

Idaho Site.—The Department is urged to continue developing and testing the methods and equipment necessary to retrieve and transfer calcine waste to a permanent repository. The Department should also continue the engineering design work required to install the calcine waste retrieval equipment in the Calcine Solids Storage facility.

Oak Ridge Reservation.—The agreement provides no funding for the new landfill. The Department is directed to perform an evaluation of the cost of onsite disposal compared to offsite disposal, including the economic impacts to the local community, and to brief the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act. The bill provides \$5,900,000 for Community and Regulatory Support. The Department is permitted to fund the Federal Facility Agreement (FFA) grant upon receiving a detailed work plan from the state for the upcoming year that identifies all critical work to be performed pursuant to the FFA grant and a schedule for meeting program milestones. Further, the Department is directed to provide quarterly updates on compliance with the work plan and schedule to the Committees on Appropriations of both Houses of Congress.

Savannah River Site.—Within available funds for Risk Management Operations, the agreement provides \$5,000,000 to begin remediation of the D-Area and \$20,000,000 for H-Canyon operations. Any

unused funds in the 05-D-405 Salt Waste Processing Facility construction line-item may be used for SWPF operations.

OTHER DEFENSE ACTIVITIES

The agreement provides \$906,000,000 for Other Defense Activities. With respect to Order 140.1, concerns persist with the Order's demonstrated impacts on the ability of the DNFSB to carry out its congressionally-mandated responsibilities. To ensure the DNFSB can continue to meet its statutory oversight responsibilities, the Department is directed to collaborate with the DNFSB to address the Board's specific concerns with Order 140.1. The Department must demonstrate a renewed focus on adequate protection of public health and safety, including the health and safety of workers. The agreement includes the House requirement for an evaluation by the Comptroller General but does not include the House requirement regarding a Memorandum of Understanding.

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. The agreement includes legislative language permanently authorizing certain activities related to state clean energy programs.

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 \$10,400,000 for the Southwestern Power Administration. To ensure sufficient authority to meet purchase power and wheeling needs, the agreement includes \$28,000,000 above the level credited as offsetting collections by the Congressional Budget Office. The Department is directed to continue working with the Committees on Appropriations of both Houses of Congress to provide necessary information to address this scoring issue for future fiscal years.

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

The agreement provides a net appropriation of \$89,196,000 for the Western Area Power Administration. The agreement includes a rescission of \$176,000 as proposed in the budget request. To ensure sufficient authority to meet purchase power and wheeling needs, the agreement includes \$59,000,000 above the level credited as offsetting collections by the Congressional Budget Office. The Department is directed to continue working with the Committees on Appropriations of both Houses of Congress to provide necessary information to address this scoring issue for future fiscal years.

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 \$382,000,000 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.

FERC is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 180 days after enactment of this Act a study and report outlining the barriers and opportunities for high voltage transmission, including over the nation's transportation corridors. The report shall examine the reliability and resilience benefits, permitting barriers, and any barriers in state or federal policy or markets.

GENERAL PROVISIONS—DEPARTMENT OF ENERGY
(INCLUDING TRANSFER AND RESCISSION OF FUNDS)

The agreement includes a modified 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 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 prohibiting funds in the Defense Nuclear Nonproliferation account for certain activities and assistance in the Russian Federation.

The agreement includes a provision regarding authority to release refined petroleum product from the Strategic Petroleum Reserve.

The agreement includes a provision regarding environmental stewardship and endangered species recovery efforts.

The agreement includes a provision regarding a rescission.

The agreement includes a provision regarding mercury storage.

The agreement includes a provision regarding pay for power system dispatchers.

INSERT 55a - 55r

^ [INSERT TABLE] 

DEPARTMENT OF ENERGY
(Amounts in thousands)

GPO scan
copy DO NOT
set

	FY 2019 Enacted	FY 2020 Request	Final Bill
ENERGY PROGRAMS			
ENERGY EFFICIENCY AND RENEWABLE ENERGY			
Sustainable Transportation:			
Vehicle technologies.....	344,000	73,400	396,000
Bioenergy technologies.....	226,000	40,000	259,500
Hydrogen and fuel cell technologies.....	120,000	44,000	150,000
Subtotal, Sustainable Transportation.....	690,000	157,400	805,500
Renewable Energy:			
Solar energy technologies.....	246,500	67,000	280,000
Wind energy technologies.....	92,000	23,700	104,000
Water power technologies.....	105,000	45,000	148,000
Geothermal technologies.....	84,000	28,000	110,000
Subtotal, Renewable Energy.....	527,500	163,700	642,000
Energy Efficiency:			
Advanced manufacturing.....	320,000	80,500	395,000
Building technologies.....	226,000	57,000	285,000
Federal energy management program.....	30,000	8,400	40,000
Weatherization and Intergovernmental Programs:			
Weatherization:			
Weatherization assistance program.....	254,000	---	305,000
Training and technical assistance.....	3,000	---	3,500
Subtotal, Weatherization.....	257,000	---	308,500
State Energy Program Grants.....	55,000	---	62,500
Subtotal, Weatherization and Intergovernmental Program.....	312,000	---	371,000
Subtotal, Energy Efficiency.....	888,000	145,900	1,091,000
Corporate Support:			
Facilities and infrastructure:			
National Renewable Energy Laboratory (NREL).....	97,000	107,000	130,000
Program direction.....	162,500	122,000	165,000
Strategic programs.....	14,000	---	14,500
Subtotal, Corporate Support.....	273,500	229,000	309,500
Subtotal, Energy efficiency and renewable energy..	2,379,000	696,000	2,848,000
Use of prior year balances.....	---	-353,000	---
Rescission.....	---	---	-58,000
TOTAL, ENERGY EFFICIENCY AND RENEWABLE ENERGY.....	2,379,000	343,000	2,790,000

55a

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE			
Cybersecurity for energy delivery systems (CEDs).....	89,500	75,000	95,000
Infrastructure security and energy restoration.....	19,000	70,000	48,000
Program direction.....	11,500	11,500	13,000
TOTAL, CYBERSECURITY, ENERGY SECURITY, AND EMERGENCY RESPONSE.....	120,000	156,500	156,000
ELECTRICITY			
Transmission reliability.....	39,000	70,500	57,000
Resilient distribution systems.....	40,000	27,900	45,000
Energy Storage:			
Research.....	46,000	43,500	55,000
Construction: 20-DE-100 Grid Storage Launchpad.....	---	5,000	1,000
Subtotal, Energy Storage.....	46,000	48,500	56,000
Transformer resilience and advanced components.....	7,000	9,000	7,000
Transmission permitting and technical assistance.....	7,000	7,000	7,000
Program direction.....	17,000	19,600	18,000
TOTAL, ELECTRICITY.....	156,000	182,500	190,000
NUCLEAR ENERGY			
Research and development:			
Integrated university program.....	5,000	---	5,000
STEP R&D.....	5,000	---	5,000
Nuclear energy enabling technologies:			
Crosscutting Technology Development.....	50,000	17,400	25,000
Nuclear Energy Advanced Modeling and Simulation.....	31,000	30,000	---
Energy Innovation Hub for Modeling and Simulation..	27,585	---	---
Joint Modeling and Simulation Program.....	---	---	35,000
Nuclear Science User Facilities.....	44,000	27,600	30,000
Transformational Challenger Reactor.....	---	23,450	23,450
Subtotal, Nuclear energy enabling technologies..	152,585	98,450	113,450
Fuel Cycle research and development:			
Civil Nuclear Enrichment.....	---	40,000	---
Front End Fuel Cycle:			
Mining, Conversion, and Transportation.....	---	---	2,000
Civil Nuclear Enrichment.....	---	---	40,000
Subtotal, Front End Fuel Cycle.....	---	---	42,000
Material Recovery and Waste Form Development.....	38,000	6,000	30,000
Advanced Fuels:	125,000	36,000	---
Accident Tolerant Fuels.....	---	---	95,600
Triso Fuel and Graphite Qualification.....	---	---	30,000
Subtotal, Advanced Fuels.....	125,000	36,000	125,600
System Analysis and Integration.....	8,500	---	---
Materials Protection, Accounting and Control Technology.....	6,000	3,000	---
Fuel Cycle Laboratory R&D.....	---	---	20,000
Used Nuclear Fuel Disposition R&D.....	63,915	5,000	62,500

556

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Integrated Waste Management System.....	22,500	---	25,000
Subtotal, Fuel Cycle research and development...	263,915	90,000	305,100
Reactor concepts RD&D:			
Advanced Small Modular Reactor R&D.....	100,000	10,000	100,000
Light Water Reactor Sustainability.....	47,000	30,150	47,000
Advanced Reactor Technologies.....	111,500	75,000	55,000
Versatile Advanced Test Reactor R&D.....	65,000	100,000	65,000
Subtotal, Reactor concepts RD&D.....	323,500	215,150	267,000
Advanced Reactors Demonstration Program:			
National Reactor Innovation Center.....	---	---	20,000
Demonstration 1.....	---	---	80,000
Demonstration 2.....	---	---	80,000
Risk Reduction for Future Demonstrations.....	---	---	30,000
Regulatory Development.....	---	---	15,000
Advanced Reactors Safeguards.....	---	---	5,000
Subtotal, Advanced Reactors Demonstration Program.....	---	---	230,000
International nuclear energy cooperation.....	3,000	---	---
Subtotal, Research and development.....	753,000	403,600	925,550
Infrastructure:			
ORNL Nuclear Facilities O&M.....	---	---	20,000
INL Facilities Operations and Maintenance.....	---	---	280,000
Research Reactor Infrastructure.....	---	---	9,000
Construction:			
Sample Preparation Laboratory, INL.....	---	---	25,450
Radiological facilities management:			
Space and defense infrastructure.....	20,000	---	---
Research reactor infrastructure.....	9,000	9,000	---
Subtotal, Radiological facilities management....	29,000	9,000	---
Idaho facilities management:			
Idaho operations and infrastructure.....	288,000	204,000	---
Construction:			
16-E-200 Sample Preparation Laboratory, INL	30,000	5,242	---
Subtotal, Construction.....	30,000	5,242	---
Subtotal, Idaho facilities management.....	318,000	209,242	---
Subtotal, Infrastructure.....	347,000	218,242	334,450
Idaho sitewide safeguards and security.....	146,090	137,808	153,408
Program direction.....	80,000	64,350	80,000
TOTAL, NUCLEAR ENERGY.....	1,326,090	824,000	1,493,408

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
FOSSIL ENERGY RESEARCH AND DEVELOPMENT			
Coal CCS and Power Systems:			
Carbon Capture.....	100,671	39,800	117,800
Carbon Storage.....	98,096	29,000	100,000
Advanced Energy Systems.....	129,683	185,300	120,000
Cross Cutting Research.....	56,350	72,825	56,000
NETL Coal Research and Development.....	54,000	60,500	61,000
STEP (Supercritical CO2).....	22,430	---	16,000
Transformational Coal Pilots.....	25,000	---	20,000
Subtotal, Coal CCS and Power Systems.....	486,230	387,425	490,800
Natural Gas Technologies:			
Research.....	51,000	10,730	51,000
Unconventional fossil energy technologies from petroleum - oil technologies.....	46,000	19,000	46,000
Program direction.....	61,070	61,045	61,500
Special recruitment programs.....	700	700	700
NETL Research and Operations.....	50,000	40,000	50,000
NETL Infrastructure.....	45,000	43,100	50,000
TOTAL, FOSSIL ENERGY RESEARCH AND DEVELOPMENT.....	740,000	562,000	750,000
NAVAL PETROLEUM AND OIL SHALE RESERVES.....	10,000	14,000	14,000
STRATEGIC PETROLEUM RESERVE			
STRATEGIC PETROLEUM RESERVE.....	235,000	174,000	195,000
Sale of crude oil.....	-300,000	-450,000	-450,000
Use of sale proceeds.....	300,000	450,000	450,000
TOTAL, STRATEGIC PETROLEUM RESERVE.....	235,000	174,000	195,000
SPR PETROLEUM ACCOUNT			
SPR Petroleum Account.....	10,000	---	10,000
Sale of NGSR refined petroleum product.....	---	-96,000	---
Use of NGSR refined petroleum product sale proceeds...	---	27,000	---
TOTAL, SPR PETROLEUM ACCOUNT.....	10,000	-69,000	10,000
NORTHEAST HOME HEATING OIL RESERVE			
NORTHEAST HOME HEATING OIL RESERVE.....	10,000	---	10,000
Sale of Northeast Home Heating Oil Reserves.....	---	-90,000	---
TOTAL, NORTHEAST HOME HEATING OIL RESERVE.....	10,000	-90,000	10,000
ENERGY INFORMATION ADMINISTRATION.....	125,000	118,000	126,800
NON-DEFENSE ENVIRONMENTAL CLEANUP			
Fast Flux Test Reactor Facility (WA).....	2,240	2,500	2,500
Gaseous Diffusion Plants.....	101,304	103,073	113,085
Small sites.....	131,456	66,692	127,000
West Valley Demonstration Project.....	75,000	75,215	75,215
Management and Storage of Elemental Mercury.....	---	---	1,200

SSd

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Community and Regulatory Support.....	---	---	200
TOTAL, NON-DEFENSE ENVIRONMENTAL CLEANUP.....	310,000	247,480	319,200
URANIUM ENRICHMENT DECONTAMINATION AND DECOMMISSIONING FUND			
Dak Ridge.....	195,000	109,439	195,693
Nuclear facility D&D, Paducah.....	206,000	207,215	240,000
Portsmouth:			
Nuclear facility D&D, Portsmouth.....	366,931	304,559	367,193
Construction:			
20-U-401 On-site waste disposal facility (Cell Line 2&3).....	---	10,000	10,000
15-U-408 On-site waste disposal facility, Portsmouth.....	41,168	41,102	41,102
Subtotal, Portsmouth.....	408,099	355,661	418,295
Pension and community and regulatory support.....	21,030	21,762	21,762
Title X uranium/thorium reimbursement program.....	11,000	21,035	5,250
TOTAL, UED&D FUND.....	841,129	715,112	881,000
SCIENCE			
Advanced scientific computing research:			
Advanced scientific computing research.....	702,794	732,153	791,265
Construction:			
17-SC-20 SC Exascale Computing Project (SC-ECP).....	232,706	188,735	188,735
Subtotal, Advanced scientific computing research.....	935,500	920,888	980,000
Basic energy sciences:			
Research.....	1,757,700	1,675,285	1,853,000
Construction:			
13-SC-10 LINAC coherent light source II (LCLS-II), SLAC.....	129,300	---	---
18-SC-10 Advanced Photon Source Upgrade (APS-U), ANL.....	130,000	150,000	170,000
18-SC-11 Spallation Neutron Source Proton Power, Upgrade (PPU), ORNL.....	60,000	5,000	60,000
18-SC-12 Advanced Light Source, Upgrade (ALS-U), LBNL.....	60,000	13,000	60,000
18-SC-13 LINAC coherent light source II HE (LCLS-II-HE), SLAC.....	28,000	14,000	50,000
19-SC-14 Second Target Station (STS), ORNL.....	1,000	1,000	20,000
Subtotal, Construction.....	408,300	183,000	360,000
Subtotal, Basic energy sciences.....	2,166,000	1,858,285	2,213,000
Biological and environmental research.....	705,000	494,434	750,000
Fusion energy sciences Research.....	432,000	294,750	414,000

55e

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Construction:			
20-SC-61 Matter in Extreme Conditions (MEC)			
Petawatt Upgrade, SLAC.....	---	1,000	15,000
14-SC-60 U.S. Contributions to ITER.....	132,000	107,000	242,000
Subtotal, Construction.....	132,000	108,000	257,000
Subtotal, Fusion energy sciences.....	564,000	402,750	671,000
High energy physics:			
Research.....	800,000	648,038	814,000
Construction:			
18-SC-42 Proton Improvement Plan II (PIP-II), FNAL.....	20,000	20,000	60,000
11-SC-41 Muon to electron conversion experiment, FNAL.....	30,000	---	---
11-SC-40 Long baseline neutrino facility / deep underground neutrino experiment (LBNF/DUNE), FNAL.....	130,000	100,000	171,000
Subtotal, Construction.....	180,000	120,000	231,000
Subtotal, High energy physics.....	980,000	768,038	1,045,000
Nuclear physics:			
Operations and maintenance.....	615,000	579,854	660,000
Construction:			
20-SC-52 Electron Ion Collider (EIC).....	---	---	1,000
20-SC-51 U.S. Stable Isotope Production and Research Center (U.S. SIPRC), ORNL.....	---	5,000	12,000
14-SC-50 Facility for rare isotope beams (FRIB) Michigan State University.....	75,000	40,000	40,000
Subtotal, Construction.....	75,000	45,000	53,000
Subtotal, Nuclear physics.....	690,000	624,854	713,000
Workforce development for teachers and scientists.....	22,500	19,500	28,000
Science laboratories infrastructure:			
Infrastructure support:			
Payment in lieu of taxes.....	1,713	4,540	4,540
Oak Ridge landlord.....	6,434	5,610	5,610
Facilities and infrastructure.....	45,543	25,050	56,850
Oak Ridge nuclear operations.....	26,000	10,000	26,000
Subtotal, Infrastructure support.....	79,690	45,200	93,000
Construction:			
20-SC-77 Large Scale Collaboration Center, SLAC...	---	3,000	11,000
20-SC-76 Craft Resources Support Facility, ORNL...	---	20,000	15,000
20-SC-75 CEBAF Renovation and Expansion, TJNAF...	---	2,000	2,000
20-SC-72 Seismic Safety and Infrastructure Upgrades, LBNL.....	---	5,000	10,000
20-SC-71 Critical Utilities Rehabilitation Project, BNL.....	---	12,000	20,000
19-SC-71 Science User Support Center (SUSC), BNL...	7,000	6,400	20,000
19-SC-72 Electrical Capacity and Distribution Capability, ANL.....	30,000	30,000	30,000
19-SC-73 Translational Research Capability, ORNL...	25,000	15,000	25,000
19-SC-74 BioEPIC Building, LBNL.....	5,000	6,000	15,000
18-SC-71 Energy Sciences Capability, PNNL.....	24,000	9,000	23,000
17-SC-71 Integrated Engineering Research Center,			

554

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
FNAL.....	20,000	10,000	22,000
17-SC-73 Core Facility Revitalization, BNL.....	42,200	---	---
20-SC-78 Tritium System Demolition and Disposal, PPPL.....	---	---	13,000
20-SC-79 Argonne Utilities Upgrade, ANL.....	---	---	500
20-SC-80 Linear Assets Modernization Project, LBNL	---	---	500
20-SC-81 Critical Utilities Infrastructure Revitalization, SLAC.....	---	---	500
20-SC-82 Utilities Infrastructure Project, FNAL...	---	---	500
Subtotal, Construction:.....	153,200	118,400	208,000
Subtotal, Science laboratories infrastructure.	232,890	163,600	301,000
Safeguards and security.....	106,110	110,623	112,700
Science program direction.....	183,000	183,000	186,300
TOTAL, SCIENCE.....	6,585,000	5,545,972	7,000,000
=====	=====	=====	=====
NUCLEAR WASTE DISPOSAL.....	---	90,000	---
ADVANCED RESEARCH PROJECTS AGENCY-ENERGY			
ARPA-E projects.....	334,750	---	390,000
Program direction.....	31,250	---	35,000
Rescission of prior year balances.....	---	-287,000	---
TOTAL, ARPA-E.....	366,000	-287,000	425,000
TITLE 17 - INNOVATIVE TECHNOLOGY LOAN GUARANTEE PGM			
Administrative expenses.....	33,000	3,000	32,000
Offsetting collection.....	-15,000	-3,000	-3,000
Rescission.....	---	-160,659	---
Cancellation of Commitment Authority.....	---	-224,000	---
TOTAL, TITLE 17 - INNOVATIVE TECHNOLOGY LOAN GUARANTEE PROGRAM.....	18,000	-384,659	29,000
=====	=====	=====	=====
ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PGM			
Administrative expenses.....	5,000	---	5,000
TOTAL, ADVANCED TECHNOLOGY VEHICLES MANUFACTURING LOAN PROGRAM.....	5,000	---	5,000
TRIBAL ENERGY LOAN GUARANTEE PROGRAM			
Administrative expenses.....	1,000	---	2,000
Rescission.....	---	-8,500	---
TOTAL, TRIBAL ENERGY LOAN GUARANTEE PROGRAM.....	1,000	-8,500	2,000

SSG

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
OFFICE OF INDIAN ENERGY POLICY AND PROGRAMS			
Indian energy program.....	13,200	4,479	17,000
Program Direction.....	4,800	3,521	5,000
TOTAL, OFFICE OF INDIAN ENERGY POLICY AND PROGRAMS.....	18,000	8,000	22,000
DEPARTMENTAL ADMINISTRATION			
Administrative operations:			
Salaries and expenses:			
Office of the Secretary:			
Program direction.....	5,395	5,119	5,119
Congressional and intergovernmental affairs.....	6,200	5,895	4,395
Chief Financial Officer.....	48,912	52,000	52,000
Economic impact and diversity.....	10,169	9,494	10,169
International Affairs.....	---	---	26,825
Chief Information Officer.....	131,624	124,554	140,200
Artificial Intelligence and Technology Office...	---	---	2,500
Other Departmental Administration.....	173,247	152,953	152,262
Subtotal, Salaries and expenses.....	375,547	350,015	393,470
Subtotal, Administrative operations.....	375,547	350,015	393,470
Strategic partnership projects.....	40,000	40,000	40,000
Subtotal, Departmental administration.....	415,547	390,015	433,470
Use of prior-year balances.....	-2,000	---	---
Funding from other defense activities.....	-151,689	-179,092	-179,092
Total, Departmental administration (gross).....	261,858	210,923	254,378
Miscellaneous revenues.....	-96,000	-93,378	-93,378
TOTAL, DEPARTMENTAL ADMINISTRATION (net).....	165,858	117,545	161,000
OFFICE OF THE INSPECTOR GENERAL			
Office of the inspector general.....	51,330	54,215	54,215
International Affairs.....	---	36,100	---
TOTAL, ENERGY PROGRAMS.....	13,472,407	8,349,265	14,633,623

35h

DEPARTMENT OF ENERGY
(Amounts in thousands)

FY 2019
Enacted

FY 2020
Request

Final Bill

ATOMIC ENERGY DEFENSE ACTIVITIES

NATIONAL NUCLEAR SECURITY ADMINISTRATION

WEAPONS ACTIVITIES

	FY 2019 Enacted	FY 2020 Request	Final Bill
Directed stockpile work:			
Life Extension Programs and Major alterations			
B61 Life extension program.....	794,049	792,611	792,611
W76 Life extension program.....	48,888	---	---
W76-2 Modification program.....	65,000	10,000	10,000
W88 Alteration program.....	304,285	304,186	304,186
W80-4 Life extension program.....	654,766	898,551	898,551
IW-1.....	53,000	---	---
W87-1 Modification Program	---	112,011	112,011
Stockpile systems:			
B61 Stockpile systems.....	64,547	71,232	71,232
W76 Stockpile systems.....	84,300	89,804	89,804
W78 Stockpile systems.....	81,329	81,299	81,299
W80 Stockpile systems.....	80,204	85,811	80,204
B83 Stockpile systems.....	35,082	51,543	51,543
W87 Stockpile systems.....	83,107	98,262	98,262
W88 Stockpile systems.....	170,913	157,815	157,815
Subtotal, Stockpile systems.....	599,482	635,766	630,159
Weapons dismantlement and disposition.....	56,000	47,500	56,000
Stockpile services:			
Production support.....	510,000	543,964	543,964
Research and Development support.....	36,150	39,339	39,339
R and D certification and safety.....	201,840	236,235	236,235
Management, technology, and production.....	300,736	305,000	305,000
Subtotal, Stockpile services.....	1,048,726	1,124,538	1,124,538
Strategic materials:			
Uranium sustainment.....	87,182	94,146	94,146
Plutonium sustainment:			
Plutonium sustainment operations.....	286,282	691,284	691,284
Plutonium pit production project.....	75,000	21,156	21,156
Subtotal, Plutonium sustainment.....	361,282	712,440	712,440
Tritium sustainment.....	290,275	269,000	269,000
Lithium sustainment.....	29,135	28,800	28,800
Domestic uranium enrichment.....	50,000	140,000	70,000
HEU downblend.....	---	---	90,000
Strategic materials sustainment.....	216,196	256,808	256,808
Subtotal, Strategic materials.....	1,034,070	1,501,194	1,521,194
Subtotal, Directed stockpile work.....	4,658,266	5,426,357	5,449,250

551

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Research, Development, Test and Evaluation (RDT&E):			
Science:			
Advanced certification.....	57,710	57,710	57,710
Primary assessment technologies.....	89,313	95,169	95,169
Dynamic materials properties.....	120,000	133,800	128,000
Advanced radiography.....	32,544	32,544	32,710
Secondary assessment technologies.....	77,553	77,553	77,553
Academic alliances and partnerships.....	53,364	44,625	56,000
Enhanced capabilities for subcritical experiments.....	50,000	145,160	145,160
Subtotal, Science.....	480,484	586,561	592,302
Engineering:			
Enhanced surety.....	39,717	46,500	43,000
Weapons system engineering assessment technology	23,029	---	---
Delivery environments.....	---	35,945	35,945
Nuclear survivability.....	48,230	53,932	53,932
Studies and assessments.....	---	---	5,607
Enhanced surveillance.....	45,147	57,747	55,000
Stockpile responsiveness.....	34,000	39,830	70,000
Subtotal, Engineering.....	190,123	233,954	263,484
Inertial confinement fusion ignition and high yield:			
Ignition and other stockpile programs.....	101,140	55,649	106,000
Diagnostics, cryogenics and experimental support.....	77,915	66,128	75,000
Pulsed power inertial confinement fusion.....	6,596	8,571	8,571
Joint program in high energy density laboratory plasmas.....	8,492	12,000	8,492
Facility operations and target production.....	350,791	338,247	366,937
Subtotal, Inertial confinement fusion ignition and high yield.....	544,934	480,595	565,000
Advanced simulation and computing:			
Advanced simulation and computing.....	670,119	789,849	789,849
Construction:			
18-D-670 Exascale class computer cooling equipment, LANL.....	24,000	---	---
18-D-620 Exascale computing facility modernization project, LLNL.....	23,000	50,000	50,000
Subtotal, Construction.....	47,000	50,000	50,000
Subtotal, Advanced simulation, Computing and Construction.....	717,119	839,849	839,849

552

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Advanced manufacturing development:			
Additive manufacturing.....	12,000	18,500	18,500
Component manufacturing development.....	38,644	48,410	48,410
Process technology development.....	30,914	69,998	70,000
Subtotal, Advanced manufacturing development....	81,558	136,908	136,910
Subtotal, RDT&E.....	2,014,218	2,277,867	2,397,545
Infrastructure and Operations:			
Operations of facilities.....	870,000	905,000	900,000
Safety and environmental operations.....	110,000	119,000	110,000
Maintenance and repair of facilities.....	515,000	456,000	456,000
Recapitalization:			
Infrastructure and safety.....	450,000	447,657	447,657
Capability based investments.....	109,057	135,341	135,341
Subtotal, Recapitalization.....	559,057	582,998	582,998
Construction:			
19-D-670 138kV Power Transmission System Replacement, NNS.....	---	6,000	6,000
18-D-680 Material staging facility, PX.....	24,000	---	---
18-D-650 Tritium production capability, SRS.....	---	27,000	27,000
18-D-690 Lithium production capability, Y-12.....	19,000	---	---
18-D-690, Lithium processing facility, Y-12.....	---	32,000	32,000
17-D-640 U1a complex enhancements project, NNSA.....	20,000	35,000	35,000
16-D-515 Albuquerque Complex project.....	47,953	---	---
15-D-612, Emergency Operations Center, LLNL.....	---	5,000	5,000
15-D-611, Emergency Operations Center, SNL.....	---	4,000	4,000
15-D-301 HE Science & Engineering Facility, PX.....	---	123,000	80,000
06-D-141 Uranium Processing Facility, Y-12.....	703,000	745,000	745,000
Chemistry and metallurgy replacement (CMRR):			
04-D-125 Chemistry and metallurgy replacement project, LANL.....	219,842	168,444	168,444
Subtotal, Construction.....	1,033,795	1,145,444	1,102,444
Subtotal, Infrastructure and Operations.....	3,087,852	3,208,442	3,151,442
Secure transportation asset:			
Operations and equipment.....	176,617	209,502	185,000
Program direction.....	102,022	107,660	107,660
Subtotal, Secure transportation asset.....	278,639	317,162	292,660
Defense nuclear security:			
Defense nuclear security.....	690,638	778,213	750,000
Construction:			
17-D-710 West end protected area reduction project, Y-12.....	---	---	25,000
Subtotal, Defense nuclear security.....	690,638	778,213	775,000
Information technology and cyber security.....	221,175	309,362	300,000
Legacy contractor pensions.....	162,292	91,200	91,200
Use of prior year balances.....	-13,080	---	---
TOTAL, WEAPONS ACTIVITIES.....	11,100,000	12,408,603	12,457,097

SSK

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
DEFENSE NUCLEAR NONPROLIFERATION			
Defense Nuclear Nonproliferation Programs:			
Global material security:			
International nuclear security.....	46,339	48,839	58,000
Domestic radiologic security.....	127,433	90,513	147,002
International radiologic security.....	78,907	60,827	78,907
Nuclear smuggling detection.....	154,429	142,171	159,000
Subtotal, Global material security.....	407,108	342,350	442,909
Material management and minimization:			
HEU Reactor Conversion.....	---	114,000	99,000
Nuclear material removal.....	32,925	32,925	32,925
Material disposition.....	225,869	186,608	186,608
Laboratory and partnership support.....	35,000	---	45,000
Subtotal, Material management and minimization....	293,794	333,533	363,533
Nonproliferation and arms control.....	129,703	137,267	140,000
Defense nuclear nonproliferation R&D:			
Proliferation detection.....	281,521	304,040	299,046
Nuclear detonation detection.....	195,749	191,317	196,617
Nonproliferation fuels development.....	98,300	---	15,000
Nonproliferation Stewardship program.....	---	---	22,500
Subtotal, Defense nuclear nonproliferation R&D....	575,570	495,357	533,163
Nonproliferation construction:			
99-D-143 Mixed Oxide (MOX) Fuel Fabrication Facility, SRS.....	220,000	220,000	220,000
18-D-150 Surplus plutonium disposition project, SRS.	---	79,000	79,000
Subtotal, Nonproliferation construction.....	220,000	299,000	299,000
Legacy contractor pensions.....	28,640	13,700	13,700
Subtotal, Defense Nuclear Nonproliferation Programs.....	1,654,815	1,621,207	1,792,305
Nuclear counterterrorism and incident response program:			
Nuclear counterterrorism and incident response.....	319,185	---	---
Emergency Operations.....	---	35,545	35,545
Counterterrorism and Counterproliferation.....	---	336,550	336,550
Subtotal, Nuclear counterterrorism and incident response program.....	319,185	372,095	372,095
Use of prior-year balances.....	-25,000	---	---
Subtotal, Defense Nuclear Nonproliferation.....	1,949,000	1,993,302	2,164,400
Rescission.....	-19,000	---	---
TOTAL, DEFENSE NUCLEAR NONPROLIFERATION.....	1,930,000	1,993,302	2,164,400
NAVAL REACTORS			
Naval reactors development.....	514,951	531,205	516,205
Columbia-class reactor systems development.....	138,000	75,500	75,500
S8G Prototype refueling.....	250,000	155,000	170,000
Naval reactors operations and infrastructure.....	525,764	553,591	553,591

556

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Program direction.....	48,709	50,500	50,500
Construction:			
20-D-931, KL Fuel development laboratory.....	---	23,700	23,700
19-D-930 KS Overhead Piping.....	10,994	20,900	20,900
17-D-911 BL Fire System Upgrade.....	13,200	---	---
14-D-901 Spent fuel handling recapitalization project, NRF.....	287,000	238,000	238,000
Subtotal, Construction.....	311,194	282,600	282,600
TOTAL, NAVAL REACTORS.....	1,758,618	1,648,396	1,648,396
FEDERAL SALARIES AND EXPENSES.....	410,000	434,699	434,699
TOTAL, NATIONAL NUCLEAR SECURITY ADMINISTRATION...	15,228,618	16,485,000	16,704,592
DEFENSE ENVIRONMENTAL CLEANUP			
Closure sites administration.....	4,889	4,987	4,987
Richland:			
River corridor and other cleanup operations.....	193,692	139,750	236,102
Central plateau remediation.....	660,358	472,949	654,800
RL Community and regulatory support.....	10,121	5,121	10,121
Construction:			
18-D-404 WESF Modifications and capsule storage...	1,000	11,000	11,000
Subtotal, Construction.....	1,000	11,000	11,000
Subtotal, Richland.....	865,171	628,820	912,023
Office of River Protection:			
Waste treatment and immobilization plant commissioning.....	15,000	15,000	15,000
Rad liquid tank waste stabilization and disposition.	771,947	677,460	775,000
Construction:			
15-D-409 Low activity waste pretreatment system...	56,053	---	---
18-D-16 Waste treatment and immobilization plant - LBL/Direct feed LAW.....	655,000	640,000	776,000
01-D-16 D High-level waste facility.....	60,000	30,000	25,000
01-D-16 E Pretreatment facility.....	15,000	20,000	15,000
Subtotal, Construction.....	786,053	690,000	816,000
ORP Low-level waste offsite disposal.....	---	10,000	10,000
Subtotal, Office of River Protection.....	1,573,000	1,392,460	1,616,000
Idaho National Laboratory:			
Idaho cleanup and waste disposition.....	420,000	331,354	430,000
Idaho community and regulatory support.....	3,200	3,500	3,500
ID Excess facilities D&D.....	10,000	---	---
Total, Idaho National Laboratory.....	433,200	334,854	433,500
NNSA sites and Nevada offsites:			
Lawrence Livermore National Laboratory.....	1,704	1,727	1,727
Separations Process Research Unit.....	15,000	15,300	15,300
Nevada.....	60,136	60,737	60,737

SSM

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Sandia National Laboratory.....	2,600	2,652	2,652
Los Alamos National Laboratory.....	220,000	195,462	220,000
LLNL Excess facilities D&D.....	25,000	128,000	65,000
Total, NNSA sites and Nevada off-sites.....	324,440	403,878	365,416
Oak Ridge Reservation:			
OR Nuclear facility D&D.....	189,000	93,693	213,000
U233 disposition program.....	52,300	45,000	55,000
OR Cleanup and disposition.....	74,000	82,000	101,100
Construction:			
17-D-401 On-site waste disposal facility.....	10,000	15,269	---
14-D-403 Outfall 200 mercury treatment facility.....	76,000	49,000	70,000
Subtotal, Construction.....	86,000	64,269	70,000
OR Community & regulatory support.....	5,700	4,819	5,900
OR Technology development and deployment.....	3,000	3,000	5,000
Total, Oak Ridge Reservation.....	410,000	292,781	450,000
Savannah River Site:			
SR Site risk management operations:			
SR Site risk management operations.....	489,460	490,613	506,366
Construction:			
18-D-402 Emergency Operations Center Replacement, SR.....	1,259	6,792	6,792
Total, SR Site risk management operations.....	490,719	497,405	513,158
SR Community and regulatory support.....	11,249	4,749	11,249
SR Radioactive liquid tank waste stabilization and disposition.....	696,869	797,706	820,106
Construction:			
20-D-402 Advanced Manufacturing Collaborative Facility (AMC).....	---	50,000	25,000
20-D-401 Saltstone Disposal Unit #10, 11, 12.....	---	500	500
19-D-701 SR Security system replacement.....	10,000	---	4,525
18-D-402 Saltstone disposal unit #8/9.....	7,577	51,750	20,000
17-D-402 Saltstone disposal Unit #7, SRS.....	41,243	40,034	40,034
05-D-405 Salt waste processing facility, SRS.....	130,000	20,988	21,200
Subtotal, Construction.....	188,820	163,272	111,259
Total, Savannah River Site.....	1,387,657	1,463,132	1,455,772
Waste Isolation Pilot Plant:			
Waste Isolation Pilot Plant.....	311,695	299,088	294,353
Construction:			
15-D-411 Safety significant confinement ventilation system, WIPP.....	84,212	58,054	58,054
15-D-412 Exhaust shaft, WIPP.....	1,000	34,500	44,500
Total, Waste isolation pilot plant.....	396,907	391,642	396,907
Program direction.....	298,500	278,908	281,119
Program support.....	12,979	12,979	12,979
Safeguards and Security.....	304,434	317,622	313,097
Technology development.....	25,000	---	25,000
Use of prior year balances.....	-7,577	---	-11,800

550

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
Subtotal, Defense Environmental Cleanup.....	6,028,600	5,522,063	6,255,000
Rescission.....	-4,600	-15,562	---
TOTAL, DEFENSE ENVIRONMENTAL CLEANUP.....	6,024,000	5,506,501	6,255,000
OTHER DEFENSE ACTIVITIES			
Environment, health, safety and security:			
Environment, health, safety and security.....	133,839	139,628	136,839
Program direction.....	69,000	72,881	71,000
Subtotal, Environment, Health, safety and security	202,839	212,509	207,839
Enterprise assessments:			
Enterprise assessments.....	24,068	24,068	24,068
Program direction.....	52,702	57,211	54,711
Subtotal, Enterprise assessments.....	76,770	81,279	78,779
Specialized security activities.....	266,378	254,578	273,409
Office of Legacy Management:			
Legacy management.....	140,575	283,767	142,767
Program direction.....	18,302	19,262	19,262
Subtotal, Office of Legacy Management.....	158,877	303,029	162,029
Defense related administrative support.....	151,689	179,092	179,092
Office of hearings and appeals.....	5,739	4,852	4,852
Use of prior year balances.....	-2,000	---	---
TOTAL, OTHER DEFENSE ACTIVITIES.....	860,292	1,035,339	906,000
DEFENSE NUCLEAR WASTE DISPOSAL.....	---	26,000	---
TOTAL, ATOMIC ENERGY DEFENSE ACTIVITIES.....	22,112,910	23,052,840	23,865,592
POWER MARKETING ADMINISTRATIONS (1)			
SOUTHEASTERN POWER ADMINISTRATION			
Operation and maintenance:			
Purchase power and wheeling.....	68,824	80,419	70,704
Program direction.....	6,500	6,597	6,597
Subtotal, Operation and maintenance.....	75,324	87,016	77,301
Less alternative financing (PPW).....	-13,824	-14,704	-14,704
Offsetting collections (for PPW).....	-55,000	-65,715	-56,000
Offsetting collections (PD).....	-6,500	-6,597	-6,597
TOTAL, SOUTHEASTERN POWER ADMINISTRATION.....	---	---	---

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
SOUTHWESTERN POWER ADMINISTRATION			
Operation and maintenance:			
Operating expenses.....	17,006	13,639	13,639
Purchase power and wheeling.....	60,000	93,000	68,000
Program direction.....	32,995	35,157	35,157
Construction.....	16,875	15,067	15,067
Subtotal, Operation and maintenance.....	126,876	156,863	131,863
Less alternative financing (for O&M).....	-8,894	-6,018	-6,018
Less alternative financing (for PPW).....	-10,000	-10,000	-25,000
Less alternative financing (Const).....	-12,180	-10,070	-10,070
Offsetting collections (PD).....	-29,695	-31,467	-31,467
Offsetting collections (for O&M).....	-5,707	-5,908	-5,908
Offsetting collections (for PPW).....	-50,000	-83,000	-43,000
TOTAL, SOUTHWESTERN POWER ADMINISTRATION.....	10,400	10,400	10,400
WESTERN AREA POWER ADMINISTRATION			
Operation and maintenance:			
Construction and rehabilitation.....	32,632	45,887	45,887
Operation and maintenance.....	77,056	72,176	72,176
Purchase power and wheeling.....	486,396	547,650	515,769
Program direction.....	238,483	250,091	250,091
Subtotal, Operation and maintenance.....	834,567	915,804	883,923
Less alternative financing (for O&M).....	-7,758	-6,600	-6,600
Less alternative financing (for Construction).....	-27,077	-39,922	-39,922
Less alternative financing (for Program Dir.).....	-39,136	-44,719	-44,719
Less alternative financing (for PPW).....	-260,954	-288,769	-288,769
Offsetting collections (for program direction).....	-150,761	-149,142	-149,142
Offsetting collections (for O&M).....	-25,009	-24,445	-24,445
Offsetting collections (P.L. 108-477, P.L. 109-103).....	-225,442	-258,881	-227,000
Offsetting collections (P.L. 98-381).....	-9,058	-8,954	-8,954
Use of prior-year balances.....	---	-5,000	-5,000
Rescission of prior-year balances.....	---	-176	-176
TOTAL, WESTERN AREA POWER ADMINISTRATION.....	89,372	89,196	89,196
FALCON AND AMISTAD OPERATING AND MAINTENANCE FUND			
Operation and maintenance.....	4,440	5,647	5,647
Offsetting collections.....	-1,340	-2,932	-2,932
Less alternative financing.....	-372	-1,187	-1,187
Use of prior-year balances.....	-2,500	-1,300	-1,300
TOTAL, FALCON AND AMISTAD O&M FUND.....	228	228	228
TOTAL, POWER MARKETING ADMINISTRATIONS.....	100,000	99,824	99,824
FEDERAL ENERGY REGULATORY COMMISSION			
Federal Energy Regulatory Commission.....	369,900	382,000	382,000
FERC revenues.....	-369,900	-382,000	-382,000
Total, FEDERAL ENERGY REGULATORY COMMISSION.....	---	---	---
General Provision:			
Energy Programs Rescission (rescission).....	---	---	-12,723

SSA

DEPARTMENT OF ENERGY
(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill
GRAND TOTAL, DEPARTMENT OF ENERGY.....	35,685,317	31,501,929	38,586,316
(Total amount appropriated).....	(35,708,917)	(32,197,826)	(38,657,215)
(Rescissions).....	(-23,600)	(-695,897)	(-70,899)
=====			
SUMMARY OF ACCOUNTS			
Energy efficiency and renewable energy.....	2,379,000	343,000	2,790,000
Cybersecurity, Energy Security, and Emergency Response	120,000	156,500	156,000
Electricity.....	156,000	182,500	190,000
Nuclear energy.....	1,326,090	824,000	1,493,408
Fossil Energy Research and Development.....	740,000	562,000	750,000
Naval Petroleum & Oil Shale Reserves.....	10,000	14,000	14,000
Strategic petroleum reserve.....	235,000	174,000	195,000
SPR Petroleum Account.....	10,000	-69,000	10,000
Northeast home heating oil reserve.....	10,000	-90,000	10,000
Energy Information Administration.....	125,000	118,000	126,800
Non-Defense Environmental Cleanup.....	310,000	247,480	319,200
Uranium enrichment D&D fund.....	841,129	715,112	881,000
Science.....	6,585,000	5,545,972	7,000,000
Nuclear Waste Disposal.....	---	90,000	---
Advanced Research Projects Agency-Energy.....	366,000	-287,000	425,000
Title 17 Innovative technology loan guarantee program.	18,000	-384,659	29,000
Advanced technology vehicles manufacturing loan pgm...	5,000	---	5,000
Tribal Energy Loan Guarantee program.....	1,000	-8,500	2,000
Office of Indian Energy Policy and Programs.....	18,000	8,000	22,000
Departmental administration.....	165,858	117,545	161,000
Office of the Inspector General.....	51,330	54,215	54,215
International Affairs.....	---	36,100	---
Atomic energy defense activities:			
National Nuclear Security Administration:			
Weapons activities.....	11,100,000	12,408,603	12,457,097
Defense nuclear nonproliferation.....	1,930,000	1,993,302	2,164,400
Naval reactors.....	1,788,618	1,648,396	1,648,396
Federal Salaries and Expenses.....	410,000	434,699	434,699
Subtotal, National Nuclear Security Admin.....	15,228,618	16,485,000	16,704,592
Defense environmental cleanup.....	6,024,000	5,506,501	6,255,000
Other defense activities.....	860,292	1,035,339	906,000
Defense nuclear waste disposal.....	---	26,000	---
Total, Atomic Energy Defense Activities.....	22,112,910	23,052,840	23,865,592
Power marketing administrations (1):			
Southeastern Power Administration.....	---	---	---
Southwestern Power Administration.....	10,400	10,400	10,400
Western Area Power Administration.....	89,372	89,196	89,196
Falcon and Amistad operating and maintenance fund...	228	228	228
Total, Power Marketing Administrations.....	100,000	99,824	99,824
Federal Energy Regulatory Commission:			
Salaries and expenses.....	369,900	382,000	382,000
Revenues.....	-369,900	-382,000	-382,000
General Provision:			
Energy Programs Rescission (rescission).....	---	---	-12,723
=====			
Total Summary of Accounts, Department of Energy...	35,685,317	31,501,929	38,586,316
=====			

552

DEPARTMENT OF ENERGY
(Amounts in thousands)

FY 2019 FY 2020
Enacted Request Final Bill

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

550

TITLE IV—INDEPENDENT AGENCIES

APPALACHIAN REGIONAL COMMISSION

The agreement provides \$175,000,000 for the Appalachian Regional Commission (ARC). The following is the only direction for the Appalachian Regional Commission.

The agreement includes the budget request proposal to address the substance abuse crisis that disproportionately affects Appalachia and the budget request proposal for activities in support of the POWER Initiative.

To diversify and enhance regional business development, \$10,000,000 is provided 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 \$5,000,000 for a program of high-speed broadband deployment in economically distressed counties within the North Central and Northern Appalachian regions.

Within available funds, not less than \$16,000,000 is 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.

Within available funding, \$16,000,000 is 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 ARC is directed to provide to the Committees on Appropriations of both Houses of Congress not later than 90 days after enactment of this Act a report on the percentage of funding that has been directed to persistent-poverty counties and high-poverty areas in the last three fiscal years. For the purposes of the report, the term persistent-poverty counties means any county that has had 20 percent or more of its population living in poverty over the past 30 years, as measured by the 1990 and 2000 decennial censuses and the most recent Small Area Income and Poverty Estimates. For the purposes of the report, the term high-poverty area means any census tract with a poverty rate of at least 20 percent as measured by the 2013–2017 five-year data series available from the American Community Survey of the Census Bureau.

DEFENSE NUCLEAR FACILITIES SAFETY BOARD SALARIES AND EXPENSES

The agreement provides \$31,000,000 for the Defense Nuclear Facilities Safety Board. The Board is directed to ensure a minimum of 110 full-time equivalents or report why it was unable to do so to the Committees on Appropriations of both Houses of Congress. The Board is further directed to establish and fill an Executive Director of Operations position. The agreement does not provide funding for any other

elements of the Board's August 15, 2018, reorganization plan. The agreement does not include the House report requirement regarding a Memorandum of Understanding.

DELTA REGIONAL AUTHORITY
SALARIES AND EXPENSES

The agreement provides \$30,000,000 for the Delta Regional Authority.

DENALI COMMISSION

The agreement provides \$15,000,000 for the Denali Commission.

NORTHERN BORDER REGIONAL COMMISSION

The agreement provides \$25,000,000 for the Northern Border Regional Commission.

Within available funds, not less than \$4,000,000 is for initiatives that seek to address the decline in forest-based economies throughout the region and \$750,000 is for the State Capacity Building Grant Program.

SOUTHEAST CRESCENT REGIONAL COMMISSION

The agreement provides \$250,000 for the Southeast Crescent Regional Commission.

NUCLEAR REGULATORY COMMISSION
SALARIES AND EXPENSES

The Nuclear Regulatory Commission's (Commission) mission is to ensure the safety and security of the nation's use of nuclear power and nuclear materials and protect the workers and public who use and benefit from these materials and facilities. The agreement provides \$842,236,000 for Commission salaries and expenses. This amount is offset by estimated revenues of \$717,125,000, resulting in a net appropriation of \$125,111,000. The agreement provides \$15,478,000 for activities related to the development of regulatory infrastructure for advanced nuclear reactor technologies and \$14,500,000 for international activities, which are not subject to the Commission's fee recovery collection requirements. The agreement directs the use of \$40,000,000 in prior-year unobligated balances.

Unobligated Balances from Prior Appropriations.—The Commission carries unobligated balances from appropriations received in prior years. The agreement requires the use of \$40,000,000 of these balances, derived from fee-based activities. The Commission is directed to apply these savings in a manner that continues to ensure the protection of public health and safety and maintains the effectiveness of the

current inspection program. 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. Any remaining unobligated balances carried forward from prior years are subject to the reprogramming guidelines in section 402 of this Act, and shall be used only to supplement appropriations consistent with those guidelines.

(Dollars in thousands)

Account	Final Bill
Nuclear Reactor Safety.....	\$447,574
Integrated University Program.....	16,000
Nuclear Materials and Waste Safety.....	103,191
Decommissioning and Low-Level Waste.....	22,891
Corporate Support.....	292,580
Use of Prior-Year Balances.....	-40,000
TOTAL, Nuclear Regulatory Commission.....	842,236

OFFICE OF INSPECTOR GENERAL

The agreement provides \$13,314,000 for the Office of Inspector General in the Nuclear Regulatory Commission. This amount is offset by revenues of \$10,929,000, resulting in a net appropriation of \$2,385,000.

The agreement provides \$1,171,000 to provide inspector general services for the Defense Nuclear Facilities Safety Board.

NUCLEAR WASTE TECHNICAL REVIEW BOARD
SALARIES AND EXPENSES

The agreement provides \$3,600,000 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. In addition to transfers provided in this Act or other appropriations Acts, and existing authorities, such as the Economy Act (31 U.S.C. 1535), by which one part of the United States Government may provide goods or services to another part, this Act allows transfers using section 4705 of the Atomic Energy Defense Act (50 U.S.C. 2745) and 15 U.S.C. 638 regarding SBIR/STTR.

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.

INSERT 6/a - 6/k

^ **[INSERT TABLE]** 

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 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.....	125,000	77,000	151,000	+26,000	+74,000
Construction.....	2,183,000	1,306,945	2,681,000	+498,000	+1,374,055
Mississippi River and Tributaries.....	368,000	209,872	375,000	+7,000	+165,128
Operation and Maintenance.....	3,739,500	1,930,428	3,790,000	+50,500	+1,859,572
Regulatory Program.....	200,000	200,000	210,000	+10,000	+10,000
Formerly Utilized Sites Remedial Action Program (FUSRAP).....	150,000	---	200,000	+50,000	+200,000
Flood Control and Coastal Emergencies.....	35,000	27,000	35,000	---	+8,000
Expenses.....	193,000	187,000	203,000	+10,000	+16,000
Office of Assistant Secretary of the Army (Civil Works).....	5,000	5,000	5,000	---	---
Harbor Maintenance Trust Fund.....	---	965,000	---	---	-965,000
Inland Waterways Trust Fund.....	---	55,500	---	---	-55,500
	=====	=====	=====	=====	=====
Total, title I, Department of Defense - Civil...	6,998,500	4,963,745	7,650,000	+651,500	+2,686,255
	=====	=====	=====	=====	=====

6/a

GPO scan copy
Do Not Set

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 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.....	15,000	10,000	20,000	+5,000	+10,000
Bureau of Reclamation					
Water and Related Resources.....	1,391,992	962,000	1,512,151	+120,159	+550,151
Central Valley Project Restoration Fund.....	62,008	54,849	54,849	-7,159	---
California Bay-Delta Restoration.....	35,000	33,000	33,000	-2,000	---
Policy and Administration.....	61,000	60,000	60,000	-1,000	---
	-----	-----	-----	-----	-----
Total, Bureau of Reclamation.....	1,550,000	1,109,849	1,660,000	+110,000	+550,151
	=====	=====	=====	=====	=====
Total, title II, Department of the Interior.....	1,565,000	1,119,849	1,680,000	+115,000	+560,151
	=====	=====	=====	=====	=====

619

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

TITLE III - DEPARTMENT OF ENERGY					
Energy Programs					
Energy Efficiency and Renewable Energy.....	2,379,000	343,000	2,848,000	+469,000	+2,505,000
Rescission.....	---	---	-58,000	-58,000	-58,000
Subtotal.....	2,379,000	343,000	2,790,000	+411,000	+2,447,000
Cybersecurity, Energy Security, and Emergency Response Electricity.....	120,000 156,000	156,500 182,500	156,000 190,000	+36,000 +34,000	-500 +7,500
Nuclear Energy.....	1,180,000	686,192	1,340,000	+160,000	+653,808
Defense function.....	146,090	137,808	153,408	+7,318	+15,600
Subtotal.....	1,326,090	824,000	1,493,408	+167,318	+669,408
Fossil Energy Research and Development.....	740,000	562,000	750,000	+10,000	+188,000
Naval Petroleum and Oil Shale Reserves.....	10,000	14,000	14,000	+4,000	---
Strategic Petroleum Reserve.....	235,000	174,000	195,000	-40,000	+21,000
Sale of crude oil.....	-300,000	-450,000	-450,000	-150,000	---
Use of sale proceeds.....	300,000	450,000	450,000	+150,000	---
Subtotal.....	235,000	174,000	195,000	-40,000	+21,000

61c

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
SPR Petroleum Account.....	10,000	27,000	10,000	---	-17,000
Sale of Petroleum Product.....	---	-96,000	---	---	+96,000
Subtotal.....	10,000	-69,000	10,000	---	+79,000
Northeast Home Heating Oil Reserve.....	10,000	---	10,000	---	+10,000
Sale of Home Heating Oil Reserve.....	---	-90,000	---	---	+90,000
Subtotal.....	10,000	-90,000	10,000	---	+100,000
Energy Information Administration.....	125,000	118,000	126,800	+1,800	+8,800
Non-defense Environmental Cleanup.....	310,000	247,480	319,200	+9,200	+71,720
Uranium Enrichment Decontamination and Decommissioning Fund.....	841,129	715,112	881,000	+39,871	+165,888
Science.....	6,585,000	5,545,972	7,000,000	+415,000	+1,454,028
Nuclear Waste Disposal.....	---	90,000	---	---	-90,000
Advanced Research Projects Agency-Energy.....	366,000	---	425,000	+59,000	+425,000
Rescission.....	---	-287,000	---	---	+287,000
Subtotal.....	366,000	-287,000	425,000	+59,000	+712,000
Title 17 Innovative Technology Loan Guarantee Program.....	33,000	3,000	32,000	-1,000	+29,000
Offsetting collection.....	-15,000	-3,000	-3,000	+12,000	---
Rescission.....	---	-160,659	---	---	+160,659
Cancellation of Commitment Authority.....	---	-224,000	---	---	+224,000
Subtotal.....	18,000	-384,659	29,000	+11,000	+413,659

219

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Advanced Technology Vehicles Manufacturing Loans program.....	5,000	---	5,000	---	+5,000
Tribal Energy Loan Guarantee Program.....	1,000	---	2,000	+1,000	+2,000
Rescission.....	---	-8,500	---	---	+8,500
Subtotal.....	1,000	-8,500	2,000	+1,000	+10,500
Office of Indian Energy Policy and Programs.....	18,000	8,000	22,000	+4,000	+14,000
Departmental Administration.....	261,858	210,923	254,378	-7,480	+43,455
Miscellaneous revenues.....	-96,000	-93,378	-93,378	+2,622	---
Net appropriation.....	165,858	117,545	161,000	-4,858	+43,455
Office of the Inspector General.....	51,330	54,215	54,215	+2,885	---
International Affairs.....	---	36,100	---	---	-36,100
Total, Energy programs.....	13,472,407	8,349,265	14,633,623	+1,161,216	+6,284,358

b1e

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Atomic Energy Defense Activities					
National Nuclear Security Administration					
Weapons Activities.....	11,100,000	12,408,603	12,457,097	+1,357,097	+48,494
Defense Nuclear Nonproliferation.....	1,949,000	1,993,302	2,164,400	+215,400	+171,098
Rescission.....	-19,000	---	---	+19,000	---
Subtotal.....	1,930,000	1,993,302	2,164,400	+234,400	+171,098
Naval Reactors.....	1,788,618	1,648,396	1,648,396	-140,222	---
Federal Salaries and Expenses.....	410,000	434,699	434,699	+24,699	---
Total, National Nuclear Security Administration.	15,228,618	16,485,000	16,704,592	+1,475,974	+219,592
Environmental and Other Defense Activities					
Defense Environmental Cleanup.....	6,028,600	5,522,063	6,255,000	+226,400	+732,937
Rescission.....	-4,600	-15,562	---	+4,600	+15,562
Subtotal.....	6,024,000	5,506,501	6,255,000	+231,000	+748,499
Other Defense Activities.....	860,292	1,035,339	906,000	+45,708	-129,339
Defense Nuclear Waste Disposal.....	---	26,000	---	---	-26,000
Total, Environmental and Other Defense Activities.	6,884,292	6,567,840	7,161,000	+276,708	+593,160
Total, Atomic Energy Defense Activities.....	22,112,910	23,052,840	23,865,592	+1,752,682	+812,752

5
4

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Power Marketing Administrations /1					
Operation and maintenance, Southeastern Power					
Administration.....	6,500	6,597	6,597	+97	---
Offsetting collections.....	-6,500	-6,597	-6,597	-97	---
Subtotal.....	---	---	---	---	---
Operation and maintenance, Southwestern Power					
Administration.....	45,802	47,775	47,775	+1,973	---
Offsetting collections.....	-35,402	-37,375	-37,375	-1,973	---
Subtotal.....	10,400	10,400	10,400	---	---
Construction, Rehabilitation, Operation and Maintenance, Western Area Power Administration.....					
Administration.....	265,142	262,959	262,959	-2,183	---
Offsetting collections.....	-175,770	-173,587	-173,587	+2,183	---
Rescission.....	---	-176	-176	-176	---
Subtotal.....	89,372	89,196	89,196	-176	---
Falcon and Amistad Operating and Maintenance Fund.....					
Administration.....	1,568	3,160	3,160	+1,592	---
Offsetting collections.....	-1,340	-2,932	-2,932	-1,592	---
Subtotal.....	228	228	228	---	---
Total, Power Marketing Administrations.....	100,000	99,824	99,824	-176	---

619

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
Federal Energy Regulatory Commission					
Salaries and expenses.....	369,900	382,000	382,000	+12,100	---
Revenues applied.....	-369,900	-382,000	-382,000	-12,100	---
Subtotal.....	---	---	---	---	---
General Provision:					
Energy Programs Rescission (rescission).....	---	---	-12,723	-12,723	-12,723
Total, title III, Department of Energy.....	35,685,317	31,501,929	38,586,316	+2,900,999	+7,084,387
Appropriations.....	(35,708,917)	(32,197,826)	(38,657,215)	(+2,948,298)	(+6,459,389)
Rescissions.....	(-23,600)	(-695,897)	(-70,899)	(-47,299)	(+624,998)

SIR

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE IV - INDEPENDENT AGENCIES					
Appalachian Regional Commission.....	165,000	165,000	175,000	+10,000	+10,000
Defense Nuclear Facilities Safety Board.....	31,000	29,450	31,000	---	+1,550
Delta Regional Authority.....	25,000	2,500	30,000	+5,000	+27,500
Denali Commission.....	15,000	7,300	15,000	---	+7,700
Northern Border Regional Commission.....	20,000	850	25,000	+5,000	+24,150
Southeast Crescent Regional Commission.....	250	---	250	---	+250
Nuclear Regulatory Commission:					
Salaries and expenses.....	898,350	907,765	842,236	-56,114	-65,529
Revenues.....	-770,477	-748,669	-717,125	+53,352	+31,544
Subtotal.....	127,873	159,096	125,111	-2,762	-33,985
Office of Inspector General.....	12,609	13,314	13,314	+705	---
Revenues.....	-10,355	-10,929	-10,929	-574	---
Subtotal.....	2,254	2,385	2,385	+131	---
Total, Nuclear Regulatory Commission.....	130,127	161,481	127,496	-2,631	-33,985
Nuclear Waste Technical Review Board.....	3,600	3,600	3,600	---	---
Total, title IV, Independent agencies.....	389,977	370,181	407,346	+17,369	+37,165

616

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request
TITLE V - GENERAL PROVISIONS					
Colorado River Basin Fund.....	21,400	---	---	-21,400	---
Total, Title V, General Provisions.....	21,400	---	---	-21,400	---
OTHER APPROPRIATIONS					
ADDITIONAL SUPPLEMENTAL APPROPRIATIONS FOR DISASTER RELIEF ACT, 2019					
Corps of Engineers - Civil					
Investigations (emergency).....	35,000	---	---	-35,000	---
Construction (emergency).....	740,000	---	---	-740,000	---
Mississippi River and Tributaries (emergency).....	575,000	---	---	-575,000	---
Operations and maintenance (emergency).....	908,000	---	---	-908,000	---
Flood control and coastal emergencies (emergency).....	1,000,000	---	---	-1,000,000	---
Total, Corps of Engineers.....	3,258,000	---	---	-3,258,000	---
Central Utah Project					
Central Utah Project Completion Account (emergency)...	350	---	---	-350	---

65

ENERGY AND WATER DEVELOPMENT, AND RELATED AGENCIES APPROPRIATIONS ACT, 2020

(Amounts in thousands)

	FY 2019 Enacted	FY 2020 Request	Final Bill	Final Bill vs Enacted	Final Bill vs Request

Bureau of Reclamation					
Water and Related Resources (emergency).....	15,500	---	---	-15,500	---
	=====	=====	=====	=====	=====
Total, Additional Supplemental Appropriations For Disaster Relief Act, 2019.....	3,273,850	---	---	-3,273,850	---
	=====	=====	=====	=====	=====
Grand total.....	47,934,044	37,955,704	48,323,662	+389,618	+10,367,958
Appropriations.....	(44,683,794)	(38,651,601)	(48,394,561)	(+3,710,767)	(+9,742,960)
Emergency appropriations.....	(3,273,850)	---	---	(-3,273,850)	---
Rescissions.....	(-23,600)	(-695,897)	(-70,899)	(-47,299)	(+624,998)
Grand total less Emergency appropriations.....	44,660,194	37,955,704	48,323,662	+3,663,468	+10,367,958
Discretionary (total).....	44,640,000	38,059,042	48,343,000	+3,703,000	+10,283,958

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

612