



Department
of the Army
Office, Assistant Secretary
of the Army (Civil Works)

**FISCAL YEAR 2015
Civil Works
Budget Details of the
U.S. Army Corps of Engineers
for
Operation and Maintenance (O&M)**

March 2014

Great Lakes and Ohio River Division

24 March 2014

Operation and Maintenance

Key to Abbreviations:

N=Navigation

FRM=Flood Risk Management

RC=Recreation

H=Hydropower

EN=Environmental Stewardship

WS=Water Supply

Illinois

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Calumet Harbor and River, IL & IN

AUTHORIZATION: Rivers and Harbors Acts of 1899, 1902, 1935, 1960, 1962, and 1965 (P.L. 89-209)

LOCATION AND DESCRIPTION: Calumet Harbor and River is in northeastern Illinois, on the southwest shore of Lake Michigan in Cook County, 15 miles south of Chicago Harbor, within the corporate limits of the City of Chicago, except for breakwaters, approach channel and an anchorage area which are in Indiana. The project consists of two miles of breakwater (6,714 feet concrete capped timber crib structures, 5,007 feet of stone-filled sheetpile cell structures), an approach channel (3,200 feet wide, 1.8 miles long and 29 feet deep); a harbor channel (3,000 feet wide, two miles long and 28 feet deep); a river navigation channel (8 miles long and 27 feet deep); three turning basins; a confined disposal facility (CDF) with a design storage capacity of 1,600,000 cubic yards; a boat shed facility; and a stone dock.

ALLOCATION FOR FY 2014: \$5,230,080.

BUDGETED AMOUNT FOR FY 2015: M: \$1,350,000 O: \$1,173,000 T: \$2,523,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

NAV: \$2,523,000. Funds in the amount of \$373,000 will be used for annual harbor operations, condition surveys of structures and harbor/river channel, project-owned equipment maintenance, and stakeholder coordination. Funds in the amount of \$600,000 will be used for CDF sediment management activities that are required for State of IL site operating permit requirements associated with water management, and in preparation for the next dredging activity. Funds in the amount of \$105,000 will be used for annual water quality monitoring and reporting around the perimeter of the facility, which is also required for the State of IL operating permit. Funds in the amount of \$95,000 will be used for Dredged Material Management Plan completion to identify the location of a new disposal facility. Funds in the amount of \$1,350,000 will be used for repairs (timber crib grout stabilization) to 500' of shorearm breakwater.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The harbor breakwaters require annual maintenance to prevent segment failures and the propagation of further breaches. The repairs to the navigation structures is critical for the safe towing of river barges between Calumet Harbor and the three Indiana ports: Burns Harbor, Gary Harbor, and Indiana Harbor. In FY14, the Chicago CDF will be "full" as defined by the assumptions used for the original project authorization. The ongoing DMMP is investigating future sediment disposal options. The study will be submitted for approval in FY14 with the expected approval in late FY15. If funded, the design of a new disposal facility would be completed in FY17, and construction completed by the end of FY19. Therefore, the Corps has minimally four years of dredging events that cannot be accommodated within the existing Chicago CDF as it was originally proposed. Facility life-extension measures are being implemented to allow channel maintenance dredging to continue in the interim. Sediment management activities will remain necessary until a new disposal facility is constructed, and the existing CDF closed and turned over to the Chicago Park District.

^{1/} Unobligated "Carry-In" Funding: The actual unobligated balance from FY13 into FY14 for this study is \$22K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Chicago Harbor, IL

AUTHORIZATION: The Rivers and Harbors Acts of 1870, 1880, 1912, 1919, and 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: Chicago Harbor is in Northeastern Illinois on the southwest shore of Lake Michigan in Cook County, within the corporate limits of the City of Chicago. The project consists of Chicago Lock facilities, four outer breakwater reaches (2,250 feet of uncapped timber crib structures, 5,321 feet of concrete capped timber crib structures, 3,759 feet of laid-up stone structures, and 1,185 feet of concrete caisson structures) and two inner breakwater reaches (6,882 feet of concrete capped timber crib structures) that protect Navy Pier, Chicago Lock, Chicago Water Filtration Plant, Monroe St. Harbor, Grant Park and other facilities from damage due to storms. It includes an entrance channel (800 ft. wide and 29 feet deep), and an outer harbor area (28 feet deep). The channel to the mouth of the Chicago River is at a depth of 21 feet.

ALLOCATION FOR FY 2014: \$3,094,760

BUDGETED AMOUNT FOR FY 2015: M: \$300,000 O: \$2,375,000 T: \$2,675,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

NAV: \$2,675,000 – Funds in the amount of \$2,375,000 will be used for bare bones operation and maintenance of Chicago Lock, 24/7 with 100% availability to commercial towboat & deep draft barges; government, passenger and recreational vessels. Funds in the amount of \$300,000 will be used for elimination of arc flash hazards to operations personnel, replacement of motor control center and main lock control panel board, repairs to North Pier Utility Tunnel wiring, and elimination of other electric code violations per the formal October 2012 Periodic Inspection and Assessment, and the corollary professional assessment of all lock electrical systems.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The northeast breakwater is the port's main shield from the worst storms and largest waves on L. Michigan. Only 800 feet of the 5,300 foot long breakwater has the timber crib stabilized. Grout stabilization is needed along the remaining length due to accelerated deterioration from prolonged low lake levels; the technique requires only 20% of the cost of reconstructing failed segments. Breakwater repairs in low tonnage harbors, such as Chicago Harbor, remain a low national priority.

Similarly, the Chicago Lock project struggles to obtain adequate maintenance funds due to the low commercial navigation benefits it provides. However, the project provides extremely significant flood control benefits to the City of Chicago in preventing downtown flooding by the Chicago River. The FY 2014 budget allocation deferred nearly all Chicago Lock maintenance into subsequent years. Minimal operation costs are \$2,375,000 annually. Postponement of maintenance threatens operational reliability.

^{1/} Unobligated "Carry-In" Funding: The actual unobligated balance from FY13 into FY14 for this study is \$25K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Chicago River, IL

AUTHORIZATION: Rivers and Harbors Acts of 1899, 1902, 1907, and 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Chicago River is in Northeastern Illinois, in Cook County within the corporate limits of the City of Chicago. The project consists of a river navigation channel that is 2.97 miles long and 21 feet deep from Michigan Avenue to North Avenue. A navigation channel approximately 3.7 miles long and 9 feet deep from North Avenue to Addison Street has also been authorized, but not constructed. The project also includes a perpetual responsibility for water control, and routine and emergency monitoring of the waterways within the Chicago District.

ALLOCATION FOR FY 2014: \$673,200

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$560,000 T: \$560,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

NAV: N/A

FRM: \$560,000 – Funds in the amount of \$560,000 will be used for critical minimum routine operations in a major urban area. Funds are used to gather hydrographic surveys of bathymetry, and collect precipitation and streamgage data for flood surveillance for City of Chicago, Emergency Management and NWS River Forecast Center.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated "Carry-In" Funding: The actual unobligated balance from FY13 into FY14 for this study is \$33K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Michigan Diversion, IL

AUTHORIZATION: Water Resources Development Act 1986 (P.L. 99-662)

LOCATION AND DESCRIPTION: Lake Michigan Diversion is in Illinois on the southwest shore of Lake Michigan in Cook County, within the corporate limits of the City of Chicago. Concern by Great Lakes States about the diversions of Lake Michigan water out of the basin led to several U.S. Supreme Court Decrees. The latest, modified in 1980, specifies the allowable diversion at 3,200 cubic feet per second. The work on this project involves flow measurement near Lemont, hydrologic modeling of the basin, hydraulic modeling of the combined sewer and Tunnel and Reservoir Plan systems and diversion accounting computations.

ALLOCATION FOR FY 2014: \$731,610

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$775,000 T: \$775,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

NAV: \$775,000 – Funds in the amount of \$150,000 will be used for Lake Michigan water diversion data analysis, reporting efforts, and diversion accounting modeling activities. Funds in the amount of \$550,000 will be used for Lake Michigan water diversion data collection and flow measurements. Funds in the amount of \$25,000 will be used to implement the technical committee recommendations from FY14. Funds in the amount of \$50,000 will be used to certify the Lemont accounting report for Water Year (WY), 2012, and publish annual report.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Beginning with the State of Illinois' reversal of the flow of the Chicago River in 1900, the other Great Lakes states (Indiana, Michigan, Minnesota, New York, Ohio, Pennsylvania and Wisconsin) have been concerned about the diversions of Lake Michigan water out of the basin. Their concern has led to litigation and a series of U.S. Supreme Court Decrees, which have regulated the diversion since 1925. The 1967 Decree, modified in 1980, specifies the allowable diversion at 3,200 cubic feet per second. The Corps of Engineers measures the actual diversion amount. Measurements are presently taken on the Chicago Sanitary and Ship Canal near Lemont. In accordance with the U.S. Supreme Court Decree and WRDA 1986, the District maintains the responsibilities to complete diversion accounting computations and certification.

^{1/} Unobligated "Carry-In" Funding: The actual unobligated balance from FY13 into FY14 for this study is \$13K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Waukegan Harbor, IL

AUTHORIZATION: Rivers and Harbors Act of 1902, 1930, 1945, Sec 201 of Rivers and Harbors Act , 1970.

LOCATION AND DESCRIPTION: Waukegan Harbor is located on the western shore of Lake Michigan in Waukegan, Illinois. The project consists of about 1,900-ft of protective breakwater, 4,225-ft of protective piers, a deep draft navigation channel, and a 13-acre inner basin.

CONFERENCE AMOUNT FOR FY 2014: \$1,004,480

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$0 T: \$0^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015: none

NAV: N/A

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Exclusion from the annual budget will very likely result in the closure of the harbor to all deep draft navigation by the spring of 2015. The continued commercial viability of the bulk cargo terminals in the port are completely dependent on annual dredging of 80-90.K yards within the harbor approach channel. The port also provides a Life Safety function on southern Lake Michigan. The USCG sets barge traffic load lines contingent on this port being available as a harbor of refuge. Lacking maintenance dredging, the port will be impossible to enter during a storm. Barge operators in the region will therefore need to light load their vessels to comply with more restrictive USCG safety requirements, reducing shipping efficiency and profitability.

^{1/} Unobligated "Carry-In" Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Indiana

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Brookville Lake, IN

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Brookville Lake is located in Franklin and Union counties on the East Fork of the Whitewater River. The dam is about ½ mile above Brookville, Indiana. The dam is earthfill, 181 ft high and 2,800 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$1,773,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,370,000 T: \$1,370,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,236,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$80,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$48,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$6,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$769,000 (accumulative \$31,544,000 since 1973), FY 2012 recreation visits were 689,287 and FY 2012 visitor expenditures were \$15,160,000.00.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$2K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Burns Waterway Harbor, IN

AUTHORIZATION: Rivers and Harbors Act of 1965 (P.L. 89 -298); Sec 121 of Energy and Water Development Appropriations Act, 2005 (P.L. 108-447)

LOCATION AND DESCRIPTION: Burns Waterway Harbor is in northwestern Indiana on the southern shore of Lake Michigan in Porter County, 28 miles southeast of Chicago Harbor. The project consists of a north breakwater (4,630 feet of rubblemound structure); a west breakwater (1,200 feet of rubblemound structure); an approach channel (400 feet wide and 30 feet deep); Outer Harbor Basin (28 feet deep); and East and West Harbor Arms (each 27 feet deep and 620 feet wide).

ALLOCATION FOR FY 2014: \$2,058,210

BUDGET AMOUNT FOR FY 2015: M: \$1,000,000 O: \$189,000 T: \$1,189,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

NAV: \$1,189,000 – Funds in the amount of \$189,000 will be used for critical minimum routine operation, navigation channel and structures' inspections and condition reporting, safety signage, and responsiveness to customers. Funds in the amount of \$1,000,000 will be used for primary dredging of the approach channel of a medium use commercial deep draft port, to restore full functional length, width and depth.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Severe shoaling has developed along the ArcelorMittal shoreline revetment east of the approach channel, and 86,000 CY of sand naturally moves to the west. These conditions narrow the harbor approach channel and hinder commercial vessels' ability to make the turn into the harbor, especially during adverse wind conditions. Safe port entry will necessitate annual dredging in this area for the next several years until Lake Michigan water levels rebound and more closely match historical average conditions.

^{1/} Unobligated "Carry-In" Funding: The actual unobligated balance from FY13 into FY14 for this study is \$8K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cagles Mill Lake, IN

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Cagles Mill Lake lies in Owen and Putnam Counties in south-central Indiana near Poland, Indiana, approximately midway between Indianapolis and Terre Haute. The dam is located on Mill Creek, 2.8 miles above its confluence with Big Walnut Creek, forming the Eel River. The dam is earth and rockfill with gate controlled outlet works and uncontrolled open spillway and is 150 ft high and 900 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality.

ALLOCATION FOR FY 2014: \$1,341,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,127,000 T: \$1,127,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,037,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$45,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$45,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$4,859,000 (\$296,401,000 accumulative since 1953), FY 2012 recreation visits were 541,572, and FY 2012 visitor expenditures were \$12,290,000.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$6K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cecil M. Harden Lake, IN

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Cecil M. Harden Lake lies in Parke and Putnam Counties near Ferndale, Indiana. It is located in west-central Indiana about 50 miles west of Indianapolis. The dam is located on Big Raccoon Creek approximately 33 miles upstream of its confluence with the Wabash River. The dam is rolled earth with gate controlled outlet works and uncontrolled open spillway and is 119 ft high and 1,860 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality.

ALLOCATION FOR FY 2014: \$1,780,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,392,000 T: \$1,392,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,221,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$48,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$123,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$2,796,000 (\$150,994,000 accumulative since 1960), FY 2012 recreation visits were 1,047,411, and FY 2012 visitor expenditures were \$22,004,000.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$8K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Indiana Harbor, IN

AUTHORIZATION: Rivers and Harbors Act of 1910, 1913, 1919, 1922, 1930, 1935, 1937 and 1960 (P.L. 86-645)

LOCATION AND DESCRIPTION: Indiana Harbor is in northwestern Indiana, on the southwest shore of Lake Michigan in Lake County, 19 miles southeast of Chicago Harbor. The project consists of a north breakwater (1,120 feet of rubblemound structure); an easterly breakwater (2,524 feet rubblemound structure); an approach channel (29 feet deep and 800 feet wide); an anchorage and maneuver basin (28 feet deep); a harbor entrance (27 feet deep and 280 feet wide); and a main canal (22 feet deep).

ALLOCATION FOR FY 2014: \$10,863,270

BUDGETED AMOUNT FOR FY 2015: M: \$7,955,000 O: \$5,859,000 T: \$13,814,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

NAV: \$13,814,000 – Funds in the amount of \$187,000 will be used for critical minimum routine harbor operations, navigation channel and structures' inspections, safety signage, and responsiveness to customers. \$800,000 funds repairs to the east navigation structure. Funds in the amount of \$7,155,000 will be used for primary dredging to remove the TSCA sediment in Reaches 5, 6, & 13. TSCA sediment removal is central to both the restoration of the harbor for navigation and water quality purposes, and is the purpose for which the CDF was designed. \$5,597,000 funds continual air-quality monitoring, analysis, and public reporting; CDF site O&M and security, and groundwater pumping and treatment. Funds in the amount of \$75,000 will be used for periodic assessment of CDF perimeter dikes for Dam Safety purposes, as directed by LRD.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: USEPA has requested permission to place sediment dredged materials for a non-navigational Great Lakes Indiana Harbor and Canal/Grand Calumet River (IHC/GCR) Area of Concern environmental restoration project into CDF. The request is under review at the Office of the Assistant Secretary of the Army (Civil Works).

^{1/} Unobligated "Carry-In" Funding: The actual unobligated balance from FY13 into FY14 for this study is \$44K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: J. Edward Roush Lake, IN

AUTHORIZATION: Flood Control Act of 1958 (P.L. 85-500)

LOCATION AND DESCRIPTION: J. Edward Roush Lake is located on the Wabash River in northeastern Indiana about 20 miles southwest of Ft. Wayne and 80 miles northeast of Indianapolis. The dam site is at mile 411.4 of the Wabash River and lies in Huntington and Wells counties. The dam is rolled earth fill with a concrete center section containing the emergency spillway with three crest gates and has a Corps operated and maintained levee and pump plant that protects the town of Markle, approximately seven miles upstream from the dam. The dam is 91 ft high and 6,500 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality.

ALLOCATION FOR FY 2014: \$1,393,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,142,000 T: \$1,142,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,050,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$40,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$52,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$6,356,000 (\$298,733,000 accumulative since 1967), FY 2012 recreation visits were 406,976, and FY 2012 visitor expenditures were \$7,940,000.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: Great Lakes and Ohio River

District: Louisville

J. Edward Roush Lake, IN

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mississinewa Lake, IN

AUTHORIZATION: Flood Control Act of 1958 (P.L. 85-500)

LOCATION AND DESCRIPTION: Mississinewa Lake is located in north central Indiana about seven miles southeast of Peru and 65 miles northeast of Indianapolis. The dam site is at mile 7.1 on the Mississinewa River, a tributary of the Wabash River. The project lies in Miami, Wabash and Grant counties. The dam is earthfill with gate controlled outlet works and uncontrolled open spillway and is 140 ft high and 8,000 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality.

ALLOCATION FOR FY 2014: \$1,487,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,279,000 T: \$1,279,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,117,000 – Funding provides for critical minimum routine operation and daily maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$48,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$114,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$10,109,000 (\$475,101,000 accumulative since 1967), FY 2012 recreation visits were 751,624, and FY 2012 visitor expenditures were \$16,690,000.

1/Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: Great Lakes and Ohio River

District: Louisville

Mississinewa Lake, IN

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Monroe Lake, IN

AUTHORIZATION: Flood Control Act of 1958 (P.L. 85-500)

LOCATION AND DESCRIPTION: Monroe Lake lies mostly in Monroe County with portions in Brown and Jackson Counties and combines the North, Middle, and South Forks of Salt Creek in south central Indiana. The dam is located about 26 miles from Salt Creek's confluence with the East Fork of the White River and is about 10 miles south of Bloomington, Indiana. The dam is earth core and rock shell with gate-controlled outlet works and uncontrolled open spillway and is 93 ft high and 1,350 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$1,137,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,395,000 T: \$1,395,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$978,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$48,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$363,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$6,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$1,721,000 (\$84,347,000 accumulative since 1965), FY 2012 recreation visits were 967,716, and FY 2012 visitor expenditures were \$21,510,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$18K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: Great Lakes and Ohio River

District: Louisville

Monroe Lake, IN

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Patoka Lake, IN

AUTHORIZATION: Flood Control Act of 1965 (P.L. 89-298)

LOCATION AND DESCRIPTION: Patoka Lake is located in southern Indiana about 13 miles northeast of Jasper, Indiana and 118.3 miles above the mouth of the Patoka River. It is located about 95 miles south of Indianapolis, Indiana. The lake lies in portions of Dubois, Orange, and Crawford counties in Indiana. The dam is earth and rock fill with gate controlled outlet works and uncontrolled open spillway and is 84 ft high and 1,550 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality. The lake is managed as a P.L. 89-72 project.

ALLOCATION FOR FY 2014: \$1,129,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,168,000 T: \$1,168,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,049,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$48,000 – Funding provides for minimal health and safety needs at day-use recreation areas and overlook facilities. These funds support public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$65,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$6,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$4,834,000 (\$174,010,000 accumulative since 1978), FY 2012 recreation visits were 604,414, and FY 2012 visitor expenditures were \$12,950,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$41K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Louisville

Patoka Lake, IN

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Salamonie Lake, IN

AUTHORIZATION: Flood Control Act of 1958 (P.L. 85-500)

LOCATION AND DESCRIPTION: Salamonie Lake is located in north central Indiana about 34 miles southwest of Ft. Wayne. The dam site is at mile 3.1 on the Salamonie River, a tributary of the Wabash River. The project lies in Wabash and Huntington counties. The dam is earthfill with gate controlled outlet works and uncontrolled open spillway and is 133 ft high and 6,100 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality.

ALLOCATION FOR FY 2014: \$1,229,000

BUDGETED AMOUNT FOR FY 2015: M: \$11,000 O: \$1,118,000 T: \$1,129,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,018,000 – Funding provides for critical minimum routine operation and daily maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$48,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$63,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$8,218,000 (\$386,243,000 since 1967), FY 2012 recreation visits were 487,650 and FY 2012 visitor expenditures were \$10,097,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Kentucky

O&M JUSTIFICATION SHEET

PROJECT NAME: Barkley Dam & Lake Barkley, KY & TN

AUTHORIZATION: River and Harbor Act 1946 (P.L. 79-525), River and Harbor Act 1954 (P.L. 83-780)

LOCATION AND DESCRIPTION: Barkley Dam and Lake Barkley is located in southwestern Kentucky near Paducah, KY. Project consists of a 110' x 800' lock, earth and concrete gravity-type dam, hydropower plant and a flood storage reservoir with recreation and stewardship areas.

ALLOCATION FOR FY 2014: \$10,172,720

BUDGETED AMOUNT FOR FY 2015: M: \$514,000 O: \$9,419,000 T: \$9,933,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,657,000- Funding provides for critical minimum routine operation & maintenance for navigation; critical fleet maintenance; navigation costs for data acquisition for dam safety, flood risk management operations & Real Estate to resolve encroachments. Funds would improve navigation performance by providing maintenance of locks & channels, thus reducing industry delays.

FRM: \$495,000 - Funding provides for critical minimum routine O&M at minimum levels.

RC: \$1,199,000 - Funding provides for critical health and safety maintenance & services at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas & campgrounds.

H: \$3,476,000 - Funding provides for routine operation and maintenance for hydroelectric power plant & hydropower joint costs for operation and maintenance of the dam. Funds would allow power plant to accomplish assigned missions of providing low cost reliable electric power by maintaining optimum availability & peak availability & maintain control of the river.

EN: \$1,081,000 - Funding provides for sustainability of natural resources in accordance with the Corps Environmental Operating Principles & stewardship policies & prevents loss & degradation of more than 101,000 acres of project lands and water. Funding also provides for completion of the updated project Master Plan.

WS: \$25,000 - Funding provides for processing any new intake requests and/or increases to existing withdrawals at this Lock and Dam project. It also provides for the required coordination in order to process the real estate easements and other regulatory permits.

OTHER INFORMATION: Barkley Lock processed 5,300,000 tons of waterborne commerce in 2012. Steady and reliable movement of coal and aggregate is vital to the Tennessee Valley Authority due to limited storage at their fossil fuel power plants. Shippers relying on Barkley Lock realize average annual transportation cost savings of more than \$49,000,000. Hydropower plant generates 690,000 MWH of energy annually, enough supply for 58,000 homes. Ranks #20 of 422 among the Corps for recreation with 3,247,344 project visits in FY12 with \$69,390,000 in trip spending.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$2,964 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Barren River Lake, KY

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Barren River Lake is located in south-central Kentucky approx 95 miles south of Louisville and about 16 miles southwest of Glasgow, Kentucky. The dam site is at mile 79.2 on Barren River. The dam is rolled earth and rockfill, 146 ft high and 3,970 ft long. The lake area lies in Allen and Barren Counties with a small portion located in Monroe County. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$2,740,000

BUDGETED AMOUNT FOR FY 2015: M: \$50,000 O: \$2,528,000 T: \$2,578,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,722,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$624,000 – Funding provides for routine operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, visitor assistance and protection, and real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$220,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$12,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$3,599,000 (\$179,953,000 accumulative since 1964), FY 2012 recreation visits were 1,397,714, and FY 2012 visitor expenditures were \$28,790,000.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: Great Lakes and Ohio River

District: Louisville

Barren River Lake, KY

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Big Sandy Harbor, KY

AUTHORIZATION: River and Harbor Act of 1910 (P.L. 61-264)

LOCATION AND DESCRIPTION: Big Sandy Harbor consists of the lower 9.0 miles of the Big Sandy River, starting at its confluence with the Ohio River. The Big Sandy Harbor requires dredging for portions of the lower 9.0 miles of the Big Sandy River annually.

ALLOCATION FOR FY 2014: \$1,990,710

BUDGETED AMOUNT FOR FY 2015: M: \$1,885,000 O: \$0 T: \$1,885,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,885,000 will provide for critical minimum routine operation and maintenance dredging for navigation to maintain the minimum project dimensions to provide safe, reliable, efficient, effective, and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation. If the harbor is not dredged annually, it will silt in and commercial traffic would be drastically impacted. This would have a detrimental impact on the commercial and navigation industry. The 5 year average tonnage of commodities transported on this waterway exceeds 12,800,000 tons. This is a critical waterway for the region, primarily supporting energy related cargo.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$38,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Buckhorn Lake, KY

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Buckhorn Lake is located in southeastern Kentucky, 43.3 river miles upstream from Beattyville, KY, where the Middle Fork and the North Fork of the Kentucky River converge. The dam site is 0.5 miles upstream from the community of Buckhorn. The dam is earth and rockfill with gate controlled outlet works as well as a gate controlled spillway and is 160 ft high and 1,020 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality.

ALLOCATION FOR FY 2014: \$1,695,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,644,000 T: \$1,644,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,054,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$420,000 – Funding provides for routine operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$170,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$1,260,000 (\$69,307,000 accumulative since 1959), FY 2012 recreation visits were 334,161, and FY 2012 visitor expenditures were \$6,620,000.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Carr Creek Lake, KY

AUTHORIZATION: Flood Control Act of 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: Carr Creek Lake is located in the mountainous region of southeastern Kentucky, about 12 miles south of Hazard, Kentucky. The dam is located on Carr Fork, 8.8 miles above the confluence with the North Fork of the Kentucky River, approximately 16 miles upstream from Hazard. The entire project lies in Knott County. The dam is rock and earthfill, 130 ft high and 720 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$1,842,000

BUDGETED AMOUNT FOR FY 2015: M: \$8,000 O: \$1,865,000 T: \$1,873,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,163,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$535,000 – Funding provides for routine operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$163,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$12,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY2013 flood damages prevented were \$2,626,000 (\$99,790,000 accumulative since 1976), FY2012 recreation visits were 858,071, and FY2012 visitor expenditures were \$16,700,000.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$2K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cave Run Lake, KY

AUTHORIZATION: Flood Control Act of 1936 & 1938 (P.L. 74-738 & 75-761)

LOCATION AND DESCRIPTION: Cave Run Lake is located in northeastern Kentucky, about 12 miles south of Morehead, Kentucky. The dam site is at mile 173.6 of the Licking River. The dam is rolled earth and rockfill with gate controlled outlet works and is 148 ft high and 2,700 ft long. The lake is confined within Bath, Menifee, Morgan and Rowan Counties and within the proclamation boundary of the Daniel Boone National Forest. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$1,080,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,048,000 T: \$1,048,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$808,000 – Funding provides for critical minimum routine operation and daily maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$149,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$79,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$12,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$5,858,000 (\$240,195,000 accumulative since 1973), FY 2012 recreation visits were 287,651, and FY 2012 visitor expenditures were \$5,620,000.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: Great Lakes and Ohio River

District: Louisville

Cave Run Lake, KY

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dewey Lake, KY

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Dewey Lake is located in Floyd County, KY, on Johns Creek of the Levisa Fork, a tributary of the Big Sandy River. It is 5.4 miles above the mouth of Johns Creek and 79.4 miles above the mouth of the Big Sandy River. The project includes operation and maintenance of Dewey Lake. The lake is impounded by a rolled earth fill dam with an uncontrolled spillway. The crest length of the dam is 913 feet. The dam was completed in July 1949.

ALLOCATION FOR FY 2014: \$1,736,460

BUDGETED AMOUNT FOR FY 2015: M: \$30,000 O: \$1,733,000 T: \$1,763,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,062,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$97,493,000 in damages over the course of its operation.

RC: \$505,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 1,066,000 and average annual visitation 2008-2012 exceeded 1,289,000.

H: N/A

EN: \$196,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs; and to complete the update to the project's Master Plan to help guide the manager in making informed and wise decisions on project land use proposals.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Falls of the Ohio National Wildlife Conservation Area, KY & IN

AUTHORIZATION: Act of December 29, 1981, established the 1,000-acre Falls of the Ohio National Wildlife Conservation Area, at a cost not to exceed \$300,000. (H.R. 2241, PL 97-137, Title II, 95 Stat 1710). Act of November 28, 1990, modified PL 97-137 by authorizing an interpretive center at Falls of the Ohio National Wildlife Conservation Area, at an estimated total cost of \$3,200,000. (P.L. 101-640, 101st Cong., 2nd Session.)

LOCATION AND DESCRIPTION: Falls of the Ohio National Wildlife Conservation Area is located in Clark and Floyd Counties in Indiana and Jefferson County (Louisville) in Kentucky. It consists of the land area in and along the Ohio River in the states of Indiana and Kentucky. Lands lie along the shoreline of the Ohio River, as well as within the river in areas known as Sand and Shippingport Islands. Existing within the area is part of the Ohio River and the Falls of the Ohio. The "Falls" is in fact not a falls but a series of rapids. The area contains exposed limestone fossil beds during normal and low river flows. These fossil beds are the only location in the entire 981 mile length of the Ohio River where bedrock is exposed.

ALLOCATION FOR FY 2014: \$18,100

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$19,000 T: \$19,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: N/A

H: N/A

EN: \$19,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: N/A

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fishtrap Lake, KY

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Fishtrap Lake is located in Pike County, KY, on the Levisa Fork of the Big Sandy River. It is 103.3 miles above the mouth of the Levisa Fork. The project includes operation and maintenance of Fishtrap Lake. The lake is impounded by a rolled rock dam with impervious core and a controlled spillway. The top length of the dam is 1,100 feet. The dam was completed in February 1969.

ALLOCATION FOR FY 2014: \$1,998,810

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,079,000 T: \$2,079,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,573,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include inspection of the service, spillway, and Grapevine campground bridges, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$613,143,000 in damages over the course of its operation.

RC: \$449,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 544,000 and average annual visitation 2008-2012 exceeded 508,000.

H: N/A

EN: \$57,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Grayson Lake, KY

AUTHORIZATION: Section 203 of Flood Control Act of 1960 (P.L. 86-645)

LOCATION AND DESCRIPTION: Grayson Lake is located in Carter County KY, on the Little Sandy River, 51.2 miles above the mouth of the stream. The project includes operation and maintenance of Grayson Lake. The lake is impounded by an earthen dam with a central impervious core, with a maximum height of 120 feet, and a top length of 1,460 feet. The spillway is an uncontrolled, broad crested, saddle spillway at the left abutment. The dam was completed in 1968.

ALLOCATION FOR FY 2014: \$1,483,020

BUDGETED AMOUNT FOR FY 2015: M: \$4,000 O: \$1,463,000 T: \$1,467,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$962,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$121,602,000 in damages over the course of its operation.

RC: \$424,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 615,000 and average annual visitation 2008-2012 exceeded 1,008,000.

H: N/A

EN: \$40,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: \$41,000 will provide for routine operation and maintenance for water supply to provide an estimated 1.5 million gallons per day of water supply for the health, safety and economy of approximately 10,000 citizens in Carter and Elliott Counties, KY.

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Green & Barren Rivers, KY

AUTHORIZATION: Rivers & Harbors Appropriation Act of 1888; 1909 Act (P.L. 60-317)

LOCATION AND DESCRIPTION: Six lock and dams on the Green River and one on the Barren River were constructed under the project authority, however only two remain operational for navigation. Green River Lock and Dam No. 1 is located on the Green River at river mile 9.1, at Spotsville, Kentucky. The project consists of a fixed crest dam, which is navigable at high river stages, and a single 84' x 600' lock chamber. Green River Lock and Dam No. 2 is located on the Green River at river mile 63.1, at Calhoun, Kentucky. The project consists of a fixed crest dam, which is navigable at high river stages, and a single 84' x 600' lock chamber.

ALLOCATION FOR FY 2014: \$2,034,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,000 O: \$2,081,000 T: \$2,085,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,039,000 – Funding provides for critical minimum routine operation and daily maintenance of the two Green River projects.

FRM: N/A

RC: N/A

H: N/A

EN: \$46,000 – Funding provides for the performance of the water quality analysis and endangered species studies required for navigable waters.

WS: N/A

OTHER INFORMATION: N/A

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$49K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Green River Lake, KY

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Green River Lake lies in Taylor and Adair counties. The lake is located in south central Kentucky. It is approximately 90 miles south-southeast of Louisville and about 8 miles south of Campbellsville. The dam site is at mile 305.7 on Green River. The dam is earth and rockfill with gate controlled outlet works and uncontrolled open spillway and is 143 ft high and 2,350 ft long. The project also includes an earth filled dike, 105 ft high and 1,952 ft long. It is the site of a class "B" visitor center. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$2,706,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,465,000 T: \$2,452,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,659,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$620,000 – Funding provides for routine operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$161,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$12,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$3,385,000 (\$159,109,000 accumulative since 1967) FY 2012 recreation visits were 834,525, and FY 2012 visitor expenditures were \$17,020,000.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$1K. As of the date this justification sheet was prepared, the total unobligated

Division: Great Lakes and Ohio River District: Louisville

Green River Lake, KY

dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kentucky River, KY

AUTHORIZATION: Rivers and Harbors Act of 1879.

LOCATION AND DESCRIPTION: Located in east central Kentucky, the authorization provided for 14 locks and fixed dams on the Kentucky River for navigation from the confluence with the Ohio River at Carrollton, Kentucky to Beattyville, Kentucky. Kentucky Locks 5-14 have been transferred from the Corps to the Commonwealth of Kentucky. Kentucky Locks 1-4 are leased to the Commonwealth of Kentucky for Public Park and Recreation.

ALLOCATION FOR FY 2014: \$10,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$10,000 T: \$10,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$10,000 – Funding provides for annual review of the Commonwealth's lease and to respond to requests and questions from the Commonwealth. The Navigation line item covers the cost for Real Estate Division to process the transfer of the property to the Commonwealth of Kentucky.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Since the locks are no longer operated by the Corps they are considered excess property. A disposition study is planned to initiate transfer of the 4 remaining locks if and when funding is made available.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

PROJECT NAME: Laurel River Lake, KY

AUTHORIZATION: Section 203, Flood Control Act of 1960 (P.L. 86-645)

LOCATION AND DESCRIPTION: Laurel River Lake is located in southeastern Kentucky, near Corbin, KY. Project consists of a rock fill dam, hydropower plant and a reservoir with recreation and stewardship areas.

ALLOCATION FOR FY 2014: \$1,920,600

BUDGETED AMOUNT FOR FY 2015: M: \$654,000: O: \$1,933,000 T: \$2,587,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: \$594,000 - Funding provides critical health and safety maintenance and services at minimally acceptable levels for designated recreation areas, including access points, overlooks, and day use areas. Funding provides for joint costs associated with operation of the dam structure, spillway gates, intake and outlet works for reservoir regulation; removal and disposal of trash and debris on or in vicinity of dam structures; dam safety/failure training and contingency plans, etc.

H: \$1,900,000 - Funding provides for routine operation and maintenance for hydroelectric power plant and hydropower's part of joint costs for operation and maintenance of the dam. Funds would allow power plant and dam to accomplish assigned missions of providing low cost reliable electric power by maintaining high availability and peak availability and to maintain control of the river. Funding is also included to replace the station service generator and transformer at the power plant.

EN: \$55,000 - Funding provides for the management of natural resources including operation, safety, maintenance of the project boundary line, and cultural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and prevent loss and degradation of more than 7,000 acres of project lands and water.

WS: \$38,000 - Existing water supply agreements require determining the O&M costs each fiscal year and coordinating with users for payment. One of the users is not in compliance with the 1958 Water Supply Act and requires extensive coordination with not only District elements but other agencies as well. Revenue returned to the U.S. Treasury under Water Supply Agreements collections in FY13 was \$124,000.

OTHER INFORMATION: Hydropower plant generates 66,000 MWH of energy annually, which is enough supply for 5,500 homes. Laurel River Lake had 305,421 project visits in FY12 with an associated \$5,810,000 in trip spending.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$177 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

PROJECT NAME: Martins Fork Lake, KY

AUTHORIZATION: Section 201 (a), Flood Control Act of 1965 (P.L. 89-298)

LOCATION AND DESCRIPTION: Martins Fork Lake is located in Harlan County in southeastern Kentucky, near the City of Harlan. The project consists of a concrete gravity dam and a flood storage reservoir with recreation and stewardship areas.

ALLOCATION FOR FY 2014: \$1,078,110

BUDGETED AMOUNT FOR FY 2015: M: \$20,000 O: \$1,028,000 T: \$1,048,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$957,000 – Funding provides for critical minimum routine operation and maintenance of the dam.

RC: \$18,000 - Funding provides for the minimum oversight of existing recreation out-grants and fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$71,000 - Funding provides for the management of natural resources including operation, safety, maintenance of the project boundary line, and cultural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and prevent loss and degradation of more than 1,400 acres to project lands and water. Failure to fund will result in immediate degradation and loss of natural resources, including forests, water quality, shoreline habitat, and aesthetic value.

WS: \$2,000 - Funding provides for evaluating impacts of all new intake requests.

OTHER INFORMATION: Project prevents a major portion of average annual flood losses at Harlan and results in significant stage reductions with related benefits along rural reaches and to other urban areas downstream. Martins Fork Lake had 180,556 project visits in FY12 with an associated \$3,663,000 in trip spending.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$204 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

PROJECT NAME: Middlesboro Cumberland River, KY

AUTHORIZATION: Section 5, Flood Control Act of 1936 (P.L. 74-738)

LOCATION AND DESCRIPTION: Middlesboro Cumberland River, KY is a federal flood risk management project composed of a canal and levee system located at Middlesboro, KY.

ALLOCATION FOR FY 2014: \$247,500

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$257,000 T: \$257,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$257,000 - funding provides for critical minimum routine costs to meet policy requirements for environmental compliance and safety, routine mowing and vegetation control of levee, annual costs for necessary operations of project facilities and equipment.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Located at Middlesboro, KY, on Yellow Creek, a tributary entering the Cumberland River about 660 miles above its mouth. Project consists of a canal and levee system about 4 miles in length which diverts the headwaters of Yellow Creek around the city.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$187 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Nolin Lake, KY

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Nolin Lake is located in Edmonson, Grayson and Hart Counties in south central Kentucky. It is located approximately 12 miles south of Leitchfield, Kentucky and 70 miles south of Louisville, Kentucky. The dam site is 7.8 miles above the mouth of the Nolin River and 9.6 miles upstream from Lock 6 on the Green River. The dam is rockfill and earth core type with gate controlled outlet works and uncontrolled open spillway and is 166 ft high and 980 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$2,753,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,596,000 T: \$2,596,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,693,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$595,000 – Funding provides for routine operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$302,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$6,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$2,196,000 (\$111,993,000 accumulative since 1963), FY 2012 recreation visits were 1,236,588, and FY 2012 visitor expenditures were \$26,070,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$18K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: Great Lakes and Ohio River

District: Louisville

Nolin Lake, KY

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ohio River Locks & Dams, KY, IL, IN & OH

AUTHORIZATION: 1909 Act (P.L. 60-317), Rivers & Harbor Appropriation Action of 1910 (P.L. 61-264)

LOCATION AND DESCRIPTION: The Louisville District is responsible for eight locks and dams in the Ohio River System starting with Markland at river mile 531.5 and ending with Locks and Dam 53 at river mile 962.6. Locks and Dams 52 and 53 are low-lift wicket dams. Markland, McAlpine, Cannelton, Newburgh, John T. Myers, and Smithland locks and dams are modern high lift projects between forty and fifty years old.

ALLOCATION FOR FY 2014: \$43,001,000

BUDGETED AMOUNT FOR FY 2015: M: \$20,176,000 O: \$22,680,000 T: 42,856,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$42,795,000 - The Navigation line item contains the funding for critical minimum routine operation and maintenance for the locks and dams; critical maintenance performed by the Louisville Repair Station. These funds maintain our navigation project availability and reliability. This level of funding covers bare-bones operation. The Repair Station is scheduled to perform maintenance at L/D 52 and Newburg Locks and Dams in FY2014 with LRL O&M funds.

FRM: N/A

RC: \$12,000 - The Recreation line item funds the mowing and maintenance of the visitor areas and boat ramps at Cannelton, John T. Myers, Markland, McAlpine, Newburg, and Smithland locks and dams.

H: N/A

EN: \$49,000 - The Environmental Stewardship line item funds the water quality, endangered species, and cultural resources activities on the Ohio River for the above referenced locks and dams. These activities are mandated by USACE regulations and policies.

WS: N/A

OTHER INFORMATION: Some of the highest tonnage on the inland waterways passes through the Louisville District locks with Locks and Dam 52 averaging over 90 million tons per year. The Olmsted Locks and Dams construction project will replace Locks and Dams 52 and 53. In the meantime, L/D 52 and 53 must remain operational to keep commodities moving on the Ohio River. FY 2012 recreation visits at the locks and dams referenced above were 935,447, and FY 2012 visitor expenditures were \$19,070,000.

1/Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$545K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

PROJECT NAME: Ohio River Open Channel Work, KY, IL, IN & OH

AUTHORIZATION: River and Harbors Act of 1827

LOCATION AND DESCRIPTION: This project consists of the Ohio River channel from Mile 438, at Foster, KY to Mile 981, at Cairo, IL, and is maintained by the Louisville District. Work under this project consists of channel condition surveys, navigation chart updates, channel maintenance dredging, and other activities necessary to support the work.

ALLOCATION FOR FY 2014: \$5,445,000

BUDGETED AMOUNT FOR FY 2015: M: \$5,200,000 **O:** \$0 **T:** \$5,200,000 **1/**

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,200,000 - Funds will be used to perform annual channel condition surveys, in order to identify areas of sediment deposit which decrease channel depths to less than the authorized dimensions. Areas requiring dredging will be dredged by contract, with after dredge surveys to verify satisfactory completion of the work. Other work to be performed includes updates of navigation charts, coordination with federal and state wildlife agencies regarding environmental impacts and mitigation measures, and state water quality certification.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$50K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Paintsville Lake, KY

AUTHORIZATION: Section 204 of Flood Control Act of 1965 (P.L. 89-298)

LOCATION AND DESCRIPTION: Paintsville Lake is located in Johnson County, KY, 7.8 miles above the mouth of Paint Creek, and about 4 miles west of Paintsville. The project includes operation and maintenance of Paintsville Lake. The lake is impounded by a rock fill dam with a central impervious core. Its maximum height is 160 feet above the streambed, and the crest length is approximately 1,600 feet with a crest elevation of 757 feet, mean sea level. The dam was completed in May 1984.

ALLOCATION FOR FY 2014: \$1,167,210

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,237,000 T: \$1,237,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$949,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$22,189,000 in damages over the course of its operation.

RC: \$170,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 1,024,000 and average annual visitation 2008-2012 exceeded 998,000.

H: N/A

EN: \$68,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: \$50,000 will provide for routine operation and maintenance for water supply to provide an estimated 6 million gallons per day of water supply for the health, safety and economy of Johnson County, KY and large portions of adjacent counties.

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Rough River Lake, KY

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Rough River Lake is located in Breckinridge, Hardin and Grayson counties in south central Kentucky. The dam is located on the Rough River, 89.3 miles above its confluence with the Green River, near the community of Falls of Rough, approximately 20 miles from Leitchfield and 95 miles southwest of Louisville. The dam is rolled earth and rockfill type, with gate-controlled outlet works and is 130 ft high and 1,590 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$2,666,000

BUDGETED AMOUNT FOR FY 2015: M: \$30,000 O: \$2,630,000 T: \$2,660,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,758,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$575,000 – Funding provides for routine operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$309,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$18,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$4,036,000 (\$222,003,000 accumulative since 1959), FY 2012 recreation visits were 582.913, and FY 2012 visitor expenditures were \$12,160,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$6K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: Great Lakes and Ohio River

District: Louisville

Rough River Lake, KY

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Taylorsville Lake, KY

AUTHORIZATION: Flood Control Act of 1966 (P.L. 89-789)

LOCATION AND DESCRIPTION: The dam is located at mile 60.0 of the Salt River, a tributary of the Ohio River, approximately 40 miles southeast of Louisville, and 4 miles upstream from Taylorsville. All fee and easement property is located in Spencer, Nelson, and Anderson counties. The dam is earth and rockfilled, with gate controlled outlet works and uncontrolled open spillway and is 163 ft high and 1,280 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality. The lake is managed as a P.L. 89-72 project.

ALLOCATION FOR FY 2014: \$1,331,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,170,000 T: \$1,170,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$953,000 – Funding provides for critical minimum routine operation and daily maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$74,000 – Funding provides for minimal health and safety needs at day-use recreation areas and overlook facilities. These funds support public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$143,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$3,112,000 (\$96,475,000 accumulative since 1981), FY 2012 recreation visits were 684,785 and FY 2012 visitor expenditures were \$14,370,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

PROJECT NAME: Wolf Creek Dam, Lake Cumberland, KY

AUTHORIZATION: Section 1, River and Harbor Act of 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Wolf Creek Dam is located on the Cumberland River at mile 460 in Russell County, KY. The project consists of an earth and concrete gravity dam, hydropower plant and a flood storage reservoir with recreation and stewardship areas.

ALLOCATION FOR FY 2014: \$8,472,330

BUDGETED AMOUNT FOR FY 2015: M: \$202,000 O: \$8,385,000 T: \$8,587,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,296,000 - Funding provides for critical minimum routine operation and maintenance.

RC: \$1,408,000 - Funding provides for critical health and safety maintenance and services at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas and campgrounds. .

REC-SUS15: \$110,000 - Funding provides for the rehabilitation of a restroom at the Kendall Day Use Area ^{2/}

H: \$5,398,000 - Funding provides for routine operation and maintenance for hydroelectric power plant and hydropower joint costs for operation and maintenance of dam. Funds would allow power plant and dam to accomplish missions of providing low cost reliable electric power by maintaining high availability and peak availability and to maintain control of the river.

EN: \$375,000 - Funding provides for the management of natural resources including operation, safety, maintenance of the project boundary line, shoreline management, and cultural resources. Funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and prevent loss and degradation of more than 89,000 acres to project lands and water. Failure to fund will result in immediate degradation and loss of natural resources, including forests, water quality, shoreline habitat, and aesthetic value.

WS: \$110,000 – Funding provides for coordination with water supply users and initiation of a water supply reallocation study.

OTHER INFORMATION: Dam Safety Assurance Classification I 55-year old dam with MSC mandated lowered pool. Worsening, chronic seepage problems originating from 1940's foundation construction methods currently threaten the stability of Wolf Creek Dam. Dam failure would result in loss of life in excess of one-hundred lives and inundation damages in the Nashville area alone could exceed two billion dollars. Hydropower plant generates 965,000 MWH of energy annually, enough supply for 80,000 homes. Lake Cumberland ranks #13 of 422 among the Corps for recreation with 3,855,410 project visits in FY12 with associated \$101,460,000 in trip spending.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 to FY 2014 (3011A report) for this project is \$103 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

^{2/}In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested in FY15.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Yatesville Lake, KY

AUTHORIZATION: Section 204 of Flood Control Act of 1965 (P.L. 89-298)

LOCATION AND DESCRIPTION: Yatesville Lake is located in Lawrence County, KY, on Blaine Creek, about 18 miles above the mouth. It is about 4 miles south of Yatesville and 5 miles west of Louisa. The project includes operation and maintenance of Yatesville Lake. The dam is rockfill with a central impervious core, founded on in situ overburden. The maximum height is 105 feet above the streambed with a crest length of 760 feet. The uncontrolled broad crested spillway is located approximately one-half mile southeast of the dam. The dam was completed in 1991.

ALLOCATION FOR FY 2014: \$1,123,650

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,175,000 T: \$1,175,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$944,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include inspection of the service and spillway bridges, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$25,249,000 in damages over the course of its operation.

RC: \$186,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 339,000 and average annual visitation 2008-2012 exceeded 252,000.

H: N/A

EN: \$45,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$98K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Michigan

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Channels in Lake St. Clair, MI

AUTHORIZATION: River and Harbor Act of 1886, as amended

LOCATION AND DESCRIPTION: Lake St. Clair is located in southeast Michigan with the northwest portion of the lake lying within the United States and the southeast portion of the lake lying within Canada. Lake St. Clair is an expansive shallow basin containing one of the Great Lakes connecting channels running from the mouth of the St. Clair River to the head of the Detroit River. The channels in Lake St. Clair provide for an improved channel 800 feet wide and 14.5 miles long to a depth of 27.5 feet. Maintenance dredging is required in the upper end of the channels on a five to ten year cycle and was last completed in 2012. Dredged material is placed in the Dickinson Island Disposal Facility.

ALLOCATION FOR FY 2014: \$171,270

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$179,000 T: \$179,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$179,000 – Funding provides for critical minimum routine operation for navigation which includes completion of project condition surveys at critical locations throughout the 14.5 miles of navigation channels, and notification of navigation interests of any critical shoals within the channels.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$22K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Detroit River, MI

AUTHORIZATION: River and Harbor Act of 1902 (PL57-154), as amended

LOCATION AND DESCRIPTION: The Detroit River is one of the Great Lakes connecting channels, flowing south from Lake St. Clair to Lake Erie. A total of 76 miles of Federal channels are maintained, including up-bound and down-bound lanes. It also contains various water level and compensating dikes and structures. This river requires maintenance dredging on a one to two year cycle and is scheduled to be dredged in 2015. The project also requires obstruction removal in the hard bottom channels on a yearly basis.

ALLOCATION FOR FY 2014: \$6,155,860

BUDGETED AMOUNT FOR FY 2015: M: \$4,890,000 O: \$1,079,000 T: \$5,969,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,938,000 – Funding provides for critical minimum routine operation and maintenance for navigation, including project condition surveys, strike removal by Government floating plant, critical disposal facility maintenance, and maintenance dredging by contract to provide minimum functional depth at the most critical portions of this Federal channel. Annual shoaling can result in a loss of available channel depth between one and two feet which results in increased transportation costs of between \$1.1 million and \$7.7 million annually. Commercial vessel operations and/or wave and ice action annually result in movement of adjacent stone or dislodging of rock from channel bottoms that result in unsafe channel conditions for vessel movements.

FRM: N/A

RC: N/A

H: N/A

EN: \$31,000 – Funding provides for maintaining compliance with the National Historic Preservation Act and with the Historic Management Plan.

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$187K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Grand Haven Harbor and Grand River, MI

AUTHORIZATION: River and Harbor Act of 1866, as amended

LOCATION AND DESCRIPTION: The harbor is located on the east shore of Lake Michigan, 108 miles northeast of Chicago, IL, and 23 miles north of Holland, MI at the mouth of the Grand River. Grand Haven Harbor is a deep draft commercial port with the primary commodities being coal and aggregates. Approximately 40,000 cubic yards are dredged from the outer channel each year while the inner channel requires dredging on a two to four year cycle. The outer Harbor is scheduled to be dredged in 2015.

ALLOCATION FOR FY 2014: \$981,420

BUDGETED AMOUNT FOR FY 2015: M: \$500,000 O: \$22,000 T: \$522,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$500,000 – Funding provides for critical minimum routine operation and maintenance for navigation including project condition surveys and maintenance dredging of the outer harbor by contract to provide minimum function at the most critical portions of this Federal channel. Loss of available channel depth due to annual shoaling typically averages between four and five feet which results in increased transportation costs of between \$3.5 million and \$5.4 million annually.

FRM: N/A

RC: N/A

H: N/A

EN: \$22,000 – Funding provides for maintaining compliance with the National Historic Preservation Act and with the Historic Management Plan.

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$13,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Keweenaw Waterway, MI

AUTHORIZATION: River and Harbor Act of 1865, as amended

LOCATION AND DESCRIPTION: The Keweenaw Waterway is located in the Keweenaw Peninsula of the upper peninsula of Michigan, between Keweenaw Bay and Lake Superior. The west, upper entrance is 169 miles east of Duluth, MN and the east, lower entrance is approximately 60 miles west of Marquette, MI. It is a deep draft commercial waterway with a project depth of 32 feet in the upper entrance channel, 28 feet in the lower entrance channel, and 25 feet in the interior channel. There are approximately 24,300 feet of structures including breakwaters, piers, and revetments and over 18 miles of maintained channels. Portions of the project are leased to State and local entities for recreational uses, including small boat access to the channels.

ALLOCATION FOR FY 2014: \$50,000

BUDGETED AMOUNT FOR FY 2015: M: \$9,000 O: \$19,000 T: \$28,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: \$18,000 – Funding provides for the maintenance required to provide minimal safety requirements for visitors to the recreational features of this project.

H: N/A

EN: \$10,000 – Funding provides for annual activities that are associated with compliance with State and Federal historic preservation requirements, including investigation and coordination of operation and maintenance activities and document preservation.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$16K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Marquette Harbor, MI

AUTHORIZATION: Rivers and Harbors Act of 1867, as amended

LOCATION AND DESCRIPTION: Marquette Harbor is located in Marquette Bay on the south shore of Lake Superior, 160 miles west of Sault Ste. Marie, MI and 265 miles east of Duluth, MN. It is a deep draft commercial harbor with a project depth of 27 feet in the entrance channel and inner basins. It has over 4,500 feet of breakwater structure and over one-half mile of navigation channel. Maintenance dredging is required very infrequently, with the harbor last dredged in 1978.

ALLOCATION FOR FY 2014: \$0.00

BUDGETED AMOUNT FOR FY 2015: M: \$500,000 O: \$0 T: \$500,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$500,000 – Funding provides for routine operations and maintenance for navigation including repairs to the breakwaters by Government floating plant. These repairs will protect the structure from further deterioration and failure. Breakwater failure results in unsafe operating conditions in the navigation channel and/or reduced vessel loading to account for potential wave impacts within the harbor.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Milwaukee Harbor, WI

AUTHORIZATION: River and Harbor Act of 1886, as amended

LOCATION AND DESCRIPTION: Milwaukee Harbor is a deep draft commercial harbor located in Wisconsin, on the west shore of Lake Michigan, approximately 85 miles north of Chicago, IL. The project includes both lake approach channels and river channels with depths varying from 27 to 30 feet. Maintenance dredging is required on a three to four year cycle and is scheduled to be dredged in 2015. Dredged material is placed in the Milwaukee Dredged Material Disposal Facility. Commercial commodities include petroleum and petroleum products and manufactured equipment. The project also includes over 21,000 feet of structures, including breakwaters, piers and revetments.

ALLOCATION FOR FY 2014: \$693,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,110,000 O: \$0 T: \$2,110,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,110,000 – Funding provides for critical minimum routine operation and maintenance for navigation, including critical minimum routine maintenance repair by government floating plant of the most critical portions of the north breakwater to protect the navigation channel, and maintenance dredging by contract to provide minimum functional depth at the most critical portions of the federal channel. Repairs to the north breakwater will reduce the risk of full structure breach which would block navigation and create unsafe navigation conditions and/or vessel delays.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Monroe Harbor, WI

AUTHORIZATION: River and Harbor Act of 1886, as amended

LOCATION AND DESCRIPTION: Monroe Harbor is located on the lower reach of the Raisin River, which empties into Lake Erie, 36 miles south of Detroit, MI. It is a deep draft commercial harbor with authorized depths of 21 feet in Lake Erie to the turning basin, which has an 18 foot depth. It has approximately 28,000 feet of maintained Federal channel. Maintenance dredging is required on a two to three year cycle, and is scheduled to be dredged in 2015. Dredged material is placed in Sterling State Park Confined Disposal Facility, located just north of the harbor.

ALLOCATION FOR FY 2014: \$1,500,000

BUDGET FOR FY 2015: M: \$1,000,000 O: \$0 T: \$1,000,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,000,000 – Funding provides critical minimum routine operation and maintenance for navigation, including project condition surveys, and maintenance dredging by contract to provide minimum functional depth at the most critical points of the functional channel. Annual shoaling can result in a loss of available channel depth between two and three feet which results in increased transportation costs of between \$1.5 million and \$2.4 million annually.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Saginaw River, MI

AUTHORIZATION: River and Harbor Act of 1910 (PL 60-317), as amended

LOCATION AND DESCRIPTION: Saginaw River is a deep draft commercial harbor formed by the union of the Tittabawassee and Shiawassee Rivers, is 22 miles long, and flows north into the south end of Saginaw Bay in Lake Huron. The cities of Saginaw and Bay City are located on the river. Project depths vary from 27 feet in the Saginaw Bay entrance channel to 22 to 26 feet in the Saginaw River channel. There are a total of 26 miles of Federal channels and 5 turning basins. The project requires maintenance dredging on an annual basis, with dredged material from the bay channels placed in the Saginaw Bay confined disposal facility (CDF). Material removed from the upper river channel is placed in the Upper Saginaw dredged material disposal facility (DMDF).

ALLOCATION FOR FY 2014: \$4,498,630

BUDGETED AMOUNT FOR FY 2015: M: \$2,350,000 O: \$651,000 T: \$3,001,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,001,000 – Funding provides for critical minimum routine operation and maintenance for navigation, including project condition surveys, maintenance dredging by contract to provide minimum functional depth at the most critical portions of this Federal channel, ground water well sampling & testing at the Upper Saginaw dredged material disposal facility, and critical maintenance at the confined disposal facility. Annual shoaling can result in a loss of available channel depth between one and two feet which results in increased transportation costs of up to \$4 million annually.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$227K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Detroit

Saginaw River, MI

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sebewaing River, MI

AUTHORIZATION: River and Harbor Act of 1896, as amended; and Flood Control Act of 1941 (PL 77-228), as amended

LOCATION AND DESCRIPTION: Sebewaing River is a shallow draft recreational navigation project and a flood and coastal storm damage reduction project located on Saginaw Bay in the thumb of Michigan on the west shore of Lake Huron, about 20 miles northeast of the mouth of the Saginaw River. The navigation project has a depth of eight feet with approximately 15,000 feet of maintained Federal channel. The flood and coastal storm damage reduction project includes approximately 11,000 feet of levees and 1,900 feet of floodwalls. The Operations and Maintenance of both the navigation portion and the flood control portion is a Federal responsibility.

ALLOCATION FOR FY 2014: \$24,750

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$50,000 T: \$50,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$50,000 – Funding provides for routine operations and operational maintenance of the flood control project and support to annual Spring ice breaking activities required to alleviate ice jam related flooding.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$28K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: St. Clair River, MI

AUTHORIZATION: River and Harbor Act of 1892, as amended

LOCATION AND DESCRIPTION: St. Clair River is one of the Great Lakes connecting channels that flows south from Lake Huron and discharges into Lake St. Clair. It is a deep draft commercial project with project depths ranging from 27 to 30 feet. St. Clair River serves the ports of Marysville, Marine City and St. Clair, MI, and includes approximately 44 miles of Federal channels. Maintenance dredging is required on a two to three year cycle, and is scheduled to be dredged in 2015. Dickinson Island confined disposal facility has provided a suitable placement site for all material dredged from the St. Clair River since 1980 and is anticipated to have sufficient capacity for at least 25 more years.

ALLOCATION FOR FY 2014: \$642,510

BUDGETED AMOUNT FOR FY 2015: M: \$1,360,000 O: \$201,000 T: \$1,561,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,561,000 – Funding provides for critical minimum routine operation and maintenance for navigation including project condition surveys, strike removal by Government floating plant, and maintenance dredging by contract to provide minimum functional depth at the most critical portions of this Federal channel. Commercial vessel operations and/or wave and ice action annually result in the dislodging of rock from channel bottoms, resulting in unsafe channel conditions for vessel movements. A loss of available channel depth between one and two feet will result in increased transportation costs of between \$4.7 million and \$15.8 million, annually.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$61K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: St. Marys River, MI

AUTHORIZATION: River and Harbor Act of 1870, as amended

LOCATION AND DESCRIPTION: St. Marys River is one of the Great Lakes connecting channels and is 75 miles long. The river flows southeast from the eastern end of Lake Superior into the northern end of Lake Huron along the border between the State of Michigan and the Province of Ontario, Canada. This deep draft commercial channel includes a total of 75 miles of maintained channels with depths varying from 27 to 29 feet in the St. Marys River, Lake Superior and Lake Huron approaches. This project also includes two active locks (one 110x1200ft chamber and one 80x800ft chamber, both with a 21 foot lift), two approach canals, a hydropower plant and a Visitor Center.

ALLOCATION FOR FY 2014: \$36,608,970

BUDGETED AMOUNT FOR FY 2015: M: \$19,461,000 O: \$20,399,000 T: \$39,860,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$34,217,000 – Funding provides for critical minimum routine operation and maintenance of two active navigation locks, critical maintenance repairs to navigation channel guide walls by Government floating plant, project condition surveys, critical channel strike removal by Government floating plant, maintenance dredging by contract to provide minimum functional depth at the most critical portions of this Federal channel, continuation of a major rehabilitation report, replacement of two 100 year old dewatering valves and the associated discharge pipe required for emergency dewatering of the locks, replacement of the lock controls on the MacArthur Lock, and a portion of joint facility security/grounds maintenance. Funds ensure safe and reliable operation of the navigation locks and connecting channels located in the St. Marys River, which historically accommodate over 80 million tons of cargo annually. A one to two foot reduction in available draft due to any channel restrictions results in increased transportation costs of between \$6.7 million and \$20.6 million annually, and a thirty day closure of the Soo Locks can result in up to \$160 million in increased transportation costs.

N-SUS15: \$1,009,000 – (Budget Item ID H7SO13-12972) Funding provides for implementing energy conservation measures (ECMs) identified in the FY13 Energy Optimization Assessment for St Marys River as part of the U. S. Army Corps of Engineers Energy Engineering Analysis Program (EEAP). ECMs to be implemented will provide central steam and upgrade the heating system within the Maintenance Support Building (MSB), redesign the HVAC system on the third floor of the administration building, upgrade interior and exterior lighting systems to include occupancy sensors, and install low-flow water efficient fixtures. ^{2/}

FRM: N/A

RC: \$327,000 – Funding provides for routine operation and maintenance of project visitor center and a portion of joint facility security/grounds maintenance. The visitor center and park accommodate an annual visitation in excess of 400,000 people and provides educational opportunities related to the locks and Corps of Engineers missions.

H: \$4,137,000 – Funding provides for critical minimum routine operation and maintenance of two hydropower facilities that house five generating units and a portion of joint facility security/grounds maintenance. The total includes \$1.75 million in maintenance funds that provide design and construction for the relocation of the main power cables leading to the powerhouse. These funds ensure the safe and reliable operation of the Federal hydropower plant with a 20 megawatt capacity that provides all of the

Division: Great Lakes and Ohio River District: Detroit St. Marys River, MI

power for operation of the Soo Locks complex and supports the base load for the area grid, meeting up to 15 percent of regional power demand.

H-SUS15: \$113,000 – (Budget Item ID H7SO13-12972) Funding provides for implementing energy conservation measures (ECMs) identified in the FY13 Energy Optimization Assessment for St Marys River as part of the U. S. Army Corps of Engineers Energy Engineering Analysis Program (EEAP). ECMs to be implemented will provide central steam and upgrade the heating system within the Maintenance Support Building (MSB), redesign the HVAC system on the third floor of the administration building, upgrade interior and exterior lighting systems to include occupancy sensors, and install low-flow water efficient fixtures.^{2/}

EN: \$57,000 – Funding provides for annual activities associated with compliance with State and Federal historic preservation requirements.

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$348,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

^{2/} In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Minnesota

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Duluth-Superior Harbor, MN, WI

AUTHORIZATION: River and Harbor Act of 1896, as amended

LOCATION AND DESCRIPTION: Located on the western end of Lake Superior, Duluth-Superior Harbor is a deep draft commercial harbor with over 18 miles of maintained channel. Maintenance dredging is required on an annual basis, with the project scheduled to be dredged in 2015. Dredged material has historically been placed in the Erie Pier Confined Disposal Facility (CDF) which is near capacity and requires critical fill management activities to ensure its sustainability. In 2012, the USACE began a 3-yr pilot study of placing dredged material in the 21st Avenue Embayment, a beneficial use project that will provide ecosystem benefits. The project also includes over 10,000 feet of structures including breakwaters, piers and revetments. Project also includes the Lake Superior Maritime Museum and Visitor Center.

ALLOCATION FOR FY 2014: \$6,377,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,497,000 O: \$1,435,000 T: \$5,600,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,660,000 – Funding provides for critical minimum routine operation and maintenance for navigation, including project condition surveys, navigation structure repairs by Government floating plant, maintenance dredging by contract to provide minimum functional depth at the most critical portions of this Federal channel, critical fill management activities at the Erie Pier CDF, and continuing development of a dredged material management plan. Funding ensures fully functional channels are maintained within the harbor, and that adequate capacity will be available at Erie Pier CDF for annual dredged material disposal. Duluth-Superior Harbor ships and receives over 40 million tons annually, and a loss of two feet of channel depth due to annual shoaling or deteriorated wave climate can result in increased transportation costs up to \$13 million annually.

FRM: N/A

RC: \$547,000 – Funding provides for routine operation and maintenance of the project's Class A visitor center and Lake Superior maritime museum. These funds provide for operation of the visitor center and park that has annual visitation in excess of 600,000 people and provides educational opportunities related to commercial navigation and overall Corps of Engineers missions. Funding also provides for a Level One Energy Optimization Assessment.

REC-SUS15: \$321,000 – (Budget Item ID 032) Funding provides for implementing energy conservation measures (ECMs) identified in the FY13 Energy Optimization Assessment for Duluth-Superior Harbor as part of the U. S. Army Corps of Engineers Energy Engineering Analysis Program (EEAP). ECMs to be implemented are replacement of windows on the second floor of the main building, rezoning and replacing lighting, occupancy sensor controls in office and restroom areas, replacing storage tank water heaters and control valves piping, retrocommission HVAC and controls system, and installation of gas-fired radiant heaters. ^{2/}

H: N/A

EN: \$72,000 – Funding provides for annual activities associated with compliance with State and Federal historic preservation requirements, including investigation and coordination of operation and maintenance activities and document preservation.

Division: Great Lakes and Ohio River

District: Detroit

Duluth-Superior Harbor, MN, WI

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$186K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

^{2/} In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

New York

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Black Rock Channel and Tonawanda Harbor, NY

AUTHORIZATION: River and Harbor Acts of 1888, 1916 (P.L. 63-291), 1919 (P.L. 65-200), 1922 (P.L. 67-362), 1925 (P.L. 68-585), 1935 (P.L. 74-409), 1945 (P.L. 79-14) and the Flood Control Act of 1954 (P.L. 83-780)

LOCATION AND DESCRIPTION: Black Rock Channel and Tonawanda Harbor is located on Niagara River in the city of Buffalo, Erie County, NY. It provides for vessels of all types a protected waterway around the reefs, and swift currents that exist in the upstream portions of the Niagara River. The lock and channel permit commercial vessels and pleasure craft to travel between Buffalo Harbor and Tonawanda Harbor and enables further transit to the Hudson River and Atlantic Ocean through the New York State Canal. Major stakeholders include U.S. Coast Guard, Marathon Ashland Petroleum, NOCO Energy Corp., United Refining Co., and NRG Huntley Power Plant.

ALLOCATION FOR FY 2014: \$2,852,300

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,686,000 T: \$1,686,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,681,000 - Funding will be used for critical minimum routine operation and maintenance for navigation, including lock functions and water control. These funds would improve navigation performance by providing for continued operation and maintenance of the lock to ensure availability for commercial and recreational users.

FRM: N/A

RC: N/A

H: N/A

EN: \$5,000 - Funding will be used for preparation of a Historic Properties Management Plan.

WS: N/A

OTHER INFORMATION: The channel and lock provide the only means for deep draft commercial vessels to reach delivery ports on the upper Niagara River (including a major coal power generation plant and fuel storage facilities), and are critical links in the only inland navigation route between the Atlantic Ocean and Great Lakes. With 1,402 lockages in 2012, the lock provided safe passage for 1,990 vessels (340 commercial and 1,650 recreational).

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$16k. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Buffalo Harbor, NY

AUTHORIZATION: River and Harbor Acts of 1826, 1866, 1874, 1900, 1910 (P.L. 60-317), 1912 (P.L. 61-425), 1919 (P.L. 65-200), 1930 (P.L. 71-520), 1935 (P.L. 74-409), 1945 (P.L. 79-14), 1960 (P.L. 86-645) and 1962 (P.L. 87-874). WRDA of 1986 (P.L. 99-662), 1988 (P.L. 100-676) and 2007 (P.L. 110-114)

LOCATION AND DESCRIPTION: Buffalo Harbor is a deep draft commercial harbor, located on Lake Erie in the city of Buffalo, Erie County, NY, whose authorized depths are 23-30 feet in the outer harbor and 22 feet in the river.

ALLOCATION FOR FY 2014: \$1,655,800^{1/}

BUDGETED AMOUNT FOR FY 2015: M: \$1,290,000 O: \$0 T: \$1,290,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,290,000 - Funding will be used for critical maintenance of coastal navigation structures, obstruction removal, and the engineering and design (E&D) of repairs to Combined Disposal Facility (CDF) Dike #4. Funds will improve navigation performance by reducing unsafe navigation conditions within the harbor, vessel delays, transportation costs and potential damage to shoreline structures. Approximately 200 linear feet of the deteriorated CDF Dike #4 exterior wall will be rehabilitated by in-house resources to improve structure performance and limit the potential for sediment loss. Additionally, E&D funds will be used to investigate CDF Dike #4 storm overtopping concerns and develop a plan to address any issues and ensure the CDF continues to operate as intended.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Buffalo Harbor is the 138th leading U.S. port with 1,460,000 tons of material shipped or received in 2011 and is ranked 33rd among the Great Lakes Ports. The project provides maintained deep draft navigation channels that facilitate the movement of goods and materials to and from commercial docks. Major stakeholders include the Port of Buffalo, U.S. Coast Guard, General Mills, Exxon-Mobil, Lafarge Cement and Founders Supplies, Incorporated. Bulk commodities that pass through Buffalo Harbor generate approximately \$50,000,000 annually in direct revenue.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the study as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mount Morris Dam, NY

AUTHORIZATION: Flood Control Act of 1944 (P.L. 78-534) and Sec 5110 WRDA 2007 (P.L. 110-114), as amended

LOCATION AND DESCRIPTION: Mount Morris Dam is a dry-bed dam that provides flood damage reduction for the metropolitan area of Rochester, NY, other residential areas, farmlands, and industrial developments in the lower Genesee River Valley. This project includes a dry-bed dam, visitor center and service facilities, supporting recreation and natural resource management activities.

ALLOCATION FOR FY 2014: \$3,973.860

BUDGETED AMOUNT FOR FY 2015: M: \$626,000 O: \$3,216,000 T: \$3,842,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$3,539,000 - Funding will provide for critical minimum routine operation and maintenance activities necessary to operate the dam and service facilities. These funds would ensure continued operation of the project and improve the condition of critical features thereby ensuring continued availability to mitigate the risk of damages from flooding in the lower Genesee River Valley.

RC: \$222,000 - Funding will be used for routine operation and maintenance of visitor center and supporting recreation activities. An interpretive program through the Visitor Information Center exists to educate the public about the importance and history of the Corps and the project. These funds would ensure continued operation of the visitor center and interpretive program and provide visitors with a safe, healthy experience.

H: N/A

EN: \$81,000 - Funding will be used for wildlife management, continuation of the Historic Properties Management Plan and pest management activities. These funds are required to perform preservation and improvement activities for fish and wildlife that are essential to the proper environmental management of the project and reservoir.

WS: N/A

OTHER INFORMATION: The Dam serves 161,000 people who reside and work within the Genesee River 100-year flood plain. In 2011 the dam prevented an estimated \$182,500,000 in flood damages. Since its completion in 1952, the dam has prevented an estimated \$2,050,000,000 in flood damages.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$27K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Ohio

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Alum Creek Lake, OH

AUTHORIZATION: Section 203 of Flood Control Act of 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: Alum Creek Lake is located in Delaware County, OH, on Alum Creek of the Big Walnut Creek, a tributary of the Scioto River. It is 26 miles above the mouth of Alum Creek and 157 miles above the mouth of the Scioto River. The project includes operation and maintenance of Alum Creek Lake, which is impounded by a rolled earth fill dam with a gated concrete spillway. The crest length of the dam is 10,200 feet. The dam was completed in August 1974.

ALLOCATION FOR FY 2014: \$1,492,920

BUDGETED AMOUNT FOR FY 2015: M: \$6,000 O: \$1,477,000 T: \$1,488,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$973,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has three tainter gates. The project has prevented over \$155,139,000 in damages over the course of its operation.

RC: \$248,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 3,252,000 and average annual visitation 2008-2012 exceeded 3,249,000.

H: N/A

EN: \$84,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: \$178,000 will provide for routine operation and maintenance for water supply to provide an estimated 35 million gallons per day of water supply for the health, safety and economy of approximately 100,000 citizens in the Columbus, OH metro area.

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ashtabula Harbor, OH

AUTHORIZATION: River and Harbor Acts of 1910 (P.L. 60-317), 1919 (P.L. 65-200), 1935 (P.L. 74-409), 1945 (P.L. 79-14), 1960 (P.L. 86-645) and 1965 (P.L. 89-298)

LOCATION AND DESCRIPTION: Ashtabula Harbor is a deep draft commercial harbor, located on the southern shore of Lake Erie at the mouth of the Ashtabula River, 55 miles east of Cleveland, in Ashtabula County, OH, with authorized depths of 22-30 feet in the outer harbor and 16-18 feet in the river.

ALLOCATION FOR FY 2014: \$1,019,700

BUDGETED AMOUNT FOR FY 2015: M: \$2,280,000 O: \$0 T: \$2,280,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,280,000 - Funding will be used for critical maintenance of coastal navigation structures and obstruction removal. Repair includes approximately 200 linear feet on the East and West Arrowhead breakwater. Funding will also be used for critical minimum routine maintenance dredging. These funds would improve navigation performance by reducing unsafe conditions within the harbor, vessel delays and transportation costs. The dredging will remove approximately 140,000 cubic yards of sediment from the harbor thereby improving the availability and reliability of the navigation channels.

FRM: - N/A

RC: - N/A

H: - N/A

EN: - N/A

WS: - N/A

OTHER INFORMATION: Ashtabula Harbor is the 76th leading U.S. port with 6,346,000 tons of material shipped or received in 2011 and is ranked 14th among the Great Lakes Ports. The project provides maintained deep draft navigation channels that facilitate the movement of goods and materials to and from commercial docks. Major stakeholders include the U.S. Coast Guard, the Ashtabula Port Authority, Norfolk Southern Ashtabula Coal Dock, Pinney Dock and Transport Company and Sidley Stone Products. Bulk commodities that pass through Ashtabula Harbor generate approximately \$433,000,000 annually in direct revenue.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$225K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Berlin Lake, OH

AUTHORIZATION: Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Berlin Lake Dam is located on the Mahoning River in Mahoning and Portage Counties, OH, about 10 miles upstream from Milton Dam (Non-Federal Project) and about 35 miles upstream from Warren, OH. The lake is located in Mahoning, Portage and Stark Counties, OH. Berlin Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,906,000

BUDGET FOR FY 2015: M: \$ 0 O: \$ 2,091,000 T: \$ 2,091,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,406,000 – Accomplish flood reduction mission performing critical minimum routine operation and maintenance of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$551,000 – Operate and maintain recreation facilities, including four boat launch ramps and the largest campground in the District with 348 campsites. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$64,000 – Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure the sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: \$70,000 – Revise draft water supply agreement with Mahoning Valley Sanitary District and start the attendant documents and ATR and PCX reviews. Estimated revenue between \$50,000 to \$100,000 per year paid to the U.S. Treasury.

OTHER INFORMATION: Berlin Lake has prevented more than \$1,701,916,000 in damages since its completion in 1943. Additionally, the lake has historically served as a water supply for the Mahoning Valley Sanitary District, and there is interest in renewing a water supply contract. The average annual recreational visits from 2008 through 2012 was 615,474.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$8 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the study as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Berlin Lake, OH

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Caesar Creek Lake, OH

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Caesar Creek Lake is located in Warren, Clinton and Greene Counties in Ohio. The dam is earth and rockfill with four saddle dams, outlet works and spillway. The dam is 165 ft high and 2,650 ft long. It is the site of a class "A" visitor center and world renowned for its 450 million year old Ordovician fossil beds exposed by the projects emergency spillway. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$1,763,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,967,000 T: \$1,967,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,598,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$285,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$78,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$6,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$7,442,000 (\$275,357,000 accumulative since 1977), FY 2012 recreation visits were 1,002,658, and FY 2012 visitor expenditures were \$20,015,000.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$4K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Clarence J. Brown Dam & Reservoir, OH

AUTHORIZATION: Flood Control Act of 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: Clarence J. Brown Dam & Reservoir is located in the northeastern corner of Clark County near Springfield, Ohio. The project is on Buck Creek, about 7 miles above the confluence with the Mad River, a tributary of the Great Miami River. The dam is earthfill with gated controlled outlet works and uncontrolled open spillway and is 72 ft high and 6,620 ft long. It is the site of a class "B" visitor center. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality.

ALLOCATION FOR FY 2014: \$2,179,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,494,000 T: \$1,494,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,268,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$156,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$70,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$274,000 (\$11,224,000 accumulative since 1973), FY 2012 recreation visits were 1,108,044, and FY 2012 visitor expenditures were \$21,840,000.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cleveland Harbor, OH

AUTHORIZATION: River and Harbor Acts of 1875 (18 Stat 456), 1888 (25 Stat 400), 1903 (P.L. .57-154), 1910 (P.L. 60-317), 1917 (P.L. 64-108), 1935 (P.L. 74-409), 1945 (P.L. 79-14), 1958 (P.L. 85-500), 1960 (P.L. 86-645) and 1962 (P.L. 87-874). Flood Control Acts of 1937 (P.L. 75-406), 1946 (P.L. 79-526) and 1962 (P.L. 87-874). WRDA 1976 (P.L. 94-587) and 1986 (P.L. 99-662)

LOCATION AND DESCRIPTION: Cleveland Harbor is a deep draft commercial harbor located on Lake Erie in the city of Cleveland, OH, with maintained depths of 28 feet in the outer harbor and 23 feet in 6.8 miles of the Cuyahoga and Old Rivers and more than 5.5 miles of protective breakwater structures.

ALLOCATION FOR FY 2014: \$7,271,550

BUDGETED AMOUNT FOR FY 2015: M: \$6,850,000 O: \$784,000 \$ T: \$7,634,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,634,000 - Funding provides for routine operation and maintenance for navigation including maintenance of the channels, protective structures, and confined disposal facilities (CDFs), planning for management and acquisition of dredged material disposal, and regional economic data collection. These funds would improve navigation performance by reducing unsafe navigation conditions within the harbor, vessel delays, transportation costs and potential for damage to shoreline structure. Dredging will remove approximately 225,000 cubic yards of sediment, improving the availability and reliability of the navigation channels. Approximately 100 linear feet of the severely deteriorated East Arrowhead breakwaters will be rehabilitated by in-house resources.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Cleveland is the 50th leading U.S. port with 11,100,000 tons of material shipped or received in 2011 and is ranked 6th among the Great Lakes Ports. The existing CDF's will reach capacity by current hydraulic placement methods in FY 2014. A Decision Document will address the short-term capacity (four years) needs until a new long-term plan is in place. The non-Federal sponsor prefers their alternative for taking over disposal operations and calculating a user fee. This alternative is currently being evaluated. Major stakeholders include the U.S. Coast Guard, Cleveland Cuyahoga County Port Authority, Burke Lakefront Airport, ArcelorMittal, Lake Carriers' Association and Cargill. Bulk commodities that pass through Cleveland Harbor generate approximately \$1,700,000,000 annually in direct revenue.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$5,773K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$6,849K. This amount will be used to perform work on the project as follows: Evaluate, and if possible, implement alternatives for increasing existing confined disposal facility capacity.

Division: Great Lakes and Ohio River

District: Buffalo

Cleveland Harbor, OH

24 March 2014

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O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Deer Creek Lake, OH

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Deer Creek Lake is located in Pickaway County, OH, on Deer Creek which is a tributary of the Scioto River, 21 miles above the mouth of Deer Creek and 105.8 miles above the mouth of the Scioto River. The lake is approximately 7 miles south-southwest of the town of Mount Sterling. The project includes operation and maintenance of Deer Creek Lake, which is impounded by a rolled earthfill dam with concrete gravity channel section that has a maximum height of 93 feet and a total crest length of 3,800 feet. The dam was completed in 1968.

ALLOCATION FOR FY 2014: \$1,679,040

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,553,000 T: \$1,553,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,241,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include a periodic assessment for dam safety, inspection of the spillway bridge, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$101,255,000 in damages over the course of its operation.

RC: \$260,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 3,244,000 and average annual visitation 2008-2012 exceeded 3,548,000.

H: N/A

EN: \$52,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Delaware Lake, OH

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Delaware Lake is located in central OH, situated along U.S. Route 23 and within Delaware, Marion, and Morrow Counties. Delaware Lake is located on the Olentangy River, a tributary of the Scioto River, 32 miles above the mouth of the Olentangy River, 164.4 miles above the mouth of the Scioto River, and 3 miles above Delaware city limits. The project includes operation and maintenance of Delaware Lake. The project was completed in July 1948, consists of an 18,600 foot long and 92 foot high embankment dam with a gated control concrete gravity spillway, including a 6,500 foot long embankment levee with two pump station works to protect the Village of Waldo and vicinity located 9 miles upstream from the dam. The outlet works consist of five gated tunnels which discharge into a concrete stilling basin. The spillway consists of six tainter gates and hoist machinery that operates to release excess storage to prevent overtopping and dam failure.

ALLOCATION FOR FY 2014: \$1,676,070

BUDGETED AMOUNT FOR FY 2015: M: \$781,000 O: \$1,478,000 T: \$2,259,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,013,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy; and for accomplishment of Interim Risk Reduction Measures including performing an emergency exercise to ensure that current policies and contacts are valid to reduce risk during a flood event, constructing a replacement emergency bulkhead to ensure redundancy in the control gates during a flood, and rehabilitating and extending the stilling basin and apron drains to reduce risk of dam failure during a major flood event. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$146,394,000 in damages over the course of its operation.

RC: \$216,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 873,000 and average annual visitation 2008-2012 exceeded 844,000.

H: N/A

EN: \$30,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$11,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Huntington

Delaware Lake, OH

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dillon Lake, OH

AUTHORIZATION: Section 4 of the Flood Control Act (FCA) of 1938 (P.L. 75-761) as amended by Section 4 of FCA 1939 (P.L. 76-396)

LOCATION AND DESCRIPTION: Dillon Lake is located in Muskingum County, OH on the Licking River, a tributary of the Muskingum River. It is 5.8 miles above the mouth of the Licking River and 83.4 miles above the mouth of the Muskingum River. The project includes operation and maintenance of Dillon Lake. The lake is impounded by a rolled earth fill dam with impervious core and an uncontrolled partially concrete lined spillway. The top length of the dam is 1,400 feet. The dam was completed in July 1959.

ALLOCATION FOR FY 2014: \$1,497,870

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,387,000 T: \$1,387,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,221,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include inspection of the spillway bridge, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$684,509,000 in damages over the course of its operation.

RC: \$135,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 1,324,000 and average annual visitation 2008-2012 exceeded 1,291,000.

H: N/A

EN: \$31,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fairport Harbor, OH

AUTHORIZATION: River & Harbor Acts of 1825, 1896 (P.L. 20-202), 1905 (P.L. 33-1117), 1919 (P.L. 40-1275), 1927, 1930 (P.L. 46-918), 1935 (P.L. 74-409), 1937 and 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Fairport Harbor is a deep draft commercial harbor located on Lake Erie in the city of Fairport, Lake County, OH, whose authorized depths are 25 feet in the Outer Harbor and 21-24 feet in the river.

ALLOCATION FOR FY 2014: \$2,100,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,215,000 O: \$0 T: \$1,215,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,215,000 - Funding will be used for critical minimum routine maintenance dredging for navigation. These funds will improve navigation performance by reducing unsafe navigation conditions within the harbor, vessel delays, transportation costs and potential damage to shoreline structures. The dredging will remove approximately 200,000 cubic yards of sediment from the harbor thereby improving the availability and reliability of the navigation channels.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Fairport Harbor is the 101st leading U.S. port with 1,800,000 tons of material shipped or received in 2011 and is ranked 31st among the Great Lakes Ports. The project provides maintained deep draft navigation channels that facilitate the movement of goods and materials to and from commercial docks. Major stakeholders include the Fairport Harbor Port Authority, U.S. Coast Guard, private marinas, Carmuse Lime, Morton International, Northeastern Road Improvement Company, Osborne Concrete & Stone, and Sidley Stone Products. Bulk commodities that pass through Fairport Harbor generate approximately \$85,000,000 annually in direct revenue.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the study as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Massillon Local Protection Project, OH

AUTHORIZATION: Section 4 of the Flood Control Act (FCA) of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Massillon Local Protection Project is located in Stark County, OH on the Tuscarawas River. The levee protects the city of Massillon from flooding along the Tuscarawas River. Maintenance of the levee is the joint responsibility of the City of Massillon and the U.S. Army Corps of Engineers. Annual mowing and dam inspections are required.

ALLOCATION FOR FY 2014: \$40,590

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$51,000 T: \$51,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$51,000 will provide for critical minimum routine operation and maintenance for flood risk management to reduce the risk of failure and allow for a thorough inspection to be conducted. The project has prevented over \$5,711,000 in damages over the course of its operation.

RC: N/A

H: N/A

E: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Michael J. Kirwan Dam and Reservoir, OH

AUTHORIZATION: Flood Control Act of 3 July 1958 (P.L. 85-500), with local cooperation requirements modified by the Flood Control Act of July 1960 (P.L. 86-645)

LOCATION AND DESCRIPTION: Michael J. Kirwan Dam is located on the West Branch of the Mahoning River about 12.0 miles above the junction of the branch and the Mahoning River at Newton Falls, OH. The reservoir is located entirely within Portage County, OH. MJ Kirwan Dam and Reservoir is a multi-purpose reservoir.

ALLOCATION FOR FY 2014: \$ 1,116,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 985,000 T: \$ 985,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$886,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$50,000 - Operate and maintain recreation facilities that enable picnicking, boating, camping, fishing, and hiking. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$49,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Michael J. Kirwan has prevented more than \$755,772,000 in damages since its completion in 1967. The average annual recreational visits from 2008 through 2012 was 197,588.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River District: Pittsburgh Michael J Kirwan Dam & Reservoir, OH

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mosquito Creek Lake, OH

AUTHORIZATION: Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Mosquito Dam is on Mosquito Creek, 12.6 miles upstream from its junction with the Mahoning River at Niles, OH. The reservoir is located entirely in Trumbull County, OH. Mosquito Creek Lake is a multi-purpose reservoir.

ALLOCATION FOR FY 2014: \$ 1,115,000

BUDGETED AMOUNT FOR FY 2015: M: \$7,000 O: \$899,000 T: \$906,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$769,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$89,000 – Operate and maintain recreation facilities that support boating, camping, swimming, fishing, picnicking, and hiking. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$40,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: \$8,000 – Management and oversight of existing water supply contract with the city of Warren, OH.

OTHER INFORMATION: Mosquito Creek Lake has prevented more than \$418,635,000 in damages since its completion in 1944. Mosquito Creek Lake also stores water and releases it downstream during dry periods to improve water quality and quantity for domestic and industrial use, recreation, aesthetics, and protection of aquatic life. Additionally, the lake serves as a water supply for the City of Warren, Ohio. The average annual recreational visits from 2008 through 2012 was 792,970.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Mosquito Creek Lake, OH

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Muskingum River Lakes, OH

AUTHORIZATION: Section 4 of the Flood Control Act (FCA) of 1938 (P.L. 75-761) as amended by Section 4 of the FCA of 1939 (P.L. 76-396)

LOCATION AND DESCRIPTION: The Muskingum River basin is the largest watershed within the state of Ohio. The river and its tributaries drain 8,051 square miles in all or parts of 24 counties in the southeastern portion of the state. The Muskingum River project includes operation and maintenance of Atwood Lake, Beach City Lake, Bolivar Dam, Charles Mill Lake, Clendening Lake, Dover Dam, Leesville Lake, Mohawk Dam, Mohicanville Dam, Piedmont Lake, Pleasant Hill Lake, Senecaville Lake, Tappan Lake, and Wills Creek Lake.

ALLOCATION FOR FY 2014: \$8,552,610

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$8,514,000 T: \$8,514,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$8,136,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy; and conducting an initial appraisal of the Silica Sand Levee project, to determine if it can be removed from the Corps inventory, with a goal of reducing future O&M costs if the project is determined to be no longer necessary to the flood risk management mission. Routine activities include a periodic assessment for dam safety at Pleasant Hill, a periodic inspection for dam safety at Mohawk, inspection of the service bridges at Mohawk and Pleasant Hill, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. Collectively, the Muskingum River Lake projects have prevented over \$4,260,184,000 in damages over the course of their operation.

RC: \$342,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 6,186,000 and average annual visitation 2008-2012 exceeded 7,042,000.

H: N/A

EN: \$36,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$81K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: North Branch Kokosing River Lake, OH

AUTHORIZATION: Section 203 of the Flood Control Act of 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: North Branch Kokosing River Lake is located north of Mount Vernon and west of Fredericktown, OH. The project includes operation and maintenance of the North Branch of Kokosing River Lake. Kokosing Dam was built by the U.S. Army Corps of Engineers for flood control, recreation and wildlife management. The crest length of the dam is 1,400 feet. The dam was completed in May 1972. The majority of the property at Kokosing Lake is leased by the Ohio Division of Natural Resources for fish and wildlife management. The Ohio Division of Natural Resources manages the 154-acre lake and 959 acres of public hunting area for a variety of fish and wildlife. The Kokosing Lake Campground, located on the banks of Kokosing Lake, is leased by Muskingum Watershed Conservancy District (MWCD).

ALLOCATION FOR FY 2014: \$297,990

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$298,000 T: \$298,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$260,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management.

RC: \$31,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 127,000 and average annual visitation 2008-2012 exceeded 193,000.

H: N/A

EN: \$7,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

PROJECT NAME: Ohio-Mississippi Flood Control, Ohio

AUTHORIZATION: Section 7 of the FCA of 1944, P.L. 74-58 (58 Stat. 890; 33 U.S.C. 709)

LOCATION AND DESCRIPTION: This project funds the execution of Section 7 of the 1944 Flood Control Act which directs the Corps to conduct lower Ohio/Mississippi Rivers flood control for the primary purpose of protecting the Mississippi River levee system, including the direction of both Corps and Tennessee Valley Authority reservoirs.

ALLOCATION FOR FY 2014: \$1,830,510

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,763,000 T: \$1,763,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,763,000 - Funding will continue to provide coordinated regional water control management and maintain operational capabilities to perform Flood Risk Management mission and improve flood prediction forecasting, warning and reservoir management through development of new system-wide hydraulic and hydrologic models and technology and physical improvements to the Reservoir Control Center. Other measures includes all policy and technical activities employed in river and reservoir regulation including computer modeling, satellite data collection system, computer and hardware systems, reservoir system analysis, and policy interpretation and implementation and direction of lower Ohio and Mississippi River flood control operations. This project returns on average \$18 million of flood damage reduction benefits for every \$1 million spent. These capabilities were essential in preventing overtopping of the MR&T levee system during the record 2011 Greater Mississippi River Basin flood.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: A minimum of FY 2013 funding levels are needed to continue the regional lower Ohio/Mississippi River water control data system and improvements to the Ohio River HEC-RAS model, which is the primary tool used for making reservoir flood control decisions and issuing public warnings and forecasts and to address improvements identified in After Action Reviews of the 2010 Cumberland System Flood and the 2011 Greater Mississippi River Basin Flood.

^{1/} The actual unobligated balance from FY 2013 into FY 2014 for this project is \$211 (x1000). As of the date this justification sheet was prepared, the total estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Paint Creek Lake, OH

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Paint Creek Lake is located in Ross and Highland Counties, OH, a tributary of the Scioto River. It is 36.8 miles above the mouth of Paint Creek and 100 miles above the mouth of the Scioto River. The project includes operation and maintenance of Paint Creek Lake. The lake is impounded by an earth and rock fill dam with a central impervious core. Its maximum height is 118 feet with a top length of 700 feet with a gated spillway. The dam was completed in 1974.

ALLOCATION FOR FY 2014: \$1,431,540

BUDGETED AMOUNT FOR FY 2015: M: \$7,000 O: \$1,569,000 T: \$1,576,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,271,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy; and for the performance of an emergency exercise to ensure that current policies and contacts are valid to reduce risk during a flood event as an Interim Risk Reduction Measure. Routine activities include a periodic assessment for dam safety, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$153,159,000 in damages over the course of its operation.

RC: \$231,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 955,000 and average annual visitation 2008-2012 exceeded 996,000.

H: N/A

EN: \$33,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: \$41,000 will provide for routine operation and maintenance for water supply to provide an estimated 4 million gallons per day of water supply for the health, safety and economy of approximately 6,000 citizens in Highland and Bourneville Counties, OH.

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Roseville Local Protection Project, OH

AUTHORIZATION: Section 4 of the Flood Control Act (FCA) of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Roseville Local Protection Project is located in the village of Roseville, OH, on the Moxahala Creek, a tributary of the Muskingum River, about 9.5 miles southwest of Zanesville, OH. The protection works consist of 7,291 lineal feet of channel improvement, 5,500 lineal feet of levee, a pump station to prevent flooding from internal drainage, and 4 gatewells on outfall sewers that empty into Moxahala Creek. The new channel has a 60 foot bottom width and side slopes of 1 vertical to 2 horizontal, except along the levee where the slopes are 1 to 2.5.

ALLOCATION FOR FY 2014: \$34,650

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$35,000 T: \$35,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$35,000 will provide for critical minimum routine operation and maintenance for flood risk management to maintain a clear channel and reduce flood damages. The project has prevented over \$1,422,000 in damages over the course of its operation.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sandusky Harbor, OH

AUTHORIZATION: River & Harbor Acts of 1899, 1902, 1919 (P.L. 65-200), 1927, 1935 (P.L. 74-409), 1945 (P.L. 79-14) and 1960 (P.L. 86-645)

LOCATION AND DESCRIPTION: Sandusky Harbor is a deep draft commercial harbor, located on Lake Erie in the city of Sandusky, Erie County, OH, with authorized depths ranging from 21-26 feet.

ALLOCATION FOR FY 2014: \$1,425,600

BUDGETED AMOUNT FOR FY 2015: M: \$1,600,000 O: \$0 T: \$1,600,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,600,000 - Funding will be used for critical minimum routine maintenance dredging. These funds would improve navigation performance by reducing unsafe conditions within the harbor, vessel delays and transportation costs. The dredging will remove approximately 140,000 cubic yards of sediment from the harbor thereby improving the availability and reliability of the navigation channels.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Sandusky Harbor is the 97th leading U.S. port with 2,900,000 tons of material shipped or received in 2011 and ranked 24th among the Great Lakes Ports. The project provides maintained deep draft navigation channels that facilitate the movement of goods and materials to and from commercial docks. Coal is the major commodity shipped. Major stakeholders include Norfolk Southern, Sandusky Dock Corp., City of Sandusky, George Gradel Co., Cedar Point Amusement Park and commercial ferries. Bulk commodities that pass through Sandusky Harbor generate approximately \$90,000,000 annually in direct revenue.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$59K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the study as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Toledo Harbor, OH

AUTHORIZATION: River and Harbor Acts of 1910 (P.L. 60-317), 1935 (P.L. 74-409), 1950 (P.L. 81-516), 1954 (P.L. 83-780), 1958 (P.L. 85-500) and 1960 (P.L. 86-645)

LOCATION AND DESCRIPTION: Toledo Harbor is a deep-draft commercial harbor, located at the southwestern corner of Lake Erie, 110 miles west of Cleveland, OH and 42 miles south of Detroit, MI. Authorized depths are 28 feet in the bay, 27 feet in the lower river, and 25 feet in the upper river.

ALLOCATION FOR FY 2014: \$5,843,290

BUDGETED AMOUNT FOR FY 2015: M: \$5,540,000 O: \$603,000 T: \$6,143,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$6,143,000 - Funding will be used for critical minimum routine operation and maintenance for navigation including dredging of the Maumee Bay and Maumee River and project condition surveys. These funds will improve navigation performance by reducing unsafe navigation conditions within the harbor, vessel delays and transportation costs. The dredging will remove approximately 150,000 cubic yards of sediment from the Maumee River and 600,000 cubic yards of sediment from the Maumee Bay thereby improving the availability and reliability of the navigation channels.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Toledo Harbor is the 51st leading U.S. port with 11,000,000 tons of material shipped or received in 2011, and is ranked 7th among the Great Lakes Ports. Toledo Harbor has direct access to inter-modal connections and also functions as a critical harbor of refuge. Cargo includes coal, petroleum, aggregates, metal products, limestone, grain, chemicals, iron ore, steel products, cement, ores, minerals and sugar. Bulk commodities that pass through Toledo Harbor generate approximately \$381,000,000 annual revenue. Major stakeholders include the Toledo-Lucas County Port Authority, City of Toledo, U.S. Coast Guard, St. Mary's Cement Inc., Midwest Terminals of Toledo International, Kuhlman Corporation, The Andersons Inc., Archer-Daniels-Midland Company, Hansen Mueller Co., BP Husky Refining LLC, Arc Terminals Holdings LLC, Shelly Liquid Division, Seneca Petroleum Company, Sunoco MidAmerica M&R, CSX, Lafarge Cement, Arms Trucking Co., Kraft Foods and Ironhead Marine Inc.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$37K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the study as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tom Jenkins Dam, OH

AUTHORIZATION: Section 10 of Flood Control Act of 1944 (P.L. 78-534)

LOCATION AND DESCRIPTION: Tom Jenkins Dam is located in Athens County, OH, on the East Branch of Sunday Creek, a tributary of the Hocking River. It is 0.3 miles above the mouth of East Branch and 57.2 miles above the mouth of the Hocking River. The project includes operation and maintenance of Tom Jenkins Dam and Burr Oak Reservoir. The lake is impounded by a rolled earth fill dam with a maximum height of 84 feet and a top length of 944 feet. The dam was completed in 1950.

ALLOCATION FOR FY 2014: \$985,050

BUDGETED AMOUNT FOR FY 2015: M: \$1,000 O: \$947,000 T: \$948,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$836,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include a periodic assessment for dam safety, inspection of two service bridges, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$28,433,000 in damages over the course of its operation.

RC: \$69,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 285,000 and average annual visitation 2008-2012 exceeded 445,000.

H: N/A

EN: \$7,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: \$36,000 will provide for routine operation and maintenance for water supply to provide an estimated 8 million gallons per day of water supply for the health, safety and economy of approximately 25,000 citizens in Athens and Morgan Counties, Ohio.

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: West Fork of Mill Creek Lake, OH

AUTHORIZATION: Flood Control Act of 1946 (P.L. 79-526)

LOCATION AND DESCRIPTION: West Fork Lake is located in Hamilton County, Ohio. The dam is an earth embankment dam, 100 ft high and 1,100 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, and water quality. In addition, it provides a reduction of pumping requirements at the barrier dam of the local protection works at Cincinnati. Recreational development is under lease agreement with the Hamilton County Park District Board.

ALLOCATION FOR FY 2014: \$930,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,217,000 T: \$1,217,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,137,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$40,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$40,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: N/A

OTHER INFORMATION: FY 2013 flood damages prevented were \$1,896,000 (\$117,538,000 accumulative since 1952), FY 2012 recreation visits were 665,619 and FY 2012 visitor expenditures were \$12,250,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$115K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: William H Harsha Lake, OH

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: William H Harsha Lake is located in Clermont County, Ohio. The dam is earthfill with outlet works, a separate saddle dam and spillway. The dam is 200 ft high and 1,450 ft long. The Saddle Dam is 100 ft high and 2,600 ft long. The project was authorized as a multi-purpose flood control project with additional authorized responsibilities for recreation management, environmental stewardship, water supply and water quality.

ALLOCATION FOR FY 2014: \$1,214,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,429,000 T: \$1,429,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,239,000 – Funding provides for critical minimum routine operation and maintenance of the dam, outlet works and related infrastructure. These funds support execution of our mission to prevent damages to flood-prone areas, property and communities in the floodway, as well as the destructive impacts of floods on human activities within those areas. Critical dam safety programs and activities are also supported with these funds.

RC: \$127,000 – Funding provides for routine operation and maintenance of day-use recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, healthy recreation experiences, and visitor assistance and protection, as well as for real estate functions to support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$57,000 – Funding provides for performance of environmental stewardship activities which protects the health, sustainability and integrity of the public lands associated with this project. Activities include natural resource management practices, environmental evaluations and reviews, shoreline protection, cultural resource investigations, water quality control, boundary line inspection, and encroachment resolution.

WS: \$6,000 – Funding provides for performance of annual activities required to support the negotiation, revision and/or coordination of water supply contracts, and addresses local and congressional interests and concerns for water needs affecting public health and welfare.

OTHER INFORMATION: FY 2013 flood damages prevented were \$2.944,000 (\$108,919,000 accumulative since 1977), FY 2012 recreation visits were 834,438, and FY 2012 visitor expenditures were \$18,040,000.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$9K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Pennsylvania

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Allegheny River, PA

AUTHORIZATION: Rivers and Harbors Act 1912 and 1935; Emergency Relief Administration program 1935

LOCATION AND DESCRIPTION: Project consists of the navigable portion of the Allegheny River which extends 72 miles from the Point in Pittsburgh, PA to East Brady, PA. Commercial and recreational navigation is provided from eight locks and dams which are Locks and Dams 2 thru 9 within the 72 mile reach of river, including the CW Bill Young Lock and Dam (formerly Lock and Dam 3).

ALLOCATION AMOUNT FOR FY 2014: \$ 4,843,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 4,721,000 T: \$ 4,721,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,721,000 – Critical minimum routine operation and maintenance of eight navigation locks and dams that provide approximately 72 miles of navigable river. Lock 2, CW Bill Young, and Lock 4 will be operated with three shifts operating twenty-four hours a day and seven days a week. Lock 5 will be operated with two eight-hour shifts (8:15 am – 11:45 pm), seven days per week for commercial and recreational traffic. Locks 6, 7, 8 and 9 will only be available for commercial navigation lockages by appointment and will be closed for all recreation traffic.

FRM: N/A

RC: N/A

HYD: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Allegheny River navigation system serviced an annual average of 2,115,000 tons of cargo from 2007 to 2011. The lower Allegheny River (L/Ds 2-4) has higher use navigation facilities.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this study is \$163 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the study as follows: N/A.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Conemaugh River Lake, PA

AUTHORIZATION: Flood Control Act of 22 June 1936 (P.L. 74-738), as amended by the Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Conemaugh Dam is located on the Conemaugh River, in Indiana and Westmoreland Counties, PA, 7.5 miles upstream from Saltsburg, PA where the Conemaugh River and Loyalhanna Creek join to form the Kiskiminetas River. The reservoir is located in Indiana and Westmoreland Counties, PA. Conemaugh River Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,379,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 1,651,000 T: \$ 1,651,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,254,000 - Accomplish flood reduction mission for critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$64,000 – Operate and maintain recreation facilities, including a picnic area with two pavilions, a playground, a visitor information center, and nature and hiking trails. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: 333,000 - Accomplish shoreline management, threatened/endangered species surveillance, and cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure the sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water. Update the Master Plan for the project which has not been updated since 1952.

WS: N/A

OTHER INFORMATION: Conemaugh River Lake has prevented more than \$2,224,026,000 in damages since its completion in 1953. The average annual recreational visits from 2008 through 2012 was 83,853.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$24 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$ 0 (x1000). This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Crooked Creek Lake, PA

AUTHORIZATION: Flood Control Act of 22 June 1936 (P.L. 74-738), as amended by the Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Crooked Creek Dam is located on Crooked Creek, in Armstrong County, PA, 7.2 miles above the junction of the creek with the Allegheny River near Ford City, PA. Crooked Creek Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,338,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 2,000 O: \$ 1,559,000 T: \$ 1,561,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,215,000 - Accomplish flood reduction mission providing critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$316,000 – Operate and maintain recreation facilities, including tent, trailer, and group camping areas, swimming areas, picnic shelters, and hiking, snowmobile, and horseback riding trails, as well as one boat launch ramp for fishing and water skiing. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$30,000 - Accomplish shoreline management, threatened/endangered species, surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Crooked Creek Lake has prevented more than \$548,411,000 in damages since its completion in 1940. In addition to flood control, Crooked Creek also stores water and releases it downstream during dry periods to improve water quality and quantity for domestic and industrial use, navigation, recreation, aesthetics, and protection of aquatic life. The average annual recreational visits from 2008 through 2012 was 316,136.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: East Branch Clarion River Lake, PA

AUTHORIZATION: Flood Control Acts of 1938 (P.L. 75-761) and 1944 (P.L. 78-534)

LOCATION AND DESCRIPTION: East Branch Dam is on the East Branch of the Clarion River, 7.5 miles upstream from its junction with the West Branch of the Clarion River at Johnsonburg, PA. The reservoir is located entirely in Elk County PA. East Branch Clarion River Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,182,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 1,259,000 T: \$ 1,259,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,071,000 – Accomplish flood reduction mission for critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$171,000 – Operate and maintain recreation facilities for camping, picnicking on interpretive trail, and boating access for fishing and water skiing. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$17,000 – Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: East Branch Clarion River Lake has prevented more than \$91,054,000 in damages since its completion in 1951. The average annual recreational visits from 2008 through 2012 was 216,683.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

East Branch Clarion River Lake, PA

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Johnstown, PA

AUTHORIZATION: Flood Control Acts of 1936 (P.L. 74-738) and 1937

LOCATION AND DESCRIPTION: The project is located along the Conemaugh River, Little Conemaugh River, and Stonycreek River at Johnstown, in Cambria County, PA. Johnstown, PA is a Local Flood Protection Project. The major rehabilitation of the nine mile long local flood protection project along the three rivers in Johnstown, PA was authorized in 1991. The approved rehabilitation report included operation and maintenance funded repairs. These repairs mainly consist of sediment removal, channel clearing, concrete slope lining, replacement of unreliable floodwalls, and concrete toe repairs, as well as repairs to safety railing.

CONFERENCE AMOUNT FOR FY 2014: \$ 63,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 65,000 T: \$ 65,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$65,000 – Assure safety, structure, integrity, and operational adequacy through inspection of the project.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Johnstown has prevented more than \$827,009,000 in damages since its completion in 1939.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$18 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Johnstown, PA

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kinzua Dam and Allegheny Reservoir, PA

AUTHORIZATION: Flood Control Act of 1936 (P.L. 74-738), as amended by the Flood Control Act of 28 June 1938 (P.L. 75-761) and 18 August 1941

LOCATION AND DESCRIPTION: Kinzua Dam is located on the Allegheny River in Warren County, PA, approximately 198 miles above the mouth of the river at Pittsburgh, PA. The reservoir is located in Warren and McKean Counties, PA, and Cattaraugus County, NY. Kinzua Dam and Allegheny Reservoir, PA is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,312,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 54,000 O: \$ 1,180,000 T: \$ 1,234,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$998,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

FRM-SUS 15: \$54,000 – MBUDFDR27, Replace dam lighting, dam office lighting and maintenance building lighting to reduce high energy usage and increased utility bills. ^{3/}

RC: \$217,000 – Operate and maintain recreation facilities; the lake has nine boat ramps, numerous campgrounds, extensive trails, picnic areas, and a visitor information center. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$19,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Kinzua Dam and Allegheny Reservoir has prevented more than \$1,266,121,000 in damages since its completion in 1965. The project also houses a hydroelectric power plant operated by the First Energy Corporation. Its peak capacity is 400,000 kilowatts per hour. The reservoir also provides water to be released during dry periods. These releases have the effect of reducing pollution and improving the quality and quantity of water for domestic, industrial and recreation uses. Flow regulation also helps to maintain navigable depths for commercial traffic on the Allegheny and upper Ohio Rivers. The average annual recreational visits from 2008 through 2012 was 278,632.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$13 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars

Division: Great Lakes and Ohio River District: Pittsburgh Kinzua Dam and Allegheny Reservoir, PA

estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

^{2/} In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Great Lakes and Ohio River District: Pittsburgh Kinzua Dam and Allegheny Reservoir, PA

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Loyalhanna Lake, PA

AUTHORIZATION: Flood Control Act of 22 June 1936 (P.L. 74-738), as amended by Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Loyalhanna Dam is on Loyalhanna Creek, 4.75 miles above its junction with the Conemaugh River at Saltsburg, PA, forming the Kiskiminetas River. The reservoir is located entirely in Westmoreland County, PA. Loyalhanna Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 2,696,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 1,898,000 T: \$ 1,898,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,461,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety related analyses and studies, and real estate outgrant management.

RC: \$126,000 – Operate and maintain recreation facilities, including an unique self-guided boating trail, a picnic area, campgrounds at Bush Run and Kiski areas, and two boat launching ramps. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$311,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water. Update the Master Plan for the project which has not been updated since 1950.

WS: N/A

OTHER INFORMATION: Loyalhanna has prevented more than \$529,157,000 in damages since its completion in 1943. The average annual recreational visits from 2008 through 2012 was 193,604.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Loyalhanna Lake, PA

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mahoning Creek Lake, PA

AUTHORIZATION: Flood Control Act of 22 June 1936 (P.L. 74-738), as amended by the Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Mahoning Dam is on Mahoning Creek in Armstrong County, PA 22.9 miles upstream from the junction of the creek and the Allegheny River. The reservoir is located in Armstrong, Indiana and Jefferson Counties, PA. Mahoning Creek Lake is a multi-purpose reservoir.

ALLOCATION FOR FY 2014: \$ 1,156,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 1,121,000 T: \$ 1,121,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,051,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$57,000 - Operate and maintain recreation facilities, including picnic areas, trails, boat launch ramps, and campsites. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$13,000 – Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Mahoning Creek Lake has prevented more than \$686,579,000 in damages since its completion in 1941. The average annual recreational visits from 2008 through 2012 was 93,870.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$89 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Mahoning Creek Lake, PA

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Monongahela River, PA and WV

AUTHORIZATION: Rivers and Harbors Act, 1902, 1905, 1909, 1922, 1930 and 1950; WRDA 1986 and 1992; Supplemental Appropriations Act 1985

LOCATION AND DESCRIPTION: Project consists of the navigable portion of the Monongahela River for the entire 128.7 miles of river from just above Fairmont, WV to the Point at Pittsburgh, PA. The nine navigation locks and dams are Braddock, Grays Landing, Hildebrand, Maxwell, Morgantown, Opekiska, Point Marion and Locks and Dam 3 and 4.

CONFERENCE AMOUNT FOR FY 2014: \$14,186,000

BUDGETED AMOUNT FOR FY 2015: M: \$10,448,000 O: \$12,173,000 T: \$22,621,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$22,621,000 – Critical minimum routine operation and maintenance of nine navigation locks and dams. Project provides approximately 129 miles of navigable river including nine navigation facilities. Perform critical dredging and debris removal at lock chambers and approaches to avoid vessel groundings and significant disruptions to a high-use commercial navigation system that would result in increased transportation costs associated with delays. Maintenance funds will be used to dewater Charleroi main chamber to repair filling and emptying valve. Repair upstream and downstream gate, correct identified valve interlock problems and replace dam feeder wire at Morgantown. Repair emergency needle dam at Charleroi. Repair emergency bulkhead and replace floating mooring bits in primary chamber and install safety signs at Maxwell. Upgrade locks and dam operating PLC to SCADA systems to be FISMA compliant.

N-SUS15: \$136,000 – MBUDNAV105, Improve interior lighting at eight locks

N-SUS15: \$52,000 – MBUDNAV106, Replace gas fired furnaces and A/C units with high efficiency heat pumps and furnaces at three locks. ^{2/}

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Commercial and recreational navigation is provided via nine locks and dams within the 128.7 mile reach of river. An annual average of 23,348,000 tons of cargo traffic was serviced by the Monongahela navigation system from 2007 to 2011. The locks between Braddock and Point Marion are operated 24 hours a day/365 days a year. Morgantown lock is open one shift, 5 days a week. Hildebrand and Opekiska Locks will only be available for commercial navigation lockages by appointment and will be closed for all recreation traffic.

Division: Great Lakes and Ohio River

District: Pittsburgh

Monongahela River, PA & WV

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,224 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

^{2/} In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Great Lakes and Ohio River

District: Pittsburgh

Monongahela River, PA & WV

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ohio River Locks and Dams, PA, OH, and WV

AUTHORIZATION: Rivers and Harbors Act dated 1909 and 1918

LOCATION AND DESCRIPTION: Project consists of the navigable portion of the Ohio River from the Point at Pittsburgh, PA for 127.2 miles of the river downstream to New Martinsville, WV. Commercial and recreational navigation is provided from six locks and dams which are Emsworth, Dashields, Montgomery, New Cumberland, Pike Island, and Hannibal within the 127.2 mile reach of river.

ALLOCATION FOR FY 2014: \$32,930,000

BUDGETED AMOUNT FOR FY 2015: M: \$14,644,000 O: \$15,453,000 T: \$30,097,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$30,097,000 – Critical minimum routine operation and maintenance of 127.2 miles of navigable river including six navigation locks and dams. Maintenance funds will be used to conduct emergency repairs of Montgomery dam lift gates, install one lift gate (out of seven) and fabricate one lift gate (out of 6) which is in active failure at Montgomery Dam. Repair miter gates in auxiliary chamber, repair emergency bulkhead, replace pillow block, line shafts and couplings for gate 10 and replace gate gear boxes at New Cumberland. Install bulkhead slots in lock walls and renovate poiree dam sill at Emsworth. Upgrade locks and dam operating PLC to SCADA systems to be FISMA compliant.

N-SUS15: \$102,000 – MBUDNAV112, Improve interior lighting at six locks

N-SUS15: \$39,000 – MBUDNAV113, Replace gas fired furnaces and A/C units with high efficiency heat pumps and furnaces at four locks.^{2/}

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Project provides approximately 127.2 miles of navigable river including six navigation facilities. Emsworth is a Dam Safety Action Class (DSAC) I rated dam and Montgomery Dam is a DSAC II rated dam. The six locks and dam structures on the Ohio River have an average age of 62 years (82 years for the upper three locks and 43 years for the lower three locks). This project funds the operation and maintenance of the three oldest structures on the mainstem of the Ohio River. These structures are currently being studied for major capital improvements in the Upper Ohio Navigation Study.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$856 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars

Division: Great Lakes and Ohio River

District: Pittsburgh

Ohio River Locks and Dams,
PA, OH, & WV

estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the study as follows: N/A.

^{2/} In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Great Lakes and Ohio River

District: Pittsburgh

Ohio River Locks and Dams,
PA, OH, & WV

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ohio River Open Channel Work, PA, OH, & WV

AUTHORIZATION: Rivers and Harbors Act dated 1909 and 1918

LOCATION AND DESCRIPTION: The project is located along the Ohio River from its beginning at the confluence of the Monongahela and Allegheny Rivers, Pittsburgh, PA to river mile 127.2 at New Martinsville, WV. The Ohio River has an authorized navigation channel depth of nine (9) feet. This project includes dredging activities necessary to maintain the authorized navigation channel depth ensuring commercial navigation. The six locks and dams are Emsworth, Dashields, Montgomery, New Cumberland, Pike Island, and Hannibal.

CONFERENCE AMOUNT FOR FY 2014: \$ 355,410

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$700,000 T: \$700,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$700,000 - Routine maintenance removal of sediment, debris, and drift to maintain an authorized navigation channel between the six upper Ohio River navigation facilities.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$26 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Ohio River Open Channel Works,
PA, OH, & WV

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Punxsutawney, PA

AUTHORIZATION: Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: The project is located at Punxsutawney, in Jefferson County, PA, on Mahoning Creek, 52 miles above its mouth and 30 miles above Mahoning Creek Lake Dam. Punxsutawney, PA is a local flood protection project. The project provides flood protection by channel enlargement, dikes, and walls. Improvement is designed to accommodate discharges 20% greater than that of maximum flood of record.

CONFERENCE AMOUNT FOR FY 2014: \$ 34,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$40,000 T: \$40,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$40,000 - Assure safety, structure, integrity, and operational adequacy through inspection of the project.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Punxsutawney has prevented more than \$98,962,000 in damages since its completion in 1940.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Punxsutawney, PA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Shenango River Lake, PA

AUTHORIZATION: Flood Control Act of 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Shenango Dam is located on the Shenango River about 0.8 mile above Sharpsville, PA and about 34.2 miles above its junction with the Mahoning River near New Castle, PA, forming the Beaver River. The reservoir is located in Mercer County, PA, and Trumbull County, OH. Shenango River Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,701,000

BUDGETED AMOUNT FOR FY 2015: M: \$30,000 O: \$1,775,000 T: \$1,805,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$942,000 – Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$759,000 – Operate and maintain recreation facilities that supports a full range of activities including camping, swimming, boating, fishing, hunting, and picnicking, as well as providing trails for hiking and nature interpretation. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$104,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Shenango River Lake has prevented more than \$173,111,000 in damages since its completion in 1965. The average annual recreational visits from 2008 through 2012 was 520,235.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$10 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Shenango River Lake, PA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tionesta Lake, PA

AUTHORIZATION: Flood Control Act of 22 June 1936 (P.L. 74-738), as amended by Flood Control Act 28 June 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Tionesta Dam is located on Tionesta Creek, 1.17 miles above the junction of the creek with the Allegheny River at Tionesta, PA, and about 78 miles northeast of Pittsburgh, PA. The reservoir is located entirely in Forest County, PA. Tionesta Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,995,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,875,000 T: \$1,875,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,348,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$494,000 – Operate and maintain recreation facilities supporting boating, camping, fishing, hunting, picnicking, hiking and interpretation trails, as well as a visitor center. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$33,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Tionesta Lake has prevented more than \$570,585,000 in damages since its completion in 1940. The average annual recreational visits from 2008 through 2012 was 754,931.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the study as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Tionesta Lake, PA

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Union City Lake, PA

AUTHORIZATION: Flood Control Act of 23 October 1962 (P.L. 87-4)

LOCATION AND DESCRIPTION: Union City Dam is located on French Creek, about 73.9 miles upstream from its junction with the Allegheny River at Franklin, PA. The reservoir is located entirely in Erie County, PA. Union City Lake is a multi-purpose reservoir.

ALLOCATION FOR FY 2014: \$ 446,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 400,000 T: \$ 400,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$356,000 - Accomplish flood reduction mission for critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$40,000 – Operate and maintain recreation facilities, including a picnic and fishing area. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$4,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, and invasive species eradication and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Union City Lake has prevented more than \$80,715,000 in damages since its completion in 1971. The average annual recreational visits from 2008 through 2012 was 27,935.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Union City Lake, PA

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Woodcock Creek Lake, PA

AUTHORIZATION: Flood Control Act of 23 October 1962 (P.L. 87-4)

LOCATION AND DESCRIPTION: Woodcock Dam is located on Woodcock Creek, 3.6 miles upstream from its confluence with French Creek at a point 37.1 miles up French Creek from its junction with the Allegheny River at Franklin, PA. The reservoir is located entirely within Crawford County, PA. Woodcock Creek Lake is a multi-purpose reservoir.

ALLOCATION FOR FY 2014: \$ 1,214,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 957,000 T: \$ 957,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$778,000 – Accomplish flood reduction mission for critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$168,000 – Operate and maintain recreation facilities, including a designated national recreational trail, boating, swimming, camping, fishing, hunting, and picnicking. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$11,000 – Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: N/A

OTHER INFORMATION: Woodcock Creek Lake has prevented more than \$33,742,000 in damages since its completion in 1974. The average annual recreational visits from 2008 through 2012 was 274,189.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$79 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the study as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Woodcock Creek Lake, PA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Youghiogheny River Lake, PA and MD

AUTHORIZATION: Flood Control Act of 28 June 1938 (P.L 75-761)

LOCATION AND DESCRIPTION: The dam is located on the Youghiogheny River about 74.2 miles above its junction with the Monongahela River at McKeesport, PA, and 1.2 miles above Confluence, PA. The reservoir is located in Fayette and Somerset Counties, PA, and Garrett County, MD. Youghiogheny River Lake is a multi-purpose reservoir.

CONFERENCE AMOUNT FOR FY 2014: \$ 2,435,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 2,232,000 T: \$ 2,232,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,636,000 – Accomplish flood reduction mission for critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$466,000 – Operate and maintain recreation facilities including boating, water skiing, swimming, camping, fishing, hunting, and picnicking. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$117,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: \$13,000 – Manage water storage agreement and coordination with The Municipal Authority of Westmoreland County, PA.

OTHER INFORMATION: Youghiogheny River Lake has prevented more than \$569,648,000 in damages since its completion in 1943. In addition to flood control, the dam helps to alleviate pollution problems by releasing additional water downstream during low water periods. Increased stream flow improves water quality by diluting polluted waters entering the rivers from towns, industries, and coal mine drainage. The increased stream flow also improves the navigability of the Monongahela and upper Ohio Rivers for commercial navigation, and enables state permitted water withdrawals from the Youghiogheny River downstream of the reservoir. The average annual recreational visits from 2008 through 2012 was 464,601.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from BY-2 into BY-1 (3011A report) for this project is \$37 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the study as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Youghiogheny River Lake, PA & MD

Tennessee

O&M JUSTIFICATION SHEET

PROJECT NAME: Center Hill Lake, TN

AUTHORIZATION: Section 1, River and Harbor Act of 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Center Hill Lake is located in eastern Middle Tennessee, about 80 miles east of Nashville, TN. The project consists of a combination earth and concrete gravity-type dam, a hydropower plant and a flood storage reservoir with recreation and stewardship areas.

ALLOCATION FOR 2014: \$7,562,150

BUDGETED AMOUNT FOR FY 2015: M: \$64,000 O: \$5,504,000 T: \$5,568,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$874,000 - funding provides for critical minimum routine operation and maintenance.

RC: \$980,000- funding provides critical health and safety maintenance and services at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas and campgrounds..

H: \$3,497,000 - funding provides for routine operation and maintenance for hydroelectric power plant and hydropower joint costs for operation and maintenance of the dam. Funds would allow power plant and dam to accomplish assigned missions of providing low cost reliable electric power by maintaining optimum availability and peak availability and maintaining control of the river.

EN: \$173,000 - funding provides for the management of natural resources including operation, safety, maintenance of the project boundary line, shoreline management, and cultural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and prevent loss and degradation of more than 39,000 acres of project lands and water.

WS: \$44,000 - funding provides for vital coordination with all water supply users for continuing major rehabilitation work, to include a determination of annual operations and maintenance costs as well as repair, rehabilitation and replacement costs for ongoing major rehabilitation work. Revenues returned to the U.S. Treasury under Water Supply Agreement collections for FY13 is \$245,000.

OTHER INFORMATION: Hydropower plant generates 381,000 MWH of energy annually, which is enough supply for 32,000 homes. Center Hill Lake ranks #22 of 422 among the Corps for recreation with 3,121,146 project visits in FY12 with an associated \$70,450,000 in trip spending.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$91 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

PROJECT NAME: Cheatham Lock and Dam, TN

AUTHORIZATION: Section 1, River and Harbor Act of 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Cheatham Lake is located in Middle Tennessee, 42 river miles downstream of Nashville, TN. The project consists of a 110' x 800' lock, concrete gravity-type dam, hydropower plant and recreation and stewardship areas.

ALLOCATION FOR FY 2014: \$6,940,890

BUDGETED AMOUNT FOR FY 2015: M: \$2,128,000 O: \$6,817,000 T: \$8,945,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,375,000 - funding provides for critical minimum routine O&M for navigation; critical fleet maintenance support svc.; NAV portion of joint costs for data acquisition for dam safety, FRM operations & RE costs to resolve encroachments. Funding provides for repairs to failing spillway gates. These funds would improve navigation performance by providing maintenance of locks & channels. No alternate nav route is available. Approx 3.5M tons coal shipped thru lock providing 4.7B KWH to electrical grid. Nashville industries depend on bulk commodity delivery for raw materials.

FRM: N/A

RC: \$906,000 - funding provides critical health & safety maintenance & services at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas & campgrounds.

REC-SUS15: \$180,000 - Funds provide for replacement and upgrades to aging water infrastructure, and installation of energy efficient occupancy sensors. ^{2/}

H: \$2,360,000 - funding provides for routine operation & maintenance for hydroelectric power plant, as well as replacement of the power plant roof. These funds would allow power plant to accomplish assigned mission of providing low cost reliable electric power by maintaining high availability & peak availability.

EN: \$282,000 - funding provides for mgmt. of natural resources including operation, safety, maintenance of project boundary line, shoreline mgmt., & cultural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles & stewardship policies & prevent loss & degradation of more than 10,000 acres to project lands & water.

WS: \$22,000 - funding provides for processing any new intake requests or increases to current withdrawals by existing water supply users at this Lock & Dam project.

OTHER INFORMATION: Cheatham Lock processed 8,300,000 tons of waterborne commerce in 2012. Coal & aggregates are dominant commodities. Electric utilities serving the Southeast move coal from mines in Wyoming & Kentucky thru Cheatham. Construction companies move cement & aggregates; steel fabricators move iron & steel products into the Cumberland Valley. These & other shippers realize avg annual transportation cost savings of more than \$82M. Hydropower plant generates 153,000 MWH of energy annually - enough supply for 13,000 homes. Cheatham Lake ranks #42 of 422 among the Corps for recreation with 1,987,647 project visits in FY12 with \$40,990,000 in trip spending.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$47 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

^{2/} In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Great Lakes and Ohio River

District: Nashville

Cheatham Lock and Dam, TN

O&M JUSTIFICATION SHEET

PROJECT NAME: Cordell Hull Dam and Reservoir, TN

AUTHORIZATION: Section 1, River and Harbor Act of 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Cordell Hull Dam & Reservoir is located on the Cumberland River at river mile 313.5. The project consists of an 84' x 400' lock, concrete gravity and earth fill dam, hydropower plant and recreation and stewardship areas.

ALLOCATION FOR FY 2014: \$8,195,080

BUDGETED AMOUNT FOR FY 2015: M: \$708,000 O: \$6,879,000 T: \$7,587,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,323,000 - Funding provides for critical minimum routine operation and maintenance, as well as repairs or replacement of the failed security system. Lock must remain operational for maintenance of dam and hydroelectric facility.

FRM: N/A

RC: \$2,818,000 - Funding provides critical health and safety maintenance and services at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas and campgrounds; as well as joint costs associated with operation of the dam structure, spillway gates, intake and outlet works for reservoir regulation; removal and disposal of trash and debris on or in vicinity of dam structures; dam safety/failure training and contingency plans, etc.

H: \$3,215,000 - Funding provides for routine operation and maintenance for hydroelectric power plant and hydropower's part of joint costs for operation and maintenance of the dam. Funds would allow power plant and dam to accomplish assigned missions of providing low cost reliable electric power by maintaining high availability and peak availability and to maintain control of the river.

EN: \$216,000 - Funding provides for the management of natural resources including operation, safety, maintenance of the project boundary line, shoreline management, and cultural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and prevent loss and degradation of more than 32,000 acres of project lands and water.

WS: \$15,000 - Funding provides for processing any new intake requests and increases to current withdrawals by existing water supply users at this Lock and Dam project.

OTHER INFORMATION: Hydropower plant generates 363,000 MWH of energy annually, which is enough supply for 30,250 homes. Cordell Hull Reservoir ranks #38 of 422 among the Corps for recreation with 2,144,568 project visits in FY12 with an associated \$43,010,000 in trip spending.

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY2014 (3011A report) for this project is \$35 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

PROJECT NAME: Dale Hollow Lake, Tennessee

AUTHORIZATION: Section 1, River and Harbor Act of 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Dale Hollow Lake, TN project is located in northeastern Middle Tennessee, near Celina, TN. The project consists of a concrete gravity dam, a hydropower plant and a flood storage reservoir with recreation and stewardship areas.

ALLOCATION FOR 2014: \$7,307,050

BUDGETED AMOUNT FOR FY 2015: M: \$350,000 O: \$6,468,000 T: \$6,818,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$715,000 - Funding provides for critical minimum routine operation and maintenance.

RC: \$1,997,000 - Funding provides critical health and safety maintenance and services at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas and campgrounds.

REC-SUS15: \$270,000 - Funding is included to replace aged and deteriorated water lines at two campgrounds and one day use area. ^{2/}

H: \$3,859,000 - Funding provides for routine operation and maintenance for hydroelectric power plant and hydropower's part of joint costs for operation and maintenance of the dam. Funds allow power plant and dam to accomplish assigned missions of providing low cost reliable electric power by maintaining high availability and peak availability and maintaining control of the river.

EN: \$212,000 - Funding provides for the management of natural resources including operation, safety, maintenance of the project boundary line, and cultural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and prevent loss and degradation of more than 52,000 acres of project lands and water.

WS: \$35,000 - Funding provides for evaluating any new intake requests or requests to increase existing withdrawals. Existing water supply agreements require determining the O&M costs each fiscal year and coordinating with users for payment. In addition, these contracts need to be updated every five years to reflect the interest rate changes. Revenues collected and sent to the U.S. Treasury in FY13 under these contracts was \$35,000.

OTHER INFORMATION: Hydropower plant generates 126,000 MWH of energy annually, which is enough supply for 10,500 homes. Dale Hollow Lake ranks #29 of 422 among the Corps for recreation with 2,671,002 project visits in FY12 with an associated \$63,870,000 in trip spending.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$150 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A .

^{2/} In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Great Lakes and Ohio River District: Nashville

Dale Hollow Lake, TN

O&M JUSTIFICATION SHEET

PROJECT NAME: J Percy Priest Dam & Reservoir, TN

AUTHORIZATION: Section 1, River and Harbor Act of 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: J Percy Priest Dam & Reservoir, TN is located on the Stones River, 6.8 miles above its confluence with Cumberland River (mile 205.9) in Davidson County, TN. The project consists of a combination earth and concrete gravity dam, a hydropower plant and a flood storage reservoir with recreation and stewardship areas.

ALLOCATION FOR FY 2014 \$4,773,780

BUDGETED AMOUNT FOR FY 2015: M: \$54,000 O: \$4,842,000 T: \$4,896,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$741,000 - Funding provides for critical minimum routine operation and maintenance at minimum levels.

RC: \$2,996,000 - Funding provides critical health and safety maintenance and services at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas and campgrounds and also provides for joint costs associated with operation of dam structure, spillway gates, intake and outlet works for reservoir regulation; removal and disposal of trash and debris on or in vicinity of dam structures; dam safety/failure training and contingency plans, etc. Funding also provides for additional parking around the lake.

H: \$833,000 - Funding provides for routine operation and maintenance for hydroelectric power plant and hydropower joint costs for operation and maintenance of dam. Funds would allow power plant and dam to accomplish missions of providing low cost reliable electric power by maintaining high availability and peak availability and to maintain control of the river.

EN: \$156,000 - Funding provides for the management of natural resources including operation, safety, maintenance of the project boundary line, and cultural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and prevent loss and degradation of more than 33,000 acres of project lands and water.

WS: \$170,000 – A water supply reallocation study is currently underway per terms of settlement agreement with the town of Smyrna. Existing water supply agreements require determining the O&M costs each fiscal year and coordinating with users for payment. Revenues returned to the U.S. Treasury under Water Supply Agreements for FY13 was \$103,000.

OTHER INFORMATION: Hydropower plant generates 75,000 MWH of energy annually, which is enough supply for 6,250 homes. J. Percy Priest ranks #8 of 422 among the Corps for recreation with 5,874,744 project visits in FY12 with an associated \$118,130,000 in trip spending.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$3,884 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$3,530 (X1000). This amount will be used to perform work on the project as follows: Construction of J. Percy Priest – North Murfreesboro Greenway (Congressional Add).

O&M JUSTIFICATION SHEET

PROJECT NAME: Old Hickory Lock and Dam, TN

AUTHORIZATION: Section 1, River and Harbor Act of 1946 (P.L. 79-525)

LOCATION AND DESCRIPTION: Old Hickory Lock and Dam is located in Metropolitan Nashville Davidson County, TN. The project consists of an 84' by 400' lock, concrete gravity and earth fill dam, hydropower plant & recreation and stewardship areas.

ALLOCATION FOR FY 2014: \$11,846,550

BUDGETED AMOUNT FOR FY 2015: M: \$3,100,000 O: \$8,959,000 T: \$12,059,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,875,000 - Funding provides for critical minimum routine O&M for NAV; critical fleet maintenance; joint costs for data acquisition for dam safety, FRM operations and RE to resolve encroachments. Funding also provides for dewatering & repairing the lock & repairing or replacing the failed security system. Funds would improve navigation performance by providing maintenance of locks & channels, thus reducing industry delays.

FRM: N/A

RC: \$1,579,000 - Funding provides for critical health & safety maint. & service at minimally acceptable levels for designated recreation areas, including access points, overlooks, day use areas & campgrounds.

REC-SUS15: \$345,000 - Funding provides for the replacement of a restroom & wastewater treatment plant. ^{2/}

H: \$3,848,000 - Funding provides for routine O&M for hydroelectric power plant and joint costs for O&M of the dam. Funds would allow power plant & dam to accomplish missions of providing low cost reliable electric power by maintaining high availability & peak availability & maintain control of the river.

EN: \$727,000 – Funding provides sustainability of natural resources IAW the Corps Environmental Operating Principles and stewardship policies & prevents loss & degradation of more than 34,000 acres of project lands and water.

WS: \$30,000 - Funding provides for the necessary coordination with other District elements to process the new intake requests or increases to the existing withdrawals at this Lock and Dam project.

OTHER INFORMATION: Old Hickory Lock processed 4,200,000 tons of waterborne commerce in 2012. Coal & industrial chemicals are dominant commodities. Shippers realize average annual transportation cost savings of more than \$27.4M. Navigation through Old Hickory Lock is the only coal fuel source for one of TVA's major electric generating stations, Gallatin Steam Plant. Hydropower plant generates 482,000 MWH of energy annually, which is enough supply for 40,200 homes. Ranks #3 of 422 among Corps for recreation with 7,902,347 project visits in FY12 with an associated \$176,520,000 in trip spending.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$193 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

^{2/} In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Great Lakes and Ohio River

District: Nashville

Old Hickory Lock and Dam, TN

O&M JUSTIFICATION SHEET

PROJECT NAME: Tennessee River, TN

AUTHORIZATION: Tennessee Valley Authority Act of 1933. (P.L. 73-17)

LOCATION AND DESCRIPTION: Formed by the junction of French Broad and Holston Rivers in eastern Tennessee, the river flows southwest into northern Alabama, in westerly course across north Alabama, to the northeast boundary of Mississippi, north across Tennessee and Kentucky, entering Ohio River at Paducah, Kentucky. Tennessee River navigation system has 10 locks and 780 miles of navigable channel. There are 150 terminals (13 municipal, 15 governments and 122 private). A total of 79 terminals have railroad connections. Principal commodities are petroleum products, stone, sand, gravel, coal, coke, grain, chemicals, iron and steel.

ALLOCATION FOR FY 2014: \$22,448,250

BUDGETED AMOUNT FOR FY 2015: M: \$5,665,000 O: \$19,199,000 T: \$24,864,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$24,864,000 – Funding provides for critical minimum routine operation and maintenance for navigation, critical fleet maintenance support service and maintenance dredging. Funding also provides for dewatering and lock repairs at Wilson and Wheeler Locks. These funds would improve navigation performance by providing maintenance of locks and channels, restoring project dimensions to safe levels and preventing damage of vessels and destruction of the waterway environment.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Locks on the Tennessee River processed 36,800,000 tons in 2012 and are the most economical means of bulk material transport for 780 miles of navigation channel. The average age of locks is 59 years. There is considerable river use for military and rocket booster shipments and oversized components such as nuclear steam generators. The Tennessee Valley Authority heavily uses barge transportation to service hydroelectric, coal, steam and nuclear plants. The Power Service shop at Muscle Shoals performs maintenance on dam and lock components for multiple Corps of Engineers Districts.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$893 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$506 (X1000). This amount will be used to perform work on the project as follows: This amount is earmarked for Guntersville Landing, AL and will not be used.

Virginia

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: John W. Flannagan Dam and Reservoir, VA

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: John W. Flannagan Dam and Reservoir is located in Dickenson County, VA and situated on the Pound River, a tributary of the Russell Fork of the Levisa Fork of the Big Sandy River. It is 1.8 miles above the mouth of Pound River and 150.0 miles above the mouth of the Big Sandy River. The project includes operation and maintenance of John W. Flannagan Dam and Reservoir. The lake is impounded by a rockfill dam with a central impervious core, with a maximum height of 250 feet, and a top length of 916 feet. The dam was completed in 1964.

ALLOCATION FOR FY 2014: \$2,106,720

BUDGETED AMOUNT FOR FY 2015: M: \$3,000 O: \$1,993,000 T: \$1,996,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,244,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$288,486,000 in damages over the course of its operation.

RC: \$656,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 376,000 and average annual visitation 2008-2012 exceeded 433,000.

H: N/A

EN: \$55,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: \$41,000 will provide for routine operation and maintenance for water supply to provide an estimated 10 million gallons per day of water supply for the health, safety and economy of approximately 30,000 citizens in Dickenson, Wise, and Buchanan Counties, Virginia.

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: North Fork of Pound River Lake, VA

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: North Fork of Pound River Lake is located in Wise County, VA, on the North Fork of the Pound River. The Pound River is a tributary of the Russell Fork of the Levisa Fork of the Big Sandy River, 1.1 miles above the mouth of North Fork of Pound River and 184 miles above the mouth of the Big Sandy River. The project includes operation and maintenance of North Fork of Pound River Lake. The lake is impounded by a rockfill dam with central impervious core with a height of 122 feet and length measuring 600 feet. The dam was completed in January 1966.

ALLOCATION FOR FY 2014: \$541,530

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$608,000 T: \$608,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$472,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include inspection of the gaging station bridge, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$16,569,000 in damages over the course of its operation.

RC: \$100,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 99,000 and average annual visitation 2008-2012 exceeded 100,000.

H: N/A

EN: N/A

WS: \$36,000 will provide for routine operation and maintenance for water supply to provide an estimated 0.3 million gallons per day of water supply for the health, safety and economy of approximately 1,000 citizens for the Town of Pound, VA.

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

West Virginia

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Beech Fork Lake, WV

AUTHORIZATION: Section 203 of Flood Control Act of 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: The project is located in Wayne County, WV on Beech Fork of Twelvepole Creek. It is 3.7 miles above the mouth and 2 miles southeast of Lavalette, WV. The project includes operation and maintenance of Beech Fork Lake. The lake is impounded by a rolled earth fill dam with a maximum height of 86 feet, and a crest length of 1,080 feet. The dam was completed in February 1977.

ALLOCATION FOR FY 2014: \$2,207,280

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,338,000 T: \$1,338,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$866,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$21,024,000 in damages over the course of its operation.

RC: \$432,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 751,000 and average annual visitation 2008-2012 exceeded 1,173,000.

H: N/A

EN: \$40,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$85,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bluestone Lake, WV

AUTHORIZATION: Section 5 of the Flood Control Act (FCA) of 1936 (P.L. 74-738) as amended by Section 4 of the FCA 1938 (P.L. 75-761) incorporating the Executive Order of the President 7183A, September 12, 1935

LOCATION AND DESCRIPTION: Bluestone Lake is located in Summers County, WV on the New River, a tributary of the Kanawha River; 64.8 miles above the mouth of the New River. The project includes operation and maintenance of Bluestone Lake. The lake is impounded by a concrete gravity dam with a gated spillway. The top length of the dam is 2,048 feet with a maximum height of 165 feet. The dam was completed in December 1947.

ALLOCATION FOR FY 2014: \$2,894,860

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,304,000 T: \$2,304,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,925,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy; and for continuing the efforts as an Interim Risk Reduction Measure to update the consequence study and develop an Environmental Assessment to defined post Phase 3 (penstocks spillway) and post Phase 4 (additional anchors) interim operations based upon modifications to the project being accomplished through the Dam Safety Assurance program. Routine activities include a periodic inspection for dam safety, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$2,137,136,000 in damages over the course of its operation.

RC: \$323,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 1,585,000 and average annual visitation 2008-2012 exceeded 1,744,000.

H: N/A

EN: \$56,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$9,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Burnsville Lake, WV

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Burnsville Lake is located in Braxton County, WV on the Little Kanawha River. It is 124.2 miles above its confluence with the Ohio River and approximately 3 miles above the town of Burnsville, WV. The project includes operation and maintenance of Burnsville Lake. The lake is impounded by a rockfill embankment with impervious core dam with a gated spillway. The crest length of the dam is 1,400 feet. The dam was completed in January 1976.

ALLOCATION FOR FY 2014: \$2,538,360

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,505,000 T: \$2,505,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,405,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$154,060,000 in damages over the course of its operation.

RC: \$987,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 866,000, and average annual visitation 2008-2012 exceeded 752,000.

H: N/A

EN: \$113,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$3,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: East Lynn Lake, WV

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: East Lynn Lake is located on the East Fork of Twelvepole Creek, 10 miles above the mouth of East Fork and 42 miles above the mouth of Twelvepole Creek. The project includes operation and maintenance of East Lynn Lake. The lake is impounded by a rolled earth fill dam with an uncontrolled saddle spillway. The top length of the dam is 652 feet. The dam was completed in April 1971.

ALLOCATION FOR FY 2014: \$2,286,900

BUDGETED AMOUNT FOR FY 2015: M: \$750,000 O: \$2,074,000 T: \$2,824,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,452,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include inspection of the East Fork Campground and Kiah Creek bridges, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$86,801,000 in damages over the course of its operation.

RC: \$1,291,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment; and to repair the East Fork bridge, which is the only access to the campground and has been reduced to single lane traffic. Project visitation for FY 2012 exceeded 429,000 and average annual visitation 2008-2012 exceeded 434,000.

RC-SUS15: \$500,000 to connect the East Fork campground to commercial water, to reduce outages and to produce environmental benefits, contribute to the green effort and reduce operational cost of utilities.^{2/}

H: N/A

EN: \$81,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

^{2/}In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Elkins, WV

AUTHORIZATION: Section 4 of the Flood Control Act of 1938 (P.L 75-761)

LOCATION AND DESCRIPTION: The project is located on the Tygart River at Elkins, Randolph County, West Virginia. Elkins, WV is a local flood protection project.

CONFERENCE AMOUNT FOR FY 2014: \$ 55,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 57,000 T: \$ 57,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$57,000 - Assure safety, structure, integrity, and operational adequacy through inspection of the project.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Elkins has prevented more than \$23,936,000 in damages since its completion in 1949.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Elkins, WV

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kanawha River Locks and Dams, WV

AUTHORIZATION: River and Harbor Acts of 1930 (P.L. 71-520) and 1935 (P.L. 74-409)

LOCATION AND DESCRIPTION: Kanawha River Locks and Dams is located in WV, begins at the mouth of the Kanawha River and encompasses 90.6 miles upstream of its confluence with the Ohio River. The locks and dams located along this stretch include London, Marmet and Winfield.

ALLOCATION FOR FY 2014: \$11,412,720

BUDGETED AMOUNT FOR FY 2015: M: \$1,190,000 O: \$7,845,000 T: \$9,035,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$8,854,000 will provide for critical minimum routine operation and maintenance for navigation; dredging to maintain the navigation channel; and modifications to the ladders on the downstream guide and guard walls at London Locks and Dam to meet OSHA requirements and reduce public safety risk for the deckhands that must use the ladders to break the tows for lockages. Routine activities include a periodic inspection for dam safety at Winfield L&D, inspection of the gatebay and dam service bridges at Winfield L&D, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, maintaining service contracts, and real estate outgrant management. The 5 year average tonnage of commodities transported on the Kanawha River Locks and Dams exceeds 19,900,000 tons.

FRM: N/A

RC: \$106,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 290,000 and average annual visitation 2008-2012 exceeded 365,000.

H: N/A

E: \$75,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$11K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ohio River Locks and Dams, WV, KY & OH

AUTHORIZATION: River and Harbor Acts of 1909 (P.L. 60-317) and 1935 (P.L. 74-409)

LOCATION AND DESCRIPTION: Ohio River Locks and Dams is located in WV, KY and OH and begins 127 miles downstream from Pittsburgh, PA (mile 127) and continues to mile 438 on the Ohio River. The project includes Willow Island, Belleville, Racine, Robert C. Byrd, Greenup, and Captain Anthony Meldahl Locks and Dams which are the six locks within the Huntington District located on the Ohio River.

ALLOCATION FOR FY 2014: \$31,725,540

BUDGETED AMOUNT FOR FY 2015: M: \$14,376,000 O: \$17,383,000 T: \$31,759,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$31,534,000 will provide for critical minimum routine operation and maintenance, including required inspections, necessary to provide safe, reliable, efficient, effective, and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation; continuation of the Inland Waterways Transportation Economics effort, to ensure that resources are applied to the most critical projects throughout the Ohio River basin; critical fleet maintenance including repair of the auxiliary and main chamber miter gates at Belleville, repair of the main chamber miter gates at Racine, repair of the empty valves in the main chamber at Belleville, and repair of the main and auxiliary chamber culvert valves at Racine; upgrade of the Critical Infrastructure Protection and Resilience equipment at Greenup and RC Byrd; anchoring of the lock walls at Greenup; and developing plans and specifications to repair the dam tainter gates at Meldahl. Routine activities include a periodic inspections for dam safety at Belleville and RC Byrd; inspection of the riverwall access and dam service bridges at Belleville, Jesse Stuart and dam service bridges at Greenup, and the dam service bridge at RC Byrd; water control management; required safety-related analyses and studies; data collection; monitoring instrumentation; maintaining service contracts; and real estate outgrant management. The 5 year average tonnage of commodities transported on this waterway exceeds 94,000,000 tons.

FRM: N/A

RC: \$216,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 846,000 and average annual visitation 2008-2012 exceeded 919,000.

H: N/A

EN: \$9,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$716K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River District: Huntington Ohio River Locks and Dams,
WV, KY, & OH

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ohio River Open Channel Work, WV, KY & OH

AUTHORIZATION: River and Harbor Acts of 1909 (P.L. 60-317) and 1935 (P.L. 74-409)

LOCATION AND DESCRIPTION: Ohio River Open Channel Work, WV, KY and OH begins 127 miles downstream from Pittsburgh, PA (mile 127) and continues to mile 438 on the Ohio River. The project requires dredging annually to maintain its authorized depth of nine feet.

ALLOCATION FOR FY 2014: \$3,081,870

BUDGETED AMOUNT FOR FY 2015: M: \$2,895,000 O: \$0 T: \$2,895,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,895,000 will provide for critical minimum routine operation and maintenance for navigation to maintain the minimum project dimensions to provide safe, reliable, efficient, effective, and environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation. 60% of the funding is used to dredge the main approach channels to navigation projects. If the mainstem channel is not dredged annually, it will silt in and commercial traffic would be drastically impacted. This would have a detrimental impact on the commercial and navigation industry. The 5 year average tonnage of commodities transported on this waterway exceeds 94,000,000 tons.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$45K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: R. D. Bailey Lake, WV

AUTHORIZATION: Section 203 of Flood Control Act of 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: R. D. Bailey Lake is located on the Guyandotte River in Mingo and Wyoming Counties in WV approximately 112 miles above the mouth of the Guyandotte River and about 1 mile northeast of the community of Justice. The project includes operation and maintenance of R. D. Bailey Lake. The lake is impounded by a random and rock fill dam with a concrete face. The maximum height is 310 feet, and the top length of the dam is 1,397 feet. The dam was completed in 1980.

ALLOCATION FOR FY 2014: \$2,632,430

BUDGETED AMOUNT FOR FY 2015: M: \$153,000 O: \$2,169,000 T: \$2,322,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,556,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$278,623,000 in damages over the course of its operation.

RC: \$708,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 482,000 and average annual visitation 2008-2012 exceeded 398,000.

H: N/A

EN: \$58,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Stonewall Jackson Lake, WV

AUTHORIZATION: Flood Control Act of November 1966 (P.L. 89-789)

LOCATION AND DESCRIPTION: Stonewall Jackson Dam is on the West Fork River at Brownsville, WV, approximately 73.9 miles above its junction with the Tygart River at Fairmont, WV, where the two rivers form the Monongahela River. The lake is located entirely within Lewis County, WV. Stonewall Jackson Lake is a multi-purpose reservoir.

ALLOCATION FOR FY 2014: \$1,172,000

BUDGETED AMOUNT FOR FY 2015: M: \$35,000 O: \$1,235,000 T: \$1,270,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,172,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

FRM-SUS 15: \$35,000 – MBUDFDR05, Replace dam lighting, dam office lighting and maintenance building lighting to reduce high energy usage and increased utility bills. ^{2/}

RC: \$53,000 - Operate and maintain recreation facilities including a visitor center, fishing access, and leased lands to the state of WV for hunting, fishing, camping, and other recreation. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$37,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: \$8,000 – Management and oversight of water supply storage.

OTHER INFORMATION: Stonewall Jackson Lake has prevented more than \$236,472,000 in damages since its completion in 1990. Benefits include flood protection, low flow augmentation for water quality, water supply, fish and wildlife enhancement, hydropower, and recreation. The average annual recreational visits from 2008 through 2012 was 515,913.

^{1/} Estimated Unobligated "Carry-in" Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

^{2/} In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Great Lakes and Ohio River District: Pittsburgh Stonewall Jackson Lake, WV

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Summersville Lake, WV

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Summersville Lake is located in Nicholas County, WV, on the Gauley River, a tributary of the Kanawha River. It is 34.5 miles above the mouth of the Gauley River and 131.5 miles above the mouth of the Kanawha River. The project includes operation and maintenance of Summersville Lake. The dam is a rock fill with a central impervious core, a maximum height of 390 feet, and a top length of 2,280 feet. The dam was completed in 1966.

ALLOCATION FOR FY 2014: \$3,314,520

BUDGETED AMOUNT FOR FY 2015: M: \$351,000 O: \$2,196,000 T: \$2,547,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,627,000 will provide for critical minimum routine operation and maintenance for flood risk management to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy; and for installation of the replacement Howell Bunger Valve #3 to restore operational capability to the project. Routine activities include water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$706,547,000 in damages over the course of its operation.

RC: \$832,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 996,000 and average annual visitation 2008-2012 exceeded 910,000.

H: N/A

EN: \$47,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: \$41,000 will provide for routine operation and maintenance for water supply to provide an estimated 4 million gallons per day of water supply for the health, safety and economy of approximately 12,000 citizens in Summersville, WV.

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$4K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sutton Lake, WV

AUTHORIZATION: Section 4 of Flood Control Act of 1938 (P.L. 75-761)

LOCATION AND DESCRIPTION: Sutton Lake is located in Braxton County, WV, on the Elk River, a tributary of the Kanawha River. It is 100.4 miles above the mouth of the Elk River and 158.9 miles above the mouth of the Kanawha River. The project includes operation and maintenance of Sutton Lake. The lake is impounded by a concrete gravity dam with a maximum height of 210 feet, a top length of 1,178 feet, a top width of 20 feet, and a maximum base width of 195 feet. The dam was completed in 1961.

ALLOCATION FOR FY 2014: \$2,804,720

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,519,000 T: \$2,519,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,712,000 will provide for critical minimum routine operation and maintenance for flood risk management, including required inspections, to enhance the quality of American life by reducing flood risk to both life and property, providing benefits to individuals, communities, and the national economy. Routine activities include a periodic assessment for dam safety, water control management, required safety-related analyses and studies, data collection, monitoring instrumentation, controlling reservoir releases, maintaining service contracts, and real estate outgrant management. The project has prevented over \$419,685,000 in damages over the course of its operation.

RC: \$767,000 will provide for routine operation and maintenance to provide recreational opportunities to the public to enhance the quality of American life by providing benefits to individuals, communities, the national economy, and the environment. Project visitation for FY 2012 exceeded 451,000 and average annual visitation 2008-2012 exceeded 475,000.

H: N/A

EN: \$40,000 will provide for routine operation and maintenance for environmental stewardship to provide management of natural and cultural resources to achieve healthy, sustainable conditions, and foster healthy lands and waters by balancing public uses and needs.

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$587K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tygart Lake, WV

AUTHORIZATION: Rivers and Harbors Act of 1935 (P.L. 74-409)

LOCATION AND DESCRIPTION: Tygart Dam is located on the Tygart River, in Taylor County, WV, about 23.1 miles above the mouth of the river at Fairmont, WV, about 2.25 miles above Grafton, WV, and about 78 miles south of Pittsburgh, PA. The lake is located in Taylor and Barbour Counties, WV. Tygart Lake is a multi-purpose reservoir.

ALLOCATION FOR FY 2014: \$ 1,821,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 1,305,000 T: \$ 1,305,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,158,000 - Accomplish flood reduction mission by critical minimum routine operation of the dam, water control management, dam safety inspections, required safety-related analyses and studies, and real estate outgrant management.

RC: \$58,000 – Operate and maintain recreation facilities to support boating, swimming, camping, fishing, hunting, picnicking, and hiking trails. Also fulfills Corps requirements for visitor health and safety.

H: N/A

EN: \$81,000 - Accomplish shoreline management, threatened/endangered species surveillance, cultural resource protection/preservation, invasive species eradication, and protection of natural resources. These funds will assure sustainability of natural resources in accordance with the Corps Environmental Operating Principles and stewardship policies and will prevent loss of and degradation to project lands and water.

WS: \$ 8,000 – Management and oversight of water supply contract with City of Grafton, WV.

OTHER INFORMATION: Tygart Lake has prevented more than \$1,188,978,000 in damages since its completion in 1938. In addition to flood control, the Tygart project was also authorized for navigation and water supply purposes. During the summer and fall low-water season, Tygart releases additional water downstream to meet navigation water supply requirements on the Monongahela and upper Ohio River for commercial navigation. The increased flow also improves water quality and quantity for domestic and industrial use, recreation, aesthetics, and protection of aquatic life. The average annual recreational visits from 2008 through 2012 was 461,690.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 (x1000). This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Pittsburgh

Tygart Lake, WV

Wisconsin

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fox River, WI

AUTHORIZATION: River and Harbor Act of 1886, as amended; and Section 332, WRDA 1992 (PL 102-580)

LOCATION AND DESCRIPTION: The project is located on the Lower Fox River from Lake Winnebago to Green Bay, Wisconsin. The project includes nine dams consisting of concrete gravity spillways and tainter gate structures operated by lift machinery. The project is primarily operated for flood control purposes.

ALLOCATION FOR FY 2014: \$2,684,950

BUDGETED AMOUNT FOR FY 2015: M: \$700,000 O: \$2,272,000 T: \$2,972,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,931,000 – Funding provides for collection of water level data, critical minimum routine operation of the dams to regulate pools for multiple uses (flood risk management, and supply of water to private hydropower, paper mills and municipal uses), completion of dam safety inspections, update of the project water control plan, and replacement of a dam operation walkway. Without continued dam operations, the risk of flooding increases, the State owned locks cannot operate and power plants/paper mills would lose pool and not be able to function. There are a total of 24 paper and pulp plants located along the Fox River that draw water from the river for use in processing and power production.

RC: N/A

H: N/A

EN: \$41,000 – Funding provides for annual activities that are associated with compliance with State and Federal historic preservation requirements, including investigation and coordination of operation and maintenance activities and document preservation.

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$126K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Green Bay Harbor, WI

AUTHORIZATION: River and Harbor Act of 1866, as amended

LOCATION AND DESCRIPTION: Located at the mouth of the Fox River at the head of Green Bay in Lake Michigan. Green Bay Harbor is a deep draft commercial harbor with over 14 miles of maintained channel. Maintenance dredging is required on an annual basis and dredged material is placed in either the Bay Port disposal facility under an agreement with the Brown County Port Authority or the Cat Island disposal facility depending on the attributes of the material being dredged. Dredging is currently scheduled for 2015.

ALLOCATION FOR FY 2014: \$3,333,330

BUDGETED AMOUNT FOR FY 2015: M: \$2,500,000 O: \$381,000 T: \$2,881,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,881,000 – Funding provides for critical minimum routine operation and maintenance for navigation, including project condition surveys and maintenance dredging by contract to provide minimum functional depth at the most critical portions of this Federal channel. Shoaling results in a need to remove upwards of 190,000 cubic yards of material annually in order to maintain channel functionality and avoid increased transportation costs.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$83K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kewaunee Harbor, WI

AUTHORIZATION: River and Harbor Act of 1881

LOCATION AND DESCRIPTION: Kewaunee Harbor is a deep draft commercial harbor located on the western shore of Lake Michigan at the mouth of the Kewaunee River, about 100 miles north of Milwaukee, WI, and 27 miles south of Sturgeon Bay, WI. Project provides for commercial navigation with 5,500 feet of maintained channels. Project also includes 6,500 feet of navigation structures, including breakwaters and piers.

ALLOCATION FOR FY 2014: \$800,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$10,000 T: \$10,000^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: N/A

H: N/A

EN: \$10,000 – Funding provides for maintaining compliance with the National Historic Preservation Act and with the Historic Management Plan.

WS: N/A

OTHER INFORMATION: N/A

^{1/} Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$6K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M JUSTIFICATION SHEET

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sturgeon Bay Harbor & Lake Michigan Ship Canal, WI

AUTHORIZATION: River and Harbor Act of 1873, as amended

LOCATION AND DESCRIPTION: Sturgeon Bay Harbor is located in Wisconsin on the west shore of Lake Michigan approximately 52 miles northeast of Green Bay and about 128 miles north of Milwaukee. Provides for deep draft commercial navigation with 8.5 miles of maintained navigation channel depths of 22 to 23 feet and at 20 feet within the turning basin. Project also includes approximately 15,100 feet of navigation structures, including breakwaters and revetments. Sturgeon Bay is home to two ship builders and a U.S. Coast Guard search and rescue operation.

ALLOCATION FOR FY 2014: \$19,800

BUDGETED AMOUNT FOR FY 2015: M: \$2,000 O: \$19,000 T: \$21,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: \$21,000 – Funding provides for the maintenance required to provide minimal safety requirements for visitors to the recreational features of this project.

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

^{1/}Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$8K. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Great Lakes and Ohio River

District: Detroit

Sturgeon Bay Harbor & Lake Michigan
Ship Canal, WI

Mississippi Valley Division

24 March 2014

OPERATION AND MAINTENANCE

Key to Abbreviations:

N = Navigation

FDR = Flood Damage Reduction

Rec = Recreation

Hydro = Hydropower

ES = Environmental Stewardship

WS = Water Supply

ARKANSAS

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Blakely Mountain Dam, Lake Ouachita, AR

AUTHORIZATION: Flood Control Act 1944, Section 10.

LOCATION AND DESCRIPTION: Blakely Mountain Dam, Lake Ouachita is located on the Ouachita River in Garland and Montgomery Counties, Arkansas, west of Hot Springs, Arkansas. The project consists of an earth-fill dam, power plant and lake for hydropower generation, flood control, recreation, water supply, and natural resources management. Storage capacity of the lake is 2,768,000 acre-feet. The power plant has a generating capacity of 75,000 kilowatts. Twenty campgrounds and recreation areas are located on the project. Annual public visitation to the project is 4,500,000.

ALLOCATION FOR FY 2014: \$7,904,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,053,000 O: \$5,505,000 T: \$7,558,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A.

FRM: \$1,072,000 - Provides for minimal operation and maintenance of the dam including inspections and water control data collection.

RC: \$2,459,000 - Provides minimal operation and maintenance of recreation facilities.

H: \$3,763,000 - Provides for minimal critical operation and maintenance of the hydropower facilities and rehab of the power tunnel

EN: \$259,000 - Provides for monitoring and surveying wildlife and other organisms listed as threatened or endangered, monitoring culturally significant sites for disturbances, taking protective measures to prevent disturbances, investigating and reporting disturbances of sites, forest management activities, monitoring exotic species infestations in Lake Ouachita and updating Lake Ouachita Master Plan.

ENS-SUS15: \$30,000 provides for energy sustainability package to purchase and install water miser units for 96 shower & 84 sink outlets and 120 - 2.4 gal toilets and 26 urinals for 16 wash houses and 10 comfort stations to reduce consumption of potable water by a projected 2.2 million gallons annually. 2/

ENS-SUS15: \$100,000 provides for reline approximately 1,400 ft of 1970 era clay tile waste water collection system pipes that has deteriorated allowing infiltration of approximately 2,016,000 of surface water annually into the waste water system causing a 40-60% increase in electrical run time for 6 waste water plants. 2/

ENS-SUS15: \$17,000 provides for initiation of recycling program with Garland County Beautification Commission for plastic, glass, & metals generated on project by Campers and Day-Users. Establish recycling bins in 8 Recreation Areas and partner for collection and transport of materials. 2/

WS: \$5,000 - Provides for coordination of new water supply agreements.

OTHER INFORMATION: In FY 2013, Blakely Mountain Power Plant generated 167,180 megawatt-hours of hydroelectric power and since being placed in operation, has produced gross revenues of over \$140,675,200. Blakely Mountain Dam has prevented over \$23,000,000 in flood damages since it was placed in operation. Visitors to the lake spent \$17,780,000 in the immediate area in 2012, resulting in \$11,100,000 in direct sales to tourism-related firms. Visitor spending resulted in \$15,510,000 in total sales, \$5,570,000 in total personal income and supported 309 jobs, boosting the local economy.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: DeGray Lake, AR

AUTHORIZATION: River and Harbor Act 1950, Section 101 and Water Supply Act of 1958, as amended by Federal Water Pollution Control Act of 1961.

LOCATION AND DESCRIPTION: DeGray Lake is located on the Caddo River in Clark and Hot Spring Counties, AR, northwest of Arkadelphia, AR. The project consists of an earth-fill dam, power plant and lake for hydropower generation, flood control, recreation, water supply, and natural resources management. Storage capacity of the lake is 495,100 acre-feet. The power plant has a generating capacity of 68,000 kilowatts. There is a re-regulating pool below the main dam for water supply storage and pumped-storage power generation. Eighteen campgrounds and recreation areas are located on the project. Annual public visitation to the project is approximately 3,000,000.

ALLOCATION FOR FY 2014: \$5,629,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,045,000 O: \$4,607,000 T: \$5,652,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$31,000 - Provides for joint activities for repairs to downstream ditches and data gathering.

FRM: \$516,000 - Provides for minimal operation and maintenance of the dam including inspections and data collection road repair, and update EAP.

RC: \$2,490,000 - Provides minimal operation and maintenance of recreation facilities.

H: \$2,185,000 - Provides for minimal critical operation and maintenance of the hydropower facilities, rehab of intake crane controls and repairs and refurbish intake cylinder gate

EN: \$430,000 - Provides for minimal management of cultural and natural resources from further degradation. This includes boundary surveillance for encroachments, outgrant and land use request evaluations, surveillance of lands and waters to monitor and control invasive species such as hydrilla and the gypsy moth, selective timber thinning, prescribed burning activities, and the creation of fish and wildlife habitat.

ENS-SUS15: \$29,000 provides for replacement of 12,000 feet of 2 ½ inch water line at Shouse Ford Recreation Area. The line is repaired 8 plus times a year (4 man crew) with an estimated loss of 650,000 gallons of water annually. It would reduce water usage by 70% which is purchased from the Kimsey Water District. 2/

WS: N/A.

OTHER INFORMATION: In FY 2013, DeGray Power Plant generated 56,951 megawatt-hours of hydroelectric power and since being placed in operation, has produced gross revenues of over \$93,601,200. DeGray Dam has prevented \$9,000,000 in flood damages since it was placed in operation. Visitors to the lake spent \$15,110,000 in the immediate area in 2012, resulting in \$9,430,000 in direct sales to tourism-related firms. Visitor spending resulted in \$13,170,000 in total sales, \$4,730,000 in total personal income and supported 263 jobs, boosting the local economy.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$117,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: NA.

Mississippi Valley Division

Vicksburg District

DeGray Lake, AR

PROJECT NAME: DeGray Lake, AR (Continued)

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance PROJECT NAME:

Helena Harbor, Phillips County, AR AUTHORIZATION: River and Harbor

Act of 1960, Sec. 107, as amended

LOCATION AND DESCRIPTION: This harbor is located on the Mississippi River (mile 663.0) at Helena in Phillips County, Arkansas. This is a slack-water harbor used primarily for the export of agricultural goods. The project provides for maintenance of the navigation channel for year-round access to barge transportation for the existing facilities. The approved channel dimensions are 9 feet deep by 450 feet wide by 3,200 feet long. The local interest is the city of Helena, AR.

ALLOCATION FOR FY 2014: \$ 26,000

BUDGETED AMOUNT FOR FY 2015: M: \$16,000 O: \$0 T: \$16,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$16,000 – Provides for performance of minimal surveys and includes labor for coordination and execution of the project. These funds would allow for the determination of current harbor conditions for navigation and maintenance requirements.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: 5 year average commercial tonnage is 1771.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Narrows Dam, Lake Greeson, AR

AUTHORIZATION: Flood Control Act 1944.

LOCATION AND DESCRIPTION: Narrows Dam/Lake Greeson is located on the Little Missouri River in Pike County, AR, north of Murfreesboro, AR. The project consists of a concrete dam, power plant and lake for hydropower generation, flood control, recreation, water supply, and natural resources management. Storage capacity of the lake is 407,000 acre-feet. The power plant has a generating capacity of 25,500 kilowatts. There are 16 campgrounds and recreation areas on the project. Annual public visitation to the project is approximately 2,000,000.

ALLOCATION FOR FY 2014: \$5,831,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,350,000 O: \$3,289,000 T: \$5,639,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A.

FRM: \$1,054,000 - Provides for minimal operation and maintenance of the dam including inspections and data collection.

RC: \$1,503,000 - Provides minimal operation and maintenance of recreation facilities.

H: \$2,825,000 - Provides minimal critical operation and maintenance of the hydropower facilities. In FY 2013, Narrows Power Plant generated 52,280 megawatt-hours of hydroelectric power and since being placed in operation, has produced gross revenues of over \$43,126,100.

EN: \$257,000 - Provides for management of cultural and natural resources. It also enables the continuation of contracts or agreements for cultural resources surveys, testing, evaluation, analysis, protection, and work to prevent or mitigate damage or deterioration to those characteristics or attributes that contribute to their significance. Also, the participation of environmental stewardship partnership agreements with the Arkansas Game and Fish Commission, including large scale establishment of fish habitat and structure, establishment of native aquatic vegetation, and seeding of exposed shoreline during periods of low water.

WS: N/A.

OTHER INFORMATION: Narrows Dam has prevented over \$9,700,000 in flood damages since it was placed in operation. Visitors to the lake spent \$6,270,000 in the immediate area in 2012, resulting in \$3,470,000 in direct sales to tourism-related firms. Visitor spending resulted in \$4,470,000 in total sales, \$1,640,000 in total personal income and supported 114 jobs, boosting the local economy.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,000. As of the date this justification sheet was prepared, the total estimated unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Osceola Harbor, AR

AUTHORIZATION: River and Harbor Act of 1960, Section 107, as amended; WRDA 2007, Sec. 3010

LOCATION AND DESCRIPTION: This harbor is located on the Mississippi River at mile 785.0 near Osceola, in Mississippi County, Arkansas. This is a slack-water harbor used primarily for the export of agricultural goods. The project provides for maintenance of a navigation channel for year-round access for barge transportation. The approved channel dimensions are 9 feet deep by 250 feet wide by 6,500 feet long, with a 250-foot radius turning basin at the upstream end. The local interest is the city of Osceola, AR.

ALLOCATION FOR FY 2014: \$840,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,000 O: \$13,000 T: \$15,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$15,000 – Provides for performance of minimal critical surveys.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This information can be provided to the local interests for their use in determining the navigation capacity of the harbor. 5 year average commercial tonnage is 486.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ouachita and Black Rivers, AR and LA

AUTHORIZATION: River and Harbor Act 1950 as modified by River and Harbor Act 1960.

LOCATION AND DESCRIPTION: The project for navigation on the Ouachita/Black Rivers extends 366 miles from the mouth of the Black River to Camden, Arkansas, and provides for a 9- by 100-foot navigation channel. The project also includes a diversion channel through Catahoula Lake near Jonesville, Louisiana, for ecological reasons.

ALLOCATION FOR FY 2014: \$11,188,000

BUDGETED AMOUNT FOR FY 2015: M: \$3,999,000 O: \$5,235,000 T: \$9,234,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,832,000 - Provides for minimal critical operation and maintenance of locks and dams, minimal critical dredging, collection of data for water control and quality, inspections, and real estate management. Also provides \$2,000,000 for remote operation of tainter gates on two locks and dams.

FRM: \$15,000 - Provides for real estate management of the project lands leased to others in the Camden, AR area.

RC: \$1,310,000 - Provides for minimal operation and maintenance of recreation facilities.

H: N/A.

EN: \$77,000 - Provides for minimal natural resource management activities on the waterway including conservation and protection of soil, water, wetland, vegetation, waterfowl, fish, and wildlife.

WS: N/A.

OTHER INFORMATION: Levels of service at the locks and dams have been reduced in accordance with Inland Marine Transportation System (IMTS). In 2011, 942,547 tons of cargo was shipped on the Ouachita and Black Rivers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: White River, AR

AUTHORIZATION: The River and Harbors Act of 13 July 1892 authorized the original project. Maintenance was discontinued after FY 1951 due to a decline in traffic volume. Maintenance was resumed in FY 1961. The Office of the Chief of Engineers modified the project authority on 11 March 1968, per Section 107 of the 1960 River and Harbors Act.

LOCATION AND DESCRIPTION: This project is located on the White River from mile 9.8 to mile 255, near Newport, in Jackson County. The project provides for maintenance of the navigation channel with sufficient width and depth to accommodate existing commerce by snagging, dredging, and construction work. The existing authority is for 4.5 feet by 100 feet from mile 198 to 255 at 3.5 feet on the Newport gage; and 8 feet by 125 feet from mile 9.8 to 198 at 12 feet on the Clarendon gage, including a 5 feet minimum draft at low river stages. The local interest is the Arkansas Waterways Commission.

ALLOCATION FOR FY 2014: \$31,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$31,000 T: \$31,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$31,000 – Provides for performance of minimal surveys. This information can be provided to local interests for their use in determining the navigation capacity of the channel in the project area.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: 5 year average commercial tonnage is 67.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Yellow Bend Port, AR

AUTHORIZATION: River and Harbor Act of 1960.

LOCATION AND DESCRIPTION: Yellow Bend Port is an inland port located along the Mississippi River in Desha County, Arkansas. This project's purpose is to meet transportation needs for water-oriented industry in Desha and Chicot Counties in Arkansas.

ALLOCATION FOR FY 2014: \$115,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$3,000 T: \$3,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,000 - Provides for minimal surveys in the event maintenance dredging is required to maintain authorized channel dimensions, ensuring the harbor is open during low water periods.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This project serves the transportation needs for water-oriented industry for many small communities and farmers in the Arkansas Delta. The project was constructed in 1990 and has been maintained annually. In 2011, the port shipped 214,988 tons.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

ILLINOIS

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Carlyle Lake, IL

AUTHORIZATION: FCA 1938, 1944, and 1958.

LOCATION AND DESCRIPTION: The project, completed in 1967, is located on Kaskaskia River, approximately 107 miles above its mouth, near the community of Carlyle, Illinois. Portions of the project are situated in Clinton, Fayette, Bond, and Marion Counties. Carlyle Lake is the largest man-made lake in Illinois, with over 26,000 acres of water and 11,000 acres of public land. Lake provides flood control, water quality control and water supply to nearby communities; recreation; and fish and wildlife conservation. It is authorized to augment navigation flows downstream on the Kaskaskia River.

ALLOCATION FOR FY 2014: \$5,637,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,269,000 O: \$3,411,000 T: \$5,680,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,224,000 – Provides for minimal operation and maintenance (O&M) of flood risk management (FRM) features ensuring operational availability of critical infrastructure; critical dam maintenance, dam safety, water control and real estate costs for compliance management.

RC: \$2,956,000 – Minimal operation and maintenance of recreation areas, facilities and programs, public health and safety, law enforcement agreements, use fees collection, and visitor center operations.

REC-SUS15: \$175,000 funding for materials to improve energy efficiency and reduce future O&M costs. Work includes installation of 1 geothermal unit for heating/cooling of facility, 8 tank less water heaters, 75 motion sensor lights, 91 photo-sensor lights, 166 LED compatible light fixtures, and conversion of CFL bulbs to LED bulbs. Modifications will increase energy efficiency, reducing expenditures at one of the highest used recreation areas in the nation. 2/

H: N/A

EN: \$461,000 – Provides for minimal O&M of environmental stewardship program and features; environmental compliance, control of invasive species, cultural and natural resource protection, environmental stewardship on 38,000 acres of fee lands and waters, with 75 miles of boundary.

WS: \$39,000 - Annual recurring minimal O&M costs associated with water supply. Funding will ensure availability of water supply meeting contract requirements.

OTHER INFORMATION: FY 2012 project visitation was 2,844,000, generating recreation economic benefits estimated at \$67,601,000 (due to nation-wide effort to modernize the visitation estimation and reporting system FY13 data is unavailable). Leveraged funds for FY 2013 were \$500,000 and will maximize benefits regionally and nationally.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this study is \$153,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the study as follows: N/A.

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY 2015.

Mississippi Valley Division

St. Louis District

Carlyle Lake, IL

24 March 2014

MVD-14

APPROPRIATION: Operation and Maintenance

PROJECT NAME: Farm Creek Reservoirs, IL

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project includes two dry reservoirs (Fondulac and Farmdale) located on tributary streams to the Illinois Waterway upstream of Peoria, Illinois, providing flood control for East Peoria, Illinois.

ALLOCATION FOR FY 2014: \$309,000

BUDGETED AMOUNT FOR FY 2015: M: \$224,000 O: \$146,000 T: \$370,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$370,000 – Provides for minimum maintenance of two dry reservoirs upstream of Peoria, Illinois. Funds would also provide for the Periodic Inspection as required by the Dam Safety Program. Population at risk is 136,000.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Regional FY 2013 economic impacts are \$893,000 from an estimated 55,000 recreation visitations.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$212,000. As of the date this justification sheet was prepared, the total estimated unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION: Operation and Maintenance

PROJECT NAME: Illinois Waterway (MVR Portion), IL & IN

AUTHORIZATION: River and Harbor Acts 1927 and 1930

LOCATION AND DESCRIPTION: The project includes a total of 268 river miles of 9-foot commercial navigation channel from Chicago to LaGrange Lock and Dam, near Beardstown, Illinois; with 8 locks and 7 dams. The navigable portions of this river and the locks and dams that allow waterway traffic to move from one pool to another are integral parts of a regional, national, and international transportation network. The system is significant for certain key exports and the Nation's balance of trade. Recreation facilities include a Visitor Center at Starved Rock Lock and Dam.

ALLOCATION FOR FY 2014: \$55,485,000

BUDGETED AMOUNT FOR FY 2015: M: \$20,414,000 O: \$18,975,000 T: \$39,389,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$38,876,000 – Provides for minimal operations and maintenance at 8 lock and dams sites and the project office, critical fleet maintenance support service; dredging, water control, dredged material disposal, dam safety, and real estate management. FY2015 funds will also be used to procure miter gates for Peoria Lock, dewater O'Brien Lock, and conduct updated economic analyses for O'Brien and LaGrange RERs.

FRM: N/A

RC: \$487,000 – Provides for minimal operation and maintenance of the visitor center at Starved Rock Lock and Dam. These funds support management of the recreation program and public visitation by providing safe recreation facilities, and visitor assistance and protection.

H: N/A

EN: \$26,000 – Provides for annual stewardship activities to protect the health, sustainability and integrity of the public lands associated with the project. These activities include natural resource management practices, environmental evaluation and reviews, shoreline protection, cultural resource investigations, and water quality control.

WS: N/A

OTHER INFORMATION: More than 580 manufacturing facilities, terminals and docks ship and receive goods on the Upper Mississippi River Basin, which includes the Illinois Waterway. Annually, the regional project generates an estimated \$1,000,000,000 of transportation cost savings compared to overland methods. This savings equates to approximately \$24 per ton. Regional FY 2013 economic impacts are \$2,200,000 from approximately 79,000 visits.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$3,396,000. As of the date this justification sheet was prepared, the total estimated unobligated dollars to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Illinois Waterway (MVS Portion), IL & IN

AUTHORIZATION: River and Harbor Acts of 1927 and 1930

LOCATION AND DESCRIPTION: The portion of the Illinois Waterway within the boundaries of the St. Louis District extending from the mouth of the Illinois River at Grafton, Illinois, to the tail water of LaGrange Lock and Dam at mile 80.15. The project operates and maintains the nine-foot navigation channel by dredging, channel patrol, water management, environmental compliance, stewardship of lands and waters and river engineering. The project has stewardship responsibility for 16,000 acres of public lands.

ALLOCATION FOR FY 2014: \$2,727,000

BUDGET FOR FY 2015: M: \$1,431,000 O: \$395,000 T: \$1,826,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,713,000 – Provides for minimal operations and maintenance for the lower 80 miles of navigation channel to include water management, water quality, surveys, channel patrol, and only the most critical dredging needs.

FRM: N/A

RC: N/A

H: N/A

EN: \$113,000 – Provides for minimal stewardship of 16,000 acres of land, management of outgrants, and coordination with environmental partners for conservation and restoration. Includes boundary management of 30.5 miles of project boundary.

WS: N/A

OTHER INFORMATION: The Illinois Waterway accounts for approximately 50 percent of the commercial commodity tonnage shipped south through St. Louis Harbor. As such, it is an important transportation corridor. The lower Illinois River project lands and waters contain important Federal and State managed wildlife areas and heavily utilized recreational features. This area includes approximately 16,000 acres of Corps-owned land, six state conservation areas, and one state park.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 this project is \$38,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION: Operation and Maintenance

PROJECT NAME: Inspection of Completed Environmental Projects, Illinois

AUTHORIZATION: River and Harbor Acts 1927 and 1930

LOCATION AND DESCRIPTION. The project consists of inspection of completed ecosystem restoration projects within the Rock Island District including 314 river-miles from Guttenberg, Iowa, downstream to Saverton, Missouri along the Mississippi River and 268 river miles from Chicago to LaGrange Lock and Dam, near Beardstown, Illinois.

ALLOCATION FOR FY 2014: \$49,500

BUDGETED AMOUNT FOR FY 2015: M: 0 O: \$50,000 T: \$50,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: N/A

H: N/A

ENR: \$50,000 – Provides for critical inspection of completed ecosystem restoration projects to assess the status of the restoration of the degraded ecosystem structure, function and dynamic processes.

WS: N/A

OTHER INFORMATION: Inspection of completed environmental projects to include Sec 519 Peoria Upper Islands, Potters Marsh HREP, and Princeton HREP. Work to include general coordination with site managers to establish inspection needs, site visits, survey, and biological assessments. A trip report will be prepared for each project site to document current condition, recommendations for future inspections and design considerations for other projects.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$65,000. As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kaskaskia River Navigation, IL

AUTHORIZATION: Sec 101 of River and Harbor Act 1962, Sec 321 of Water Resources Development Act (WRDA) 1996 (Public Law (PL) 104-303), Sec 311 of WRDA 2000 (PL 106-541).

LOCATION AND DESCRIPTION: The project is located in south-central Illinois and empties into Mississippi River 118 miles above the Ohio River. The project consists of 36-mile navigation channel; one 600-foot lock; dam with gated spillway; 3,000 acres fee and easement lands; 6,000 acres of flowage easement; three barge terminals; two marinas; four major recreation areas with boat ramps; and numerous minor access points. Authorized purposes are navigation, recreation, fish and wildlife, and habitat restoration.

ALLOCATION FOR FY 2014: \$2,159,000

BUDGETED AMOUNT FOR FY 2015: M: \$325,000 O: \$1,663,000 T: \$1,988,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,623,000 - Minimal operation of the lock, operation of the dam to maintain pool, provides limited water control operations, channel surveys, periodic inspection and assessment, and dredging of the mouth.

FRM: N/A

RC: \$150,000 - Provides for minimal operation and maintenance of recreation facilities, visitor center, and compliance with environmental regulations. Limited public safety operations with cooperative law enforcement agreement and visitor assistance patrols on lands/waters of 36-mile channel during peak use periods.

H: N/A

EN: \$215,000 - Supports recurring environmental stewardship activities that provide protection of natural resources on 3,000 acres of project lands. Contribute to legal mandates under the Endangered Species Act, National Environmental Policy Act, Fish and Wildlife Coordination Act, Clean Water Act and Migratory Bird Treaty.

WS: N/A

OTHER INFORMATION – Commercial tonnage through lock continues to increase with 1,014,000 tons in FY 2013 (FY 2012 tonnage was 928,000) even with a drought reducing export grain shipments and the Prairie State power plant not fully operational. FY 2014 tonnage will be higher with both generator units of the \$4,000,000,000 Prairie State Energy Campus on-line requiring 1,000,000 tons of limestone a year, a successful 2013 growing season and expansion of the Gateway FS bulk fertilizer facility at Baldwin. Shipments of coal, scrap metal and steel are also increasing. In addition, Kaskaskia Regional Port District and state of Illinois are currently developing a new grain terminal at Fayetteville. FY 2012 project visitation was 400,000 generating recreation economic benefits estimated at \$11,088,000 (due to nationwide efforts to update the visitation estimation and reporting system FY 2013 is unavailable). Over \$1,500,000 has been spent on emergency gate repairs.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$20,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Shelbyville, IL

AUTHORIZATION: Flood Control Acts of 1944 and 1958

LOCATION AND DESCRIPTION: The project provides flood control, water supply, recreation, conservation of fish and wildlife, and water quality control and augments navigation flows downstream on the Kaskaskia River. The lake extends northeastward to approximately river mile 275 through Shelby, Moultrie, Douglas, and Coles Counties.

ALLOCATION FOR FY 2014: \$5,904,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,490,000 O: \$3,168,000 T: \$5,658,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,121,000 – Provides for minimal operation and maintenance (O&M); critical dam maintenance, FRM operations, dam safety, water control and real estate cost for compliance management. Operate and maintain FRM features utilizing asset maintenance management program ensuring operational availability of critical FRM infrastructure and reduce high priority deferred maintenance. Maintain FRM assets, reducing risk of dam failure and assisting in ensuring operational availability of critical infrastructure. The Corps of Engineers “Screening Portfolio Risk Assessment (SPRA)” has classified the Lake Shelbyville Dam as Dam Safety Assessment Class 2 (DSAC-II).

FRM-SUS15: \$82,000 – Renovate maintenance warehouse/support buildings that do not utilize energy efficient heating. Failure to renovate will result in continued high energy usage. \$41,000 – Replace inefficient dam lighting with energy efficient LED lighting. 2/

RC: \$2,871,000 – Provides for minimal operation and maintenance of recreation areas, facilities and programs; minor maintenance of recreation facilities, visitor assistance, public health and safety, law enforcement agreements, public access, use fees collection, and visitor center operations. Implement sustainability measures.

REC-SUS15: \$125,000 - Replace light fixtures in all facilities with LED lights. Add motion sensors to buildings. Lights in all campground buildings are currently activated by a timer or by photocell. These lights stay on all night whether or not they are used by the public. The installation of motion sensors will turn lights on only when needed. LED lights will reduce 90 percent of the energy as traditional bulbs and have a much longer life span. 2/

H: N/A

EN: \$627,000 – Provides for minimal operation and maintenance of environmental stewardship program and features; environmental compliance, control of invasive species, cultural and natural resource protection.

WS: \$39,000 – Provides for minimal operation of water supply program; dam operations for water supply, reporting requirements, coordination with external and internal partners and stakeholders.

OTHER INFORMATION: FY12 project visitation was 4,086,000 visits, generating recreation economic benefits estimated at \$88,000, (due to nation-wide effort to modernize the visitation estimation and reporting system FY13 data is unavailable). Leveraged funds for FY13 were \$401,000.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$268,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the study as follows: N/A

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY/ SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY 2015 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY 2015.

APPROPRIATION: Operation and Maintenance

PROJECT NAME: Mississippi River Between Missouri River and Minneapolis (MVR Portion), IL

AUTHORIZATION: River and Harbor Acts 1927 and 1930

LOCATION AND DESCRIPTION: The project consists of a 314-river-mile reach of 9-foot commercial navigation channel from Guttenberg, Iowa, downstream to Saverton, Missouri. It includes 14 locks and 11 dams (L/Ds) at 12 sites from Lock 11 to Lock 22. The navigable portions of this river and the locks and dams that allow waterway traffic to move from one pool to another are integral parts of a regional, national, and international transportation network. Recreation facilities include 25 public recreation areas and the Visitor Center located at Lock & Dam 15.

ALLOCATION FOR FY 2014: \$63,102,000

BUDGETED AMOUNT FOR FY 2015: M: \$23,209,000 O: \$29,691,000 T: \$52,900,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$49,866,000 – Provides for minimum operations and maintenance at 12 lock and dam sites and the project office, critical fleet maintenance support service; dredging, dredged material disposal, water control, periodic inspection, dam safety, and real estate management. FY2015 funds will also be used to construct bulkhead recesses and procure miter gates.

FRM: N/A

RC: \$2,101,000 – Provides for minimum operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, visitor assistance and protection, as well as functions that support recreation management by other lessees, agencies and partners. Recreation facilities include 25 public recreation areas and the Visitor Center located at Lock & Dam 15.

HYD: N/A

EN: \$933,000 – Provides for annual stewardship activities to protect the health, sustainability and integrity of the public lands associated with the project. These activities include natural resource management practices, environmental evaluation and reviews, shoreline protection, cultural resource investigations, and continuing Endangered Species responsibilities with United States Fish & Wildlife Services.

WS: N/A

OTHER INFORMATION: More than 580 manufacturing facilities, terminals and docks ship and receive goods on the Upper Mississippi River Basin. Annually, the regional project generates an estimated \$1 billion of transportation cost savings compared to overland methods. The savings equates to around \$24 per ton. FY13 recreation fee receipts and lease revenues were \$1,035,000. Regional FY2013 economic impacts are estimated at \$374,100,000 from approximately 13,545,000 visits.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,708,000. As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

Mississippi Valley Division

Rock Island District

Mississippi River between
Missouri River and Minneapolis
(MVR Portion), IL

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mississippi River between Missouri River and Minneapolis (MVS Portion), IL

AUTHORIZATION: Rivers and Harbors Act of 1930, as amended by Public Resolution No. 10 (1932).

LOCATION AND DESCRIPTION: Project area extends from the mouth of the Missouri River at St. Louis upstream to Lock and Dam 22 tail water, includes 105 miles of river and 70,000 acres of public lands. Project provides a nine-foot navigation channel via a system of locks and dams; regulating works; dike and revetment; dredging; environmental compliance/stewardship, and recreational opportunities.

ALLOCATION FOR FY 2014: \$26,056,000

BUDGETED AMOUNT FOR FY 2015: M: \$17,748,000 O: \$7,876,000 T: \$25,624,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$23,570,000 – Provides for minimal operations and maintenance of project, including operation of Locks and Dams 24, 25, and Mel Price, navigation channel maintenance. Replace dam tainter gate hoisting cables at Mel Price Lock.

FRM: N/A

RC: \$1,253,000 – Provides for minimal operations and maintenance of 46 recreational access areas and the National Great Rivers Museum (NGRM) and conduct numerous outreach/educational programs. Continue work and implementation of distribution plan for the Mississippi River Teacher Curriculum Guide and educator workshops; implement NGRM/IL esplanade plan to upgrade/replace exhibits and outdoor recreation features; construct Eagle Viewing Platform (Lock 25); upgrade eagle viewing facilities at Riverlands, in partnership with Missouri Audubon.

H: N/A

EN: \$801,000 - Basic stewardship of 70,000 acres of land, management of outgrants, and coordination with environmental partners for conservation and restoration. Adequate management of outgrant cabin sites not possible with current funding level causing public health risk and placing financial burden on other Federal and State Agencies.

WS: N/A

OTHER INFORMATION: Total commercial commodities passing through project in FY 2012 was 57,036,112 tons. Unscheduled closures can impact the regional economy up to \$2,800,000 per day as well as significantly higher national and international secondary impacts. FY 2012 recreation economic benefits were \$92,585,000 (due to updates to the visitation estimation and reporting system FY13 is unavailable). The NGRM, which has been open for 9 years with a steady increase in visitation, hosted over 94,000 visitors.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$633,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Rend Lake, IL

AUTHORIZATION: Flood Control Act 1962

LOCATION AND DESCRIPTION: The project is located near Benton, Illinois, in Franklin and Jefferson Counties. The project provides flood control, water supply, recreation, and conservation of fish and wildlife. The earth fill dam with an un-gated main and auxiliary spillway provides the necessary features to create Rend Lake and support the project's purposes. The earth dam is located on the Big Muddy River at mile 103.7 and two sub-impoundment dams are located on the upper arms of the lake.

ALLOCATION FOR FY 2014: \$5,525,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,883,000 O: \$4,189,000 T: \$6,072,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,452,000 – Provides for minimal operation and maintenance costs of the earth embankment dam, 18,900 acre reservoir, and maintenance and administration buildings to accomplish flood risk management mission in the Big Muddy Watershed. Funding provides for the structural safety and operational adequacy of the 10,600 foot main dam, 435 foot spillway, 800 foot auxiliary spillway, stilling basin and appurtenant structures. Implement sustainability measures.

FRM-SUS15: \$250,000 – This package will provide for converting 60 existing high pressure sodium vapor lights at the main dam, maintenance compound and Visitor Center to energy efficient LED lighting, which will reduce electrical usage for lighting by 70%. 2/

RC: \$2,935,000 – Operation and maintenance activities at target service levels associated with recreation areas and recreation facilities at 15 federal recreation areas. Implement sustainability measures.

REC-SUS15: \$115,000 - This package will initiate sustainability operations and increase visitor safety and security by providing solar security lighting at four campground dump stations and five parking lots. There is no current lighting at one dump station and inadequate lighting at the other three. One parking lot has no lighting and the other 4 have electrified lights that will be eliminated. 2/

H: N/A

EN: \$645,000 – Provides for minimal operation and maintenance costs for environmental stewardship activities that contribute to legal mandates under Endangered Species Act, Forest Cover Act, National Environmental Protection Act, Fish and Wildlife Coordination Act, Clean Water Act and the Migratory Bird Treaty Act.

WS: \$40,000 – Provides for minimal operation costs associated with the water supply functions which provide 109,000 acre feet of storage.

OTHER INFORMATION: FY 2012 project visitation was 3,672,000 visits generating recreation economic benefits estimated at \$85,000, (due to nation-wide effort to modernize the visitation estimation and reporting system FY13 data is unavailable). U.S. Dept of Treasury applied Illinois Department of Natural Resources (IDNR) federal payments to debt owed for water supply bills from prior fiscal years, resulting in IDNR's inability to draw federal funds from any source. Debt has been paid in full and no further offsets will occur.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this study is \$8,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 14 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the study as follows: N/A

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY/ SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY 2015 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY 2015.

IOWA

APPROPRIATION: Operation and Maintenance

PROJECT NAME: Coralville Lake, IA

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Coralville Lake is a multiple purpose project providing primary benefits in flood control and low-flow augmentation and secondary benefits in recreation, fish and wildlife management, forest management, and water quality improvement. Conservation pool is 4,900 acres; and the flood control pool is 24,800 acres with 475,000 acre-feet of storage. The dam is located on the Iowa River just upstream of Iowa City.

ALLOCATION FOR FY 2014: \$4,324,000

BUDGETED AMOUNT FOR FY 2015: M: \$586,000 O: \$3,498,000 T: \$4,084,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,442,000 – Provides for minimum operation and maintenance of the flood control works and related infrastructure, to reduce flooding downstream and related water control features. These funds support mission execution in preventing damages to properties and communities along the floodway. Critical dam safety programs and activities are also supported with these funds. Population at risk is 170,000.

RC: \$1,170,000 – Provides for minimal operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, visitor assistance and protection, as well as functions that support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$472,000 – Provides for minimal annual stewardship activities to protect the health, sustainability and integrity of the public lands associated with the project. These activities include natural resource management practices, environmental evaluation and reviews, shoreline protection, cultural resource investigations, and water quality control.

WS: N/A

OTHER INFORMATION: Cumulative damages prevented with inflation are \$461,093,000. The project includes 24,591 acres of fee title lands and there are 11 recreation area sites. FY13 recreation fee receipts and lease revenues were \$571,000. Regional economic impact of 2013 project visitation is \$24,400,000 from an estimated 1,162,000 visits.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$19,000. As of the date this justification sheet was prepared, the total estimated unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION: Operation and Maintenance

PROJECT NAME: Red Rock Dam and Lake Red Rock, IA

AUTHORIZATION: Flood Control Act of 1938, Public Law 75-761

LOCATION AND DESCRIPTION: Lake Red Rock is a multiple purpose project providing primary benefits in flood control and low-flow augmentation and secondary benefits in recreation, fish and wildlife management, forest management, and water quality improvement. Conservation pool is 15,600 acres which makes it Iowa's largest lake; and the storage volume is 1,750,400 acre-feet at flood pool level. The dam is located on the Des Moines River southeast of Des Moines, Iowa.

ALLOCATION FOR FY 2014: \$4,949,000

BUDGETED AMOUNT FOR FY 2015: M: \$783,000 O: \$3,793,000 T: \$4,576,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,850,000 – Funding provides for minimum routine operation and maintenance of the flood control works and related infrastructure, to reduce flooding downstream and related water control features. These funds support mission execution in preventing damages to properties and communities along the floodway. Critical dam safety programs and activities are also supported with these funds.

RC: \$1,359,000 – Funding provides for minimal operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, visitor assistance and protection, as well as functions that support recreation management by other lessees, agencies and partners.

HYD: N/A

EN: \$367,000 – Funding provides for minimal annual stewardship activities to protect the health, sustainability and integrity of the public lands associated with the project. These activities include natural resource management practices, environmental evaluation and reviews, shoreline protection, cultural resource investigations, and water quality control.

WS: N/A

OTHER INFORMATION: Population at risk is 135,000. Cumulative damages prevented are \$1,176,727,000. The project includes 50,300 acres of fee title lands, and there are 11 recreation area sites. FY 2013 recreation fee receipts and lease revenues were \$470,000. Regional economic impact of 2013 project visitation is \$13,000,000 from an estimated 633,000 visits.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$24,000. As of the date this justification sheet was prepared, the total estimated unobligated dollars to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION: Operation and Maintenance

PROJECT NAME: Saylorville Lake, Iowa

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Saylorville Lake is a multiple purpose project providing primary benefits in flood control and low-flow augmentation and secondary benefits in recreation, fish and wildlife management, forest management, and water quality improvement. Conservation pool is 5,950 acres; with a storage volume of 586,000 acre-feet at flood pool level. The dam is located about 11 miles northwest of Des Moines, Iowa, on the Des Moines River.

ALLOCATION FOR FY 2014: \$11,217,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,123,000 O: \$4,143,000 T: \$6,266,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$3,974,000 – Provides for routine operation and maintenance of the flood control works and related infrastructure, to reduce flooding downstream and related water control features. These funds support mission execution in preventing damages to properties and communities along the floodway. Critical dam safety programs and activities are also supported with these funds. Population at risk = 525,000. FY2015 funding also supports design work to modify the Barrier Dam Pump Station to meet pumping requirements.

RC: \$1,686,000 – Provides for operation and maintenance of day-use and overnight recreation areas, facilities and features. These funds support management of the recreation program and public visitation by providing safe recreation facilities, visitor assistance and protection, as well as functions that support recreation management by other lessees, agencies and partners.

H: N/A

EN: \$598,000 – Provides for annual stewardship activities to protect the health, sustainability and integrity of the public lands associated with the project. These activities include natural resource management practices, environmental evaluation and reviews, shoreline protection, cultural resource investigations, and water quality control.

WS: \$8,000 – Provides for performance of annual activities required for water supply contract administration and compliance.

OTHER INFORMATION: Cumulative damages prevented with inflation = \$344,536,000. The project includes 25,515 acres of fee title lands and there are 13 recreation area sites. FY13 recreation fee receipts and lease revenues were \$671,000. Regional economic impact of 2013 project visitation is \$27,500,000 from an estimated 1,409,000 visits.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$6,367,000. As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

KENTUCKY

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Elvis Stahr (Hickman) Harbor, KY

AUTHORIZATION: River and Harbor Act of 1960, Sec. 107; WRDA 1988, Sec. 53(b)

LOCATION AND DESCRIPTION: This slack-water harbor is located near Hickman, Kentucky, in Fulton County and is used primarily for the export of agricultural products. The project provides for maintenance of an off-river harbor channel extending from the main channel (mile 922.0) of the Mississippi River along the city front to a point about 0.3 miles below the junction of Obion Creek and Bayou Du Chien. The approved channel dimensions are 9 feet deep, 250 feet wide and 5,800 feet long, with a 500 X 600 foot turning basin at its upstream end. The local interest is the city of Hickman, KY.

ALLOCATION FOR FY 2014: \$ 625,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$15,000 T: \$15,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$15,000 – Provides for performance of minimal critical surveys.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This information will be provided to local interests for their use in determining the navigation capacity of the harbor. 5 year average commercial tonnage is 828.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$ 0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

LOUISIANA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Atchafalaya River and Bayous Chene, Boeuf & Black, LA

AUTHORIZATION: River and Harbor Act of 3 July 1968, 13 Aug 1068, Sec 101

LOCATION AND DESCRIPTION: The project is located in south central Louisiana. It provides for a 20-foot deep by 400-foot wide navigation channel.

ALLOCATION FOR FY 2014: \$8,823,000

BUDGETED AMOUNT FOR FY 2015: M: \$7,263,000 O: \$496,000 T: \$7,759,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,759,000 - Minimal funds will be used to dredge critical reaches in Atchafalaya River. Perform channel condition surveys of the entire project and routine operation and maintenance. Coordinate and prepare environmental compliance consistency, and continue monitoring the effectiveness of value engineering study alternatives to improve navigation and to alleviate unconsolidated fluid mud in the bar channel. Perform engineering and design, specification review and cost estimating for annual dredging contracts and rock dike placement contract for the Crew Boat Cut bank protection and dredging.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$937,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Barataria Bay Waterway, LA

AUTHORIZATION: River and Harbor Act 2 March 1919

LOCATION AND DESCRIPTION: The project is located in southeast Louisiana. The navigation channel is 12 feet deep by 125 feet wide for 36.9 miles in the inland and bay channel reaches, and 15 feet deep by 250 feet wide for the 3.1 mile bar channel. The channel provides maritime accessibility to the Gulf of Mexico for industries located along the waterway. An ancillary benefit to channel maintenance is the 100% beneficial use of dredged material in coastal Louisiana (all within the Federal Standard).

ALLOCATION FOR FY 2014: \$261,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$ 131,000 T: \$131,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$131,000 - Minimal critical funds to be used for project management, for hydrographic surveys, to prepare for future dredging operations, to collect and disseminate water level data, to change benchmarks, to reset gauges from National Geodetic Vertical Datum to the North American Vertical Datum and to review permit applications.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Barataria Bay Waterway connects the Gulf Intracoastal Waterway system to natural gas, oil and sulfur production sites and to commercial fishing areas within Barataria Bay and the Gulf of Mexico. Past loss of project dimensions has caused economic hardships and incidents of vessel groundings for commercial fishing and petro-chemical industries. The involved industries are often forced to delay deliveries and increase their transit costs by light-loading vessels when utilizing the varying, deficient channel.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$79,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bayou Bodcau Dam and Reservoir, LA

AUTHORIZATION: Flood Control Act (FCA) of 28 June 1938, H.D. 378, 74 Congress 2d Session, FCA 22 June 1936, modified by Act of 28 June 1939.

LOCATION AND DESCRIPTION: Bodcau Bayou Dam and Reservoir is a single purpose flood control reservoir located on Bayou Bodcau, a tributary of the Red River. Recreation and natural resource stewardship are important secondary uses of project lands at Bodcau.

ALLOCATION FOR FY 2014: \$1,192,000

BUDGETED AMOUNT FOR FY 2015: M: \$56,000 O: \$1,221,000 T: \$1,277,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A.

FRM: \$709,000 - Provides for minimal operation and maintenance of the dam, dam safety data gathering, water control/quality analysis and collection and real estate management and repair of five slides.

RC: \$374,000 - Provides for minimal operation and maintenance of recreation areas.

H: N/A.

EN: \$194,000 - Provides conservation and protection of soil, water, wetland, vegetation, waterfowl, fish and state and federal endangered and threatened species of approximately 33,000 acres of fee owned property. Primary activities include forest management, wildlife management, oversight and management of mitigation areas, wildland fire protection, operational management plan update, historic property management and conduct Phase I cultural resource surveys.

WS: N/A.

OTHER INFORMATION: Bayou Bodcau Dam was classified as DSAC III in 2008 as part of the Corps-wide dam safety initiative. Bayou Bodcau Dam has prevented \$68,000,000 in flood damages since it was placed in operation. Project visitation is over 250,000 per year. Visitors to the project spent \$3,990,000 in the immediate area in 2011, resulting in \$2,490,000 in direct sales to tourism-related firms. These sales generated \$890,000 in direct personal income and supported 55 direct jobs, boosting the local economy.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bayou Lafourche and Lafourche Jump Waterway, LA

AUTHORIZATION: River and Harbor Act 30 August 1935 and 14 July 1960

LOCATION AND DESCRIPTION: The project is located in Southeast Louisiana in Lafourche Parish. Bayou Lafourche is a 36.3-mile navigation channel in Lafourche Parish from LaRose, Louisiana, to Belle Pass in the Gulf of Mexico. Channel dimensions are 6 feet deep by 60 feet wide from Mile 35 to Mile 21.9; 9 feet deep by 100 feet wide from Mile 21.9 to Mile 13.0; 12 feet deep by 125 feet wide from Mile 13.0 to Mile 3.4; 24 feet deep by 300 feet wide from Mile 3.4 to Mile 0.0 (Port Fourchon Reach); and 26 feet deep by 300 feet wide from Mile 0.0 to Mile (-1.3) (Belle Pass). A major facility along this project is Port Fourchon. It is a multi-use facility equipped to serve approximately 250 companies involved with offshore oil, container/breakbulk shipping, trucking, commercial fishing and recreational industries. In support of the vast majority of Gulf deepwater platforms, approximately 275 large supply vessels traverse the Port Fourchon channel on a daily basis. The port performs oil rig refurbishments and has heavy lifting capabilities for deep water vessels. An ancillary benefit to channel maintenance is the 100 percent beneficial use of dredged material in coastal Louisiana (all within the Federal Standard).

ALLOCATION FOR FY 2014: \$1,042,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 947,000 O: \$ 172,000 T: \$1,119,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,119,000 - Minimal funds will be used for project management, channel maintenance dredging, hydrographic surveys, preparation of Environmental Assessments for wetland development/restoration sites, collection and dissemination of water level data, reset of gauges from National Geodetic Vertical Datum to North American Vertical Datum, review of permit applications and providing right-of-entry to dredged material disposal areas.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Port Fourchon is a multi-use facility serving 90 percent of the Gulf of Mexico's deepwater oil production, is land base for Louisiana Offshore Oil Port which handles 15 percent of foreign oil imports, is connected to 45-50 percent of U.S. refining capacity, and furnishing 18 percent of the U.S. oil supply.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$93,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bayou Pierre, LA

AUTHORIZATION: Flood Control Act 1946.

LOCATION AND DESCRIPTION: The project provides for flood control by channel improvement and enlargement of Ockley Drive Ditch and segments of Bayou Pierre in the vicinity of Shreveport, Louisiana.

ALLOCATION FOR FY 2014: \$23,000

BUDGETED AMOUNT FOR FY 2015: M: \$23,000 O: \$0 T: \$23,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$23,000 - Provides for minimal operation and maintenance for flood damage reduction.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project are \$0. As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bayou Segnette Waterway, LA

AUTHORIZATION: River and Harbor Act 3 Sept 1954

LOCATION AND DESCRIPTION: The project is located in Southeast Louisiana in Jefferson Parish, a 12.2-mile navigation channel from Westwego, Louisiana, to the Gulf Intracoastal Waterway. Channel dimensions are 6-feet deep by 60-feet wide for the entire channel length. The channel provides maritime accessibility to the Gulf of Mexico for industries located along the waterway.

ALLOCATION FOR FY 2014: \$62,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$25,000 T: \$25,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$25,000 - Minimal funds to be used for project management, hydrographic surveys, dredging preparation efforts, review of permit applications, and to ensure the outgrant/consent program is followed.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Bayou Segnette Waterway connects the Gulf Intracoastal Waterway to the Gulf of Mexico for oil and gas production supply companies and serves as an access channel for local hunters and the crab and recreational fishing industries.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bayou Teche and Vermilion River, LA

AUTHORIZATION: FCA of 18 August 1941. Reclassified as an "Operations and Maintenance, General" project under the category "Navigation" by authority of the Office, Chief of Engineers, in 1st endorsement, 23 April 1956, on letter of the Division Engineer, U.S. Army Engineer Division, Lower Mississippi Valley, 6 March 1956, subject, "Classification of the Mermentau River and Bayou Teche and Vermilion River, Operation and Maintenance, General Projects".

LOCATION AND DESCRIPTION: The project is located in southwest Louisiana. The project is a multi-purpose project providing navigation and flood control to several parishes in southwest Louisiana.

ALLOCATION FOR FY 2014: \$15,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$15,000 T: \$15,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$15,000 - Minimal funds will be used to perform hydrographic surveys and to change vertical datum from National Geodetic Vertical Datum to North American Vertical Datum.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$5,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bayou Teche, LA

AUTHORIZATION: River and Harbor Act 26 June 1934 and prior RHA's

LOCATION AND DESCRIPTION: The project is located in south central Louisiana in St. Mary Parish. The project is primarily a shallow draft navigation project.

ALLOCATION FOR FY 2014: \$263,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 88,000 O: \$ 68,000 T: \$156,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$156,000 - Minimal critical funds will be used for hydrographic surveys, right-of-entry for dredged material disposal, to change benchmarks and reset gauges from the National Geodetic Vertical Datum to the North American Vertical Datum and waterway debris removal.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$246,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Caddo Lake, LA

AUTHORIZATION: Flood Control Act of 27 October 1965, S.D. 39, 89th Congress, 1st Session, PL 89-298, WRDA 1976, PL 94-587, 22 October 1976.

LOCATION AND DESCRIPTION: Caddo Lake is located in Caddo Parish, Louisiana, about 19 miles northwest of Shreveport, Louisiana, just upstream of the confluence of Black and Twelve Mile Bayous. The lake helps to provide upstream storage for Shreveport/Bossier City, Louisiana, the third largest city in Louisiana, with a population exceeding 200,000.

ALLOCATION FOR FY 2014: \$205,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$204,000 T: \$204,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$154,000 - Provides for routine minimal operation and maintenance for flood damage reduction.

RC: \$50,000 - Provides for routine minimal operation and maintenance of recreation facilities.

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The lake has over 33,000 visits annually. Visitor spending resulted in \$460,000 total sales, \$160,000 in total personal income, and supported nine jobs.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,900,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: NA.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Calcasieu River and Pass, LA

AUTHORIZATION: River and Harbor Act of 24 July 1946, as amended, CH 594-PL 525

LOCATION AND DESCRIPTION: The 68-mile channel is located in southwest Louisiana and extends from the Gulf of Mexico to Lake Charles, Louisiana. The project is authorized at 40x400 feet inland and 42x800 feet in the bar channel.

ALLOCATION FOR FY 2014: \$26,078,000

BUDGETED AMOUNT FOR FY 2015: M: \$11,721,000 O: \$ 0 T: \$11,721,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$11,721,000 – Minimal critical funds will be used for dredging, to operate and maintain the Saltwater Barrier Control Structure, hydrographic surveys, right-of-entry for dredged material disposal areas, to reduce encroachments, gather engineering data necessary for monitoring the stability of the Calcasieu River Saltwater Barrier, and to change vertical datum from National Geodetic Vertical Datum to the North American Vertical Datum.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$408,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Freshwater Bayou, LA

AUTHORIZATION: River and Harbor Act of 14 July 1960, Sec 101

LOCATION AND DESCRIPTION: The project is located in south central Louisiana. Provides for a navigation channel of 12' x 125' from the GIWW at Mile 161.2 west of Harvey Lock to the Gulf of Mexico through Freshwater Bayou, with increased width to 250 feet in the Gulf approach and a lock near the Gulf of Mexico 84 feet wide by 600 feet long and 16 feet deep. The project services the offshore petroleum industry supply boats and the commercial fishing industry.

ALLOCATION FOR FY 2014: \$1,928,000

BUDGETED AMOUNT FOR FY 2015: M: \$490,000 O: \$1,299,000 T: \$1,789,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,789,000 - Minimal critical funds will be used for dredging, the operation and minor maintenance of Freshwater Bayou Lock, hydrographic surveys, for the gathering of engineering data essential for monitoring the stability of Freshwater Bayou Lock, to change benchmarks and reset gauges from the National Geodetic Vertical Datum to the North American Vertical Datum

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$68,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Gulf Intracoastal Waterway, LA

AUTHORIZATION: River and Harbor Act of 14 July 1946 and prior Acts

LOCATION AND DESCRIPTION: The Gulf Intracoastal Waterway (GIWW) crosses through all five states that comprise the Gulf of Mexico coastline, connecting Brownsville, Texas in the west to St. Mark, Florida in the east. The GIWW provides a protected passage for barge traffic to move vital commodities along the Gulf Coast.

ALLOCATION FOR FY 2014: \$24,279,000

BUDGETED AMOUNT FOR FY 2015: M: \$10,537,000 O: \$10,301,000 T: \$20,837,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$20,212,000 - Minimal funds will be used for dredging, hired labor maintenance on six GIWW locks, dewater Algiers Lock, operation of for six GIWW locks, hydrographic surveys, and to collect, manage, store and disseminate data from water level gauges.

FRM: \$575,000 – Provides for minimal maintenance on the Algiers Levee and Pumping Stations.

RC: \$50,000 - Provides for an additional 25 percent patrol for visitation, prepare project master plan, complete National Environmental Policy Act compliance, and develop project interpretive exhibits for new lock office.

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,555,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Houma Navigation Canal, LA

AUTHORIZATION: River and Harbor Act of 4 Mar 1915, Sec 5

LOCATION AND DESCRIPTION: The Houma Navigation Canal is located in Terrebonne Parish, Louisiana, and extends a distance of 38 miles from the GIWW in Houma, to the Gulf of Mexico. The authorized project dimensions are 15' x 150' from the GIWW to the Bar Channel. The Bar Channel has dimensions of 18' x 300'. The channel provides maritime accessibility to the Gulf of Mexico for the commercial fishing and petrochemical fabrication/support industries that are located along the waterway. An ancillary benefit to channel maintenance is the beneficial use of dredged material in coastal Louisiana.

ALLOCATION FOR FY 2014: \$5,867,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,465,000 O: \$187,000 T: \$1,652,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,652,000 - Minimal critical funds will be used for project management, for dredging operations, to perform hydrographic surveys, to reset gauges from the National Geodetic Vertical Datum to the North American Vertical Datum, to provide right of entry for dredged material disposal areas, to review permit applications and to collect, manage, store and disseminate water level data.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$7,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: J. Bennett Johnston Waterway, LA

AUTHORIZATION: River and Harbor Act 1968; Water Resources Development Act 1976; Supplemental Appropriations Act of 1984; Water Resources Development Act 1986, 1988, 1990, 1992, 1996; and Energy and Water Development Act 1994.

LOCATION AND DESCRIPTION: The project is located in central and northwest Louisiana and provides for 9- by 200-foot navigation extending about 236 miles from the Mississippi River through Old River and Red River to the vicinity of Shreveport, Louisiana. Five locks and adjacent dams provide a lift of approximately 141 feet. The project also provides for realigning the banks of the Red River from the Mississippi River to Shreveport by means of dredging, cutoffs, and training works and stabilizing its banks by means of revetments, dikes, and other methods.

ALLOCATION FOR FY 2014: \$10,616,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,782,000 O: \$6,478,000 T: \$8,260,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,229,000 - Provides for minimal operation and maintenance of the lock and dams, minimal critical dredging, collection of data for water control and quality, inspections and real estate management.

FRM: N/A

RC: \$1,018,000 - Provides for minimal operation and maintenance of recreation facilities.

H: N/A.

EN: \$13,000 - Provides for minimal protection and surveillance of mitigation of land and endangered species. Provides enhancement of habitat for neotropical migrant songbirds at project lock and dam sites. Activities include placement and maintenance of nesting boxes, habitat manipulation, and protection measures.

WS: N/A.

OTHER INFORMATION: In 2011, 8,185,596 tons were shipped along the J. Bennett Johnston Waterway.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$343,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Providence Harbor, LA

AUTHORIZATION: River and Harbor Act 1960.

LOCATION AND DESCRIPTION: Lake Providence Harbor is an inland harbor, located along the Mississippi River in East Carroll Parish, Louisiana.

ALLOCATION FOR FY 2014: \$1,187,000

BUDGETED AMOUNT FOR FY 2015: M: \$9,000 O: \$5,000 T: \$14,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$14,000 - Provides for minimal surveys in the event maintenance dredging is required to maintain authorized channel dimensions, ensuring the harbor is open during low water periods.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This project serves the transportation needs for water-oriented industry for many small communities and farmers in and around East Carroll Parish, Louisiana. The project was constructed in 1980 and has been maintained annually. In 2011, 895,876 tons were shipped through Lake Providence Harbor.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Madison Parish Port, LA

AUTHORIZATION: River and Harbor Act 1960.

LOCATION AND DESCRIPTION: Madison Parish Port is a fast-water, shallow draft port, located on the Mississippi River in Madison Parish, Louisiana.

ALLOCATION FOR FY 2014: \$150,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,000 O: \$2,000 T: \$4,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,000 - Provides for minimal surveys in the event maintenance dredging is required to maintain authorized channel dimensions, ensuring the harbor is open during low water periods.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This project serves the transportation needs for water-oriented industry for many small communities and farmers in and around Madison Parish, Louisiana. The project was constructed in 1980 and has been maintained annually. In 2011, 560,780 tons were shipped through Madison Parish Port.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mermentau River, LA

AUTHORIZATION: R&H Act of 26 June 1934 and prior Acts, Ch. 756

LOCATION AND DESCRIPTION: Mermentau River is a multi purpose project located in southwest Louisiana. Functions of the project include navigation, flood control, and prevention of saltwater intrusion. Structures on the project maintain a balance between agriculture and flood control. These structures also serve an important role to the fishing and oil industry, allowing access in and out of the Mermentau River basin.

ALLOCATION FOR FY 2014: \$1,356,000

BUDGET AMOUNT FOR FY 2015: M: \$900,000 O: \$1,571,000 T: \$2,471,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,471,000 - Minimal operation and maintenance funds will be used for Catfish Point and Schooner Bayou Control Structures, hydrographic surveys, provide right-of-entry for dredged material disposal areas, foreshore dike construction/revetment work, reduce encroachments, gather engineering data necessary for monitoring the stability of structures, and to change vertical datum from National Geodetic Vertical Datum to North American Vertical Datum

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$61,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mississippi River, Baton Rouge to the Gulf of Mexico, LA

AUTHORIZATION: R&H Acts of 1945, Sec 2 and 23 Oct 1962, Sec 101; SAA of 1985, PL 99-88 and WRDA of 1986, Sec 201

LOCATION AND DESCRIPTION: The project currently provides a deep draft channel between Baton Rouge and the Gulf of Mexico in Southeast Louisiana. The 45-foot deep draft channel provides access to the largest port complex in the US.

ALLOCATION FOR FY 2014: \$94,233,260

BUDGETED AMOUNT FOR FY 2015: M: \$80,162,000 O: \$5,179,000 T: \$85,341,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$85,341,000 - Minimal funds will be used for maintenance dredging from Baton Rouge to the Gulf of Mexico (Southwest Pass, New Orleans Harbor, Crossings between Baton Rouge and New Orleans), channel surveys, water management, environmental compliance and real estate activities. This will allow partial transit of deep-draft vessels carrying grain, coal, and other commodities to the Ports of South Louisiana, New Orleans, Plaquemines, and Baton Rouge (1st, 7th, 11th, and 13th leading ports in the nation) which collectively handle 420,046,473 tons of cargo per year making it the largest port complex in the US.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$167,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operations and Maintenance

PROJECT NAME: Mississippi River Outlets at Venice, LA

AUTHORIZATION: River and Harbor Act of 1968, Sec 101

LOCATION AND DESCRIPTION The project is located in southeastern Louisiana and provides for (2) outlets (Baptiste Collette and Grand/Tiger Pass) from the Mississippi River in the vicinity of Venice, Louisiana. Both navigation channels have authorized channel dimensions of 14-feet deep by 150-feet wide (inland reach) and 16-feet deep by 250-feet wide (bar channel reach). The project serves the Venice Port Complex -- a multi-use facility that supports offshore petrochemical production/exploration efforts, the commercial fishing industry and recreational fishing and boating. The channel also provides the shortest access route to the Gulf of Mexico for the USCG Search and Rescue unit. An ancillary benefit to channel maintenance is the (100%) beneficial use of dredged material in coastal Louisiana (all within the Federal Standard).

ALLOCATION FOR FY 2014: \$2,155,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,793,000 O: \$192,000 T: \$1,985,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,985,000 - Funding will be used for project management, for dredging operations, for hydrographic surveys, to extend and repair shoal-reducing rock jetties, for the preparation of Environmental Assessments for wetland development/restoration sites, to review permit applications, to collect, manage, store and disseminate water level data and to reset gages from National Geodetic Vertical Datum to North American Vertical Datum.

FRM: N/A

REC: N/A

HYD: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: None

1/ Estimated Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$18,443. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Removal of Aquatic Growth, LA

AUTHORIZATION: River and Harbor Act of 1958

LOCATION AND DESCRIPTION: The project provides for annual recurring maintenance control of water hyacinth and other invasive aquatic vegetation in federally maintained waterways and feeder water-bodies throughout south Louisiana. The project is required to maintain navigation for the shipping industry, the oil and gas industry, commercial fisheries and recreational users. Invasive aquatic vegetation growth can also affect flood control and lock operations.

ALLOCATION FOR FY 2014: \$198,000

BUDGETED AMOUNT FOR FY 2015: M: \$200,000 O: \$ 0 T: \$200,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$200,000 - Minimal funds to be used in coordination with the state to identify and treat specific point sources and handle inquiries and complaints from the public regarding the expansion of water hyacinth, alligator weed, common salvina and other noxious aquatic plants within navigable waterways.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$102,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wallace Lake, LA

AUTHORIZATION: Flood Control Act of 22 June 1936, H.D. 378, 74th Congress.

LOCATION AND DESCRIPTION: Wallace Lake Dam is located on Cypress Bayou, a tributary of Bayou Pierre. The primary purpose of the project is flood control, with conservation and recreation as other benefits.

ALLOCATION FOR FY 2014: \$220,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$217,000 T: \$217,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$162,000 provides for minimal operation and maintenance of the operations of dam, water control/quality analysis, collection of data and evaluation and real estate management.

RC: \$55,000 provides for minimal operation and maintenance of recreation facilities.

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The project has prevented over \$31,300,000 in flood damages since it was placed in operation. Annual visitation is in excess of 21,000 visits. Visitor spending results in \$290,000 total sales, \$100,000 in total personal income, and supports five jobs.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: NA.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Waterway from Empire to the Gulf, LA

AUTHORIZATION: River and Harbor Act of 24 July 1946, Ch. 594 – PL 525.

LOCATION AND DESCRIPTION: The project is located in Plaquemines Parish and consists of a 9.5 mile channel from the Dollut Canal to the Gulf of Mexico, with 9 foot by 80 foot dimensions. The channel provides maritime accessibility to the Gulf of Mexico for fishing industries located along the waterway. An ancillary benefit to channel maintenance is the 100 percent beneficial use of dredged material in coastal Louisiana (all within the Federal Standard).

ALLOCATION FOR FY 2014: \$17,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$16,000 T: \$16,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$16,000 – Minimal funds will be used for project management, hydrographic surveys and review of permit applications.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Empire Waterway connects the Mississippi River to the Gulf of Mexico for commercial and recreational fishing interests. The loss of project dimensions has caused economic hardships and incidents of vessel groundings. A deterioration of existing project jetties has caused land loss of a critical coastal barrier island (Pelican Island) and has increased channel shoaling.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Waterway from Intracoastal Waterway to Bayou Dulac, LA

AUTHORIZATION: River and Harbor Act of 23 Oct 1962, Sec 101

LOCATION AND DESCRIPTION: The project is located in Terrebonne Parish and consists of a 10-foot deep by 45-foot wide channel in Bayou LeCarpe from the Gulf Intracoastal Waterway via Bayou Pelton and Bayou Grand Caillou to Bayou Dulac with channel dimensions of 5-feet deep by 40-feet wide. The project provides accessibility to the Houma Navigation Canal/Gulf of Mexico for maritime industries located along the waterway. An ancillary benefit is the 100 percent beneficial use of dredged material in coastal Louisiana (all within the Federal Standard).

ALLOCATION FOR FY 2014: \$65,000

BUDGETED AMOUNT FOR FY 2015: M: \$21,000 O: \$15,000 T: \$36,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$36,000 - Minimal funds will be used for project management, hydrographic surveys, preparation for future dredging contracts and permit application reviews.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

MINNESOTA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Big Stone Lake and Whetstone River, MN and SD

AUTHORIZATION: FCA 1965; RHA 1965

LOCATION AND DESCRIPTION: The project is on Minnesota River near Ortonville and Odessa, MN, and Bigstone City, SD, at the outlet of Bigstone Lake and in Bigstone and Lac qui Parle Counties, MN, and Grant County, SD. The 1965 Flood Control Act authorized improvements for wildlife conservation and development, flood control, and recreation. The plan provided for a dam on the Minnesota River near Odessa, Minnesota, which has created a conservation pool of 2,800 acres for wildlife purposes. Upstream improvements include construction of bank protection and related work along the lower six mile reach of Whetstone River in South Dakota, modification of the existing dam and silt barrier at the outlet of Bigstone Lake, and channel improvement on the Minnesota River for three miles below the outlet control dam.

ALLOCATION FOR FY 2014: \$240,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$278,000 T: \$278,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$263,000 – For minimal operation and maintenance, monitor dam and structures, complete water control data collection and analysis activities to meet minimum requirements for dam safety and provide design operation.

RC: N/A

H: N/A

EN: \$15,000 - Protect Corps fee owned land and waters from encroachments and imminent loss of significant natural resources due to erosion, wildfire, pests, trespass, or human activity and/or environmentally induced events as necessary to meet legal and regulatory requisites of the National Environmental Policy Act.

WS: N/A

OTHER INFORMATION: Highway 75 Dam at Big Stone Lake project located near Odessa, MN, impounds water on the Minnesota River to form the Bigstone National Wildlife Refuge operated by the US Fish & Wildlife Service. The project provides flood control benefits on the Minnesota River mainstem in conjunction with the Lac qui Parle project downstream and has prevented over \$3,500,000 in damages since construction. The project provides very high quality environmental focused outdoor recreation experiences for the public through public access in several locations including the dam structure and embankment. Groups travel to this location from several hundred miles away for bird watching expeditions with a focus on shorebirds.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$96,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

Mississippi Valley Division

St. Paul District

Big Stone Lake and Whetstone
River, MN and SD

24 March 2014

MVD-57

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lac qui Parle Lakes, Minnesota River, MN

AUTHORIZATION: FCA 1936

LOCATION AND DESCRIPTION: The Lac qui Parle project consists of four water control structures on the Chippewa and Minnesota Rivers and is located near Montevideo, MN. Work covered by this project lie along Marsh Lake and Lac qui Parle and the Minnesota River between head of Marsh Lake and Granite Falls, MN. The project was substantially completed by the Works Progress Administration and transferred from the State of Minnesota to the United States in September 1950. The project includes a main dam at the outlet of Lac qui Parle Lakes designed to control the Marsh Lake Reservoir. There is also a dam and diversion channel near Watson designed to divert Chippewa River floodwaters into Lac qui Parle Reservoir. The Corps of Engineers, in order to complete the project, improved the channel from Lac qui Parle Dam to Granite Falls and modified the Lac qui Parle and Chippewa Dam structures to secure improved operation. The dams had been in operation by the State of Minnesota for several years prior to the transfer.

ALLOCATION FOR FY 2014: \$616,000

BUDGETED AMOUNT FOR FY 2015: M: \$53,000 O: \$604,000 T: \$657,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$583,000 – Minimal operation and maintenance required to provide dam operations, maintenance, monitoring, and water control data collection and analysis necessary to meet minimum requirements for dam safety and provide design operation.

RC: \$51,000 – Minimal operation and maintenance of recreation/public use facilities and execute visitor assistance and water safety programs.

H: N/A

EN: \$23,000 – Support program to maintain and monitor habitat conditions in critical prairie pothole region, support North American Waterfowl Management Plan agreements and coordinate reservoir operations with Minnesota Department of Natural Resources and U.S. Fish and Wildlife Service. Protect Corps fee owned land and waters from encroachments and imminent loss of significant natural resources due to erosion, wildfire, pests, trespass, or human activity and/or environmentally induced events as necessary to meet legal and regulatory requisites of the National Environmental Policy Act.

WS: N/A

OTHER INFORMATION: The project provides critical flood protection for Montevideo and areas downstream on the Minnesota and Chippewa Rivers. Since construction, the project has prevented over \$37,000,000 in damages.

Additionally, much of the water management activities in nonflood situations directly support Minnesota Department of Natural Resources fisheries and wildlife management activities on Lac qui Parle Lake and adjoining lands. The project has parcels of Federally owned land with virgin prairie untouched by plow on it near Marsh Lake Dam. In an area with very limited water access, the project has several locations suitable for public shore fishing. Annual economic impact to the local economy derived from Lac qui Parle project operations is estimated at almost \$10,000,000.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$101,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

Mississippi Valley Division

St. Paul District

Lac qui Parle Lakes,
Minnesota River, MN

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Minnesota River, MN

AUTHORIZATION: RHAs of 1892, 1909 and 1958

LOCATION AND DESCRIPTION: Minnesota River rises in Big Stone Lake, MN and SD, and flows southeasterly about 224 miles to Mankato, MN, thence northeasterly about 106 miles to join the Mississippi River opposite St. Paul, MN. The project consists of dredging and channel maintenance to provide a channel of 9-foot depth below the low control pool from the mouth at the Mississippi River confluence to river mile 14.7, one-half mile above the railway bridge at Savage, MN, and 4-foot depth from river mile 14.7 to 25.6 at Shakopee, MN.

ALLOCATION FY 2014: \$ 230,000

BUDGETED AMOUNT FOR FY 2015: M: \$236,000 O: \$23,000 T: \$259,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$259,000 – Continue annual navigation channel surveys and channel maintenance which includes dredging and snag removal as needed. Funding requested is sufficient to meet minimum legal responsibilities for environmental compliance, water control, and water analysis. Maintenance of the channel will ensure long-term availability in a cost-effective manner.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Minnesota River, effectively the head of navigation for the Upper Mississippi River navigation project, is an essential component of the nation's transportation infrastructure supporting commerce. This major agricultural tributary transports approximately one-fourth of the 16 million tons annually shipped in and out of the state of Minnesota. Several of the nation's largest agribusiness corporations (Cargill, Cenex, and Bunge) operate terminals on the Minnesota River and depend upon a reliable navigation system for the movement of commodities. The Minnesota Department of Transportation has indicated that this has an annual economic value in excess of \$362,000,000.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$64,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mississippi River between Missouri River and Minneapolis (MVP Portion), MN

AUTHORIZATION: RHA of 1930 (PL 71-520) and FCA of 1944 (PL 78-534)

LOCATION AND DESCRIPTION: The St. Paul District portion of the Upper Mississippi River extends from Minneapolis, MN, to Guttenberg, IA, and is located in or contiguous to the States of Minnesota, Wisconsin, and Iowa. The St. Paul District operates and maintains 244 miles of 9-foot channel for navigation, 13 locks and dams, and 14 commercial or small boat harbors. The project includes a Corps developed and operated recreation area at Blackhawk Park located at river mile 670 below La Crosse, WI, and natural resource management for approximately 22,000 acres above normal pool elevation.

ALLOCATION FOR FY 2014: \$52,933,000

BUDGETED AMOUNT FOR FY 2015: M: \$29,973,000 O: \$24,499,000 T: \$54,472,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$52,941,000 – Minimal critical operations and maintenance necessary for navigation, critical fleet maintenance support service, and dredging with upland disposal. Meet minimum legal responsibilities for environmental compliance, water control, and water analysis. Minimal maintenance of channel and lock and dam structures will ensure long-term availability in a cost-effective manner. Maintenance items include dredging of the river channel by Dredge Goetz and mechanical dredging contractors; channel management structures; placement site maintenance; site unloading of dredged material and dewatering of locks to allow for winter maintenance activities.

FRM: N/A

RC: \$683,000 – Minimal operation and maintenance of recreation facilities. Execute all directed programs, i.e. water safety, fee program, visitor assistance, etc.

H: N/A

EN: \$848,000 – Perform maintenance at various sites in 22,000-acre resource base including reforestation, island erosion control, and restoration of historic dredge placement sites. Protect Corps fee owned land and waters from encroachments and imminent loss of significant natural resources due to erosion, wildfire, pests, trespass, or human activity, and/or environmentally induced events as necessary to meet legal and regulatory requisites of the National Environmental Policy Act. Execute Shoreline Management Program for over 600 structures.

WS: N/A

OTHER INFORMATION: The Mississippi River 9-foot channel is a major route for shipping commodities through the Midwest to and from the Gulf of Mexico. It is a major method of commerce in the United States, shipping grain, fuel, coal, other bulk commodities, and manufactured goods throughout the region and world markets. People all over the world depend on products that are transported up and down the Mississippi River. Annually, approximately 17,000,000 tons of cargo travels through the St. Paul District.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,735,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Orwell Lake, MN

AUTHORIZATION: RHA 1950; FCA 1950; FCA 1944; Fish and Wildlife Coordination Act of 1958

LOCATION AND DESCRIPTION: The Orwell Dam and Lake is located on the Otter Tail River near Fergus Falls, MN. The project was completed in 1953. It provides protection from floods during high water flows and, in conjunction with other reservoirs in the basin, provides increased flow during low water periods for water supply and pollution abatement at points in the Red River. The structure consists of an earth dam and concrete control works with a tainter gate. Most of the land, except for a part at the dam site, has been made available to the Minnesota Department of Natural Resources for wildlife conservation purposes. The area is managed for waterfowl and upland game and is open to public use for boating, fishing and other outdoor recreation.

ALLOCATION FOR FY 2014: \$437,000

BUDGETED AMOUNT FOR FY 2015: M: \$7,000 O: \$548,000 T: \$555,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$479,000 – Minimal operations and maintenance, monitor dam and structures, complete water control data collection and analysis activities necessary meet minimum requirements for dam safety and to provide design operation.

RC: \$50,000 – Minimal operation and maintenance of recreation/public use facilities and execute all programs including water safety and visitor assistance.

H: N/A

EN: \$26,000 – Protect Corps fee owned land and waters from encroachments and imminent loss of significant natural resources due to erosion, wildfire, pests, trespass, or human activity and/or environmentally induced events as necessary to meet legal and regulatory requisites of the National Environmental Policy Act.

WS: N/A

OTHER INFORMATION: Orwell Lake provides access to the Otter Tail River in the dam tailrace with very high quality fishery for this part of the state. The land base around Orwell Lake is leased to the State of Minnesota and operated as Orwell Wildlife Management area considered by the Minnesota Department of Natural Resources as one of the most productive areas. Economic impact to the local economy resulting from operations at Orwell Lake is approx \$500,000,000 annually. Operation of Orwell Lake provides flood control benefits downstream on the Otter Tail River and continuing on the Red River of the North after it intersects the Otter Tail in Breckenridge, MN. The damages prevented since construction are estimated at approx \$705,000,000.

^{1/} Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$102,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Red Lake Reservoir, MN

AUTHORIZATION: FCA 1944

LOCATION AND DESCRIPTION: The project is located 4.5 miles east of the west boundary of the Red Lake Indian Reservation in northwest Minnesota. The Flood Control Act of 1944 authorized improvements on the Red Lake-Clearwater River. Project features included about 27.5 miles of clearing, straightening, and enlarging of the Red Lake River channel between High Landing and a point 4.5 miles east of the west boundary of the Red Lake Indian Reservation. At that point a small concrete dam was built to restore the marshes for wildlife in the reservation between that dam and a point some 3 miles below the outlet of Red Lake. Also included were alterations of the 1931 existing control stop-log structure built by the Indian Service (Bureau of Indian Affairs) at the outlet of Lower Red Lake. Operation of Red Lake Dam was assumed by the Corps on 1 April 1951.

ALLOCATION FOR FY 2014: \$148,000

BUDGETED AMOUNT FOR FY 2015: M: \$28,000 O: \$148,000 T: \$176,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$176,000 – Minimal routine dam and structure operations and maintenance, monitoring, and complete water control data collection and analysis operations necessary to meet minimum requirements for dam safety and provide design operation. Perform minor cyclical maintenance to dam and structures to maintain integrity of structure components.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Red Lake Dam is located at the outlet of lower Red Lake in the northeastern part of Clearwater County, MN. The dam structure controls lake levels on Red Lake and discharges in the Red Lake River which eventually connects with the Red River of the North at East Grand Forks, MN. Damages prevented since construction are approximately \$20,000,000. The dam and related structures are located entirely within the Red Lake Indian Reservation and a significant part of the water management executed by this structure is directly related to Tribal coordination and St. Paul District Tribal Trust responsibilities. A feature was added to Red Lake Dam in 2010 to facilitate fish migration back in to the lake from the Red Lake River and is operated in coordination with Corps of Engineers water control by the Red Lake Band.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$ 0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Reservoirs at Headwaters of Mississippi River, MN

AUTHORIZATION: RHAs of 1880, 1882 and 1958; FCAs of 1944 and 1958; Water Supply Act of 1958, Fish and Wildlife Coordination Act of 1958; Federal Water Pollution Control Act Amendments of 1972

LOCATION AND DESCRIPTION: The Reservoirs at the Headwaters of the Mississippi River Project are located in north central Minnesota in Itasca, Beltrami, Hubbard, Aitkin, Cass, and Crow Wing Counties. Reservoirs include Winnibigoshish, Leech Lake, Pokegama, Sandy Lake, Pine River, and Gull Lake. The six dams were constructed or re-constructed between 1900 and 1913 for the purpose of aiding navigation by stabilizing water flow in the Mississippi River between St. Paul, Minnesota, and Prairie du Chien, Wisconsin. The project includes six Corps managed campgrounds and several day use areas serving approximately 1.7 million visitors annually. The project's water resource management impacts several communities, thousands of property owners and countless recreational users. Its natural resources are valued by resource agencies, industry and Native American communities.

ALLOCATION FOR FY 2014: \$3,311,000

BUDGETED AMOUNT FOR FY 2015: M: \$77,000 O: \$3,535,000 T: \$3,612,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,932,000 – Minimal operation and maintenance of six dams and associated structures to meet requirements for dam safety, instrumentation and environmental compliance and provide design operation. Complete Real Estate compliance inspection activities on all fee lands, monitor use of fee and easement properties.

RC: \$1,340,000 – Minimal operation and maintenance of recreation/public use facilities. Operate six fee camping areas separated geographically by over 100 miles and execute water safety, fee and visitor assistance programs.

H: N/A

EN: \$340,000 – Comprehensive update of the master plan. Conduct operations and operational maintenance tasks associated with managing the natural resource base. This includes implementation of operational management plan recommendations for basic natural resource operational functions including conservation and protection of soil water wetland forest and vegetation.

WS: N/A

OTHER INFORMATION: Although they were authorized primarily for navigation, the reservoirs operate to reduce flood stages in the vicinity of Aitkin and to facilitate use of the area for recreational purposes and fish and wildlife conservation. The reservoirs are in the heart of a very popular tourist and resort area. On Gull, Leech, Sandy, Pokegama and Winnibigoshish, and Cross Lakes, the Corps has placed facilities for swimming, boat launching, camping, picnicking and sanitation. The regulated outflow from the reservoirs contributes to improved water supply, pollution abatement and industrial development. The six Headwaters lakes are very important to the State of Minnesota's overall tourism program, one of the top two industries in the state. The project has prevented over \$57,000,000 in damages through operation of water control structures since construction. Operations of the Headwaters Lakes support a significant number of Tribal Trust responsibilities in the area with many of the lakes located on Reservations; and close coordination with tribes, communities and their cultures is part of daily operations.

Mississippi Valley Division

St. Paul District

Reservoirs at Headwaters of
Mississippi River, MN

24 March 2014

MVD-63

PROJECT NAME: Reservoirs at Headwaters of Mississippi River, MN (Continued)

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$32,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$ 0. This amount will be used to perform work on the project as follows: N/A.

MISSISSIPPI

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Claiborne County Port, MS

AUTHORIZATION: River and Harbor Act 1960, Section 107 (PL 86-645).

LOCATION AND DESCRIPTION: Claiborne County Port is a slack-water, shallow draft harbor, located along the Mississippi River. This project's purpose is to provide a transportation need for water-oriented industry in Claiborne County, Mississippi.

ALLOCATION FOR FY 2014: \$1,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,000 T: \$1,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,000 - Provides for minimal surveys in the event maintenance dredging is required to maintain authorized channel dimensions, ensuring the harbor is open during low water periods.

FRM: N/A.

RC: N/A.

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This port was constructed in 1982 to service many small communities and farmers in Mississippi.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mouth of Yazoo River, MS

AUTHORIZATION: River and Harbor Act 1960

LOCATION AND DESCRIPTION: The mouth of the Yazoo River starts at the Mississippi River and continues for 9.3 miles to the junction of Old Mississippi River and Yazoo Rivers at Vicksburg, Mississippi. The channel is 150 feet wide, and a minimum operating depth of 9 feet below the lowest water of record is maintained in the channel. This project's purpose is to provide access to the Yazoo River, the Upper Vicksburg Harbor, and the Vicksburg Harbor.

ALLOCATION FOR FY 2014: T: \$175,000

BUDGETED AMOUNT FOR FY 2015: M: \$28,000 O: \$6,000 T: \$34,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$34,000 – Provides for channel condition surveys and minimal maintenance dredging to maintain a 9-foot draft channel.

FRM: N/A.

REC: N/A.

HYD: N/A.

ES: N/A.

WS: N/A.

OTHER INFORMATION: This access channel services many small communities and farmers in Mississippi.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pearl River, MS and LA

AUTHORIZATION: River and Harbor Act of 1935, as modified by River and Harbor Act of 1966.

LOCATION AND DESCRIPTION: The Pearl River navigation project is a navigation channel on the Pearl River that originally extended 58 miles from the mouth of the Pearl River to the mouth of Bogalusa Creek at Bogalusa, Louisiana. The project consisted of three locks and three weirs that provided a channel with minimum depth of 7 feet and a minimum bottom width of 100 feet. The project was placed in a caretaker status in 1995 and has been maintained only for maintenance and safety needs.

ALLOCATION FOR FY 2014: \$160,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$150,000 T: \$150,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$150,000 - Provides for minimal maintenance in caretaker status.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: An Initial Appraisal Report was prepared recommending deauthorization of the project. Locks are deteriorating and are potentially unsafe. Subsequent to Hurricane Isaac, damages occurred at Lock 2 as a result of high water filling the lock chamber and overflowing. Since the project is in "Caretaker Status", the structure is left unmanned. An after action review (AAR) was completed and solutions have been implemented to prevent similar events from occurring in the future. A contract to repair the damages caused by Hurricane Isaac was awarded for \$162,000 in August 2013 using P.L. 112-77 funding. The repair was completed in December 2013.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: NA.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Rosedale Harbor, MS

AUTHORIZATION: River and Harbor Act 1960.

LOCATION AND DESCRIPTION: Rosedale Harbor is a slack-water, shallow draft harbor, located along the Mississippi River in Bolivar County, Mississippi. This project's purpose is to meet a transportation need for water-oriented industry in Bolivar, Coahoma, and Sunflower Counties in Mississippi.

ALLOCATION FOR FY 2014: \$1,200,000

BUDGETED AMOUNT FOR FY 2015: M: \$5,000 O: \$4,000 T: \$9,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$9,000 - Provides for minimal surveys in the event maintenance dredging is required to maintain authorized channel dimensions, ensuring the harbor is open during low water periods. This is a high sediment harbor controlled by the rise and fall of the Mississippi River.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This project serves the transportation needs for water-oriented industry for many small communities and farmers in the Mississippi Delta. The project was constructed in 1978 and has been maintained annually. In 2011, 1,364,537 tons were shipped through Rosedale Harbor.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Yazoo River, MS

AUTHORIZATION: Water Resources Development Act 1986 (PL 99-662).

LOCATION AND DESCRIPTION: The Yazoo River provides navigation from Mouth of the Yazoo River, Vicksburg, Mississippi, to Greenwood, Mississippi. Clearing and snagging of the channel provides a clear channel to Yazoo City. The project depth of 9 feet is authorized, but not dredged, to Greenwood, a distance of over 158 miles.

ALLOCATION FOR FY 2014: \$23,000

BUDGETED AMOUNT FOR FY 2015: M: \$15,000 O: \$6,000 T: \$21,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$21,000 - Provides for minimal clearing and snagging of the channel to maintain the authorized dimensions at the confluence of the Yazoo River, Vicksburg Harbor and the Yazoo Canal.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project serves the transportation needs of water-oriented industry for many small communities and farmers in the Mississippi Delta from Greenwood to Vicksburg, Mississippi

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: NA.

MISSOURI

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Caruthersville Harbor, MO

AUTHORIZATION: River and Harbor Act 1960, Section 107, as amended.

LOCATION AND DESCRIPTION: This harbor is located on the Mississippi River (mile 853.0) at Caruthersville, in Pemiscot County, MO. This is a slack-water harbor used primarily for the export of agricultural goods. The project provides for maintenance of the navigation channel for year-round access to barge transportation for the existing facilities. The approved channel dimensions are 9 feet deep by 150 feet wide by 3,500 feet long with a 300-foot radius turning basin at the upper end. The local interest is the Pemiscot County Port Authority.

ALLOCATION FOR FY 2014: \$787,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$12,000 T: \$12,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$12,000 – Provides for performance of minimal critical surveys of the current harbor conditions.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This information can be provided to local interests for their use in determining the navigation capacity of the harbor. The 5 year average commercial tonnage is 260.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total estimated unobligated dollars to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Clarence Cannon Dam and Mark Twain Lake, MO

AUTHORIZATION: FCA 1938 and 1962.

LOCATION AND DESCRIPTION: The project is located on the Salt River at Mile 63 above its confluence with the Mississippi River. This multi-purpose project provides flood risk management, hydropower, water supply, navigation storage, pollution abatement, fish and wildlife conservation, and recreation.

ALLOCATION FOR FY 2014: \$6,436,000

BUDGET FOR FY 2015: M: \$2,487,000 O: \$4,700,000 T: \$7,187,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,000 – Provides for minimal annual recurring operations and maintenance (O&M) activities associated with the re-regulation downstream channel, dam, reservoir, administration and shop buildings to assure availability of critical infrastructure and structural safety.

FRM: \$1,496,000 – Provides for minimum operations and maintenance for flood risk management; critical dam maintenance, flood risk management operations, dam safety, water control and Real Estate cost for compliance management. Operate and maintain flood risk management features ensuring operational availability and reliability of critical FRM infrastructure.

RC: \$2,729,000 – Routine for routine operations and maintenance of recreation areas, facilities and programs; operations and minor maintenance of recreation facilities, visitor assistance, public health and safety, law enforcement agreements, public access, use fees collection, visitor center operations. Implement sustainability features.

REC-SUS15: \$53,000 - Per energy audit, replace outdated/worn fluorescent light fixtures, convert from T-12 fluorescent fixtures to T-8 fluorescent fixtures, and purchase CFL bulbs to replace incandescent in 15 comfort stations and 14 shower buildings. Purchase heat tapes, extension cords, and install drain back assemblies to winterize buildings. Modified plumbing will eliminate winter electric usage. This project will reduce annual wattage used by 196k kilowatt hours saving over \$21,000 per year. 2/

H: \$1,936,000 – Routine operations and maintenance cost for remote operation of 58 megawatts. Funding will ensure meeting Southwestern Power Administration contract requirements. Sustain hydropower performance by increasing availability and reliability of generating units. Rehabilitate spare intake gates at Power Plant.

EN: \$921,000 - Minimal operations and maintenance of environmental stewardship program and features; environmental compliance, control of invasive species, Federally-listed threatened and endangered species, cultural and natural resource protection, environmental stewardship. Meet minimum environmental stewardship responsibilities. Update master plan.

WS: \$103,000 – Minimal annual recurring operations and maintenance cost and water supply agreement associated with water supply. Funding will help ensure availability of water supply meeting contract requirements. Meet minimum water supply responsibility.

OTHER INFORMATION: FY 2012 project visitation was 2,266,000, generating recreation economic benefits estimated at \$55,768,000 (due to nation-wide effort to modernize the visitation estimation and reporting system FY 2013 data is unavailable).

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this study is \$305,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the study as follows: N/A.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's operations and maintenance budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mississippi River between the Ohio & Missouri Rivers (Reg Works), MO & IL

AUTHORIZATION: River and Harbor Acts of 1910, 1927, and 1930 as amended by the River and Harbor Acts of 1945 and 1958.

LOCATION AND DESCRIPTION: Project responsibility extends from the mouth of the Ohio River to the Missouri River at the northern boundary of the City of St. Louis including 195 miles of river and 10,000 acres of public land. Project provides nine-foot navigation channel with a lateral canal/Locks 27 at Chain of Rocks, fixed crest rock dam, channel maintenance, dredging, and environmental compliance. Project has environmental stewardship responsibility as well as land- and water-based recreational opportunities and management of flood risk for sixteen miles of federal levee.

ALLOCATION FOR FY 2014: \$39,900,000

BUDGETED AMOUNT FOR FY 2015: M: \$20,652,000 O: \$6,494,000 T: \$27,146,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$25,591,000 – Critical operation and maintenance of the project, including Locks 27, open reach dredging, surveys, channel patrol, dam safety, maintenance of dikes and revetments, and compliance monitoring and work under the Biological Opinion and Avoid/Minimize Programs. Award contract for replacement of concrete between L27 auxiliary liftgates. There is insufficient reinforcement steel and the lock is closed above stage 407 National Geodetic Vertical Datum.

FRM: \$570,000 - Critical operation and maintenance of sixteen miles of Chain of Rocks Federal Levee to include mowing, inspections, and reading of dam instrumentation and operation of flood control features. Increased O&M requirements due to completion of design deficiency project to include newly constructed pump station, relief wells and berms.

RC: \$322,000 – Minimally operate and maintain six recreational access areas including maintenance of access roads. Coordination with numerous partners on bike trails, access areas, water trails, outgrants, water safety.

H: N/A

EN: \$663,000 - Basic stewardship of 10,000 acres of land, complex compliance requirements, management of outgrants, and coordination with environmental partners for conservation and restoration. Maintain project forest lands (American Bottoms) in accordance with Regional Systemic Forest Management Plan.

WS: N/A

OTHER INFORMATION: Over 105 million tons of commodities passed through Lower River project in FY 2012. A day of unscheduled closure at Locks 27 can impact the regional economy by \$3,000,000, as well as significantly higher national and international secondary impacts. Chain of Rocks levee protects over 250,000 people and \$4,500,000,000 in economic value. FY 2012 recreation economic benefits \$20,824,000 (due to updates to the visitation estimation and reporting system FY 2013 is unavailable).

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$135,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

Mississippi Valley Division

St. Louis District

Mississippi River between the Ohio
& Missouri Rivers (Reg Works), MO & IL

24 March 2014

MVD-75

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: New Madrid County Harbor, MO

AUTHORIZATION: WRDA 1992, Sec.102(n) directs the Secretary of the Army to maintain the New Madrid County Harbor in lieu of maintaining the Federally constructed New Madrid Harbor.

LOCATION AND DESCRIPTION: This locally constructed harbor is located on the Mississippi River (mile 885.0), south of the city of New Madrid, in New Madrid County, Missouri. It is a slack water harbor used primarily for the export of agricultural goods. The project provides for maintenance of the navigation channel for year-round access to barge transportation for the existing facilities. The approved channel dimensions are 9 feet deep by 150 feet wide by 1,500 feet long. The local interest is the New Madrid County Port Authority.

ALLOCATION FOR FY 2014: \$327,000

BUDGETED AMOUNT FOR FY 2015: M: \$23,000 O: \$0 T: \$23,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$23,000 – Provides for performance of minimal critical surveys.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This information can be provided to local interests to be used in the determination of the navigation capacity of the harbor. 5 year average commercial tonnage is 104.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Southeast Missouri Port (SEMO), Mississippi River, MO

AUTHORIZATION: Section 107 of River and Harbor Act of 1960 (Public Law 86-645)

LOCATION AND DESCRIPTION: This Federal project is located on the right bank of the Mississippi River between river miles 47.5 and 48.8 above the Ohio River in Scott and Cape Girardeau Counties in Southeast Missouri. The project consists of a 1,800-foot slackwater harbor with a nine-foot navigation channel, docking facilities, barge-rail-truck transfers, bagging, warehousing, outdoor storage, and nearby fleeting. It links waterborne transportation to rail and truck and provides economic stimulus to the Southeast Missouri region. The project has a Federal responsibility to dredge the approach channel and the authorized channel within the port.

ALLOCATION FOR FY 2014: \$402,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,000 T: \$1,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,000 – Provides for minimal channel patrol to monitor project depth. Coordination with Port Authority on current conditions and impacts to their operation.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Average annual dredging requirement for the last three years has been \$348,000. Port development and expansion is ongoing (state and private funds). The value of products moving through the Port exceeds \$342,000,000 annually. Jobs created total 800 to 1,000 in the port companies, trucking companies, and supporting businesses. Agricultural benefits include over \$4,000,000 in grain transportation savings and over \$2,000,000 in fertilizer transportation savings, serving 700 to 1,000 farmers in the surrounding region. Projects are attracted to SEMO Port because of its multiple modes of transportation which include waterborne, two major rail lines (Burlington Northern Santa Fe Railway and the Union Pacific Railroad) and the nearby Texas Eastern Products Pipeline which connects Texas, the Midwest, and the Northeast.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$3,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

NORTH DAKOTA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Homme Lake, ND

AUTHORIZATION: FCA 1944

LOCATION AND DESCRIPTION: The dam is on the South Branch of Park River about 4 miles upstream from Park River, ND, and 62.1 miles above the mouth of Park River. South, Middle, and North Branches, headwater streams of Park River, rise in Cavalier County in northeastern North Dakota and flow easterly to an almost common confluence near Grafton, ND, forming the main stream which flows easterly 35 miles to join Red River of the North about 35 miles south of the international boundary.

Homme Dam and Lake helps solve flood damage and water supply problems by providing limited protection from spring overflow and a dependable streamflow for water supply at Park River and Grafton. The dam is an earthfill structure 865 feet long, with a 5-foot diameter gate-controlled conduit under the dam and a concrete spillway 150 feet in length adjacent to the dam. The reservoir has a capacity of 3,650 acre-feet below spillway crest.

ALLOCATION FOR FY 2014: \$234,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$351,000 T: \$351,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$340,000 – Minimal operations and maintenance, monitor dam and structures, complete water control data collection and analysis activities to meet minimum dam safety requirements and provide design operations.

RC: N/A

H: N/A

EN: \$11,000 – Protect Corps fee owned land and waters from encroachments and imminent loss of significant natural resources due to erosion, wildfire, pests, trespass, or human activity and or environmentally induced events as necessary to meet legal and regulatory requisites of the National Environmental Policy Act.

WS: N/A

OTHER INFORMATION: Homme Lake was authorized and constructed for water supply and flood control. It provides backup water supply for the communities of Park River and Grafton, ND. The project also provides flood risk reduction benefits to downstream areas and has prevented approximately \$2,300,000 in damages since construction. The lake is in an area with scarce water access and recreational opportunities and is a draw for users from the Grand Forks Air Force Base and general public in the area. The outdoor recreation opportunities provided add significantly to quality of life in the project area, and the project generates approximately \$1,500,000 in economic benefits to the local economy annually.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$21,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Ashtabula and Baldhill Dam, ND

AUTHORIZATION: FCA 1944

LOCATION AND DESCRIPTION: Baldhill Dam is on the Sheyenne River, 16 miles upstream from Valley City, ND, and about 271 miles above the mouth. The Sheyenne River begins in central North Dakota and flows 500 miles generally southeast to enter Red River of the North about 10 miles north of Fargo, ND. Baldhill Dam was constructed to reduce flood damages, primarily at Valley City, and to alleviate water shortages in municipal and rural areas along the Sheyenne River and the Red River of the North.

Placed into operation in 1950, the dam is a 1,650 foot long compacted earth structure with concrete gravity control works 140 feet in length. The reservoir, Lake Ashtabula, has a capacity of 68,600 acre feet at normal pool level. The effectiveness of this project was demonstrated during the 1950, 1969, 1975, 1978, 1979, and 1989 floods.

ALLOCATION FOR FY 2014: \$1,281,000

BUDGETED AMOUNT FOR FY 2015: M: \$24,000 O: \$1,266,000 T: \$1,290,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$887,000 – Minimal to operate, maintain and monitor dam and structures, to meet requirements for dam safety and provide design operation and maintain critical instrumentation in the structure. Monitor the boundaries both fee and easement.

RC: \$258,000 - Minimal operation and maintenance of recreation facilities and execute programs including water safety, recreation fee and visitor assistance programs. Operate visitor center and fund law enforcement contract.

H: N/A

EN: \$145,000 - Protect Corps fee owned land and waters from encroachments and imminent loss of significant natural resources due to erosion, wildfire, pests, trespass, or human activity and/or environmentally induced events as necessary to meet legal and regulatory requisites of the National Environmental Policy Act. Implement Shoreline Management Plan for over 200 structures and noxious weed control program on project lands to comply with state and local laws and regulations.

WS: N/A

OTHER INFORMATION: The project provides limited protection from floods downstream from the dam. It also provides sufficient water flow during dry periods to meet water supply needs of municipalities and rural areas along the Sheyenne River and the Red River downstream from the mouth of the Sheyenne River. A diversion structure and pipeline constructed by the city is used by Fargo as the principal source of water during periods of low and marginal water quality in the Red River of the North. In a mostly arid state (ND), the lake serves as a regional attraction for public water access and use. The opportunities provided on public lands and waters add significantly to the quality of life in the project area. The project has prevented over \$445,000,000 in damages through operations of the dam since construction, and the water supply benefits although unquantifiable, are critical to the downstream municipalities. Lake Ashtabula is recognized by local, state and Federal partners as a major natural resource asset in the State of North Dakota.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$123,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

Mississippi Valley Division

St. Paul District

Lake Ashtabula and
Baldhill Dam, ND

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Souris River, ND

AUTHORIZATION: WRDA 1986 (PL 99-662)

LOCATION AND DESCRIPTION: On the Souris River in Ward, Renville, McHenry, and Bottineau Counties in northwestern North Dakota. The existing Lake Darling Dam is located about 20 miles northwest of Minot, North Dakota. The project also includes features at the communities of Sawyer and Velva and at various locations along the 358 mile U.S. portion of the Souris River.

The 1986 Water Resources Development Act (Public Law 99-662) authorized dam safety and flood control modifications to Lake Darling Dam and seven other dams in the Upper Souris and J. Clark Salyer National Wildlife refuges. Associated facilities include a maintenance building at Lake Darling Dam and an electrified carp barrier at dam 357. Mitigation features for the project include dikes and four pump stations at Upper Souris National Wildlife Refuge and; raised and upgraded embankments for dams 326, 332 and 341 and a low flow structure for dam 320 at J. Clark Salyer National Wildlife Refuge. The construction project was completed in 1998.

ALLOCATION FOR FY 2014: \$341,000

BUDGETED AMOUNT FOR FY 2015: M: \$56,000 O: \$310,000 T: \$366,000 1

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$366,000 – Minimal operation, maintenance, and monitoring of dam to meet requirements for dam safety, instrumentation, periodic inspection and to provide design operation. Complete minor non-cyclical maintenance on Lake Darling Dam, six refuge dam structures, and two pumping plants and water control and water quality analyses and collections.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: A memorandum of understanding (MOU) between the Department of the Interior (Fish and Wildlife Service) and the Department of the Army was formalized on June 2, 1989 establishing procedures, administration, cooperation and coordination between respective agencies for construction, operation and maintenance, rehabilitation and replacement responsibilities for project flood control and mitigation features. This MOU in conjunction with international agreements with Canada, commit the Corps to several water management, water quality, cyclical and major maintenance responsibilities.

Lake Darling Dam which is part of the Souris River Projects complex, located on the Souris River near Minot, ND, has prevented approximately \$145,000,000 in damages since construction. The resources at Lake Darling provide high quality outdoor recreational opportunities for users from the Minot Air Force Base and public in the project area.

The entire Souris River Project consists of eight water control structures and several mitigation features all located within the Upper Souris and J. Clark Salyer National Wildlife Refuges.

PROJECT NAME: Souris River, ND (Continued)

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$92,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

SOUTH DAKOTA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Traverse, SD and MN

AUTHORIZATION: FCA 1936

LOCATION AND DESCRIPTION: The project is located on the MN/SD border between Browns Valley, MN and Wahpeton, ND. Browns Valley on the southern end of the project is the location of the continental divide where flowages split between the Gulf of Mexico to the south and Hudson Bay to the north. The project consists of two dams and appurtenant structures and provides flood control benefits downstream on the Bois de Sioux River and Red River of the North. The lake drains through the river to the Red River of the North, and the two waters form a portion of the boundary between Minnesota and South Dakota.

The Lake Traverse and Bois de Sioux River project completed in 1948 is a flood control and water conservation reservoir. The main structure consists of a 14,500 foot earth dam and a concrete control structure at the north end of Lake Traverse near White Rock, SD. A secondary control structure at Reservation Highway near Wheaton permits control of the upper section of the reservoir at a slightly higher elevation. A 5,000 foot embankment at the south end of Lake Traverse to protect Browns Valley and channel improvement for 24 miles below the main dam completed the project. The area is popular for waterfowl hunting and is used extensively for fishing, boating, swimming, and other activities. Access points, parking areas, boat landings, launching ramps and a swimming beach have been made available.

ALLOCATION FOR FY 2014: \$548,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$609,000 T: \$609,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$503,000 – Minimal operations and maintenance, monitor dam and structures, meet minimum requirements for dam safety and provide design operation. Complete Real Estate compliance inspections, monitor use of fee and easement lands.

RC: \$51,000 – Minimal operation and maintenance of recreation/public use facilities and execute visitor assistance and water safety programs.

H: N/A

EN: \$55,000 – Protect Corps owned fee land and waters from encroachments and imminent loss of significant natural resources due to erosion, wildfire, pests, trespass, or human activity and or environmentally induced events.

WS: N/A

OTHER INFORMATION: Damages prevented since construction are estimated at \$4,500,000,000 dollars. There are day use public access sites providing fishing and related outdoor recreation activities and the project boasts over 800 acres of wildlife management areas open for public use. Annual economic impact to the local economy derived from Lake Traverse operations is approx \$1,600,000 annually.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$89,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

Mississippi Valley Division

St. Paul District

Lake Traverse, SD and MN

24 March 2014

MVD-84

TENNESSEE

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Northwest Tennessee Regional Harbor, Lake County, TN

AUTHORIZATION: River and Harbor Act of 1960, Sec. 107, as amended (Continuing Authorities Projects Not Requiring Specific Legislation)

LOCATION AND DESCRIPTION: This harbor is located at Mississippi River Mile 900.0 on the left descending bank in Lake County near Tiptonville, Tennessee. The project provides for Federal assistance, not to exceed \$5,000,000, for maintenance of the navigation channel for year-round access to the harbor facilities. The Northwest Tennessee Regional Port Authority is the local sponsor.

ALLOCATION FOR FY 2014: \$9,900

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$10,000 T: \$10,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$10,000 – Funding provides for performance of minimal surveys. This information can be provided to local interests for their use in determining the navigation capacity of the harbor.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: The harbor is known locally as “Port of Cates Landing. The local sponsor is currently constructing the harbor service facilities. The Corps of Engineers is in the 3rd year of a 5 year monitoring program to measure the success of the project mitigation site.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wolf River Harbor, TN

AUTHORIZATION: The National Industrial Recovery Act (NIRA) of 16 June 1933; modified by the Flood Control Act of 03 July 1958, J. D. 76/85/1.

LOCATION AND DESCRIPTION: This harbor is located on the Mississippi River (mile 737.0), near Memphis in Shelby County, TN. This is a slack-water harbor and is used primarily for the import of industrial materials. The project provides for a navigation channel 9 feet deep by 250 feet wide at low water from the mouth to Keel Avenue (mile 1.75) and 200 feet wide from Keel Avenue to mile 3.0. The local interest is the city of Memphis, TN.

ALLOCATION FOR FY 2014: \$263,000

BUDGETED AMOUNT FOR FY 2015: M: \$239,000 O: \$0 T: \$239,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$239,000 – Provides for the performance of minimal critical surveys, water data collection, and limited dredging.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: 5 year average commercial tonnage is 848.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 is \$24,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort are \$0. This amount will be used to perform work on the project as follows: N/A.

WISCONSIN

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Eau Galle River Lake, WI

AUTHORIZATION: FCAs of 1944 and 1958; Fish and Wildlife Coordination Act of 1958; RHA 1958; Water Supply Act of 1958

LOCATION AND DESCRIPTION: Eau Galle Lake is located on the Eau Galle River, immediately upstream of Spring Valley, WI 30 miles above its mouth at Chippewa River, and its tributary, Mines Creek, which flows through the village. Spring Valley is about 45 miles east of St. Paul, MN, and 36 miles west of Eau Claire, WI.

The improvement under the authorization provided for a retarding reservoir and dam, including an uncontrolled spillway on the Eau Galle River immediately upstream from Spring Valley with a discharge channel downstream from the dam, and remedial work on Mines Creek consisting of channel enlargement, low levees, and drop structures to reduce velocities prior to discharge into the Eau Galle River.

ALLOCATION FOR FY 2014: \$727,000

BUDGETED AMOUNT FOR FY 2015: M: \$32,000 O: \$715,000 T: \$747,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$463,000 – Minimal operation and maintenance, monitor dam and structures, complete water control data collection and analysis to meet minimum requirements for dam safety and provide design operation. Complete real estate compliance inspections, environmental compliance (ERGO), and scheduled bridge inspection.

RC: \$263,000 – Minimal operation and maintenance of recreation facilities and execute visitor assistance, water safety and recreation fee programs.

HYD: N/A

ES: \$21,000 – Conduct minimal operations and operational maintenance tasks required to complete environmental stewardship mission. This includes implementation of operational management plan recommendations for basic natural resource operational functions including conservation and protection of soil, water, wetland, forest, and vegetation.

WS: N/A

OTHER INFORMATION: The Eau Galle Project with its large rolled-earth dam, controls the 64-square mile drainage basin of the Eau Galle River. The dam was constructed between 1965 -1968, after repeated flooding of the Spring Valley community area. Damages prevented for the storage in Eau Galle Lake and operations of the water control structure are estimated at approximately \$11,500,000 since construction.

The project provides an excellent array of outdoor recreation opportunities ranging from overnight camping, hiking, water based activities, horseback camp and trails, and many related activities. These opportunities serve to provide significant quality of life benefits to users and the public in the project area. Economic impact to the local economy derived from operations at Eau Galle Lake is estimated at \$2,200,000 annually.

1/ Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$11,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort are \$0. This amount will be used to perform work on the project as follows: N/A.

North Atlantic Division

24 March 2014

Operation and Maintenance

Key to Abbreviations:

N = Navigation

FRM = Flood Risk Management

RC = Recreation

H = Hydropower

EN = Environmental Stewardship

WS = Water Supply Construction

Connecticut

O&M Justification Sheet

PROJECT NAME: Black Rock Lake, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: Black Rock Lake is located on Branch Brook, about 2 miles upstream from its confluence with the Naugatuck River. The project is located in Thomaston and Watertown, Connecticut. Black Rock Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Housatonic River Basin. The project consists of an earth-filled dam, 933 feet long with a maximum height of 154 feet; an uncontrolled chute spillway, 140 feet wide with a maximum discharge capacity of 33,500 cubic feet per second; and a rectangular outlet conduit with 2 control gates. The reservoir provides a flood storage capacity of 8,755 acre-feet to control runoff from its net drainage area of 20.4 square miles. Construction of the dam and appurtenant structures was initiated in July 1967 and completed in July 1971.

ALLOCATION FOR FY 2014: \$734,340

BUDGETED AMOUNT FOR FY 2015: M: \$151,000 O: \$397,000 T: \$548,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$456,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes inspection of project bridges (\$10,000).

RC: \$50,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 64,000 visitors each year.

H: N/A

EN: \$42,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 173 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$217.2 million in flood damages since placed in service in 1971.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$69,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Colebrook River Lake, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: Colebrook River Lake is located on the West Branch of the Farmington River, about 8.1 miles above its junction with the main stem of the Farmington River. The project is located in Colebrook, Connecticut and the pool extends into Sandisfield and Tolland, Massachusetts. Colebrook River Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with rock slope protection, 1,300 feet long with a maximum height of 223 feet; an earth-filled dike 1,240 feet long with a maximum height of 54 feet; an uncontrolled ogee weir spillway, 205 feet wide with a maximum discharge capacity of 96,000 cubic feet per second; and a 10-foot diameter outlet tunnel with 3 control gates. The reservoir provides a flood storage capacity of 97,700 acre-feet to control runoff from its net drainage area of 118 square miles. Construction of the dam and appurtenant structures was initiated in May 1965 and completed in June 1969. Recreational facilities were initiated in August 1969 and completed in June 1970.

ALLOCATION FOR FY 2014: \$736,560

BUDGETED AMOUNT FOR FY 2015: M: \$177,000 O: \$498,000 T: \$675,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$543,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes a required inspection of project bridges (\$9,000).

RC: \$62,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 115,000 visitors each year.

H: N/A

EN: \$66,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 388 fee owned acres of land.

WS: \$4,000 – Provides for minimal routine operation and maintenance activities relating to water supply at the project. This work includes additional operation of the gates for water releases during low flow periods of time and coordinating with local entities pertaining to these releases.

OTHER INFORMATION: Project has prevented an estimated \$92.8 million in flood damages since placed in service in 1969.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$147,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Hancock Brook Lake, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: Hancock Brook Lake is located along Branch Brook, about 2 miles upstream from its confluence with the Naugatuck River. The project is located in Thomaston and Watertown, Connecticut. Hancock Brook Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Housatonic River Basin. The project consists of an earth-filled dam with an impervious core and stone slope protection, 630 feet long and a maximum height of 57 feet; an uncontrolled ogee weir spillway, 100 feet wide with a maximum discharge capacity of 16,600 cubic feet per second; and an un-gated rectangular outlet conduit. The reservoir provides a flood storage capacity of 4,030 acre-feet to control runoff from its net drainage area of 12 square miles. Construction of the dam and appurtenant structures was initiated in July 1963 and completed in August 1966.

ALLOCATION FOR FY 2014: \$406,890

BUDGETED AMOUNT FOR FY 2015: M: \$179,000 O: \$252,000 T: \$431,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$333,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes replacement of the log boom cable (\$10,000).

RC: \$50,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 15,000 visitors each year.

H: N/A

EN: \$48,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. The project consists of 707 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Hancock Brook Dam and the Rail Road Dike portion of the project were assigned Dam Safety Assurance Classification (DSAC) ratings of III in November 2009. The principle issue is seepage for both the dam and dike. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$52.5 million in flood damages since placed in service in 1966.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$41,700. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Hop Brook Lake, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: Hop Brook Lake is located on Hop Brook, about 1.4 miles upstream from its confluence with the Naugatuck River. The project is located in Waterbury, Middlebury and Naugatuck, Connecticut. Hop Brook Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Housatonic River Basin. The project consists of an earth-filled dam with an impervious core and stone slope protection, 520 feet long with a maximum height of 97 feet; an earth-filled dike 440 feet long with a maximum height of 33 feet; an uncontrolled broad crested spillway weir, 200 feet wide with a maximum discharge capacity of 23,000 cubic feet per second; and a rectangular outlet conduit with 2 control gates. The reservoir provides a flood storage capacity of 6,970 acre-feet to control runoff from its net drainage area of 16.4 square miles. Construction of the dam and appurtenant structures was initiated in December 1965 and completed in December 1968.

ALLOCATION FOR FY 2014: \$1,056,330

BUDGET FOR FY 2015: M: \$274,000 O: \$884,000 T: \$1,158,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$713,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintaining service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes inspection of project bridges (\$8,000) and removal of underground fuel oil tank (\$60,000).

RC: \$258,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 221,000 visitors each year.

H: N/A

EN: \$187,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. Funding also includes removal of invasive species on project lands (\$79,000). The project consists of 538 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Hop Brook Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of II in 2005. The principle issue is seepage. The rating of II is defined as Urgent (Unsafe or Potentially Unsafe). A grouting contract was awarded in September 2009, using ARRA Construction funds, to address the seepage issue at the dam. Project has prevented an estimated \$108.5 million in flood damages since placed in service in 1968.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$154,800. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be use to perform work on the project as follows: N/A

Division: North Atlantic

District: New England

Hop Brook Lake, Connecticut

O&M Justification Sheet

PROJECT NAME: Long Island Sound (LIS) Dredged Material Management Plan (DMMP), Connecticut and New York

AUTHORIZATION: Public laws authorizing existing federal navigation projects adjacent to LIS in Connecticut and New York. The Governors of these states, in a joint letter dated 8 February 2005, requested the Corps to develop a regional DMMP for the LIS Region.

LOCATION AND DESCRIPTION: LIS is located between the State of Connecticut and Long Island, New York. There are 55 existing Federal navigation projects that require periodic maintenance dredging in the LIS region, extending from Throggs Neck to Block Island Sound. Existing disposal sites include selected ocean and 404 sites in LIS, and in-water/upland sites including beach nourishment consistent with existing authorizations. The U.S. Environmental Protection Agency (EPA) Regions I and II, as well as the New York District are cooperating in the preparation of the DMMP. Dredging and management of dredged material is vital to the economic and environmental well-being of both states. However, basic differences exist between the states over the designation of open water disposal sites in LIS. The interests of all stakeholders are best served by development of a comprehensive plan to address future dredged material disposal needs and management protocols in a regional DMMP. The states in partnership with the Corps, EPA and other local, state and federal agencies form a team committed to an open and inclusive process for developing the DMMP. This partnership will ensure that all parties contribute resources and achieve consensus for alternative disposal options, including reducing sediment sources and contaminant loading, and developing beneficial reuses for dredged material, with the goal of reducing or eliminating the need for open water disposal.

ALLOCATION FOR FY 2014: \$495,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$329,000 T: \$329,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$329,000 – Funds will be used to hold public meetings and complete preparation of the Programmatic Environmental Impact Statement and DMMP. These funds will also be used to initiate preparation of a Record of Decision document.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$4,160,300. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$4,000,000. This amount, together with the Budget Amount shown above, will be used as follows: hold public meetings and complete preparation of the Programmatic Environmental Impact Statement and DMMP. These funds will also be used to initiate preparation of a Record of Decision document.

Division: North Atlantic

District: New England

Long Island Sound (LIS) Dredged
Material Management Plan (DMMP),
Connecticut and New York

O&M Justification Sheet

PROJECT NAME: Mansfield Hollow Lake, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1941.

LOCATION AND DESCRIPTION: Mansfield Hollow Lake is located on the Natchaug River, about 5.3 miles upstream from its confluence with the Willimantic River. The project is located in the towns of Windham and Chaplin, Connecticut, and is part of a comprehensive system of flood control projects designed to protect life and property within the Thames River Basin. The project consists of an earth-filled dam with stone slope protection, 14,050 feet long and a maximum height of 68 feet; 6 earth-filled dikes with a total length of 2,656 feet and a maximum height of 53 feet; an uncontrolled ogee weir spillway, 690 feet wide with a maximum discharge capacity of 106,600 cubic feet per second; and 5 rectangular outlet conduits with 26 control gates. The reservoir provides a flood storage capacity of 52,000 acre-feet to control runoff from its net drainage area of 159 square miles. Construction of the dam and appurtenant structures was initiated in 1949 and completed in 1952.

ALLOCATION FOR FY 2014: \$1,071,190

BUDGETED AMOUNT FOR FY 2015: M: \$242,000 O: \$529,000 T: \$771,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$667,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required five year cycle Periodic Inspection of project (\$98,000), and replacement of the gate stem operators, safety railings and ladders on Dike B (\$80,000).

RC: \$65,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 276,000 visitors each year.

H: N/A

EN: \$39,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 2,470 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Mansfield Hollow Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of II in 2005. The principle issue is seepage. The rating of II is defined as Urgent (Unsafe or Potentially Unsafe). Dam Safety Construction funds are currently being used to evaluate the seepage problem. Dikes A and B at Mansfield Hollow Dam were assigned DSAC ratings of III in 2009. The principle issue for the dikes is seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$101.6 million in flood damages since placed in service in 1952.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$68,600. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Mansfield Hollow Lake, Connecticut

O&M Justification Sheet

PROJECT NAME: Northfield Brook Lake, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: Northfield Brook Lake is located along Northfield Brook, about 1.3 miles upstream from its confluence with the Naugatuck River. The project is located in the Town of Thomaston, Connecticut. Northfield Brook Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Housatonic River Basin. The project consists of an earth-filled dam with an impervious core and stone slope protection, 810 feet long and a maximum height of 118 feet; an uncontrolled ogee weir spillway, 72 feet wide with a maximum discharge capacity of 8,800 cubic feet per second; and a 3-foot diameter outlet conduit with a control gate. The reservoir provides a flood storage capacity of 2,430 acre-feet to control runoff from its net drainage area of 5.7 square miles. Construction of the dam and appurtenant structures was initiated in May 1963 and completed in October 1965. Construction of recreational facilities were initiated in November 1966 and completed in August 1967.

ALLOCATION FOR FY 2014: \$429,660

BUDGETED AMOUNT FOR FY 2015: M: \$133,000 O: \$343,000 T: \$476,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$352,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required inspection of project bridges (\$15,000).

RC: \$79,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 45,000 visitors each year.

H: N/A

EN: \$45,000 - Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 208 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$75.8 million in flood damages since placed in service in 1965.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$62,300. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Stamford Hurricane Barrier, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: The Stamford Hurricane Barrier is located along the East and West Branches of Stamford Harbor and Westcott Cove in the City of Stamford, Connecticut. The project provides for the construction of the East Branch Barrier, which consists of 2,850 feet of earth-filled dike with rock slope protection, a 90-foot wide gated opening for navigation and a 45,000 gallon per minute pump station to handle interior drainage. The project includes protection along the West Branch of Stamford Harbor, consisting of 1,349 feet of concrete wall, 160 feet of sheet pile bulkhead wall, 2,950 feet of earth-filled dike and a 229,500 gallon per minute pump station. The project also includes protection along Westcott Cove consisting of 4,400 feet of earth-filled dike and two pump stations with a total capacity of 85,500 gallons per minute. Project construction was completed in January 1969. The project is operated and maintained by the City of Stamford, with the exception of the navigation gate, which is operated and maintained by the Corps of Engineers.

ALLOCATION FOR FY 2014: \$674,210

BUDGETED AMOUNT FOR FY 2015: M: \$682,000 O: \$384,000 T: \$1,066,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,045,000 – Provides for minimal routine essential operation and maintenance activities necessary to operate the gates and protect life and property in downtown Stamford during coastal flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and gate operation. Funding includes replacing security fencing (\$337,000), pumping out lower chamber, and installing cathodic protection (\$75,000).

RC: N/A

H: N/A

ES: \$21,000 - Provides for ERGO Cycle V environmental compliance and re-assessments, including correction of deficiencies.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$39.4 million in flood damages since placed in service in 1969.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$156,600. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Stamford Hurricane Barrier,
Connecticut

O&M Justification Sheet

PROJECT NAME: Thomaston Dam, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1944.

LOCATION AND DESCRIPTION: Thomaston Dam is located along the Naugatuck River, 30.4 miles upstream from its confluence with the Housatonic River. The project is located in Thomaston, Litchfield, Harwinton and Plymouth, Connecticut. Thomaston Dam is part of a comprehensive system of flood control projects designed to protect life and property within the Housatonic River Basin. The project consists of an earth-filled dam with an impervious core and stone slope protection, 2,000 feet long and a maximum height of 142 feet; an uncontrolled side channel spillway, 435 feet wide with a maximum discharge capacity of 132,200 cubic feet per second; and a 10-foot diameter horseshoe-shaped outlet conduit with 2 control gates. The reservoir provides a flood storage capacity of 42,000 acre-feet to control runoff from its net drainage area of 97.2 square miles. Construction of the dam and appurtenant structures was initiated in May 1958 and completed in November 1960.

ALLOCATION FOR FY 2014: \$812,790

BUDGETED AMOUNT FOR FY 2015: M: \$199,000 O: \$621,000 T: \$820,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$644,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections, patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required inspection of project bridges (\$8,000).

RC: \$90,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 160,000 visitors each year.

H: N/A

EN: \$86,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 849 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Thomaston Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of III in March 2009. The principle issue is seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$829 million in flood damages since placed in service in 1960.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$107,400. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: West Thompson Lake, Connecticut

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: West Thompson Lake is located along the Quinebaug River, in the Town of Thompson, Connecticut. West Thompson Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Thames River Basin. The project consists of an earth-filled dam with stone slope protection, 2,550 feet long and a maximum height of 69.5 feet; an earth-filled dike 1,650 feet long with a maximum height of 30 feet; an uncontrolled L-shaped ogee weir spillway, 320 feet wide with a maximum discharge capacity of 63,000 cubic feet per second; and a 12-foot diameter horseshoe-shaped outlet conduit with 3 control gates. The reservoir provides a flood storage capacity of 26,800 acre-feet to control runoff from its net drainage area of 173.5 square miles. Construction of the dam and appurtenant structures was initiated in August 1963 and completed in October 1965.

ALLOCATION FOR FY 2014: \$671,220

BUDGETED AMOUNT FOR FY 2015: M: \$184,000 O: \$463,000 T: \$647,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$513,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes.

RC: \$89,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 146,000 visitors each year.

H: N/A

EN: \$45,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 1,672 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$56.5 million in flood damages since placed in service in 1965.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$53,800. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Delaware

O&M Justification Sheet

PROJECT NAME: IWW, Delaware River to Chesapeake Bay, Delaware and Maryland

AUTHORIZATION: HD 63-196 in 1919 and modified by Section 3 of the R & H Act of 1927, by R & H Comm. Doc. 71-41 and SD 71-151 in 1930, by HD 72-201, HD 73-18, and HD 73-24 in 1935, and by SD 83-123 in 1954 and modified by H.R. 5314 (WRDA 1990).

LOCATION AND DESCRIPTION: The waterway extends from Reedy Point on the Delaware River, about 41 miles downstream from Philadelphia, Pa. through a sea level canal westward to the Elk River, thence following the Elk River and the upper Chesapeake Bay to deep water near Pooles Island. Maintenance consists of 46 miles of channels (35' x 450'), an anchorage and turning basin on Back Creek and at Chesapeake City, and the Delaware City Branch channel (8' x 50' x 2 miles). The project consists of maintenance and repair of 5 high level bridges; maintenance of entrance jetties at Reedy Point; maintenance of roads and drainage ditches along canal banks, upland disposal areas, and maintenance of stabilized channel banks through rip-rap replacement and bulkhead repair.

ALLOCATION FOR FY 2014: \$18,728,820

BUDGETED AMOUNT FOR FY 2015: M: \$19,155,000 O: \$3,200,000 T: \$22,355,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$22,355,000. Funds will be used for minimal routine operation and maintenance of the project, including dispatching, channel exams, and to meet operational safety requirements for five high height highway bridges. Funding will also be used to maintain buildings, grounds, utilities, canal banks & dredge material containment facilities, routine operations of bridges, maintenance dredging of critical shoals within the 46 mile the navigation channel; periodic inspection of Chesapeake City, St. George's, Delaware City, and SR-1 Bridges, Repair Cable Stays on SR-1 Bridge, Repair Steel and Replace Bearings on Reedy Point Bridge (final phase), and Installation of an Impervious Barrier at Pearce Creek Confined Disposal Facility (CDF).

FRM: NA

RC: NA

H: NA

EN: NA

WS: - NA

OTHER INFORMATION: The Corps of Engineers took ownership of the Senator Roth Bridge (SR-1) in May 2012 in accordance with Section 3044 of the Water Resources Development Act of 2007. SR-1 has a \$3M backlog of needed repairs. Without the use of Pearce Creek CDF, dredge placement options for O&M material removed from the southern approach channels of the C&D Canal will be in jeopardy. Commerce on the waterway averages over 12 million tons annually.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,968,827. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Wilmington Harbor, New Castle County, Delaware

AUTHORIZATION: The existing project, adopted as HD 54-66 in 1896 and 1899, and modified by HD 67-114 in 1922, by HD 71-20 in 1930, by HD 73-32 in 1935, by HD 76-658 in 1940, by SD 86-88 in 1960, and further modified pursuant to the authority of Section 107 of the River and Harbor Act of 1960 (PL 86-645).

LOCATION AND DESCRIPTION: Wilmington Harbor provides for a channel with depths of 38, 35, 21, 10, and 7 feet from the Delaware River to Newport, DE, a turning basin 2050 feet long, 640 feet wide and 38 feet deep opposite the Wilmington Marine Terminal, and jetties at the mouths of Christina and Brandywine Rivers. The project extends from the Delaware ship channel upstream, a length of about 9.9 miles.

ALLOCATION FOR FY 2014: T: \$5,350,950

BUDGETED AMOUNT FOR FY 2015: M: \$3,320,000 O: \$370,000 T: \$3,690,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,690,000. Funds will be used for operation and maintenance activities for the project, including critical minimal maintenance dredging of both the 35-foot and 38-foot project channels, monthly channel examination surveys and dredge material containment facility maintenance and dike construction by both hired labor and leased equipment contract.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The Port of Wilmington is a full-service deep water port handling over 400 vessels per year with an annual import/export cargo tonnage of 5 million tons. The port contributes significantly to the Delaware's economic vitality by creating 5,800 jobs resulting in \$225,000,000 in annual personal income, annual business revenues of \$213,000,000, and annual state and local taxes totaling \$23,000,000 annually. The port is the number one gateway in the United States for imports of fresh fruit, and juice concentrates, the world's largest banana port, and is a key mid-Atlantic distribution hub for imported beef. Largest dockside cold storage and controlled atmosphere facility in the United States.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,230,699. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

District of Columbia

O&M Justification Sheet

PROJECT NAME: Potomac and Anacostia Rivers, DC and MD (Drift Removal)

AUTHORIZATION: River and Harbor Act of 27 October 1965, 89th Congress.

LOCATION AND DESCRIPTION: System Code 0207 - Potomac and Anacostia Removal of Drift Project is located within Washington, DC, Prince Georges County, Maryland and Fairfax County, Virginia. The collection and removal effort is a year round effort and consists of performing routine patrols throughout the harbor and also responding to emergency calls from Coast Guard and Navy activities, state and local government activities, and commercial business concerns for the removal of drift material deemed hazardous to the safe navigation of both commercial and recreational marine vessels.

ALLOCATION FOR FY 2014: \$866,250

BUDGETED AMOUNT FOR FY 2015: M: \$875,000 O: \$0 T: \$875,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$875,000 - Funding will provide minimal drift collection and removal operations to support safe passage, free of obstructions, on the Potomac and Anacostia Rivers.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: This work provides safe navigation, free of obstruction, for security and commercial traffic on the Potomac and Anacostia Rivers adjacent to Washington, D.C.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$22,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: North Atlantic

District: Baltimore

Potomac and Anacostia Rivers, DC and MD
(Drift Removal)

O&M Justification Sheet

PROJECT NAME: Washington Harbor, DC

AUTHORIZATION: River and Harbor Committee, Document 22, 74th Congress. 1st Session, August 30, 1935.

LOCATION AND DESCRIPTION: System Code 0207- Washington Harbor Project is located within Washington, DC. The project provides for a channel in the Potomac River from Giesboro Point to Key Bridge, a second channel from Giesboro Point to the end of Washington Channel, and a third channel from the mouth of the Anacostia River to the foot of 15th Street, S.E., with turning basins opposite the Washington Navy Yard (800 feet wide and 2,400 feet long) and at the head of the Anacostia Channel (400 feet square). Channel dimensions are 24 feet deep and 400 feet wide except upstream from Anacostia Bridge where the width is reduced to 200 feet and from Giesboro Point to a point 3,000 feet downstream of Arlington Memorial Bridge and above Easby Point where channel dimensions are 20 feet deep and 200 feet wide. The project also provides for the operation and maintenance of the inlet and outlet gates to the tidal basin.

ALLOCATION FOR FY 2014: \$24,750

BUDGETED AMOUNT FOR FY 2015: M: \$25,000 O: \$0 T: \$25,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$25,000 - Funding will provide for gate inspection and maintenance, and minimal removal of debris adjacent to the gates, which control the flow of water into and out of the Tidal Basin.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The Tidal Basin flushes water in the Washington channel to improve water quality in the channel. The basin is also part of West Potomac Park and is a focal point of the National Cherry Blossom Festival held each spring, which brings in more than 1.5 million visitors. The Jefferson Memorial, the Martin Luther King, Jr. National Memorial, the Franklin Delano Roosevelt Memorial, and the George Mason Memorial are situated adjacent to the Tidal Basin.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$14,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Maine

O&M Justification Sheet

PROJECT NAME: Disposal Area Monitoring, Maine, Connecticut, Massachusetts, New Hampshire, New York and Rhode Island

AUTHORIZATION: Section 404 of the Clean Water Act of 1972 and Section 103 of the Marine Protection, Research and Sanctuaries Act of 1972.

LOCATION AND DESCRIPTION: The project involves the management and monitoring of 10 regional open-water dredged material disposal sites located along coastal New England. These sites serve over 90 percent of the disposal needs for dredging projects in New England and portions of New York. This includes projects such as Boston, New Haven, Portsmouth, Portland, Providence, New London, Mamaroneck, Port Chester, Milton and many other smaller harbors and navigation projects. Disposal sites in New England receive an average of 1.5 million cubic yards of dredged material per year from Federal, State and private dredging projects. Disposal costs would increase dramatically without access to the regional open-water sites. Surveys, along with sediment sampling and testing, are performed to assure that disposal at these regional sites does not result in hazards to navigation, that capping projects are successful and that unacceptable environmental damage does not occur.

ALLOCATION FOR FY 2014: \$1,039,500

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,050,000 T: \$1,050,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2014:

N: \$1,050,000 – Funds will be used to perform minimal annual disposal site monitoring; including condition surveys, sediment sampling and testing, repositioning of disposal site buoys and preparation of several monitoring study reports.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Discontinuing monitoring would jeopardize ability to continue open water disposal in entire New England region and New York-Long Island Sound.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$31,600. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Disposal Area Monitoring, Connecticut,
Maine, Massachusetts, New Hampshire,
New York and Rhode Island

Maryland

O&M Justification Sheet

PROJECT NAME: Baltimore Harbor and Channels, MD & VA

AUTHORIZATION: House Document 799, 64th Congress, 1st Session, August 8, 1917; River and Harbors Committee Document 11, 70th Congress, 1st Session, July 3, 1930; House Document 741, 79th Congress, 2nd Session, March 2, 1945; House Document 86, 85th Congress, 1st Session, July 3, 1958; House Document 181, 94th Congress, 1st Session, December 31, 1970: WRDA 1986.

LOCATION AND DESCRIPTION: The project channels are located in the Chesapeake Bay from Virginia to Maryland. The authorized system of channels include: a uniform main channel 50 feet deep, and generally 800 (in Maryland) or 1,000 (in Virginia) feet wide through the Chesapeake Bay from the Virginia Capes at the mouth of the Bay to Fort McHenry in the Port of Baltimore, a distance of 175 miles; Depths of 50, 49, and 40 feet are authorized in the 600-foot wide branch channels of Curtis Bay, Northwest Branch East Channel, and Northwest Branch West Channel, respectively; southern approach and connecting channels 35 feet deep and 600 feet wide leading from the Port of Baltimore to the Inland Waterway from Delaware River to Chesapeake Bay, Delaware and Maryland, Baltimore Harbor branch channels ranging from 22, 35 and 42 feet deep and 200 to 600 feet wide in Curtis Creek and Ferry Bar; and Baltimore Harbor anchorages 30 and 35 feet deep. The project also includes a straightened Tolchester Channel S-Turn and a 50-foot deep turning basin; 35 and 42-foot deep anchorages; and 42 and 36 feet deep and 400 to 500-foot wide channels into Dundalk, Seagirt, and South Locust Point.

ALLOCATION FOR FY 2014: \$21,862,170

BUDGETED AMOUNT FOR FY 2015: M: \$22,500,000 O: \$1,225,000 T: \$23,725,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$23,725,000 - Funding will provide for the restoration of authorized dimensions through maintenance dredging of the waterway. Channels scheduled for maintenance dredging include the Craighill Channel Entrance Angle, Brewerton, Ft McHenry, and Brewerton Extension channels. Funds will also provide for conducting condition surveys to report channel conditions to the USCG, NOAA, ship pilots and other navigation users and to continue studies on the Dredged Material Management Plan to support bringing new containment facilities on line and avoid shortfalls in dredged material placement capacity.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: 38% of US roll-on roll-off cargo comes through Port of Baltimore. Baltimore Harbor is the 2nd largest coal port on east coast and is home port to U.S. Naval Reserve vessels, and is used for military deployments. The USCG has fleet of buoy tenders, patrol boats, and ship yard facility in the Harbor. Recent severe ship groundings have resulted in higher risk congestion as pilots slow ship speeds and juggle one way traffic schemes. In 2012 the terminals handled the highest number of cars, farm machinery, and construction machinery of all U.S. Ports. The Port's public and private marine terminals saw 44.8 million tons of cargo cross their docks in 2011, up from 39.6 million tons in 2010. The total dollar value amount of that cargo was more than \$54.0 billion.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$4,605,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: North Atlantic

District: Baltimore Baltimore Harbor and Channels, MD & VA

O&M Justification Sheet

PROJECT NAME: Baltimore Harbor, MD – Collection and Removal of Drift

AUTHORIZATION: River and Harbor Act of 30 June 1948.

LOCATION AND DESCRIPTION: System Code 0206 - The Baltimore Harbor Collection and Removal of Drift Project is located within Baltimore City, and Baltimore and Anne Arundel Counties, Maryland. The collection and removal effort is a year round effort and consists of performing routine patrols throughout the harbor and also responding to emergency calls from Coast Guard and Navy activities, state and local government activities, and commercial business concerns for the removal of drift material deemed hazardous to the safe navigation of both commercial and recreational marine vessels.

ALLOCATION FOR FY 2014: \$321,750

BUDGETED AMOUNT FOR FY 2015: M: \$325,000 O: \$0 T: \$325,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$325,000 - Funding will provide minimal drift collection and removal operations to support the Port of Baltimore to ensure that commercial vessels have safe passage free of obstructions.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The Port of Baltimore provides approximately 14,000 jobs and has an estimated regional economic value of \$5.6 billion. The Port handles approximately 36.8 million tons of foreign cargo, with an estimated value of \$49.6 billion.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$25,700. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Cumberland, MD & Ridgeley, WV

AUTHORIZATION: Flood Control Act of 22 June 1936 and the Flood Control Act of 24 July 1946 described in House Document No. 101, 73rd Congress, 1st Session.

LOCATION AND DESCRIPTION: System Code 0207 - The project is located in Cumberland, Maryland and Ridgeley, West Virginia. The protective works consist of about 1.6 miles of channel improvements along Wills Creek; 1.7 miles of channel improvement along the North Branch Potomac River; 3 pumping stations; 8 pressure conduits; an industrial water-supply dam; reconstruction of a railroad bridge; track relocations; and reconstruction of piers and abutments for three highway bridges. The project protects Cumberland, Maryland and Ridgeley, West Virginia, against flood discharges 28 percent greater than the maximum flood of record (March 1936). Federal maintenance is provided for the channels of Wills Creek and the North Branch Potomac River. Operation and maintenance of the Federal project is performed by the City Engineering Department of Cumberland under contract with the Baltimore District Corps of Engineers.

ALLOCATION FOR FY 2014: \$148,500

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$156,000 T: \$156,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$156,000 - Funding will provide for flood risk management operation cost for project, which includes salaries, critical stream gages and contracts.

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 10,000. Flood damages prevented through FY2013 are \$38 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$21,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Jennings Randolph Lake, MD & WV

AUTHORIZATION: Flood Control Act of 23 October 1962 (PL 87-874) and described in House Document 469, 87th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0207- Jennings Randolph Lake project, located in Garrett County, Maryland, and Mineral County, West Virginia, on the North Branch Potomac River, is 7.9 miles upstream from the mouth of Savage River at Bloomington, MD. The dam is a rolled earth and rockfill structure rising 296 feet from the streambed and extending 2,130 feet across the valley. The project includes a rolled earth and rockfill dike 900 feet long on the left (north) bank, and a spillway with tainter gates along the ridge between the dike and the dam. Outlet works are provided in the right (south) abutment. With a full conservation pool, the lake, controlling a drainage area of 263 square miles, is about 5.5 miles long and has a surface area of 952 acres. Forty-five percent of the storage space in the project is allocated for water supply storage, owned by the Washington Suburban Sanitary Commission, District of Columbia, and Fairfax County. The Corps operates and maintains six recreation areas, and two recreation areas are operated and maintained by Mineral County and the Maryland Department of Natural Resources under real estate leases.

ALLOCATION FOR FY 2014: \$1,893,870

BUDGETED AMOUNT FOR FY 2015: M: \$649,000 O: \$1,221,000 T: \$1,870,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$1,314,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$313,000 - Funding will provide for operation and maintenance, which includes salaries for permanent and seasonal staff, utilities, supplies and contracts.

H: NA

EN: \$213,000 - Funding will provide natural resources protection and conservation, eco-system management, and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: \$30,000 - Funding will provide for water supply coordination.

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 90,000. Flood damages prevented through FY2013 are \$401 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$46,300. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Wicomico River, MD

AUTHORIZATION: House Document 20, 51st Congress, 1st Session, September 19, 1890, modified by House Document 569, 61st Congress, 2nd Session, June 25, 1910; House Document 1509, 63rd Congress, 3rd Session, March 2, 1919; Senate Committee, 75th Congress, 3rd Session, August 26, 1937; and House Document 619, 81st Congress, 2nd Session, September 3, 1954.

LOCATION AND DESCRIPTION: System Code 0206- The Wicomico River Federal navigation project is located in Wicomico and Somerset Counties, Maryland. The project provides for a channel 14 feet deep and 150 feet wide from the Chesapeake Bay to Salisbury, including a 100 foot wide channel with turning basins all 14 feet deep in the north and south prongs, and a 60 foot wide channel 6 feet deep from deep water in the river to Webster Cove, with a T-shaped basin in the cove 100 feet wide and 400 feet long; and extension of the basin 200 feet long and 100 feet wide on each side. The total project length is 37 miles and different reaches of the project require dredging each year.

ALLOCATION FOR FY 2014: \$1,485,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,500,000 O: \$0 T: \$1,500,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,500,000 - Funding will provide for the removal of minimal critical shoals through maintenance dredging of the waterway. Channels in the upper river near Salisbury are scheduled for maintenance dredging.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The Wicomico River navigation project serves the Port of Salisbury, third largest port in MD, and provides 10 facilities for grain exports and petroleum imports, which are vital to the economy of the Delmarva Peninsula of DE, MD, VA. The project produces over \$10 million in transportation savings when compared to land based alternatives via congested bridge access. A waterway committee of almost 100 commercial users and interests actively promotes the development and maintenance of this waterway. In 2011 barge traffic provided the Port of Salisbury 1,065,000 tons of commerce consisting of primarily petroleum products. Salisbury also provides shipyard facilities to service and construct barges, tugs, and cruise ships.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$417,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Massachusetts

O&M Justification Sheet

PROJECT NAME: Barre Falls Dam, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1941.

LOCATION AND DESCRIPTION: Barre Falls Dam is located along the Ware River in the Town of Barre, Massachusetts, about 31.9 miles above the confluence of the Swift River. The dam is located about 13 miles northwest of Worcester, Massachusetts. Barre Falls Dam is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with rock slope protection, 885 feet long with a maximum height of 69 feet; 3 earth-filled dikes with rock and gravel slopes, totaling 3,215 feet in length; an uncontrolled ogee weir spillway, 60 feet wide with a maximum discharge capacity of 16,300 cubic feet per second; and a 9.7-foot diameter horseshoe-shaped outlet conduit with 2 control gates. The reservoir provides flood storage capacity of 24,000 acre-feet to control runoff from its net drainage area of 55 square miles. Construction of the dam and appurtenant structures was initiated in May 1956 and completed in May 1958.

ALLOCATION FOR FY 2014: \$777,150

BUDGETED AMOUNT FOR FY 2015: M: \$395,000 O: \$715,000 T: \$1,110,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$994,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes a required five year cycle Periodic Inspection of the project (\$105,000), ten year cycle Period Assessment of the project (\$75,000), inspection of project bridges (\$10,000), replacement of log boom (\$160,000) and rebuilding of Limitorque (\$140,000).

RC: \$50,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintain project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 82,000 visitors each year.

H: N/A

EN: \$66,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 557 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$53.2 million in flood damages since placed in service in 1958.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$18,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Birch Hill Dam, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Birch Hill Dam is located along the Millers River, 27.3 miles above its junction with the Connecticut River. The dam lies about 1.3 miles east of South Royalston, Massachusetts and 7.5 miles northwest of Gardner, Massachusetts. Birch Hill Dam is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with an impervious core and rock slope protection, 1,400 feet long with a maximum height of 56 feet; an uncontrolled ogee weir spillway, a total of 1,190 feet wide with a maximum discharge capacity of 56,600 cubic feet per second; and 4 rectangular outlet conduits with 8 control gates. The reservoir provides a flood storage capacity of 49,900 acre-feet, to control runoff from its net drainage area of 175 square miles. Construction of the dam and appurtenant structures was initiated in June 1940 and completed in February 1942.

ALLOCATION FOR FY 2014: \$780,120

BUDGETED AMOUNT FOR FY 2015: M: \$190,000 O: \$661,000 T: \$851,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$611,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases, as well as maintenance service contracts for snow and debris removal, and vegetation control. Funding also includes updating the gatehouse electrical to including lightning and ground protection (\$40,000).

RC: \$50,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 272,000 visitors yearly.

H: N/A

EN: \$190,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. Funding also includes investigation of 3 historical and 1 pre-historical sites (\$100,000). The project consists of 4,394 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Birch Hill Dam and the Winchenden Dike portion of the project were assigned Dam Safety Assurance Classification (DSAC) ratings of III in September and November 2009 (respectively). The principle issues at the dam are seepage and seismic, the issue at the dike is seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented \$78.2 million in flood damages since placed in service in 1942.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$99,300. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Birch Hill Dam, Massachusetts

O&M Justification Sheet

PROJECT NAME: Buffumville Lake, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1941.

LOCATION AND DESCRIPTION: Buffumville Lake is located along the Little River, about 1.3 miles upstream from its confluence with the French River and about 8 miles northeast of Southbridge, Massachusetts. The project is located in the Towns of Oxford and Charlton, Massachusetts. Buffumville Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Thames River Basin. The project consists of an earth-filled dam with stone slope protection, 3,255 feet long with a maximum height of 66 feet; an earth-filled dike with stone slope protection, a total length of 610 feet and a maximum height of 15 feet; an uncontrolled ogee weir spillway, 220 feet wide with a maximum discharge capacity of 29,800 cubic feet per second; and 3 rectangular outlet conduits with 1 control gate. The reservoir provides a flood storage capacity of 12,720 acre-feet to control runoff from its net drainage area of 26.5 square miles. Construction of the dam and appurtenant structures was initiated in September 1956 and completed in June 1958.

ALLOCATION FOR FY 2014: \$594,000

BUDGETED AMOUNT FOR FY 2015: M: \$171,000 O: \$581,000 T: \$752,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$641,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes a required five year cycle Periodic Inspection of the project (\$105,000) and a required 10 year cycle Periodic Assessment (\$75,000).

RC: \$72,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 237,000 visitors each year.

H: N/A

EN: \$39,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 480 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$128.6 million in flood damages since placed in service in 1958.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$16,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Cape Cod Canal, Massachusetts

AUTHORIZATION: Rivers and Harbors Acts of 1927, 1935, 1945 and 1958; and amended by the Public Works Administration Program in 1933 and 1935, the Permanent Appropriations Repeal Act of 1934, and the Emergency Relief Program in 1935. The canal was purchased from the Boston, Cape Cod and New York Canal Company in accordance with a contract dated 29 July 1921.

LOCATION AND DESCRIPTION: The Cape Cod Canal is located about 50 miles south of Boston, Massachusetts and extends across a narrow neck of land joining Cape Cod to the mainland. The project provides for a channel 32 feet deep and 540 to 800 feet wide extending about 17.5 miles from deep water in Buzzards Bay to deep water in Cape Cod Bay. The project also includes navigation improvements in East Boat Basin and Onset Bay, and construction of two high-level highway bridges and a vertical lift railroad bridge, which cross the canal. Major rehabilitation of the Bourne and Sagamore Highway Bridges was completed in 1965 and 1980 respectively. Major rehabilitation of the vertical-lift railroad bridge was completed in 2004.

ALLOCATION FOR FY 2014: \$9,735,660

BUDGETED AMOUNT FOR FY 2015: M: \$8,842,000 O: \$6,732,000 T: \$15,574,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$12,886,000 – Provides for minimal routine essential operation and maintenance of the Cape Cod Canal Project, including the canal, two highway bridges and vertical-lift Railroad Bridge. These funds are also being used to perform required inspection of the Sagamore Highway Bridge, including underwater inspection (\$360,000) and an underwater inspection of the Railroad Bridge (\$60,000), as well as dredging the Canal (\$2,100,000), and Painting the Railroad Bridge (\$3,680,000).

N-SUS15: This package provides for the implementation of 2013 energy audit identified HVAC and building envelope energy conservation measures (ECMs) that will reduce the maintenance facility energy usage and costs (\$600,000). HVAC and Building Envelope ECM's were combined in order to optimize energy-saving benefits from this project. 2/

FRM: N/A

RC: \$2,412,000 – Provides for minimal normal operation and maintenance of recreation facilities at the Cape Cod Canal. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 2,951,000 visitors each year.

H: N/A

EN: \$276,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands; including vegetation plantings, wildlife habitat preservation and managing nature trails. Funding also provides for updating of Project Master Plan (\$120,000). The project consists of 1,655 fee owned acres of land.

WS: N/A

OTHER INFORMATION: The Bourne and Sagamore Highway Bridges are the only two vehicular accesses from mainland Massachusetts to Cape Cod and are crossed by nearly 40 million vehicles annually. In 2011, waterborne commerce totaled 7.8 million tons.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$647,500. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Cape Cod Canal, Massachusetts

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

PROJECT NAME: Charles River Natural Valley Storage Areas, Massachusetts

AUTHORIZATION: Authorized by the Water Resources Development Act of 1974.

LOCATION AND DESCRIPTION: The Charles River is located in eastern Massachusetts and extends inland about 80 miles from Boston Harbor southwesterly towards the Massachusetts and Rhode Island state line. The watershed covers approximately 307 square miles and project lands are located in 16 communities. The project provides for Federal acquisition and perpetual protection of 17 crucial natural valley storage areas totaling 8,115 acres in the middle and upper portion of the watershed. These areas provide natural flood storage to minimize the potential of flood losses within the watershed. Land acquisition began in May 1977 and was completed in September 1983.

ALLOCATION FOR FY 2014: \$297,990

BUDGETED AMOUNT FOR FY 2015: M: \$45,000 O: \$587,000 T: \$632,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$185,000 – Provides for minimal routine essential operation and maintenance activities necessary to project the 17 natural valley storage areas from encroachment. Activities include data collection, environmental compliance, boundary surveys and real estate inspections.

RC: \$41,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities including maintaining project trails for visitor safety. The project provides recreation opportunities to an average of 183,000 visitors per year.

H: N/A

EN: \$406,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of the project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. Funds also include completion of a forest cover survey (\$60,000) and updating the Project Master Plan (\$220,000). The project consists of 3,221 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$3.2 million in flood damages since completed in 1983.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$28,500. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be use to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Charles River Natural Valley
Storage Areas, Massachusetts

O&M Justification Sheet

PROJECT NAME: Conant Brook Dam, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1960.

LOCATION AND DESCRIPTION: Conant Brook Dam is located along Conant Brook, a tributary of Chicopee Brook, about 2 miles southeast of the Town of Monson, Massachusetts, in Hampden County. Conant Brook Dam is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with rock slope protection, 1,050 feet long with a maximum height of 85 feet; an earth-filled dike 980 feet in length; an uncontrolled ogee weir spillway, 100 feet wide with a maximum discharge capacity of 10,750 cubic feet per second; and a 36-inch diameter outlet conduit. The reservoir provides a flood storage capacity of 3,740 acre-feet, to control runoff from its net drainage area of 7.8 square miles. Construction of the dam and appurtenant structures was initiated in June 1964 and completed in December 1966.

ALLOCATION FOR FY 2014: \$311,850

BUDGETED AMOUNT FOR FY 2015: M: \$70,000 O: \$195,000 T: \$265,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$195,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes.

RC: \$51,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 16,000 visitors each year.

H: N/A

EN: \$19,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. The project consists of 469 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Conant Brook Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of III in September 2009. The principle issue is seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$3.4 million in flood damages since placed in service in 1966.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$9,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be use to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: East Brimfield Lake, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1941.

LOCATION AND DESCRIPTION: East Brimfield Lake is located along the Quinebaug River, about 64.5 miles upstream from its confluence with the Shetucket River. The project is located in the Towns of Holland, Sturbridge and Brimfield, Massachusetts. The project is part of a comprehensive system of flood control projects designed to protect life and property within the Thames River Basin. The project consists of an earth-filled dam with stone slope protection, 520 feet long and a maximum height of 55 feet; an uncontrolled ogee weir spillway, 75 feet wide with a maximum discharge capacity of 15,520 cubic feet per second; and a 10.5-foot diameter horseshoe-shaped outlet conduit with 2 control gates. The reservoir provides flood storage capacity of 32,220 acre-feet to control runoff from its net drainage area of 67.5 square miles. Construction of the dam and appurtenant structures was initiated in May 1958 and completed in June 1960.

ALLOCATION FOR FY 2014: \$548,510

BUDGETED AMOUNT FOR FY 2015: M: \$171,000 O: \$527,000 T: \$698,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$613,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events and preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required five year cycle Periodic Inspection of the project (\$105,000), required ten year cycle Periodic Assessment of the project (\$75,000) and inspection of project bridges (\$10,000).

RC: \$50,000 – Provides for minimal routine operation and maintenance activities necessary to support recreation facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. Project provides recreation opportunities to an average of 62,000 visitors each year.

H: N/A

EN: \$35,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 2,070 fee owned acres of land.

WS: N/A

OTHER INFORMATION: East Brimfield Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of III in November 2009. The principle issue is seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$129.0 million in flood damages since placed in service in 1960.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$18,500. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

East Brimfield Lake, Massachusetts

O&M Justification Sheet

PROJECT NAME: Hodges Village Dam, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1941.

LOCATION AND DESCRIPTION: Hodges Village Dam is located along the French River, about 15 miles upstream from its confluence with the Quinebaug River. The project is located in the Town of Oxford, Massachusetts. Hodges Village Dam is part of a comprehensive system of flood control projects designed to protect life and property within the Thames River Basin. The project consists of an earth-filled dam with stone slope protection, 2,140 feet long and a maximum height of 54.5 feet; 4 earth-filled dikes with stone slope protection, a total length of 2,560 feet and a maximum height of 16 feet; an uncontrolled ogee weir spillway, 125 feet wide with a maximum discharge capacity of 25,800 cubic feet per second; and 2 rectangular outlet conduits with 2 control gates. The reservoir provides a flood storage capacity of 13,250 acre-feet to control runoff from its net drainage area of 31.1 square miles. Construction of the dam and appurtenant structures was initiated in March 1958 and completed in December 1959. Major rehabilitation of the dam was completed in July 2000.

ALLOCATION FOR FY 2014: \$622,710

BUDGET FOR FY 2015: M: \$146,000 O: \$556,000 T: \$702,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$594,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and preserve project infrastructure. Activities include data collection, environmental compliance, project inspections, patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required five year cycle Periodic Inspection of the project (\$105,000), inspection of project bridges (\$4,000), and flushing and automating relief wells (\$35,000).

RC: \$69,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 193,000 visitors each year.

H: N/A

EN: \$39,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 867 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project prevented an estimated \$153.6 million in flood damages since placed in service in 1959.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$34,500. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Knightville Dam, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Knightville Dam is located along the Westfield River, about 27.5 miles above its junction with the Connecticut River and approximately 4 miles north of Huntington, Massachusetts. Knightville Dam is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with an impervious core and rock slope protection, 1,200 feet long with a maximum height of 160 feet; an uncontrolled ogee weir spillway, 400 feet wide with a maximum discharge capacity of 83,000 cubic feet per second; and a 16-foot diameter outlet conduit with 3 control gates. The reservoir provides a flood storage capacity of 49,000 acre-feet to control runoff from its net drainage area of 162 square miles. Construction of the dam and appurtenant structures was initiated in August 1939 and completed in December 1941.

ALLOCATION FOR FY 2014: \$666,270

BUDGETED AMOUNT FOR FY 2015: M: \$142,000 O: \$447,000 T: \$589,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$494,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes updating the gatehouse electrical system (\$39,000).

RC: \$50,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 42,000 visitors each year.

H: N/A

EN: \$45,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 2,430 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$335.9 million in flood damages since placed in service in 1941.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$49,800. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Littleville Lake, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1958.

LOCATION AND DESCRIPTION: Littleville Lake is located along the Middle Branch of the Westfield River, about one mile above its confluence with the main stem of the Westfield River and two miles north of Huntington, Massachusetts. Littleville Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with an impervious core and rock slope protection, 1,360 feet long and a maximum height of 164 feet; an earth-filled dike 935 feet in length; an uncontrolled ogee weir spillway, 400 feet wide with a maximum discharge capacity of 92,000 cubic feet per second; an 8-foot diameter horseshoe-shaped outlet conduit with 2 control gates for flood control; and a 4-foot diameter outlet conduit with 1 butterfly and 6 sluice gates for water supply. The reservoir provides a flood storage capacity of 32,400 acre-feet to control runoff from its net drainage area of 52.3 square miles. Construction of the dam and appurtenant structures was initiated in June 1962 and completed in September 1965.

ALLOCATION FOR FY 2014: \$754,380

BUDGETED AMOUNT FOR FY 2015: M: \$60,000 O: \$569,000 T: \$629,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$529,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes dam safety studies and evaluations (\$110,000).

RC: \$50,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 33,000 visitors each year.

H: N/A

EN: \$46,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 1,567 fee owned acres of land.

WS: \$4,000 – Provides for minimal routine operation and maintenance activities relating to water supply. This work includes additional operation of the gates for water releases during low flow periods of time and coordinating with local entities pertaining to these releases.

OTHER INFORMATION: Littleville Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of III in March 2009. The principle issue is seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$148.6 million in flood damages since placed in service in 1965.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$63,100. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Littleville Lake, Massachusetts

O&M Justification Sheet

PROJECT NAME: New Bedford Hurricane Barrier, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1958.

LOCATION AND DESCRIPTION: The New Bedford Hurricane Barrier is located in Buzzards Bay in southeastern Massachusetts, along the north shore of Clark Cove and at the mouth of New Bedford Harbor. The project is located in the Cities of New Bedford and Fairhaven, Massachusetts. The project consists of an earth-filled dike, which extends 4,500 feet across New Bedford and Fairhaven Harbor in the vicinity of Palmer Island, with a 150-foot wide gate opening to accommodate navigation. The project also includes an earth-filled dike extension, 3,600 feet long, which protects the western waterfront, as well as 5,800 feet of earth dike to protect Clark Cove and 3,100 feet of earth dike to protect Fairhaven. Project construction was completed in January 1966. The project is operated and maintained by the City of New Bedford, with the exception of the navigation gate, which is operated and maintained by the Corps of Engineers.

ALLOCATION FOR FY 2014: \$979,660

BUDGETED AMOUNT FOR FY 2015: M: \$358,000 O: \$206,000 T: \$564,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$564,000 – Provides for minimal routine essential operation and maintenance activities necessary to operate the gates and protect life and property in downtown New Bedford and Fairhaven during coastal flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and gate operation. Funding also includes rehabilitation of conduit gates and wiring (\$135,000).

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$24.7 million in flood damages since placed in service in 1966.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY 2014 for this project is \$54,200. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Tully Lake, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Tully Lake is located along the East Branch of the Tully River, about 3.9 miles above its junction with the Millers River. The project is located in the Town of Royalston, Massachusetts. Tully Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with an impervious core and rock slope protection, 1,570 feet long and a maximum height of 62 feet; an uncontrolled ogee weir spillway, 255 feet wide with a maximum discharge capacity of 32,700 cubic feet per second; and a 6-foot diameter outlet conduit with 2 control gates. The reservoir provides a flood storage capacity of 22,525 acre-feet to control runoff from its net drainage area of 50 square miles. Construction of the dam and appurtenant structures was initiated in March 1947 and completed in September 1949.

ALLOCATION FOR FY 2014: \$785,070

BUDGETED AMOUNT FOR FY 2015: M: \$146,000 O: \$527,000 T: \$673,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$547,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintaining service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required inspection of project bridges (\$7,000).

RC: \$61,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 119,000 visitors each year.

H: N/A

EN: \$65,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 1,258 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$28.2 million in flood damages since placed in service in 1949.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for use on this project is \$7,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: West Hill Dam, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1944.

LOCATION AND DESCRIPTION: West Hill Dam is located along the West River in Massachusetts, about three miles above its confluence with the Blackstone River and 2.5 miles northeast of Uxbridge, Massachusetts. West Hill Dam is part of a comprehensive system of flood control projects designed to protect life and property within the Blackstone River Basin. The project consists of an earth-filled dam with rock slope protection, 2,400 feet long and a maximum height of 48 feet; 4 earth-filled dikes with rock and gravel slopes, totaling 1,910 feet in length; an ogee weir spillway, 50 feet long with a maximum discharge capacity of 8,900 cubic feet per second; and 3 rectangular outlet conduits. The reservoir provides a flood storage capacity of 12,440 acre-feet to control runoff from its net drainage area of 27.9 square miles. Construction of the dam and appurtenant structures was initiated in June 1959 and completed in June 1961. Construction of recreational facilities was completed in June 1967. Major rehabilitation of the dam was completed in July 2003.

ALLOCATION FOR FY 2014: \$698,000

BUDGETED AMOUNT FOR FY 2015: M: \$164,000 O: \$478,000 T: \$642,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$508,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required inspection of project bridges (\$8,000).

RC: \$83,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintenance of project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 73,000 visitors each year.

H: N/A

EN: \$51,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 557 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$96.7 million in flood damages since placed in service in 1961.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$34,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Westville Lake, Massachusetts

AUTHORIZATION: Authorized by the Flood Control Act of 1941

LOCATION AND DESCRIPTION: Westville Lake is located along the Quinebaug River, about 56.7 miles upstream from its confluence with the Shetucket River. The project is located in the Towns of Sturbridge and Southbridge, Massachusetts. Westville Lake is part of a comprehensive system of flood control projects designed to protect life and property within the Thames River Basin. The project consists of an earth-filled dam with stone slope protection, 560 feet long and a maximum height of 78 feet; an uncontrolled ogee weir spillway, 200 feet wide with a maximum discharge capacity of 24,500 cubic feet per second; and 3 rectangular outlet conduits with a control gate. The reservoir provides a flood storage capacity of 11,100 acre-feet to control runoff from its net drainage area of 99.5 square miles. Construction of the dam and appurtenant structures was initiated in April 1960 and completed in August 1962.

ALLOCATION FOR FY 2014: \$599,940

BUDGETED AMOUNT FOR FY 2015: M: \$176,000 O: \$483,000 T: \$659,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$551,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required five year cycle Periodic Inspection for project (\$93,000).

RC: \$66,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 64,000 visitors each year.

H: N/A

EN: \$42,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 578 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Westville Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of I in May 2009. The principle issue is seepage. The rating of I is defined as Urgent and Compelling (Unsafe). Dam Safety Construction funds are currently being used to study the seepage at the dam. Project has prevented an estimated \$53.7 million in flood damages since placed in service in 1962.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$42,600. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

New Hampshire

O&M Justification Sheet

PROJECT NAME: Blackwater Dam, New Hampshire

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Blackwater Dam is located along the Blackwater River, about 8.2 miles upstream from its junction with the Contoocook River. The project is located in the Towns of Webster and Salisbury, New Hampshire. Blackwater Dam is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Merrimack River Basin. The project consists of an earth-filled dam with rock slope protection, 1,650 feet long with a maximum height of 28 feet; an uncontrolled ogee weir spillway, 240 feet wide with a maximum discharge capacity of 32,800 cubic feet per second; and 4 rectangular outlet conduits with 4 control gates, one of which is plugged. The reservoir provides a flood storage capacity of 46,000 acre-feet to control runoff from its net drainage area of 128 square miles. Construction of the dam and appurtenant structures was completed in November 1941.

ALLOCATION FOR FY 2014: \$725,670

BUDGETED AMOUNT FOR FY 2015: M: \$180,000 O: \$492,000 T: \$672,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$525,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes.

FRM-SUS15: \$38,000 Sustainability funding will be used to replace gatehouse windows and furnace to improve energy efficiency. 2/

RC: \$51,000 – Provides for minimal routine operation and maintenance activities necessary to support the project's recreational facilities. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 12,000 visitors each year.

H: N/A

EN: \$96,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 3,580 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$77.5 million in flood damages since placed in service in 1941.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$41,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: North Atlantic

District: New England

Blackwater Dam, New Hampshire

O&M Justification Sheet

PROJECT NAME: Edward McDowell Lake, New Hampshire

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Edward MacDowell Lake is located along Nubanusit Brook, a tributary of the Contoocook River. The project is located in the Towns of Peterborough, Hancock, Dublin and Harrisville, New Hampshire. Edward MacDowell Lake is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Merrimack River Basin. The project consists of an earth-filled dam with rock slope protection, 11,000 feet long with a maximum height of 67 feet; an uncontrolled ogee weir spillway, 100 feet wide with a maximum discharge capacity of 16,600 cubic feet per second; and a 7-foot square outlet conduit with 3 control gates. The reservoir provides a flood storage capacity of 12,800 acre-feet to control runoff from its net drainage area of 44 square miles. Construction of the dam and appurtenant structures was initiated in March 1948 and completed in March 1950.

ALLOCATION FOR FY 2014: \$573,280

BUDGETED AMOUNT FOR FY 2015: M: \$427,000 O: \$470,000 T: \$897,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$762,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding also includes repairing cracks on gatehouse (\$70,000), repaving and drainage improvements to dam crest road (\$100,000), repairing spalling of concrete on wing walls (\$60,000), replacing stormwater drainage pipe (\$20,000) and painting of flood gate (\$60,000).

RC: \$73,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 144,000 visitors each year.

H: N/A

EN: \$62,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 1,194 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Edward MacDowell Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of II in September 2009. The principles issues are stability and seepage. The rating of II is defined as Urgent (Unsafe or Potentially Unsafe). Project has prevented an estimated \$20.8 million in flood damages since placed in service in 1950.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$78,800. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Franklin Falls Dam, New Hampshire

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Franklin Falls Dam is located along the Pemigewasset River, about 2.5 miles upstream of Franklin, New Hampshire, in the Towns of Franklin, Hill, Bristol, Sanborton and New Hampton, New Hampshire. The project is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Merrimack River Basin. The project consists of an earth-filled dam with rock slope protection, 1,740 feet long with a maximum height of 140 feet; an uncontrolled ogee weir spillway, 546 feet wide with a maximum discharge capacity of 243,000 cubic feet per second; and a 22-foot diameter horseshoe-shaped outlet conduit with 4 control gates. The reservoir provides a flood storage capacity of 154,000 acre-feet to control runoff from its net drainage area of 1,000 square miles. Construction of the dam and appurtenant structures was completed in October 1943.

ALLOCATION FOR FY 2014: \$854,370

BUDGETED AMOUNT FOR FY 2015: M: \$245,000 O: \$553,000 T: \$798,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$642,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintaining service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes replacing wire ropes and gate hoists (\$40,000), and required inspection of project bridges (\$34,000).

FRM-SUS15: Replace project windows with energy efficient windows (\$50,000) 2/

RC: \$78,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities. Activities include maintaining project trails and other recreation areas for visitor safety. Project provides recreation opportunities to an average of 101,000 visitors each year.

H: N/A

EN: \$78,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. The project consists of 3,897 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Franklin Falls Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of III in March 2009. The principle issues are overtopping and seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$178.4 million in flood damages since placed in service in 1943.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$26,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

PROJECT NAME: Hopkinton-Everett Lakes, New Hampshire

AUTHORIZATION: Authorized by the Flood Control Act of 1938.

LOCATION AND DESCRIPTION: Hopkinton Lake is located along the Contoocook River, about 17.3 miles upstream of its junction with the Merrimack River and one-half mile upstream from the Village of West Hopkinton, New Hampshire. Everett Lake is located along the Piscataquog River, about 16 miles upstream of its junction with the Merrimack River and about 1.3 miles southeast of the Village of East Weare, New Hampshire. Hopkinton-Everett Lakes are operated as part of a comprehensive system of flood control projects designed to protect life and property within the Merrimack River Basin. Hopkinton Lake consists of an earth-filled dam with rock slope protection, 790 feet long with a maximum height of 76 feet; 4 earth-filled dikes with a total length of 16,300 feet; an uncontrolled ogee weir spillway, 300 feet wide with a maximum discharge capacity of 135,000 cubic feet per second; and three 11-foot square outlet conduits with 6 control gates. Everett Lake consists of an earth-filled dam with rock slope protection, 2,000 feet long with a maximum height of 115 feet; an uncontrolled ogee weir spillway, 175 feet wide with a maximum discharge capacity of 68,000 cubic feet per second; and an 8-foot diameter outlet conduit with 3 control gates. The two reservoirs provide a total flood storage capacity of 92,500 acre-feet to control runoff from their net drainage areas of 446 square miles. Construction of the dams were completed in December 1962.

ALLOCATION FOR FY 2014: \$1,387,980

BUDGETED AMOUNT FOR FY 2015: M: \$315,000 O: \$1,055,000 T: \$1,370,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$987,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes.

FRM-SUS15: Funding includes replacing project office air conditioning (\$12,000) and upgrading gatehouse lighting (\$8,000) in support of the energy sustainability program. 2/

RC: \$174,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The projects provide recreation opportunities to an average of 178,000 visitors each year.

H: N/A

EN: \$209,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. Funding includes completing a wetland delineation (\$32,000). Projects consist of 7,992 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Everett Dam and Dikes P1 and P2 portions of the project were assigned Dam Safety Assurance Classification (DSAC) ratings of III in March 2009. The principle issue for both the dam and dikes is seepage. The rating of III is defined as High Priority (Conditionally Unsafe). Projects have prevented an estimated \$217.1 million in flood damages since placed in service in 1962.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$82,400. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

PROJECT NAME: Otter Brook Lake, New Hampshire

AUTHORIZATION: Authorized by the Flood Control Act of 1954

LOCATION AND DESCRIPTION: Otter Brook Lake is located along Otter Brook, about 4.9 miles upstream from its junction with the Ashuelot River. The project is located in the Town of Keene, New Hampshire. Otter Brook Lake is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with an impervious core and rock slope protection, 1,288 feet long with a maximum height of 133 feet; an uncontrolled ogee weir spillway, 145 feet wide with a maximum discharge capacity of 40,000 cubic feet per second; and a 6-foot diameter horseshoe-shaped outlet conduit with 3 control gates. The reservoir provides a flood storage capacity of 18,320 acre-feet to control runoff from its net drainage area of 47.2 square miles. Construction of the dam and appurtenant structures was initiated in September 1956 and completed in August 1958. Major rehabilitation of the dam involving construction of a new concrete spillway weir using mechanical fuse plugs was completed in June 2006.

ALLOCATION FOR FY 2014: \$657,360

BUDGETED AMOUNT FOR FY 2015: M: \$269,000 O: \$609,000 T: \$878,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$750,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes required inspection of project bridges (\$11,000), repair of log boom and removal of trees on upstream end of approach channel (\$50,000) and scheduling of jacking of fusegates (\$150,000).

RC: \$87,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreation facilities at the project. Activities include maintenance of project trails and recreation areas for visitor safety. The project provides recreation opportunities to an average of 77,000 visitors each year.

H: N/A

EN: \$41,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 458 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$43.1 million in flood damages since placed in service in 1958.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$24,700. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Surry Mountain Lake, New Hampshire

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Surry Mountain Lake is located along the Ashuelot River, about 34.6 miles upstream from its junction with the Connecticut River and 5 miles north of Keene, New Hampshire. The project is located in the Towns of Surry and Gilsum, New Hampshire. Surry Mountain Lake is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with an impervious core and rock slope protection, 1,800 feet long with a maximum height of 86 feet; an uncontrolled ogee weir spillway, 338 feet wide with a maximum discharge capacity of 50,000 cubic feet per second; and a 10-foot diameter horseshoe-shaped outlet conduit with 2 control gates. The reservoir provides a flood storage capacity of 33,000 acre-feet to control runoff from its net drainage area of 100 square miles. Construction of the dam and appurtenant structures was initiated in August 1939 and completed in October 1941.

ALLOCATION FOR FY 2014: \$656,370

BUDGETED AMOUNT FOR FY 2015: M: \$258,000 O: \$456,000 T: \$714,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$562,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes.

RC: \$84,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 108,000 visitors each year.

H: N/A

EN: \$68,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. Funding includes a dwarf wedge mussel study and inventory (\$12,000). The project consists of 1,695 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$105.1 million in flood damages since placed in service in 1941.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$29,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

New Jersey

O&M Justification Sheet

PROJECT NAME: Barnegat Inlet, New Jersey

AUTHORIZATION: HD 73-19 as modified by HD 74-85, HD 79-358 and Supplemental Appropriations Act of 1985

LOCATION AND DESCRIPTION: The project is located on the Atlantic coast of New Jersey about 33 miles north of Atlantic City. The project consists of 2 jetties (north and south), a navigation channel 300-foot wide and 10-foot deep, a channel extending from the gorge in the inlet to Oyster Creek Channel to deep water in Barnegat Bay. Oyster Creek Channel is maintained at 8 feet deep and 200 feet wide. Project length is 4.5 miles.

ALLOCATION FOR FY 2014: T: \$765,800

BUDGETED AMOUNT FOR FY 2015: M: \$420,000 O: \$0 T: \$420,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$420,000. Funds will be used to perform minimal critical maintenance dredging of the inlet channel two times per year with Government Plant from SAW and perform channel exams.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: This project is valuable to the nation because it provides a safe, reliable, and efficient navigation channel for one of the most dangerous inlets on the east coast. The US Coast Guard designates this Inlet as a "Surf Station", requiring special qualifications for their rescuers due to the hazardous category of the inlet. The Coast Guard is located on the waterway and must have a reliable channel to fulfill their Homeland Security requirements and conduct critical life safety and search and rescue operations. They have conducted over 1,150 assistance/rescue cases and saved numerous lives. A safe navigation channel through the inlet is critical to the large Fishing Fleet which consists of full-time commercial vessels, charter and recreational vessels and contributes \$30 million of economic value to the nation and over \$25 million per year in direct fish value (NMFS data, 2012). This Inlet requires dredging at least two times a year with the Government dredge Currituck to keep a minimum channel open for navigation and to prevent closure.. Additional dredging operations are required to increase the percentage of channel availability and maintain a safe channel. Material dredged from the inlet is beneficially used by placing material in the near-shore zone in support of the Federal beach-fill project along Long Beach Island.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$162,615. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Cold Spring Inlet, New Jersey

AUTHORIZATION: HD 59-338 as modified by HD 77-262

LOCATION AND DESCRIPTION: Cold Spring Inlet connects the New Jersey Intracoastal Waterway with the Atlantic Ocean at Cape May, NJ. The project provides for 2 jetties; an entrance channel 25 feet deep and 400 feet wide from the ocean to 500 feet harbor-ward of the end of the jetties; and a channel 20 feet deep and 300 feet wide from the entrance channel to deep water in Cape May Harbor. Project length is about 2.25 miles.

ALLOCATION FOR FY 2014: T: \$371,250

BUDGETED AMOUNT FOR FY 2015: M: \$375,000 O: \$0 T: \$375,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$375,000. Funds will be used to perform channel exams and minimal critical maintenance dredging by Government plant, at least twice per year.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: : This project is valuable to the nation because it provides a safe, reliable, and efficient navigation channel for the largest Fishery Landing in New Jersey (the 13th largest in the U.S.), contributing \$81 million annually in direct fish value (NMFS, 2012) and over \$300 million of economic value to the nation each year. The Inlet also serves the only U.S. Coast Guard enlisted training base in the U.S. The Coast Guard Station Cape May is also located on the waterway and must have a reliable channel to fulfill their Homeland Security requirements and conduct critical life-safety, search and rescue operations. The USCG has conducted 1,155 assistance/rescue cases and saved 4 lives. Keeping the Inlet clear of obstructions and safe for navigating within dangerous tidal currents is critical to the mission of the Coast Guard cutters and other vessels that use the inlet. Shoaling in the entrance channel requires dredging at least twice a year to maintain authorized depths. Material dredged from the inlet is beneficially used by placing material in the near-shore zone in support of the adjacent Federal beach-fill project along Cape May.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$74,456. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Delaware River in the Vicinity of Camden, New Jersey

AUTHORIZATION: The existing project, which is a modification to the Delaware River from Philadelphia to the Sea project, was adopted as House Document No. 63-1120 in 1919 and modified by House Document No. 70-111 in 1930 and House Document No. 77-353 in 1945. Section (3a) of the Water Resources Development Act of 1988 authorized the modification of the existing Delaware River in the Vicinity of Camden, New Jersey project. The project document referenced in the authorizing legislation is House Document 100-167 (Delaware River, Philadelphia to Wilmington, Pennsylvania and Delaware). Federal participation in the latest modification work (to 40') within Beckett Street Terminal was accomplished as a result of the project sponsor furnishing assurances of compliance with Section 221 of the Flood Control Act of 1970 (Public Law 91-611) and, entering into a Local Cooperation Agreement as per the Water Resources Development Act of 1986 (PL 99-662).

LOCATION AND DESCRIPTION: This project is located adjacent to the east channel edge of the Delaware River, Philadelphia to Sea project at Camden Marine and Beckett Street Terminals in Camden, New Jersey

ALLOCATION FOR FY 2014 T: \$14,850

BUDGETED AMOUNT FOR FY 2015: M: \$0 **O:** \$15,000 **T:** \$15,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$15,000 Funds will be used to monitor the project.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The existing project, for which there is Federal interest and local support, provides a 40-foot deep, irregular but generally trapezoidal shaped access channel to Berths #3 and #4 at Beckett Street Terminal. This channel provides access from the 40' x 400' wide east channel of the Delaware River "Philadelphia to the Sea" project. The approach channel has lengths of 4,560 feet along the east edge of the Delaware River Shipping Channel and 1,630 feet along the west edge of the berthing area at the Beckett Street Terminal. The width of the channel varies from 1410 feet to 1660 feet. The approach angle is 45 degrees from the south and the departure angle is 45 degrees to the north.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$33,369. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Delaware River Philadelphia to the Sea, NJ, PA & DE

AUTHORIZATION: HD 61-733 and modified by HD 71-304, River and Harbors Committee DOC 73-5, SD 75-159, HD 76-580, HD 77-340, HD 83-358 and HD 85-185

LOCATION AND DESCRIPTION: The Delaware River Philadelphia to the Sea federal navigation project is 102 miles long, extending from Allegheny Avenue, Philadelphia, southward to the entrance of Delaware Bay. Annual maintenance dredging is performed to maintain current authorized depth of 40 feet.

ALLOCATION FOR FY 2014: \$19,547,550

BUDGETED AMOUNT FOR FY 2015: M: \$18,445,000 O: \$2,000,000 T: \$20,445,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$20,445,000. Funds will be used for condition surveys, critical annual unit price contract maintenance dredging, maintenance dredging with Dredge McFarland (40 training days), instrumentation reading, dredge material containment facility maintenance and dike construction, groundwater monitoring, leased equipment contracts, and real estate coordination.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: This is a 40-foot deep draft project, provides safe navigation for large vessels that provide access to the fifth largest port complex in the United States, handling over 120 million tons of high value cargo per year to the nation and \$3.5 billion into the regional economy. The port area is home to the largest petrochemical complex on the east coast with seven oil refineries. These refineries along the Delaware River provide 75% of the East Coast capacity, or a capability of processing 1.1 million barrels per day. The port provides more than 54,000 high paying jobs in the area. This project is designated as one of the nation's Strategic Military Ports.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$354,096. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Manasquan River, New Jersey

AUTHORIZATION: HD 70-482 as modified by HD 77-356 and PL 99-662

LOCATION AND DESCRIPTION: The Manasquan River project connects the New Jersey Intracoastal Waterway with the Atlantic Ocean. This navigation project provides for 2 jetties; a channel 14 feet deep and 250 feet wide from the ocean to the inner end of the north jetty; and a channel 12 feet deep and 100 to 300 feet wide extending to within 300 feet of the railroad bridge. Project length is 1.5 miles.

ALLOCATION FOR FY 2014: T: \$311,850

BUDGETED AMOUNT FOR FY 2015: M: \$370,000 O: \$0 T: \$370,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$370,000. Funds will be used to perform channel exams, critical minimal maintenance dredging by Government plant, twice per year, and to monitor the project.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: This project is valuable to the nation because it provides a safe, reliable, and efficient navigation channel for a critical inlet in the state of New Jersey. Each year thousands of boats pass through the Inlet generating millions of dollars of business and commerce. Both recreational and commercial fishermen heavily use the Inlet generating over \$128 million of economic value to the nation and over \$22 million in direct fish value annually (NMFS, 2012). During summer months, at least 500 boats pass through the Inlet each day (USCG, 2010). The US Coast Guard Station, Manasquan is located on the waterway and must have a reliable channel to fulfill their Homeland Security requirements and conduct critical life-safety, search and rescue operations. Depending on sequence of beachfill operations to the north, the inlet should be dredged approximately two times per year to provide a safe navigation channel. Material dredged from the inlet is beneficially used by placing material in the near shore zone in support of the adjacent Federal beach-fill project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$32,284. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: New Jersey Intracoastal Waterway, New Jersey

AUTHORIZATION: HD 76-133, as modified by PL 99-662

LOCATION AND DESCRIPTION: New Jersey Intracoastal Waterway navigation project extends 117 miles from the Manasquan River to Delaware Bay and is used by commercial as well as recreational vessels. The project includes the Point Pleasant Canal and related structures and the Cape May Canal with related structures including two rubble-mound jetties at the entrance to the Delaware Bay.

ALLOCATION FOR FY 2014: T: \$957,400

BUDGETED AMOUNT FOR FY 2015: M: \$260,000 O: \$0 T: \$260,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$260,000. Funds will be used to perform channel exams, monitor and communicate project performance to the USCG and public, oversee and execute real estate instruments and overall project management of the 117 miles of waterway.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This project is valuable to the nation because it provides a safe, reliable, and efficient navigation channel for the East Coast's largest and 5th most valuable commercial fishing fleet in the U.S. (Cape May/Wildwood) and nine U.S. Coast Guard Stations including the only USCG enlisted training base in the country (Cape May). The USCG must have a reliable channel to fulfill their Homeland Security requirements and conduct search and rescue operations. Other commercial users are head-boats and tour-boats that operate over various portions of the waterway. The Delaware River and Bay Authority operates a ferry service between Cape May, NJ and Lewes, DE and the ferries dock in the Cape May Canal. Almost 1.5 million passengers and \$17.2 million in revenues are dependent on maintenance dredging to keep the four vessels operating. Discontinuance of this ferry service would result in vehicle detours of 183 miles. The South Jersey economy is heavily dependent on recreational and commercial fishing and tourism, and these industries rely on the maintained channels of the NJIWW. As funding permits, periodic maintenance dredging removes the most critical shoals in the waterway including those at the Cape May Canal entrance to the Delaware Bay. Material placement is coordinated with the State of NJ and used beneficially (shore protection and ecosystem restoration) where possible.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$164,827. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Newark Bay, Hackensack and Passaic Rivers, NJ

AUTHORIZATION: Adopted 1922, modified 1943, 1954, 1964, 1966, 1975 and 1985.

LOCATION AND DESCRIPTION: Newark Bay is an estuary about 1.25 miles wide and 6 miles long extending southerly from the confluence of the Hackensack and Passaic Rivers to the New York and New Jersey channels. Newark Bay contains the Port Newark/Elizabeth Marine terminal operated by the Port Authority of NY & NJ. The subject of this fact sheet is the 40 and 45 foot depth projects within the Newark Bay, primarily the port channels. The channels authorized to a 40 Ft. depth of the federal project are Port Newark (PN) channel, the Port Newark Pierhead (PNPH) channel and a section of Main channel. The Elizabeth channel is authorized to a depth of 45 deep.

CONFERENCE AMOUNT FOR FY 2014: T: \$4,950,000 2/

BUDGETED AMOUNT FOR FY 2015: M: \$300,000 **O:** \$0 **T:** \$300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$300,000

Funds will be used for engineering and design for the next dredging maintenance cycle.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION:

IWR WCS 05 reports over 33 Million tons per year of bulk cargo, including 5.5 Million tons of petroleum products. Other major commodities include coal, food products, manufactured goods and equipment, vehicles, and crude materials. Project is cost shared with the Port Authority of NY/NJ.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$396,423 As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Passaic River Flood Warning Systems, NJ

AUTHORIZATION: The Water Resources Development Act of 1976 authorized the study of the Passaic flooding problem. The Water Resources Development Act of 1990 authorized the recurring operational and maintenance costs for the computerized flood warning system.

LOCATION AND DESCRIPTION: Passaic Basin, Northern New Jersey. The Basin has a history of significant chronic flooding. The system provides critical rain and stream gage information for weather forecasts and warnings; immediate information access by first responders for mitigation action; a network to receive instantaneous watches/warnings; and a forum of quarterly meetings for multi-agency coordination. The system integrates information flow and flood mitigation activities for multi-level response from federal, state, and local agencies, including five New Jersey counties and 12 high-risk municipalities.

ALLOCATION FOR FY 2014: T: \$598,950

BUDGETED AMOUNT FOR FY2015: M: \$0 O: \$617,000 T: \$617,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0

FRM: \$617,000

Funds will be used to maintain existing stream and rain gauges to ensure they are fully functional and reporting accurate data for use by Emergency Management Offices and the public. Funds will also be used to repair or replace damaged equipment as required and to provide user training and coordination. The efforts are important to provide accurate and timely reports and affect intergovernmental coordination and emergency planning. The net result is a reduced threat to life and property in the event of serious flooding.

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: This critical Flood Warning System is operated and maintained through an agreement with other federal and state agencies; specifically the U.S. Geological Survey, and the New Jersey Department of Environmental Protection.

Historical background of the Passaic Flood Warning System: Upon completion of the construction of the PFWS in the late 1980's, the local sponsor (NJDEP) became responsible for the O&M of the system however, several issues led Congress to enact legislation (through WRDA 1992) to return ownership and O&M responsibilities to USACE (with a provision for 100% Federal funding, O&M). USACE in partnership with the US Geological Survey are responsible for the operation and maintenance of the system as well as the day-to-day operations.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$828. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Raritan River to Arthur Kill Cut-Off, NJ

AUTHORIZATION: The Federal navigation project for Raritan River to Arthur Kill Cut-Off Channel, New Jersey was adopted in 1935.

LOCATION AND DESCRIPTION: Project is located in Raritan Bay at the southern tip of Staten Island, NY and Perth Amboy, NJ. The project is located in a busy deep draft commercial harbor and port. The project connects the Raritan River channel with the southern end of the NY&NJ channel. The project provides for a channel 20 feet deep and 800 feet wide approximately 1 mile in length.

ALLOCATION FOR FY 2014: T: \$217,800

BUDGETED AMOUNT FOR FY 2015: M: \$100,000 O: \$0 T: \$100,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$100,000

Funds will be used to complete engineering and design for the next cycle of maintenance dredging including completion analysis of material for acceptability at ocean disposal site (HARS). Plans and Specifications will be completed for the next cycle.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The project is located in a busy deep draft commercial harbor and port. Project is dredged approximately every 10 years. It was last dredged in 2000 with the removal of 154,325 CY of material. Close to two million tons of commodities pass through this waterway annually including tankers drafting up to 20 feet. Half the commodities are petroleum products and the other half is stone and gravel.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,170. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2014 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Raritan River, NJ

AUTHORIZATION: Authorized by the Rivers and Harbors Act of 1919 and subsequently modified by the Rivers and Harbors Acts of 1930, 1937 and 1940.

LOCATION AND DESCRIPTION: Raritan River is located about 24 miles by water south of the Battery, New York City. It joins both Lower Raritan Bay and New York & New Jersey Channels. The existing navigation project provides for a main channel and 25 feet depth. The length is about 13.8 miles.

ALLOCATION FOR FY 2014: T: \$99,000

BUDGETED AMOUNT FOR FY 2015: M: \$40,000 O: \$0 T: \$40,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$40,000

Funds will be used for minimal caretaker activities including preparation of Controlling Depth Reports and condition status communications to stakeholders. The next maintenance cycle for dredging will need to remove the critical shoals affecting navigational safety on this deep draft waterway.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Commerce on the waterway included the fuel oil delivery of the 1.09 million tons of petroleum product of 1.59 tons of thru traffic. Three terminal facilities are located on the Raritan River ship and receive petroleum products by vessel and barge. A total of 11M barrels of petroleum and 3,000,000 tons of commerce are carried by this waterway. The Raritan River waterfront is undergoing revitalization efforts by the county. Risk of oil spills increases if channel is not maintained.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$241,991. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project effort as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Shark River, NJ

AUTHORIZATION: Authorized by the Rivers and Harbors Act of 1945

LOCATION AND DESCRIPTION: Shark River Federal project is located between Avon-by-the-Sea and Belmar, New Jersey. Shark River Federal project is a 1.7 mile coastal inlet and back-bay channel, comprised of a channel 18 feet deep below Mean Low Water (MLW) and 150 feet wide across the bar at the ocean inlet; then decreasing in depth to 12 feet below MLW and width of 100 feet between the ocean and the bay and then 8 ft deep below MLW to the upper limits of the Bay to the Belmar Boat Basin.

ALLOCATION FOR FY 2014: T: \$495,000

BUDGETED AMOUNT FOR FY 2015: M: \$350,000 O: \$0 T: \$350,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$350,000

Funds will be used to monitor channel conditions, publish a Controlling Depth Report, and coordinate with the U.S. Coast Guard and other users of the inlet. Funds will also be used to remove minimal critical Ocean bar and spot shoaling at the dangerous ocean entrance to the inlet.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Providing navigation access is important as the waterway services Shark River lobstering and commercial vessels, a large recreational fishing fleets and over 300 private craft. It is a Critical Harbor of Refuge and an extremely active inlet. Shoaling impedes access for US Coast Guard and recreation boaters to the municipal marinas.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$389,779 As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A.

New York

O&M Justification Sheet

PROJECT NAME: Almond Lake, NY

AUTHORIZATION: Flood Control Act of 22 June 1936, amended by Flood Control Act of 28 June 1938 and described in House Document No. 702, 77th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- Almond Lake is located near Hornell, New York on Canacadea Creek, a tributary of the Canisteo River, which flows into the Chemung River, which flows into the Susquehanna River. The dam is an earthfill structure, 1,260 feet long rising 90 feet above the streambed, with a gated outlet conduit in the left abutment, and a concrete spillway in a natural saddle beyond the left abutment. The reservoir has a storage capacity of 14,800 acre-feet at spillway crest and has an area of 490 acres when filled to that level. The project controls a drainage area of 56 square miles or 36 percent of the watershed of the Canisteo River upstream from Hornell. An additional portion of the watershed is controlled by Arkport Dam. The project forms part of the protection for Hornell, Canisteo, and Addison and reduces flood heights at other localities on the Canisteo and Chemung rivers. Steuben County operates and maintains the Kanakadea Recreation Area under a real estate agreement.

ALLOCATION FOR FY 2014: \$570,240

BUDGETED AMOUNT FOR FY 2015: M: \$99,000 O: \$479,000 T: \$578,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$552,000 - Funding will provide for minimal flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$15,000 - Funding will provide for coordination with the recreation leasee.

H: NA

EN: \$11,000 - Funding will provide minimum natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 300,000. Flood damages prevented through FY2013 are \$143 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$44,400. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the study as follows: N/A

O&M Justification Sheet

PROJECT NAME: Arkport Dam, NY

AUTHORIZATION: Flood Control Act of 22 June 1936, amended by Flood Control Act of 28 June 1938 and described in House Document 702, 77th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- Arkport Dam is located near Hornell, New York on the Canisteo River, a tributary of the Chemung River, which flows into the Susquehanna River. The dam is an earthfill structure, 1,200 feet long, rising 113 feet above the streambed, with a concrete spillway and an ungated outlet in the right abutment. This project is normally a dry dam; however, water is impounded after heavy rains. The project forms part of the protection for Hornell, Canisteo, and Addison, and reduces flood heights at other localities on the Canisteo and Chemung Rivers.

ALLOCATION FOR FY 2014: \$429,660

BUDGETED AMOUNT FOR FY 2015: M: \$67,000 O: \$435,000 T: \$502,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$497,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

REC: NA

H: NA

EN: \$5,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 300,000. Flood damages prevented through FY2013 are \$49 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$28,600. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Bay Ridge and Red Hook Channels, NY

AUTHORIZATION: River and Harbor Act of 1890 modified 1894, 1896, 1905, 1909, 1910 and 1930.

LOCATION AND DESCRIPTION: A channel, 40 ft. deep, of the following widths: 1,200 ft. from the Narrows to Bay Ridge Avenue, Brooklyn, thence 1,750 ft. to the junction of Bay Ridge and Red Hook Channels, and thence 1,200 ft. through Red hook Channel to its junction with Buttermilk Channel. In the entrance to Gowanus Creek, the width narrows uniformly to 500 ft. at 28th Street, Brooklyn. Length – about 4.0 miles.

ALLOCATION FOR FY 2014: \$297,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,050,000 O: \$0 T: \$4,050,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,050,000 Funds will be used for engineering and design to complete Plans and Specs and award maintenance dredging contract for critical shoals near South Brooklyn Marine Terminal.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION:

Over 1,000 vessel trips carrying over 2 million tons pass through this busy high use commercial channel connecting New York Harbor with the Brooklyn piers. Traffic includes receipt of foreign freight traffic of primarily cocoa beans and coffee as well as well as domestic receipt of petroleum products and crude materials.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$89,265. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Buttermilk Channel, NY

AUTHORIZATION: River and Harbor Act of 1902 modified 1935 & 1962.

LOCATION AND DESCRIPTION: The project is located in NY harbor and provides for a channel 1000 feet wide; 500 feet wide and 40 feet deep along the easterly side and 500 feet wide and 35 feet deep along the westerly side with suitable widening at the junctions with the East River and Anchorage Channels; additional width of 2,100 feet to a depth of 35 feet at the junction with Anchorage and Red Hook Channels. The total length of the project is approximately 2.3 miles

ALLOCATION FOR FY 2014: \$396,000

BUDGETED AMOUNT FOR FY 2015: M: \$300,000 O: \$0 T: \$300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$300,000 Perform E&D, including Sampling and Testing and initial Plans and Specification for planned FY16 maintenance dredging of this critical deep draft commercial channel. Provide stakeholders updated information on condition of the federal channel.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION:

The project supports deep-draft commercial navigation to the Port of New York and New Jersey, and access to numerous commercial locations. The channel is dredged, at different locations on a 5-year cycle. In preparation for any future maintenance, sampling and testing needs to take place several years in advance.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$19,905. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: East River, NY

AUTHORIZATION: Rivers and Harbors Act of 1869 and subsequently modified by the River and Harbors Act of 1877, 1899, 1916, 1922 and 1970.

LOCATION AND DESCRIPTION: East River is located to the east of Manhattan, NY. East River Navigation project is a main channel 16 miles long, 1,000 ft. wide that meanders from the Upper New York Bay to the Long Island Sound. There are three short branch channel off of the main channel; 1) east of Welfare Island, 2) east of South Brother Island, called South Brother Island channel and 3) a channel west of South Brother Island.

ALLOCATION FOR FY2014: \$ 99,000

BUDGETED AMOUNT FOR FY2015: M: \$250,000 O: \$0 T: \$250,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$250,000

Funds will be used to initiate Engineering and Design for the next maintenance dredging cycle and for Caretaker status which includes activities such as: publishing a Controlling Depth Report, monitoring conditions of the Federal channel, and coordinate with Coast Guard and local stakeholders.

FRM: NA

RC: NA

HYD: NA

EN: NA

WS: NA

OTHER INFORMATION: 25 Million tons of through traffic use this channel annually. Two terminal facilities: a Con Edison Electric generating plant and a 1,090 MW Astoria Generating Station receive fuel by vessel for plant consumption. Risk of oil spills if channels not maintained. High shoal rate in channel. Last dredged in FY 06. Testing for ocean disposal required in 2010 for 2011 dredging. Dredging Delay will affect the safe delivery of petroleum products; users will have to travel light-loaded or wait for tides.

1/ Estimated Unobligated "Carry-in" Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$202,298. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2014 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: East Rockaway Inlet, NY

AUTHORIZATION: Authorized by the Rivers and Harbors Act of 1930, Public Law 520, with recommendations contained in House Doc. 19, 71st Congress.

LOCATION AND DESCRIPTION: East Rockaway Inlet is located along the south shore of New York City. The periodic maintenance of the channel is necessary to restore navigational safety to the multiple users of this dynamic, rapidly shoaling inlet where fuel tanker groundings have occurred numerous times during the past decade.

ALLOCATION FOR FY 2014: \$217,800

BUDGETED AMOUNT FOR FY 2015: M: \$220,000 O: \$0 T: \$220,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$220,000

Engineering and Design (including Plans & Specs) to prepare for the next minimal critical dredging cycle and to monitor channel conditions, publish controlling depth reports and coordinate with local interests

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Waterway typically used to transport 150,000 tons of freight, with 72,000 tons of petroleum products annually. Commerce to five fuel oil terminals at Oceanside, Inwood and Lawrence supply industry and home heating fuel to a significant portion of the region's market. Commercial fishing fleet also are located in Oceanside. Delay of dredging affects safe delivery of petroleum products;

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$6,200. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY2015 from prior appropriations for use on this study/project effort is \$0. This amount will be used to perform work on the study as follows: N/A

O&M Justification Sheet

PROJECT NAME: East Sidney Lake, NY

AUTHORIZATION: Flood Control Act of 22 June 1936, amended by Flood Control Act of 28 June 1938 and described in House Document No. 702, 77th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- East Sidney Lake is located on Ouleout Creek, about 5 miles above the confluence of the creek with the Susquehanna River near Unadilla, NY. The dam is a combined earthfill and concrete gravity type structure; 2,010 feet long, rising 146 feet from firm rock and 130 feet above the streambed, with a spillway and five gate-controlled outlets in the concrete section. The reservoir has a storage capacity of 33,550 acre-feet at spillway-crest and has an area of 1,100 acres when filled to that level. The project controls a drainage area of 102 square miles, 5 percent of the watershed of the Susquehanna River upstream from Binghamton, NY, exclusive of the separately controlled Chenango River. The project forms part of the protection for Binghamton, and it reduces flood heights throughout the Susquehanna River basin. The Town of Sidney, NY operates and maintains the East Sidney Recreation Area under a real estate agreement.

ALLOCATION FOR FY 2014: \$675,180

BUDGETED AMOUNT FOR FY 2015: M: \$141,000 O: \$556,000 T: \$697,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$665,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$19,000 - Funding will provide for coordination with the recreation leasee.

H: NA

EN: \$13,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 305,000. Flood damages prevented through FY2013 are \$285 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$38,400. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Fire Island Inlet to Jones Inlet, NY

AUTHORIZATION: Adopted by the Rivers and Harbors Act of 1958 and subsequently modified by the Rivers and Harbors Acts of 1962.

LOCATION AND DESCRIPTION: Fire Island Inlet is located approximately 40 miles east of the Battery, NYC. This 1.8 mile project provides for a channel 14 feet deep (MLW) and connects the Great South Bay with the Atlantic Ocean. This is a multi-purpose project combining navigation and beach erosion control, with the placement of sand on the beach being subject to local cost shared funds.

ALLOCATION FOR FY 2014: \$0

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$100,000 T: \$100,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$100,000 Caretaker status to monitor channel conditions, publish Controlling Depth Reports and coordinate with USCG and local stakeholders.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION:

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$68. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Flushing Bay and Creek, NY

AUTHORIZATION: Rivers and Harbors Act of 1902 and subsequently modified by the Rivers and Harbors Act of 1935 and 1962.

LOCATION AND DESCRIPTION: The project is located in NY harbor and provides for a channel 1000 feet wide; 500 feet wide and 40 feet deep along the easterly side and 500 feet wide and 35 feet deep along the westerly side with suitable widening at the junctions with the East River and Anchorage Channels; additional width of 2,100 feet to a depth of 35 feet at the junction with Anchorage and Red Hook Channels. The total length of the project is approximately 2.3 miles

ALLOCATION FOR FY 2014: \$0

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$50,000 T: \$50,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$50,000 Caretaker status to monitor channel conditions, publish Controlling Depth Reports, estimate incremental volumes and coordinate with local partners.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Channel is 15 deep and 300 wide extending from East River 1.7 miles into Flushing Bay. There the channel narrows to 200 and extends another 1.2 miles upstream. Includes a 15 deep maneuvering area and a 6 deep 84 acre anchorage area

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$202,298. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Glen Cove Creek, NY

AUTHORIZATION: Adopted 1888 modified 1895

LOCATION AND DESCRIPTION: A channel 8 ft deep and 100 feet wide extending approx 1 mile from deep water in Hempstead Harbor to the head of navigation at the City of Glen Cove.

ALLOCATION FOR FY 2014: \$0

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$20,000 T: \$20,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$20,000 Caretaker - Monitor conditions and coordinate survey as appropriate

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION:

This is a shallow draft low use navigation channel.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$76,544. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Great Kills Harbor, NY

AUTHORIZATION: Adopted 1927, modified 1938

LOCATION AND DESCRIPTION: A channel, 10 ft. deep, 150 ft wide, from deep water in Lower New York Bay to the entrance of the harbor in the vicinity of the present westerly end of Crooks Island, thence of same depth and width along the west side of the harbor. Length – about 1.9 miles.

ALLOCATION FOR FY 2014: \$0

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$30,000 T: \$30,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$30,000 Caretaker - Monitor conditions and coordinate survey as appropriate

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION:

Great Kills Harbor is a shallow draft navigation channel on the east side of Staten Island, NY. The project contains a protected anchorage that is a harbor of refuge during severe storms. It was last dredged in 2013/14.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$16,268. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Hudson River Channel, NY

AUTHORIZATION: Rivers and Harbors Acts of 1913 and modified in 1917 and 1937

LOCATION AND DESCRIPTION: A channel 45 ft. deep, suitably widened at bends, from deep water in Upper New York Bay to W. 40th St., Manhattan, and thence 48 ft. deep, 2,000 ft. wide to 59th St. Length – about 6 miles. A channel 40 ft. deep for the full width of the river, extending from deep water in Upper New York Bay off Ellis Island to W. 59th St., Manhattan. Length – about 6 miles. A channel, 30 ft. deep, 750 ft. wide, along the Weehawken-Edgewater waterfront. Length – about 5 miles.

ALLOCATION FOR FY 2014: T: \$247,500

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$50,000 T: \$50,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$50,000

Funds will be used for preliinary engineering and design for future maintenance dredging cycle and for caretaker activities which includes: monitoring conditions of the Federal channel, publishing a Controlling Depth Report, and coordination with USCG and local stakeholders.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION:

Serves the NYC Passenger Ship Terminal, from which 12 cruise lines serve over 887,000 passengers per year (P&O Ports) also key segment in the Hudson River channel to Port of Albany, NY. Cruise Industry contributes about \$800 Million to NYS economy and in 2004, 3300 jobs. Deep Draft. Aircraft carrier and support vessels periodically use the area. Serves the Intrepid Museum area, which hosts visiting naval vessels from US and other nations as National showcase; also key segment in the Hudson River channel to Port of Albany, NY. Deep Draft

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,863,125. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$1,863,125. This amount remaining from the Department of Defense Appropriations Act, 2008 will be used in future fiscal years for expenses relating to dredging of the project.

O&M Justification Sheet

PROJECT NAME: Hudson River, NY (Maintenance)

AUTHORIZATION: House Document 719, 81st Congress, 2nd Session (Jun 1910) and modified by House Document 350, 88th Cong., 1st Session (Mar 1925); House Document 210, 70th Cong., 1st Session (Jul 1930); SD 155, 72nd Cong., 2nd Session (Aug 1935); House Document 572, 75th Cong., 3rd Session (Jun 1930); and PL 780, 83rd Cong., 2nd Session (Sep 1954).

LOCATION AND DESCRIPTION: The Hudson River, New York federal navigation project consists of a channel approximately 155 miles in length extending from New York City, N.Y. to its upstream terminus at Waterford, N.Y. The Hudson River Maintenance project provides for maintenance of the 32 feet deep navigation channel extending approximately 145 miles from New York City to Albany, N.Y.; thence 27 feet deep approximately 1000 feet; continuing with a 14 feet deep navigation channel extending approximately 10 miles upstream from Albany to the New York State Barge Canal System at Waterford, N.Y.

ALLOCATION FOR FY 2014: \$2,079,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,000,000 O: \$1,200,000 T: \$5,200,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,200,000 Funds will be used to dredge the more critical shoaled areas within the length of the Hudson River project. Requested funds are essential to assure the safe and economic transit of ships calling on the Ports of Albany and Coeymans along with other port facilities located on the river between NYC and Albany, N.Y. Shoaling at several areas has necessitated draft restrictions and required limiting/stopping deep draft vessel transits during low tide. The funding will also be used for channel maintenance activities and for channel surveys of most shoals along the river, and reporting to the U.S. Coast Guard and other agencies and stakeholders, to ensure river pilots and vessel operators have updated information and proper buoy placement for safe navigation. A portion of the funding will also be used for PED and environmental coordination activities to prepare an EA and obtain required water quality certification and clearances so that maintenance dredging may proceed without delays.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The project is a high use, deep draft projects that supports in excess of 2.5 Billion system-ton-miles of cargo annually. The channel is dredged, at different locations, on an annual or bi-annual basis. Shoaling has necessitated the Hudson River Pilots Association to place draft restrictions and to stop deep draft vessel transits during periods of low tide.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 carried into FY 2014 for this project is \$3,296,121. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on the work described above is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New York

Hudson River, NY (Maint)

O&M Justification Sheet

PROJECT NAME: Hudson River, NY (O&C)

AUTHORIZATION: House Document 719, 81st Congress, 2nd Session (Jun 1910) and modified by House Document 350, 88th Cong., 1st Session (Mar 1925); House Document 210, 70th Cong., 1st Session (Jul 1930); SD 155, 72nd Cong., 2nd Session (Aug 1935); House Document 572, 75th Cong., 3rd Session (Jun 1930); and PL 780, 83rd Cong., 2nd Session (Sep 1954).

LOCATION AND DESCRIPTION: The Hudson River, New York federal navigation project consists of a channel approximately 155 miles in length extending from New York City, N.Y. to its upstream terminus at Waterford, N.Y. The Hudson River O&C project provides for operation and care of the Troy Lock and Dam located on the Hudson River, Troy, New York approximately 2.5 miles below the upstream limit of the Hudson River Federal Navigation Channel at Waterford, N.Y.

ALLOCATION FOR FY 2014: \$2,079,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,500,000 T: \$2,500,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,500,000 Funds will be used to operate the navigation lock at the approved minimum level of service and to perform maintenance essential to meeting operational, safety, environmental and security requirements. The Troy Lock provides the navigation link between the Atlantic Ocean and the economically important New York State Canal System (57 locks, 524 miles of waterways). The lock supports commercial traffic, tour boats, international and long distance recreational vessels, etc. Requested funds will also be used to perform PED for critical repairs to lock miter gate anchorage components.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The project is a low commercial use, shallow draft project that provides the navigation link between the Atlantic Ocean and the economically important (\$376 million annual benefits) New York State Canal System (57 locks, 524 miles of waterways).

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$714,785. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on the work described above is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Jamaica Bay, NY

AUTHORIZATION: Rivers and Harbors Act of 1910 and subsequently modified by the Rivers and Harbors Act of 1945 and 1950.

LOCATION AND DESCRIPTION: Jamaica Bay federal navigation channel/Rockaway Inlet is located along the south shore of New York City. The entrance channel only is approximately 2 miles in length and is the gateway to the Jamaica Bay Wildlife Reserve.

ALLOCATION FOR FY 2014: T: \$99,000

BUDGETED AMOUNT FOR FY 2015: M: \$220,000 O: \$0 T: \$220,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$220,000

Funds will be used to coordinate channel conditions with stakeholders and prepare for the next maintenance dredging cycle for this important project.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The Jamaica Bay navigation channel provides for the safe delivery for approximately 700,000 tons of petroleum products and it also supports the sewage sludge transportation from two New York City water pollution control plants. In addition to navigation benefits, maintenance dredging of federal navigation channel in the past has provided sand for beneficial use in marsh island restoration and beach replenishment in and around the Jamaica Bay Wildlife Complex, including marshlands, and other beneficial use sites.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$144,372. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriation for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: New York and New Jersey Channels, NY

AUTHORIZATION: Rivers and Harbors Act of 1922; then modified in 1933, 1935, 1950, 1965 and 1985

LOCATION AND DESCRIPTION: A channel 37 ft. deep, in rock and 35 ft. deep in soft material, with widths varying between 500 to 800 feet wide through Lower New York Bay, Raritan Bay and Arthur Kill passing north of Shooters Island and protected by a dike on its northern side to the junction of the channel into Newark Bay; under the Kill Van Kull Newark Bay Channel, New York and New Jersey authorized for deepening to 45 feet (47 feet in rock) and 800 ft. wide from the vicinity of Shooter Island and junction with Newark Bay through the Kill Van Kull to Constable Hook; thence 1,300 ft. wide from a point opposite the east end of Constable Hook to a point near the intersection along the New Jersey Pierhead line and thence 3,070 ft. wide through Kill Van Kull to Upper New York Bay with suitable easing of the bends and junctions. Length – about 31.0 miles; two anchorages 38 ft. deep to accommodate 5 vessels each, one in the vicinity of Sandy Hook and the other south of Perth Amboy; two secondary channels 30 ft. deep and 400 ft. wide, one south of Shooters Island and the other in Raritan Bay connecting with Raritan River, have been completed under previous projects and are maintained under the project. A local cooperation agreement was signed on 30 May 1986 with the Port Authority of New York and New Jersey for the Kill Van Kull, Newark Bay deepening project.

ALLOCATION FOR FY 2014: T: \$7,310,310

BUDGETED AMOUNT FOR FY 2015: M: \$450,000 **O:** \$0 **T:** \$450,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$450,000 Funds will be used for engineering and design for the next significant dredging cycle, prepare controlling depth reports and communication of risk to stakeholders. Failure to implement the project means more vessel calls will be required to handle the cargo volume passing through the Port of NY and NJ and greater potential navigational safety concerns

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: . IWR WCS 2010 rpts 117.7 Million tons of thru traffic, including petroleum products (74.7 million tons), chemical products, manufactured goods, ore, scrap, food and farm products. Over 100 fuel terminals (IWR Port Series, 2000). Perth Amboy Anchorage provides secure holding site for vessels by USCG. Last maintenance dredging in FY13-14.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$506,471. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: New York & New Jersey Harbor, New York and New Jersey

AUTHORIZATION: Supplemental Appropriations Act of 1985, Water Resources Development Acts of 1986, 1996, 1999, and 2000

LOCATION AND DESCRIPTION: The Port of New York and New Jersey is located within the bi-state NY/NJ Harbor Estuary. The constructed Federal navigation channels within the NY & NJ Harbor project include: Ambrose Channel; Anchorage Channel; Kill Van Kull; portions of Newark Bay Channel and Arthur Kill Channel; and Port Jersey Channel. The New York and New Jersey Harbor, NY and NJ, project was constructed to the following depths: Ambrose Channel to 53 feet MLW; the Anchorage Channel, Kill Van Kull, Newark Bay, Port Jersey Channel, and the Arthur Kill Channel to Howland Hook to 50 feet MLW or 52 feet MLW, if in rock or otherwise hard material.

ALLOCATION FOR FY 2014: \$99,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$100,000 T: \$100,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$100,000

Caretaker status to monitor channel conditions, publish Controlling Depth Reports, estimate incremental volumes of maintenance material, and coordinate with local partners.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The Port of NY&NJ is the largest container Port on the east coast and critical to both the national and regional economy, with goods arriving in the Port distributed to over 100 million people. There is a critical and urgent need for 50 ft channels depths to allow the safe & efficient use of Port by post-Panamax containerships, which dominate container operations worldwide. USCG facility utilizes project channels. The construction phase of the overall \$2.7 billion project is nearing completion. This O&M effort prepares for the future project operation, and maintenance dredging of the completed deepened channel elements.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New York

New York & New Jersey Harbor, NY and NJ

O&M Justification Sheet

PROJECT NAME: New York Harbor, NY (Prevention of Obstructive Deposits)

AUTHORIZATION: Harbor Supervision Act (June 29, 1888) (33 U.S.C. 441-453)

LOCATION AND DESCRIPTION: New York & New Jersey Harbor-Estuary, including adjacent and tributary waters, and Long Island Sound. This continuing maintenance project under the enforcement and compliance authority provided to the District Engineer as the Supervisor of the Harbor (33 U.S.C. 451b) involves the detection, investigation, and prevention of hazards and obstructions to navigation, including failing piers and bulkheads which are the key source of drift and debris. This project provides for investigating deteriorating structures so that the responsible owner can be found and made to eliminate the hazard, or potential hazard, to safe navigation before it becomes a Federal cost. The U.S. Attorney's Office of the Department of Justice brings cases in Federal Court when needed to have the responsible party correct and remove the hazard.

ALLOCATION FOR FY 2014: \$1,089,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,045,000 T: \$1,045,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,045,000

Funds will be used to implement inspections, investigations and enforcement actions involving hazards and obstructions to navigation. This reduces overall Federal cost and avoids serious jeopardy to the large volume of commercial and recreational vessel traffic in New York and New Jersey Harbor and its associated channels.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Deep Draft-Commercial-Investigation and prosecution of illegal & unauthorized discharging in Pt of NY and NJ. To implement inspections, investigations, and enforcement actions involving hazards & obstructions to navigation in greater NY&NJ Hbr region. Part of the NY-NJ Hbr Estuary Law Enforcement & Homeland Security Team. Deep Draft: a) Required under legal authority of Sections 13, 15, 16,17,18,19,and 20 of Rivers and Harbors Act of 1899, and the Harbor Supervision Act (33 USC 441-454); b) Approximately 100 new cases per year require investigation and action; c) Corps responsibility to investigate

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$117,825. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New York

New York Harbor (Prevention of
Obstructive Deposits)

O&M Justification Sheet

PROJECT NAME: New York Harbor, NY & NJ (Drift Removal)

AUTHORIZATION: R&H Act of 1915, modified in 1917, 1930, expanded in the WRDA '90.

LOCATION AND DESCRIPTION: New York & New Jersey Harbor-Estuary, including adjacent and tributary waters, and Long Island Sound. Drift collection vessels are used on a daily basis (one vessel works on each weekend day) to collect large floating drift that is a threat to the many deep-draft cargo carriers and petroleum tankers, as well as the growing number of high-speed passenger commuter ferries, cruise ships and recreational vessels. Consistent with WRDA 1990, floatables expanded project authorization; floatables especially those resulting from heavy rain events are simultaneously effectively and efficiently collected with the wooden drift and debris to protect the shoreline and beaches of the harbor-estuary.

ALLOCATION FOR FY 2014: \$9,207,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$9,300,000 T: \$9,300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$9,300,000

Funds will be used to operate and manage the drift collection mission. Drift collection vessels are used on a daily basis (one vessel works on each weekend day) to collect large floating drift that is a threat to the many deep-draft cargo carriers and petroleum tankers, as well as the growing number of high-speed passenger commuter ferries, cruise ships and recreational vessels.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Removal of over 500,000 cubic feet of drift and floatables results in the avoidance of approximately \$25,000,000 of damages to the many cargo vessels, tankers, barges, passenger commuter ferries, cruise ships, and recreational vessels. Consistent with the authorization in WRDA '90, floatables are collected so they do not escape the harbor and pollute the New Jersey and New York bathing beaches.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,384,905. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA.

O&M Justification Sheet

PROJECT NAME: New York Harbor, NY

AUTHORIZATION: R&H Act in 1884, 1910, 1917, 1930, 1935, 1937, 1958, 1965, 1984

LOCATION AND DESCRIPTION: The Historic Area Remediation Site (HARS) is an ocean placement site approximately 16 square nautical miles in area, located in the Atlantic Ocean. This project also includes maintenance of the Main entrance channels and major anchorages in the Port of NY&NJ. Main Ship Channel, 30 ft. deep, 1,000 ft. wide, extending from Bayside Channel to deep water in the Lower Bay off West Bank Light.

ALLOCATION FOR FY 2014: T: \$7,522,600

BUDGETED AMOUNT FOR FY 2015: M: \$7,413,000 O: \$0 T: \$7,413,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,413,000

Allows management and monitoring of the only long-term disposal site available for Federal and private NY dredging projects, as well as technical studies needed for continued use of the site; preliminary E&D including plans and specifications for Sandy Hook Channel and minimal critical maintenance dredging of this channel within the NY Harbor project will be performed.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION:

New York Harbor contains 5 interconnected but separate channels and two adjacent anchorages all of which are used by international travelers, harbor pilots and coast guard to manage 140 Million tons of commerce per year. Channels and anchorages are maintained alternating years.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,542.109. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Newtown Creek, NY

AUTHORIZATION: Approved by Rivers and Harbors Act 1919, modified in 1930 and 1937.

LOCATION AND DESCRIPTION: Newtown Creek, NY is located between Brooklyn and Queens, NY, east of the East River and extending approx. 2.5 miles to Maspeth Creek and English Kills. It is 23 feet deep and approx. 150 feet wide. A NYCDEP wastewater treatment plant is located along the river as well as many other businesses.

ALLOCATION FOR FY 2014: \$0

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$10,000 T: \$10,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015: Coordination as needed with USEPA and other stakeholders.

N: \$10,000 Caretaker: Participate in interagency coordination meetings with USEPA

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION:

The project supports deep-draft commercial navigation in New York as well as access to numerous commercial businesses along the creek. Due to historical contamination issues, the Creek is a listed Superfund site under the aegis of the USEPA. As a result, the channel has not been dredged in recent decades..

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$145,594. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Shinnecock Inlet, NY

AUTHORIZATION: The Shinnecock Inlet - Federal Navigation Project is authorized by the Rivers and Harbors Act of 1960, in accordance with the recommendations contained in House Document No. 126, 86th Congress, 1st Session.

LOCATION AND DESCRIPTION: Shinnecock Inlet is a coastal inlet located on the South Shore of Long Island, in the Town of Southampton, NY. The existing federal navigation project includes an entrance channel, 10 ft deep (MLW) and 200 ft wide and an inner channel 6 ft deep, 100 ft wide connecting to the Long Island Intracoastal Waterway. It also includes a deposition basin 20 feet deep mean low water (MLW), 600 feet wide and 600 feet long and existing jetties and revetments.

ALLOCATION FOR FY 2014: \$19,800

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$60,000 T: \$60,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$60,000

Caretaker Status. Begin preliminary engineering and design for future maintenance dredging, monitor conditions of the Federal channel and inlet, publish a Controlling Depth Report, and coordinate with Coast Guard and othe local stakeholders.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Second only to Montauk as a NY commercial fishing center with over 10 Million pounds of fish landings per year. Project is also a critical harbor of refuge.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$186,213. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriation for use on this project effort is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Southern New York Flood Control Projects, NY

AUTHORIZATION: Flood Control Act of 22 June 1936, as amended by the Flood Control Act of 28 June 1938, House Document No. 702, 77th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- These 10 projects are located on a number of tributaries of the North Branch of the Susquehanna River in Oxford, Avoca, Binghamton, Canisteo, Corning, Elmira, Hornell, Lisle, Whitney Point Village and Addison, New York. The Southern New York Local Flood Protection Projects provide for a variety of Federally-constructed channels, levees, floodwalls, check dams and other drainage structures and flood protection treatments. The Federal Government retains responsibility for maintenance of at least some portions of these projects based on the authorizing language. Local interests are responsible for the remaining maintenance.

ALLOCATION FOR FY 2014: \$792,000

BUDGETED AMOUNT FOR FY 2015: M: \$300,000 O: \$486,000 T: \$786,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$786,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 100,000. Flood damages prevented through FY2013 are \$1.659 billion.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$125,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Whitney Point Lake, NY

AUTHORIZATION: Flood Control Act of 22 June 1936, amended by Flood Control Act of 28 June 1938 and described in House Document No. 702, 77th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- Whitney Point Lake is located near Whitney Point, New York, on the Otselic River, a tributary of the Tioughnioga River, which discharges into the Chenango River, which discharges into the Susquehanna River at Binghamton, New York. The dam is an earthfill structure, 4,900 feet long, rising 95 feet above the streambed, with a concrete spillway and a gated outlet in the left abutment. The reservoir has a storage capacity of 86,440 acre-feet at spillway crest and will extend about 12 miles upstream when filled to that level. The project controls a drainage area of 255 square miles, the entire watershed of the Otselic River, and 16 percent of the Chenango River watershed upstream from Binghamton. The project forms part of the protection for Binghamton and reduces flood heights on the lower Chenango River and throughout the Susquehanna River Valley downstream from Binghamton. The Broome County Department of Parks and Recreation operates and maintain Dorchester Park under a real estate agreement.

ALLOCATION FOR FY 2014: \$702,900

BUDGETED AMOUNT FOR FY 2015: M: \$255,000 O: \$650,000 T: \$905,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$842,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$35,000 - Funding will provide for coordination with the recreation leasee.

H: NA

EN: \$28,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 300,000. Flood damages prevented through FY2013 are \$720 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 (3011A report) for this project is \$27,700. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the study as follows: N/A

Pennsylvania

O&M Justification Sheet

PROJECT NAME: Alvin R. Bush Dam, PA

AUTHORIZATION: Flood Control Act of 3 September 1954 and described in House Document 29, 84th Congress, 1st Session.

LOCATION AND DESCRIPTION: System Code 0205- Alvin R. Bush Dam is located on Kettle Creek approximately 8.4 miles above the mouth and about 15 miles above Renovo, Pennsylvania, in Clinton County. The earth and rockfill dam has a maximum height of 165 feet above the streambed and a top length of 1,350 feet. The outlet works include a horseshoe-shaped tunnel, 13 feet in diameter, with 3 service gates. The spillway is uncontrolled and located in rock adjacent to the right abutment. The reservoir has a storage capacity of 75,000 acre-feet at spillway crest, and the pool at this elevation extends upstream for a distance approximately 8.8 miles. The permanent pool covers 160 acres and extends for 2.2 miles. The project controls a drainage area of 226 square miles or about 92 percent of the Kettle Creek watershed. The recreation facilities are operated and maintained by the Commonwealth of Pennsylvania, Department of Conservation and Natural Resources as Kettle Creek State Park under a real estate agreement.

ALLOCATION FOR FY 2014: \$692,010

BUDGETED AMOUNT FOR FY 2015: M: \$155,000 O: \$452,000 T: \$607,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$565,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$18,000 - Funding will provide for coordination with the recreation leasee.

H: NA

EN: \$24,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 125,000. Flood damages prevented through FY2013 are \$272 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$85,300. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Aylesworth Creek Lake, PA

AUTHORIZATION: Flood Control Act of 23 October 1962 (PL 87-874) and described in Senate Document 141, 87th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- Aylesworth Creek Lake is located in Archbald Borough, PA on Aylesworth Creek, approximately one mile above its confluence with the Lackawanna River. The earth and rockfill dam has a maximum height above the streambed of 90 feet and a top length of 1,270 feet. An 80-foot-wide spillway, having a discharge capacity of 10,000 cubic feet per second, was cut in the south bank. The outlet conduit is uncontrolled and consists of a 490-foot-long, 36-inch-diameter vitrified clay pipe encased in reinforced concrete. An auxiliary dike was required on the north bank of Aylesworth Creek to prevent flow from the lake into the Mayfield Creek drainage basin during high lake elevations. The dike is 410 feet long and has a maximum height of 28 feet. The reservoir extends about 4,600 feet upstream and inundates 87 acres at spillway crest with an elevation of 1,150 feet above mean sea level. Lackawanna County operates and maintains Aylesworth Park under a real estate agreement.

ALLOCATION FOR FY 2014: \$271,260

BUDGETED AMOUNT FOR FY 2015: M: \$45,000 O: \$234,000 T: \$279,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$249,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$21,000 - Funding will provide for coordination with the recreation leasee.

H: NA

EN: \$9,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 280,000. Flood damages prevented through FY2013 are \$9.5 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$51,300. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Beltzville Lake, Pennsylvania

AUTHORIZATION: This project was authorized via HD 622, 87th Congress, 2nd Session (1962)

LOCATION AND DESCRIPTION: The project is located on Pohopoco Creek, a tributary of the Lehigh River, about 4.5 miles from the confluence with the Lehigh River and 4 miles east of Lehigh, Pennsylvania. Project purposes are flood control, recreation, and water supply. The project was completed in 1971 and consists of a flood control, zoned earth-fill embankment, a controlled outlet works and an open channel emergency spillway. The controlled reservoir capacity is 68,250 acre-feet as a spillway crest, with 1,390 acre-feet of inactive storage, 41,200 acre-feet for water supply, water quality control and recreation. The Corps manages the overlook and visitor center and the lands immediately adjacent to the dam structure. Recreation Facilities: Public-use areas include boat launching, picnicking, bathing beach and sanitary facilities provided by the Corps of Engineers and completed during FY 1972. Recreation available includes swimming, boating, fishing, hunting, and hiking. The Commonwealth of Pennsylvania manages, under leases, the recreation facilities constructed by the Corps and the remainder of the project lands. The Corps manages the overlook and visitor center and the lands immediately adjacent to the dam structure.

ALLOCATION FOR FY 2014: T: \$1,237,500

BUDGETED AMOUNT FOR FY 2015: M: \$660,000 O: \$1,175,000 T: \$1,835,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,815,000 will be used for routine operations and maintenance of the dam and related facilities, including project buildings, grounds and equipment; continuing evaluation data gathering, dam safety efforts, required inspections, real estate, water control and water quality data collection and analysis.

RC: NA

H: NA

EN: \$20,000 will be used to meet the basic stewardship activities at the project. This includes evaluation of improving fee owned land from degraded to transitioning status, review of the status of invasive plant species, threatened and endangered species, and continuation of good stewardship practices. It also includes continued verification of all data related to the level 1 inventory and OMBIL reporting requirements.

WS: NA

OTHER INFORMATION: A Screening for Dam Safety Portfolio Risk Assessment was conducted in 2009 resulting in a Dam Safety Action Classification (DSAC) rating of III for this project. As a result of the DSAC III rating, a draft Interim Risk Reduction Measures Plan (IRRMP) was prepared and will be finalized in FY2014. Seepage analysis conducted in 2012. Periodic Assessment was conducted in FY2013 with draft report due in FY2014. Next intermediate inspection scheduled for calendar year 2016.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$380,987. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: Philadelphia Beltzville Lake, Pennsylvania

O&M Justification Sheet

PROJECT NAME: Blue Marsh Lake, Pennsylvania

AUTHORIZATION: This project was authorized via HD 522, 87th Congress, 2nd Session (1962)

LOCATION AND DESCRIPTION: The project is located on Tulpehocken Creek, a tributary of the Schuylkill River, about 6 miles northwest of Reading, Pennsylvania. Project purposes are flood control, water supply, and recreation. The project was completed in 1980 and consists of a flood control earth and rock fill dam, 1775 ft in length rising 98 ft above the creek bed, with a spillway approximately 1,500 feet south of the dam. The project has capacity of 50,010 acre-feet at spillway crest with 3,000 acre-feet of inactive storage, 14,620 acre-feet for water supply and recreation and 32,390 acre feet for flood control. The facility includes a low level outlet works, the emergency spillway, three high level saddle dikes located in low points in the reservoir rim, and a levee and interior drainage system to protect the settlement of Bernville, northwest of the Blue Marsh Dam.

ALLOCATION FOR FY 2014: T: \$2,850,590

BUDGETED AMOUNT FOR FY 2015: M: \$228,000 O: \$2,442,000 T: \$2,670,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$820,000 will be used for routine O&M which includes the operation buildings, the dam and related structures, grounds & equipment, management of public-use areas such as access roads, parking lots, picnic areas and an overlook area. Other specific work includes continuing evaluation gathering, dam safety efforts, required inspections, real estate (NAB), water-control and water-quality data collection and analysis.

RC: \$1,473,000 will be used for management of eight Project Site Areas; four developed Day Use Areas, one Scenic Viewing Area, three Land Access points as well as multiple small access areas for such activities as picnicking, boating (launching ramps), fishing, hunting, sightseeing, swimming (bathing beach with concession), hiking and various winter sports. Funding also includes contracted Maintenance Tasks, Law Enforcement Agreements, Water Quality analysis, Real Estate Management and Maintenance of Recreation features. Allocated funding will allow the operation of our facilities to meet the needs of 85% of our previous visitation and permit the Corps of Engineers to keep areas open for most of the recreation season.

H: NA

EN: \$377,000 funding will be used to accomplish management of Natural Resources to include; planting native seedlings, creating 25 acre shrub wetland area, plant/maintain 20 acres of food plots, manage 100 acres of upland native grass, coordination of 2800 acres leased to state conservation agency, continue efforts to detect, control and reduce invasive species on 3952 acres of fee lands, inspect 16 miles of boundary line adjacent to residential properties to locate and resolve encroachment issues and continue verification of inventoried resource acreage and for maintenance of Natural Resource Facilities.

WS: NA

OTHER INFORMATION: A Screening for Dam Safety Portfolio Risk Assessment (SPRA) was conducted in 2009 resulting in a Dam Safety Action Classification (DSAC) rating of III for the Blue Marsh project and a DSAC III rating for the Bernville Protective Works. As a result of the DSAC III ratings, an IRRMP will be finalized in FY2014. The Bernville Levee Accreditation as required by FEMA was performed and will be finalized in Dec 2013 with funding from the project. Periodic Assessment should be performed in FY2014. The recreation program at the project attracts almost 900,000 visitors a year, with an economic benefit to the local community of \$9.44 million in visitor spending. The project provides an environmental benefit by protecting 6,162 acres of land and 1,150 acres of water. Over 4,000 educational contacts are made each year.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$280,078. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Cowanesque Lake, PA

AUTHORIZATION: Flood Control Act of 3 July 1958 (PL 85-500), 85th Congress and described in House Document 394, 84th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- Cowanesque Lake is located in Tioga County, PA, on the Cowanesque River approximately 2 miles upstream of the confluence with the Tioga River at Lawrenceville, PA. The embankment consists of earth and rockfill, 3,100 feet in length, rising 151 feet above the streambed, with a 400-foot long spillway in the right abutment. The outlet works consist of an excavated approach channel, a combined intake and gate structure, a 15-foot diameter horseshoe tunnel, and a concrete outlet structure with a stilling basin. A conservation lake is maintained at elevation 1080 NGVD having a surface area of 1090 acres, and a length of 4.2 miles. Seventy-nine percent of the conservation storage space is allocated for water supply storage owned by the Susquehanna River Basin Commission. The Corps operates and maintains three major recreation areas on Cowanesque Lake.

ALLOCATION FOR FY 2014: \$1,950,300

BUDGETED AMOUNT FOR FY 2015: M: \$368,000 O: \$1,492,000 T: \$1,860,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$1,226,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

FRM-SUS15: Funding to prepare an energy and water audit. (\$40,000) 2/

RC: \$578,000 - Funding will provide for operation and maintenance of recreation facilities and services, which includes salaries for permanent and seasonal staff, utilities, supplies and contracts.

RC-SUS15: Funding to replace shower head and water faucet in 6 comfort stations (\$6,000) and replace 4 aging hot water heaters (\$8,000) to reduce water and energy use. 2/

H: NA

EN: \$37,000 - Funding will provide minimum natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: \$19,000 - Funding will provide for water supply coordination.

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 295,000. Flood damages prevented through FY2013 are \$283.5 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$218,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY2015 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY2015.

Division: North Atlantic

District: Baltimore

Cowanesque Lake, PA

O&M Justification Sheet

PROJECT NAME: Curwensville Lake, PA

AUTHORIZATION: Flood Control Act of 3 September 1954 and described in House Document 29, 84th Congress, 1st Session.

LOCATION AND DESCRIPTION: System Code 0205- Curwensville Dam is located on the West Branch Susquehanna River about 0.6 miles upstream from Curwensville, Pennsylvania. The dam is an earthfill structure 2,850 feet long, rising 131 feet above the streambed, with a spillway and a gate-controlled outlet. The reservoir has a storage capacity of 124,200 acre-feet at spillway crest, and extends 14 miles upstream when filled to that level. The Commonwealth of Pennsylvania furnished assurances that it would coordinate the operation of its George B. Stevenson Dam with the operation of Curwensville Dam, Alvin R. Bush Dam, and Foster Joseph Sayers Dam, in order to secure optimum flood control benefits through operation as a system. Fifty-seven percent of the conservation storage space is allocated for water supply storage, owned by the Susquehanna River Basin Commission. Clearfield County operates and maintains the recreation area under a real estate agreement.

ALLOCATION FOR FY 2014: \$794,970

BUDGETED AMOUNT FOR FY 2015: M: \$214,000 O: \$675,000 T: \$889,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$711,000 - Funding will provide for minimal flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$46,000 - Funding will provide for coordination with the recreation leasee.

H: NA

EN: \$111,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: \$21,000 - Funding will provide for water supply coordination.

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 130,000. Flood damages prevented through FY2013 are \$229 million

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$46,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Delaware River, Philadelphia to Trenton, PA & NJ

AUTHORIZATION: The original project was adopted as House Rivers and Harbors Committee Document 71-3 in 1930. Several modifications occurred through the years. The last two, HD 83-358 in 1954 and SD 95-88 in 1976, resulted in the current project operated and maintained by the Government

LOCATION AND DESCRIPTION: The waterway extends from Allegheny Avenue in Philadelphia, PA about 30.5 miles upstream to the Penn Central Railroad Bridge at Trenton, NJ.

ALLOCATION FOR FY 2014: T: \$4,687,650

BUDGETED AMOUNT FOR FY 2015: M: \$4,360,000 O: \$1,050,000 T: \$5,410,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,410,000. Funds will be used to perform channel exams, critical minimal maintenance dredging of the lower reach of the 40' channel utilizing the Dredge McFARLAND (30 training days), dredge material containment facility maintenance activities, and environmental support activities.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Approximately 7,000 vessels transit this deep draft navigation project annually carrying close to 8.5 million tons of various commodities such as steel, petroleum, chemicals, gypsum, fruit and coal. Several major chemical companies, a Hess oil refinery, the National Gypsum Plant and two major deep draft Marine Terminals (Tioga Terminal and the Port of Bucks County) are based along this waterway. The results of an economic impact study for the Port of Bucks County completed in November 2008 indicated that over 9,000 jobs in Pennsylvania and New Jersey are dependent on safe and economical river depths. Furthermore, the Port of Bucks generates a total of \$1.4 billion in total economic activity in the region. Recent channel examinations identify a significant loss of depth along the lower reaches of the 40-foot channel. The failure of the State of New Jersey to provide suitable disposal areas to support maintenance dredging operations along this section of the river has been a longstanding problem. A loss of navigability would have severe impacts on the regional economy.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$308,198. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Foster J. Sayers Dam, PA

AUTHORIZATION: Flood Control Act of 3 September 1954 and described in House Document 29, 84th Congress, 1st Session.

LOCATION AND DESCRIPTION: System Code 0205 - Foster Joseph Sayers Dam is located on Bald Eagle Creek approximately one mile upstream from Blanchard and 14 miles above the mouth at Lock Haven, Pennsylvania. The dam is of earthfill construction with a maximum height of 100 feet above the streambed and a top length of 6,835 feet. It has a gated outlet tunnel for the regulation of flood flows. The spillway, located in rock in a saddle adjacent to the left abutment, is uncontrolled. The reservoir has a storage capacity of 99,000 acre-feet at spillway crest, and will extend upstream for 10.0 miles. The project reduces flood heights on Bald Eagle Creek below the dam and along the West Branch below Lock Haven. The project also maintains a pool of 1,730 acres during the recreation season. The Commonwealth of Pennsylvania furnished assurances that it would coordinate the operation of its George B. Stevenson Dam with the operation of Curwensville Dam, Alvin R. Bush Dam, and Foster Joseph Sayers Dam, in order to secure optimum flood control benefits through operation as a system. The Commonwealth of Pennsylvania, Department of Conservation and Natural Resources (DCNR) operates and maintains the recreation area, Bald Eagle State Park, under a real estate lease.

ALLOCATION FOR FY 2014: \$805,860

BUDGETED AMOUNT FOR FY 2015: M: \$180,000 O: \$1,076,000 T: \$1,256,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$1,128,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: \$21,000 - Funding will provide for coordination with the recreation leasee.

H: NA

EN: \$107,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 125,000. Flood damages prevented through FY2013 are \$212 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$61,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: North Atlantic

District: Baltimore

Foster J. Sayers Dam, PA

O&M Justification Sheet

PROJECT NAME: Francis E. Walter Dam & Reservoir, Pennsylvania

AUTHORIZATION: Parent Project authorized by HD 79-587 (1946), modified by HD 87-522 (1962)

LOCATION AND DESCRIPTION: The project is located on the Lehigh River, just below the mouth of Bear Creek, about 6 miles above White Haven, Pennsylvania and approximately 77 miles above the junction of the Lehigh and Delaware Rivers at Easton, Pennsylvania. Project purposes are flood control and recreation. The project consists of an earth and rock filled dam with a concrete spillway of 139,000 cfs capacity and a gate controlled outlet tunnel of 10,000 cfs capacity. The reservoir capacity is 108,000 acre-feet for flood management with a conservation pool of 2,000 acre-feet capacity. Recreation facilities also include a boat launch area, hiking trails and provision for fishing and hunting. Whitewater and fishing industries in the area utilize dam releases.

ALLOCATION FOR FY 2014: T: \$944,460

BUDGETED AMOUNT FOR FY 2015: M: \$80,000 O: \$836,000 T: \$916,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$855,000 will be used for routine operations & maintenance which includes the operation buildings, the dam and related structures, grounds & equipment, management of public-use areas such as access roads, parking lots, picnic areas and an overlook area. Other specific work includes continuing evaluation gathering, dam safety, real estate, required inspections, water control data collection and analysis, water quality data collection and analysis and implementing Interim Risk Reduction Measures as required.

RC: NA

H: NA

EN: \$61,000 will be use for management of Natural Resource to include continued restoration work on 15 acres of quarried lands including planting grasses, native shrubs & trees. Work will be accomplished by onsite personnel & volunteers. The restored area will provide nesting, feeding, and breeding habitat for resident and migratory aquatic and terrestrial wildlife species utilizing the adjacent wetlands and habitats. The funding also includes timber management, review of the status of invasive plant species, threatened and endangered species, and continuation of good stewardship practices. It also includes continued verification of all data related to the level 1 inventory and OMBIL reporting requirements.

WS: NA

OTHER INFORMATION: A Screening for Dam Safety Portfolio Risk Assessment was conducted in 2006 resulting in a Dam Safety Action Classification (DSAC) rating of III. An Interim Risk Reduction Measures Plan (IRRMP) was prepared in 2010. American Reinvestment and Recovery Act (ARRA) funds in the amount of \$3.7M (Construction General) were used to construct a comprehensive grout curtain improvement in the right abutment of the dam to reduce seepage (2010. Additional piezometers to monitor seepage also installed using ARRA funds. An updated Water Control Manual was finalized in 2012. A Periodic Assessment of the Dam was conducted in 2012. DSAC rating was successfully challenged in 2013 and rating was changed to IV.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$159,229. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic District: Philadelphia

Francis E. Walter Dam & Reservoir, PA

O&M Justification Sheet

PROJECT NAME: General Edgar Jadwin Dam and Reservoir, Pennsylvania

AUTHORIZATION: This project was authorized via HD 113, 80th Congress, 1st Session (1948).

LOCATION AND DESCRIPTION: The project is located in Wayne County, Pennsylvania along the Dyberry Creek, a tributary of the Lackawaxen River, about 3 miles upstream of Honesdale, PA and approximately 30 miles above the junction of the Lackawaxen and Delaware Rivers. This flood risk management project was completed and placed into service in 1960. The facility consists of an earth and rock fill dam with a low-level un-gated outlet works, and an emergency spillway. The dam is 1255 feet long with a top width of 40 feet, and a top elevation of 1082 ft NGVD, approximately 112 feet above the natural streambed. The outlet tunnel has a capacity of 2,500 cfs and the chute-type spillway has a capacity of 69,000 cfs capacity. Reservoir capacity is 24,500 acre-feet for flood control, with no conservation pool. There is no permanent pool and no provisions have been made for recreational use, however, low impact opportunities such as hunting, stream fishing, hiking and bird watching are enjoyed by visitors to the project lands.

ALLOCATION FOR FY 2014: T: \$316,800

BUDGETED AMOUNT FOR FY 2015: M: \$40,000 O: \$260,000 T: \$300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$300,000 will be used for minimal routine operations and maintenance, water control data collection and analysis, real estate, continuing evaluation gathering and dam safety efforts. .

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: A Screening for Dam Safety Portfolio Risk Assessment (SPRA) was conducted in 2009 resulting in a Dam Safety Action Classification (DSAC) rating of II for this project. As a result of the DSAC II rating, a required Interim Risk Reduction Measures Plan (IRRMP) was prepared in FY2012. Intermediate Inspection conducted in FY2013. A periodic inspection/assessment is due to be performed in calendar year 2016.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$96,319. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Prompton Lake, Pennsylvania

AUTHORIZATION: This project was authorized via HD 80-113, 80th Congress (1948), modified by HD 87-522 (1962)

LOCATION AND DESCRIPTION: The project is located on Lackawaxen River within the Borough limits of Prompton, PA, four miles upstream from Honesdale, PA; approximately 30 miles above the confluence of the Lackawaxen and Delaware Rivers. Project purposes are flood control, water supply and recreation. The project consists of a flood control earth and rock filled dam, 140 feet high and 1,226 feet long on the crest. The reservoir has a capacity of 20,300 acre-feet for flood control, 28,000 acre feet of excess storage with a conservation pool of 3400 acre-feet capacity. The project also includes recreational public use facilities maintained by the Corps include access roads, parking lot, sanitary facilities, boat launch, a hiking/nature trail and provision for boating (10 H.P. limit) and fishing.

ALLOCATION FOR FY 2014: T: \$470,250

BUDGETED AMOUNT FOR FY 2015: M: \$35,000 O: \$440,000 T: \$475,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$465,000 will be used for routine operations & maintenance which includes the operation buildings, the dam and related structures, grounds & equipment, management of public-use areas such as access roads, parking lots. Other specific work includes continuing evaluation gathering, dam safety efforts, required inspections, real estate (NAB), water-control and water-quality analyses.

RC: NA

H: NA

EN: \$10,000 will be used to meet basic stewardship activities at the project including evaluation of improving fee owned land from degraded to transitioning status, review of the status of invasive plant species, threatened and endangered species, continuation of good stewardship practices, and continued verification of all data related to the level 1 inventory and OMBIL reporting requirements.

WS: NA

OTHER INFORMATION: The project received a Dam Safety Action Classification (DSAC) III Rating in 2005. FY06 Construction (CG) Funds were used for construction of Phase I of modifications to the dam. These modifications were done to protect the structure and downstream communities from the effects of the estimated Probable Maximum Flood (based on revised criterion since initial construction). Phase I work in the spillway and outlet works was completed in July 2007 and the construction of a crest wall across the top of dam was completed in the spring of 2008. Phase II modifications to the project were completed in July 2012 using American Recovery and Reinvestment Act funds. Phase II modifications included spillway modifications (spillway widening, MSE wall, cut-off wall, control sill, soil nail wall, spillway erosion issues, etc), completion of an access road and bridge over the new spillway and construction of a new Operations building.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$105,685. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Raystown Lake, PA

AUTHORIZATION: Flood Control Act of 23 October 1962 (PL 87-874) and described in House Document 565, 87th Congress, 2nd Session.

LOCATION AND DESCRIPTION: Raystown Lake is located on the Raystown Branch about 5.5 miles upstream from its confluence with the Juniata River. The dam is an earth and rockfill structure with a maximum height of 225 feet and a top length of 1,700 feet. There is a two-bay gated spillway with two tainter gates, 45 feet wide by 45 feet high, to control flood flows. The overflow section is cut through rock in the spur of Terrace Mountain. At the overflow section crest, the reservoir will extend 34 miles to the vicinity of Saxton and inundate 10,800 acres. The recreation lake is 27 miles long and inundates 8,300 acres. The project encompasses 29,700 total acres. The flood control storage available above the elevation of the recreation lake is 248,000 acre-feet. Continental Cooperative Services, of Harrisburg, Pennsylvania constructed a 20 megawatt conventional hydropower facility which uses scheduled water releases from Raystown Dam to produce an average annual output of 77 million kilowatt hours, or enough to supply approximately 7,700 typical rural homes. The Corps of Engineers operates and maintains 12 public access areas. Additionally, there are four recreation real estate concession leases.

ALLOCATION FOR FY 2014: \$4,679,830

BUDGETED AMOUNT FOR FY 2015: M: \$1,222,000 O: \$2,595,000 T: \$3,817,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$1,397,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

FRM-SUS15: \$82,000 Sustainability funds will be used to install ceiling insulation in admin building, main building and restroom facilities and repair potable water line with HDPE piping. 2/

RC: \$1,808,000 - Funding will provide for operation and maintenance of recreation facilities and services, which includes salaries for permanent and seasonal staff, utilities, supplies and contracts.

H: NA

EN: \$612,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 95,000. Flood damages prevented through FY2013 are \$285 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$570,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY/SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY2015 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY2015.

O&M Justification Sheet

PROJECT NAME: Stillwater Lake, PA

AUTHORIZATION: Flood Control Act of 18 August 1941 (Public Law 77-228).

LOCATION AND DESCRIPTION: System Code 0205- Stillwater Lake is located in Susquehanna County on the Lackawanna River four miles north and upstream from Forest City, PA. The dam is an earthfill structure, 1,700 feet long and rises 75 feet above the streambed, with a spillway and gate controlled outlet. The reservoir has a storage capacity of 11,600 acre feet at spillway crest, and controls a drainage area of 36.8 square miles. The project reduces flood heights on the Lackawanna River, downstream of the dam and on the Susquehanna River, downstream from its confluence with the Lackawanna River. Additionally, the Pennsylvania-American Water Company utilizes Stillwater as a source of water supply for the Forest City Water Purification Plant on infrequent occasions. The intake facility is located immediately downstream of the reservoir on the Lackawanna River. The Pennsylvania Fish and Boat Commission operate and maintain a boat launch at the lake under a real estate agreement.

ALLOCATION FOR FY 2014: \$420,750

BUDGETED AMOUNT FOR FY 2015: M: \$85,000 O: \$452,000 T: \$537,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$530,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: NA

H: NA

EN: \$7,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 285,000. Flood damages prevented through FY2013 are \$201 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$60,700. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

O&M Justification Sheet

PROJECT NAME: Tioga-Hammond Lakes, PA

AUTHORIZATION: Flood Control Act of 3 July 1958, (Public Law 85-500), substantially in accordance with House Document 394, 84th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205- The Tioga-Hammond Lakes project is located just upstream of Tioga, Pennsylvania. The Tioga-Hammond Lakes project consists primarily of two separate dams, one on Tioga River, and one on Crooked Creek. Both dams are located approximately two miles upstream of the confluence of the two streams. The lakes are joined by a gated connecting channel in a saddle of the ridge separating the two streams. An uncontrolled spillway in Hammond Dam serves both reservoirs. A gated outlet conduit is provided in the left abutment of Tioga Dam for the control of flows for both reservoirs. Tioga Dam is of earth and rockfill construction, 2,738 feet in length, and has a maximum height of 140 feet above the streambed. Hammond Dam is of earth and rockfill construction, 6,000 feet in length and has a maximum height of 122 feet above the streambed. An additional project feature is the Mansfield local flood protection project which consists of channel improvements, levees, and pumping stations which provide protection to the borough of Mansfield during high water events. The Corps operates and maintains the Ives Run and Lambs Creek recreation areas, as well as two overlooks.

ALLOCATION FOR FY 2014: \$2,274,010

BUDGETED AMOUNT FOR FY 2015: M: \$943,000 O: \$1,349,000 T: \$2,292,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$1,285,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

FRM-SUS15: \$70,000 Sustainability funding will be used to prepare a level 1 energy and water audit. 2/

RC: \$756,000 - Funding will provide for operation and maintenance of recreation facilities and services, which includes salaries for permanent and seasonal staff, utilities, supplies and contracts

REC-SUS15: \$13,000 Sustainability funding will be used to replace showerheads and water faucets in 8 comfort stations and install water heaters in 4 stations to conserve water and energy. 2/

H: NA

EN: \$251,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 300,000. Flood damages prevented through FY2013 are \$539 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$490,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY2015 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY2015.

O&M Justification Sheet

PROJECT NAME: York Indian Rock Dam, PA

AUTHORIZATION: Flood Control Act of 22 June 1936, amended by Flood Control Act of 28 June 1938 and described in House Document No. 702, 77th Congress, 2nd Session.

LOCATION AND DESCRIPTION: System Code 0205 - The protective works for York, Pennsylvania, consist of Indian Rock Dam about 3 miles upstream from York, and channel improvements on Codorus Creek in the city of York. Indian Rock Dam is an earth and rock structure 1,000 feet long rising 83 feet above the streambed, with a side-channel spillway and gated outlet conduit in the right abutment. The normally dry reservoir area has a storage capacity of 28,000 acre-feet at spillway crest and controls a drainage area of 94 square miles. The Codorus Creek project consists chiefly of 22,969 feet of channel improvement including channel widening and deepening, flood walls, levees, protection of bank slopes, and removal of a mill dam which increased channel capacity to 24,000 cubic feet per second. The two components protect the community against flood discharges about 33 percent greater than the record flood of August 1933. Tropical storm Agnes (June 1972) filled the flood control reservoir and produced spillway flow.

ALLOCATION FOR FY 2014: \$715,770

BUDGETED AMOUNT FOR FY 2015: M: \$397,000 O: \$568,000 T: \$965,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$952,000 - Funding will provide for flood risk management operation and maintenance costs, which includes salaries for on-site staff, utilities, supplies, critical stream gages and contracts.

RC: NA

H: NA

EN: \$13,000 - Funding will provide natural resources protection and conservation, eco-system management and meet responsibilities for safety and compliance with natural resources laws and regulations.

WS: NA

OTHER INFORMATION: Operation of the project provides benefit to a population at risk of 20,000. Flood damages prevented through FY2013 are \$54 million.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$122,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Rhode Island

O&M Justification Sheet

PROJECT NAME: Fox Point Hurricane Barrier, Rhode Island

AUTHORIZATION: Authorized by the Flood Control Act of 1958. Section 2866 of the National Defense Authorization Act for Fiscal Year 2007 (PL 109-364, dated October 17, 2006) transferred responsibility of the project to the Corps of Engineers.

LOCATION AND DESCRIPTION: The Fox Point Hurricane Barrier is located across the Providence River in Providence, Rhode Island, about one mile from the downtown area. The barrier is a 700-foot long concrete structure, 25 feet high and contains a 214-foot long pumping station and three 40 foot by 40 foot tainter gates. The pumping station contains five 4,500 horsepower pumps. When closed, the gates prevent entry of tidal floodwaters into the city. The project was completed in 1966 and turned over to the City of Providence to operate and maintain.

ALLOCATION FOR FY 2014: \$1,732,500

BUDGETED AMOUNT FOR FY 2015: M: \$3,539,000 O: \$417,000 T: \$3,956,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: NA

FRM: \$3,956,000 – Provides for minimal routine essential operation and maintenance activities necessary to operate the barrier gates and protect life and property in downtown Providence during coastal flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and gate operation. Funding includes extensive concrete repairs to project structure (\$1,660,000), painting tainter gates (\$1,000,000), replacing tainter gate chains (\$500,000), two sets of surveys to analyze settlement (\$130,000) and required levee safety inspection (\$22,000).

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: In accordance with the National Defense Authorization Act of 2007, O&M responsibility of the project was transferred to the Corps in January 2010. Project has prevented an estimated \$2.5 million in flood damages since placed in service in 1966.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$232,900. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Fox Point Hurricane Barrier,
Rhode Island

O&M Justification Sheet

PROJECT NAME: Woonsocket Local Protection Project, Rhode Island

AUTHORIZATION: Authorized by the Flood Control Act of 1944. Section 2875 of the National Defense Authorization Act for FY 2008 (PL 110-181, dated January 28, 2008) transferred responsibility of the project to the Corps of Engineers.

LOCATION AND DESCRIPTION: The Woonsocket Local Protection Project is located along the Blackstone River in north central Rhode Island, extending about 8,300 feet downstream from the Massachusetts state line to Woonsocket Falls Dam in the center of Woonsocket. The project was authorized by the Flood Control Act of 1944 and completed in April 1960. The project was turned over to the City of Woonsocket to operate and maintain in accordance with the Assurance Agreement dated 8 May 1963. Project consists of widening, deepening and straightening of the river channel for a distance of 8,300 feet upstream of Woonsocket Falls Dam, along with construction of a pumping station, 1,115 feet of earth dike and 316 feet of concrete floodwall. The project included replacement of the Woonsocket Falls Dam with a concrete overflow structure 266 feet wide and equipped with four tainter gates. The project was designed to protect against the flood of record (August 1955).

ALLOCATION FOR FY 2014: \$751,410

BUDGETED AMOUNT FOR FY 2015: M: \$290,000 O: \$798,000 T: \$1,088,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,088,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling releases from Woonsocket Falls Dam; as well as maintenance service contracts for snow and debris removal, and vegetation control along dike slopes and adjacent to floodwalls. Funding includes initiating FEMA Certification Process (\$600,000), and repairs to project structures including windows and vents (\$151,000).

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: In accordance with the National Defense Authorization Act of 2008, Operations and Maintenance responsibility of the project was transferred to the Corps in January 2009. Project has prevented an estimated \$122.6 million in flood damages since placed in service in 1960.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$167,700. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

Woonsocket Local Protection
Project, Rhode Island

Vermont

O&M Justification Sheet

PROJECT NAME: Ball Mountain Lake, Vermont

AUTHORIZATION: Authorized by the Flood Control Acts of 1944 and 1954. Fish passage facility was authorized by Section 872 of WRDA 1986.

LOCATION AND DESCRIPTION: Ball Mountain Dam is located along the West River, 29 miles above its junction with the Connecticut River in Brattleboro, Vermont. Dam is located about two miles north of Jamaica, Vermont and is operated as part of a comprehensive system of flood control projects within the Connecticut River Basin. Project consists of an earth-filled dam with rock slope protection, 915 feet long with a maximum height of 265 feet; an uncontrolled ogee weir spillway, 235 feet wide with a maximum discharge capacity of 150,000 cubic feet per second; and a 13.5-foot diameter outlet conduit with 3 control gates. The reservoir provides 54,690 acre-feet of flood storage capacity to control runoff from its 172 square miles of drainage area. Construction of the dam and appurtenant structures was initiated in May 1957 and completed in November 1961. Construction of recreation facilities was initiated in June 1975 and completed in June 1977. Fish passage facility work began in June 1992 and completed in February 1993.

ALLOCATION FOR FY 2014: \$992,970

BUDGETED AMOUNT FOR FY 2015: M: \$554,000 O: \$490,000 T: \$1,044,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$855,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as service contracts for snow and debris removal, vegetation control along dam slopes. Funding includes Repairs of Slason Bridge (\$200,000).

RC: \$116,000 – Provide for minimal routine operation and maintenance activities necessary to support recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 37,000 visitors yearly.

H: N/A

EN: \$73,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 965 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Ball Mountain Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of II in 2005. The principle issues are seepage and stability. The rating of II is defined as Urgent (Unsafe or Potentially Unsafe). Dam Safety Construction Appropriation funds are currently being used to study seepage and stability issues at the dam. Project has prevented an estimated \$162.3 million in flood damages since placed in service in 1961.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$12,500. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations is \$0. This amount will be used to perform work on the project as follows: NA.

O&M Justification Sheet

PROJECT NAME: Narrows of Lake Champlain, VT and NY

AUTHORIZATION: Adopted 1917

LOCATION AND DESCRIPTION: The Narrows of Lake Champlain navigation project extends from the northern terminus of the New York State Champlain Barge Canal at Lock 12 in Whitehall, NY northward approximately 13.5 miles to Benson Landing, VT. The project provides for a channel 12 ft. deep, approximately 13.5 miles in length and generally 200 ft. wide from Whitehall, NY to Benson Landing, VT. The existing project is considered 77% complete, with a channel 12 ft. deep at LLL and minimum width of 150 ft. having been excavated throughout the entire length of improvement, except in the vicinity of the Elbow (Putts Rock and Putts Leap) where the width is 110 ft. and fender booms were installed to protect vessels from rock outcrops. The uncompleted work is inactive.

ALLOCATION FOR FY 2014: \$29,700

BUDGETED AMOUNT FOR FY 2015: M: \$105,000 O: \$0 T: \$105,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$105,000 Funds will be used to repair fender booms and perform channel maintenance activities and surveys in the project. The navigation channel provides the link between Lake Champlain and Canada with the New York State Champlain Canal. Fender booms are located where the channel was not constructed to full width to protect vessels from striking rock outcrops.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The project is a low use, shallow draft project that primarily supports short and long distance recreational vessels, construction vessels and tour boats.

1/ Unobligated Carry-in funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,265. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on the work described above is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: North Hartland Lake, Vermont

AUTHORIZATION: Authorized by the Flood Control Acts of 1938 and 1941.

LOCATION AND DESCRIPTION: North Hartland Lake is located along the Ottauquechee River, 1.5 miles above its junction with Connecticut River, and one-mile northwest of North Hartland, Vermont. North Hartland Lake is operated as part of a system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth and rock-filled dam with rock slope protection, 1,640 feet long with a maximum height of 185 feet; an earth and rock-filled dike 2,110 feet long with a maximum height of 52 feet; an uncontrolled ogee weir spillway, 465 feet wide with a maximum discharge capacity of 160,900 cubic feet per second; a 14.25-foot diameter horseshoe shaped outlet conduit with 4 control gates through the dam; and a 36-inch diameter outlet conduit with a control gate through the dike. The reservoir provides flood storage capacity of 74,150 acre-feet to control runoff from its drainage area of 220 square miles. Construction of the dam and appurtenant structures was initiated in June 1958 and completed in June 1961.

ALLOCATION FOR FY 2014: \$886,050

BUDGETED AMOUNT FOR FY 2015: M: \$364,000 O: \$392,000 T: \$756,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$572,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes.

RC: \$128,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 306,000 visitors each year.

H: N/A

EN: \$56,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 1,464 fee owned acres of land.

WS: N/A

OTHER INFORMATION: North Hartland Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of III in September 2009. The principle issues are seepage and seismic. The rating of III is defined as High Priority (Conditionally Unsafe). Project has prevented an estimated \$151.7 million in flood damages since placed in service in 1961.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$16,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: New England

North Hartland Lake, Vermont

O&M Justification Sheet

PROJECT NAME: North Springfield Lake, Vermont

AUTHORIZATION: Authorized by the Flood Control Acts of 1938 and 1941.

LOCATION AND DESCRIPTION: North Springfield Lake is located in the Town of Springfield, Vermont, along the Black River, about 8.7 miles above its junction with the Connecticut River. North Springfield Lake is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of two earth and rock-filled dams with rock slope protection. The Main Dam is 2,940 feet long with a maximum height of 120 feet, and the North Branch Dam is 900 feet long with a maximum height of 75 feet. The Main Dam has an uncontrolled side channel spillway with an ogee weir, 384 feet wide with a maximum discharge capacity of 117,200 cubic feet per second, and a 12.75-foot diameter horseshoe shaped outlet conduit with 3 control gates. The North Branch Dam has an uncontrolled broad crested spillway weir, 200 feet wide with a maximum discharge capacity of 1,600 cubic feet per second, and an 8-inch diameter outlet conduit. The reservoir provides flood storage capacity of 51,100 acre-feet to control runoff from its drainage area of 158 square miles. Construction of the dam and appurtenant structures was initiated in May 1958 and completed in November 1960.

ALLOCATION FOR FY 2014: \$792,000

BUDGETED AMOUNT FOR FY 2015: M: \$792,000 O: \$777,000 T: \$1,569,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,446,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, vegetation control along dam slopes and painting and repair of the spillway bridge (\$515,000).

FRM-SUS15: Funding includes design feasibility for the construction of a demonstration project for low cost hydropower (\$298,000). ^{2/}

RC: \$66,000 – Provides for minimal routine operation and maintenance activities necessary to support the project's recreational facilities. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 38,000 visitors each year.

H: N/A

EN: \$57,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 1,361 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$134.9 million in flood damages since placed in service in 1960.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY 2014 for this project is \$40,700. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

^{2/} In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

PROJECT NAME: Townshend Lake, Vermont

AUTHORIZATION: Authorized by the Flood Control Acts of 1944 and 1954. Fish passage facility was authorized by Section 872 of WRDA 1986.

LOCATION AND DESCRIPTION: Townshend Lake is located along the West River, about 19.1 miles above its junction with the Connecticut River in Brattleboro, Vermont, and two miles west of Townshend, Vermont. The reservoir extends upstream about four miles, and is operated as part of a system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth-filled dam with rock slope protection, 1,700 feet long with a maximum height of 133 feet; and a horseshoe-shaped concrete outlet conduit with a maximum discharge capacity of 22,100 cubic feet per second. The reservoir provides a flood storage capacity of 33,700 acre-feet to control runoff from its net drainage area of 106 square miles. Construction of the dam and appurtenant structures was initiated in November 1958 and completed in June 1961. Construction of recreation facilities was initiated in October 1969 and completed in September 1971. Fish passage facility work began in June 1992 and was completed in February 1993.

ALLOCATION FOR FY 2014: \$803,960

BUDGETED AMOUNT FOR FY 2015: M: \$409,000 O: \$440,000 T: \$849,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$706,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; as well as maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes replacing slack cable limit switches (\$30,000), replacing emergency generator (\$45,000) and dam safety surveys and analysis (\$10,000).

RC: \$88,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities at the project. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to 23,000 visitors each year.

H: N/A

EN: \$55,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, and maintaining boundary lines. The project consists of 1,010 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Project has prevented an estimated \$137.1 million in flood damages since placed in service in 1961.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$34,400. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Union Village Dam, Vermont

AUTHORIZATION: Authorized by the Flood Control Acts of 1936 and 1938.

LOCATION AND DESCRIPTION: Union Village Dam is located along the Ompompanoosuc River, about 4 miles upstream from its junction with the Connecticut River. The dam lies about one-fourth mile north of Union Village, Vermont and 11 miles north of White River Junction, Vermont. Union Village Dam is operated as part of a comprehensive system of flood control projects designed to protect life and property within the Connecticut River Basin. The project consists of an earth and rock-filled dam, 1,100 feet long with a maximum height of 170 feet; an uncontrolled ogee weir spillway, 388 feet wide with a maximum discharge capacity of 84,900 cubic feet per second; and a 13-foot diameter outlet conduit with 2 control gates. The reservoir provides a flood storage capacity of 38,400 acre-feet to control runoff from its net drainage area of 126 square miles. Construction of the dam and appurtenant structures began in March 1947 and was completed in June 1950.

ALLOCATION FOR FY 2014: \$861,300

BUDGETED AMOUNT FOR FY 2015: M: \$283,000 O: \$411,000 T: \$694,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$587,000 – Provides for minimal routine essential operation and maintenance activities necessary to protect downstream life and property during flooding events, and to preserve project infrastructure. Activities include data collection, environmental compliance, project inspections and patrols, and controlling reservoir releases; maintenance service contracts for snow and debris removal, and vegetation control along dam slopes. Funding includes inspection of project bridges (\$5,000) and analysis of current operating procedures for potential modification (\$25,000).

RC: \$64,000 – Provides for minimal routine operation and maintenance activities necessary to support the recreational facilities. Activities include maintaining project trails and other recreation areas for visitor safety. The project provides recreation opportunities to an average of 46,000 visitors each year.

H: N/A

EN: \$43,000 – Provides for minimal routine operation and maintenance activities necessary to maintain the environmental integrity of project lands. Activities include patrols to check for encroachment onto project lands, maintaining boundary lines, and a pest management program. The project consists of 991 fee owned acres of land.

WS: N/A

OTHER INFORMATION: Union Village Dam was assigned a Dam Safety Assurance Classification (DSAC) rating of II in September 2009. The principle issue is seepage. The rating of II is defined as Urgent (Unsafe or Potentially Unsafe). Project has prevented an estimated \$56.6 million in flood damages since placed in service in 1950.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$53,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A.

Virginia

O&M Justification Sheet

PROJECT NAME: Atlantic Intracoastal Waterway – ACC Route, VA

AUTHORIZATION: River and Harbor Act of 3 March 1899 and modified by Acts of 25 July 1912, 3 March 1925, 3 July 1930, 26 June 1934 and 2 March 1945.

LOCATION AND DESCRIPTION: The Albemarle and Chesapeake Canal (ACC), on the Atlantic Intracoastal Waterway (AIWW), is a naturally protected navigation route that generally parallels the Atlantic Ocean between the Southern Branch of the Elizabeth River and the Virginia-North Carolina state line in the North Landing River, a distance of 27 miles. This project provides for a channel 12 feet deep with widths of 90 feet in land cuts and from 125 to 250 feet in rivers. Operation of a tidal guard lock at Great Bridge and a highway bridge at North Landing are done under a services contract. This project has been operated by contractors since 1983 under the Complete Sourcing Program.

ALLOCATION FOR FY 2014: \$3,470,650

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,390,000 T: \$2,390,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,390,000 Funds will be used for the bare bones level of operations, including routine operational maintenance, on the waterway to operate the bridge, lock, canal, and reservation for commerce traffic, and navy military fuel barges. This amount of funding includes no out-of-scope maintenance items.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The waterway segment is part of the Atlantic Intracoastal Waterway connecting Norfolk, VA with the St. Johns River, FL. The Albemarle and Chesapeake Canal segment is particularly critical to the U.S. Navy which transports over 55 million gallons of jet fuel yearly from the Craney Island Fuel Depot in Portsmouth, VA to the Oceana Naval Air Station in Virginia Beach, VA. Failure to fund the project will result in the Navy being unable to meet the fuel demand of the Oceana Naval Air Station, and thus shutting down flight operations. Commercial and recreation vessels travel the waterway in lieu of the Atlantic Ocean to preclude risking the dangerous waters off Cape Hatteras. An average of over 1,100 commercial vessel trips carrying over 975,000 tons pass through the Great Bridge Lock annually. If not funded for the operation of the canal, lock and drawbridge, all navigation traffic on this north-south waterway would be forced to stop or become severely restricted.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$176,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Atlantic Intracoastal Waterway – Dismal Swamp Canal Route, VA

AUTHORIZATION: River and Harbor Act of 3 March 1899 and modified by Acts of 25 July 1912, 3 March 1925, 3 July 1930, 26 June 1934 and 2 March 1945.

LOCATION AND DESCRIPTION: The Dismal Swamp Canal (DSC), on the Atlantic Intracoastal Waterway (AIWW), is a naturally protected navigation route that generally parallels the Atlantic coast between Norfolk, VA and the Pasquotank River in NC. The canal is the oldest operating artificial waterway in the United States. The DSC was placed on the National Register of Historical Places and registered as an ASCE Landmark in 1988, and in 2004 was included in the National Park Service's Underground Railroad Network to Freedom Program. The authorized depth of the canal is 10 feet; however, the project is currently maintained at a minimum depth of 6 feet. The project also consists of one highway drawbridge and navigation lock at Deep Creek, VA, one highway drawbridge and navigation lock at South Mills, NC and three water control structures. To minimize costs, the two navigation locks and two bascule bridges are operated only four times daily between 8:30 a.m. and 3:30 p.m.

ALLOCATION FOR FY 2014: \$1,158,300

BUDGETED AMOUNT FOR FY 2015: M: \$3,250,000 O: \$1,305,000 T: \$4,555,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,380,000 Funding to operate the bridges and locks, on minimum basis of 8 hours a day, 7 days a week, a maximum of four lock and bridge openings daily. This minimal level of funding includes dredging the Dismal Swamp Canal at the feeder ditch, last dredged in 2010, and routine operational maintenance in connection with project operations.

FRM: \$3,175,000 Funding to operate 3 water control structures along the Dismal Swamp Canal. These structures must be operated to prevent flooding in adjacent commercial and residential districts, even if lock and bridge operations are not performed. Funding will also provide for replacement of the deteriorated portion of the Lake Drummond Dam bulkhead. Structural inspections and design work determined that half of the total bulkhead length needs to be replaced. In addition, this level of operation is mandated by public law to control water levels in Lake Drummond.

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The DSC provides navigation needs for vessels to travel the protected waterways of the AIWW in lieu of traveling through the Currituck Sound. The water control structures are manned in conjunction with the locks and bridges to control the water levels in Lake Drummond as required by Public Law 93-402.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$98,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: North Atlantic

District: Norfolk

Atlantic Intracoastal Waterway-DSC Route, VA

O&M Justification Sheet

PROJECT NAME: Chincoteague Inlet, VA

AUTHORIZATION: Section 107 of the River and Harbor Act of 14 July 1960

LOCATION AND DESCRIPTION: Chincoteague Inlet is located on the Eastern Shore of Virginia in Accomack County. It is the largest commercial port on the Eastern Shore and supports over 3,000 vessels a year. The project supports all types of commercial fishing. Failure to maintain the channel would result in direct economic losses to commercial users as well as local businesses. The project also supports the U.S. Coast Guard and NASA Wallops Island Flight Facility.

ALLOCATION FOR FY 2014: \$702,900

BUDGETED AMOUNT FOR FY 2015: M: \$500,000 O: \$0 T: \$500,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$500,000 Funding is for the USACE Dredge (CURRITUCK or MURDEN) to dredge the most critical shoaling that occurs throughout the year within the authorized limits of the project, with dredging assignments to remove the most critical shoals when they occur. A portion of the funding is also used to perform channel surveys to monitor and report the channel conditions to users, and to coordinate with the Coast Guard on buoy and channel marker placements.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The project provides the primary access from the Atlantic Ocean to the critical harbor of refuge at Chincoteague and other Federal navigation projects in the area. U.S. Coast Guard Station and USCG Group Eastern Shore are located on the Chincoteague Inlet Project. NASA Goddard Space Flight Center, Mid-Atlantic Regional Spaceport, and the U.S. Navy use the project for training operations, range control, payload recovery, and oceanographic missions. The Commonwealth of Virginia frequently operates vessels from the port of Chincoteague for the purpose of marine fisheries law enforcement, scientific investigations, and permit enforcement for other water related activities such as marine salvage and archaeology. Failure to maintain the project would result in increased operating costs for these various state missions.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$78,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Gathright Dam and Lake Moomaw, VA

AUTHORIZATION: The 1964 Flood Control Act.

LOCATION AND DESCRIPTION: Gathright Dam and Lake Moomaw, located 43 miles above the mouth of the Jackson River, and 17 miles upstream of Covington, Virginia, are operated to reduce flood damages at downstream locations, augment low flow conditions, and provide for water-based recreation. As a major dam within the James River Basin, the project is part of the overall strategy for water control and flood risk reduction within the basin.

ALLOCATION FOR FY 2014: \$2,239,380

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,081,000 T: \$2,081,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,081,000 Funding will provide the basic level of operation of the project for Flood Risk Management, including operation of the dam, intake tower, water treatment plant, wastewater treatment plant, and support facilities. This level of funding provides the normal level of water management activities, gauging, coordination with the U.S. Geological Survey, other agencies and stakeholders, as well as a basic level of operational maintenance, but no backlog maintenance items. This multipurpose project is essential to reduce flood damages at downstream locations and increase low flows for the improvement of downstream water quality. The project also provides water-based recreation and enables the selective withdrawal of water at temperatures that provide a habitat suitable for a cold-water fishery in the Jackson River.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The requested funding is necessary for the District to ensure the continued operation, safety and integrity of Gathright Dam through the budget year. Although funded for Flood Risk Management, the project also provides improved water quality through low flow augmentation. Recreation services are provided at sites operated by the U.S. Forest Service. Since completion of the project and beginning of operation in 1982, the project has prevented over \$286 million in flood damages.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$247,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Hampton Roads Drift Removal, VA

AUTHORIZATION: Section 102 of the River and Harbor Act of 1950.

LOCATION AND DESCRIPTION: The project area includes Hampton Roads, the harbors of Norfolk and Newport News, and tributary waters in Virginia. The project provides for the collection and removal of floating debris for the protection of navigation. Removal of debris 7 days a week is essential for the safety of the port, U.S. Coast Guard operations, the U.S. Navy vessels based in Norfolk, and commercial shipping traffic exceeding 60 million tons annually. The project also provides for disposal of debris at Craney Island. The principal tributaries are the James River, Elizabeth River, and Nansemond River. The harbor area involves a total water surface of about 75 square miles, with approximately 32 miles of developed waterfront and 300 terminal facilities.

ALLOCATION FOR FY 2014: \$1,443,420

BUDGETED AMOUNT FOR FY 2015: M: \$1,540,000 O: \$0 T: \$1,540,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,540,000 Funds will be used to operate and manage the drift collection system for the waters of Hampton Roads and tributaries. The activities are considered maintenance, whereby the drift collection vessels are used to remove floating debris and dispose of it within the Craney Island facilities. This project provides for an efficient and cost effective method of preventing collisions with hulls and critical vessel appendages and possible sinking of military, commercial and pleasure vessels within Norfolk Harbor and branches.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The budget amount for FY 2015 will enable debris collection daily, 7 days a week. The channels supported by this project support an average of over 100,000 vessel trips annually. The removal of debris from the waterways reduces pollution and subsequent impact to marine habitat and wetlands in the Elizabeth River, Nansemond River, and James River.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Hampton Roads, Prevention of Obstructive Deposits, VA

AUTHORIZATION: The Act of June 29, 1888, amended August 28, 1958, provides for preservation of the tidal waters of Hampton Roads and adjacent or tributary waters.

LOCATION AND DESCRIPTION: The project provides for detection and prevention of the illegal deposit into navigable waters of waste, oil, sludge, refuse, and other types of debris from vessels and shore installations. The Corps of Engineers Supervisor of the Harbor, in coordination with U. S. Coast Guard, Department of Justice, and other Federal and State agencies, is designated to conduct the program. The jurisdiction of the Supervisor of the Harbor of Hampton Roads includes Hampton Roads and reaches of Chesapeake Bay, the Atlantic Ocean located in Virginia and tidal portion of their tributaries, including the James River, York River, Rappahannock River, and south shore of the Potomac River.

ALLOCATION FOR FY 2014: \$87,120

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$104,000 T: \$104,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$104,000 Provides daily patrol, investigation, and coordination with US Coast Guard, Dept of Justice, and other Federal and State agencies to execute this program.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: In prior fiscal years, the elimination of services allowed the potential for unrestricted deposits in all tidal waterways of Virginia. In one year alone, over 750 phone calls were received for action to which the Corps could not respond. The budgeted amount in FY 2015 will enable the program to continue. This project contributes directly to national commerce and economic benefits by providing an efficient, cost-effective method of ensuring refuse and other injurious materials do not get into navigable waters of Hampton Roads and contributes to the safe passage of over 100,000 vessel trips annually. The prevention of waste and refuse deposits into the waterways also reduces water pollution and subsequent impacts to marine habitat and wetlands in the Chesapeake Bay and its tributaries.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$14,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: James River, VA

AUTHORIZATION: River and Harbor Act of 5 July 1884. The project was modified by the River and Harbor Acts of 13 June 1902, 3 March 1905, 3 July 1930, 26 August 1937, 2 March 1945, 17 May 1950 and 23 October 1962.

LOCATION AND DESCRIPTION: The James River channel provides approximately 90 miles of deep-draft navigation from Hampton Roads, VA to Richmond, VA. The project provides for a channel 25 feet deep, 300 feet wide from Hampton Roads to Hopewell, VA, approximately 70 miles, and 25 feet deep, 200 feet wide from Hopewell to Richmond Deepwater Terminal, approximately 15 miles. Thence, 18 feet deep, 200 feet wide from Richmond Deepwater Terminal to the head of navigation at the Richmond locks, approximately 5 miles.

ALLOCATION FOR FY 2014: \$4,659,990

BUDGETED AMOUNT FOR FY 2015: M: \$3,550,000 O: \$146,000 T: \$3,696,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,696,000 Funds will be used to dredge the more critical shoaled areas within the length of the project. Requested funds are essential to assure the safe and economic transit of ships calling on the Ports of Richmond and Hopewell, in addition to the approximately 51 port facilities located on the river. An increase in the rapid shoaling rates in 2013 has resulted in required draft restrictions, indicating that the present funding levels do not keep pace with requirements. The funding will also provide for channel surveys of most shoals along the river, and reporting to the U.S. Coast Guard and other agencies and stakeholders, to ensure river pilots and vessel operators have updated information and proper buoy placement for safe navigation. A portion of the funding will also be used to coordinate with environmental agencies and assure that all necessary permits and clearances are maintained in an up to date status so that maintenance dredging may proceed without delays.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Local Sponsor is the City of Richmond acting through the Virginia Port Authority. The project supports deep-draft commercial navigation to the Ports of Hopewell and Richmond, and numerous industries along the river. The channel is dredged, at different locations, annually. Higher-than-normal shoaling in FY 2011 and 2012 forced the Virginia Pilots Association to continue a draft restriction on the vessels transiting the project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$55,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Lynnhaven Inlet, VA

AUTHORIZATION: Authorized by the River and Harbor Act of 23 October 1962, except the side channel into Long Creek which was approved by the Chief of Engineers in 1982 under authority of Section 107 of the River and Harbor Act of 1960.

LOCATION AND DESCRIPTION: Lynnhaven Inlet is located on the Chesapeake Bay within the City of Virginia Beach. The navigation project provides access to the Chesapeake Bay and Atlantic Ocean for commercial fishing vessels, pilot vessels, charter fishing boats, head boats, and a wide range of private recreational vessels. The project is used by the pilot boats for both the Virginia and Maryland Pilots based inside the inlet, to transport pilots from their dock to deep draft ships transiting the Chesapeake Bay. The project requires annual maintenance of critical shoals and full maintenance dredging on intervals of about three years.

ALLOCATION FOR FY 2014: \$396,000

BUDGETED FOR FY 2015: M: \$200,000 O: \$0 T: \$200,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$200,000 Funding is for the USACE Dredge CURRITUCK to dredge only the most critical shoaling that occurs throughout the year over the length of the project, with dredging assignments to remove the most critical shoals when they occur. A portion of the funding is also used to perform channel examination surveys to monitor and report the channel conditions to users, and to coordinate with the Coast Guard on buoy and channel marker placements.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The dredged material is predominantly sand, and for most dredging events is used for beach nourishment at Ocean Park and Cape Henry Beaches. The City has fulfilled all requirements of the project under the cooperation agreement, including the provision of adequate dredged material facilities.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$69,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Norfolk Harbor, VA

AUTHORIZATION: Norfolk Harbor was authorized by the 1876 River and Harbor Act, and modified by numerous River and Harbor Acts through the 1986 WRDA. The Craney Island Dredged Material Management Area was authorized by the River and Harbor Act of 1946.

LOCATION AND DESCRIPTION: Norfolk Harbor includes the deep draft channels in the Elizabeth River, Hampton Roads, and the lower Chesapeake Bay. The project also includes the Craney Island Dredged Material Management Area, constructed on 2,500 acres of river bottom in Hampton Roads adjacent to Portsmouth, Virginia. Craney Island is the primary dredged material placement area for construction and maintenance dredging within the Hampton Roads port complex, including the Federal navigation channels, Naval facilities, Virginia Port Authority facilities, and various other commercial port terminals.

ALLOCATION FOR FY 2014: \$12,301,740

BUDGETED AMOUNT FOR FY 2015: M: \$10,175,000 O: \$815,000 T: \$10,990,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$10,990,000 Funds will be used to dredge only the minimum critical shoaling expected within the Norfolk Harbor Channel. Funds will also be used to maintain the containment dikes, roads, and buildings at Craney Island that are essential to provide adequate capacity for dredged material from all navigation projects. In addition, funding will be used for as many as seven surveys of channel elements, reporting accurate channel conditions to the U.S. Coast Guard, pilots, vessel operators and other stakeholders, coordinating with the Coast Guard on buoy and channel marker placement, and plans for dredging.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Norfolk Harbor is a vital center of international maritime commerce, military power and shipbuilding. The port is home to 87 port facilities handling all types of cargo, totaling over 70 million tons annually. The port's container terminals handled over 2 million twenty-foot equivalent units (TEUs) in 2012 with over \$60 billion cargo value. Norfolk Harbor is the nation's largest coal exporting port, averaging over 45 million tons from its three coal terminals. It is also a major DOD Strategic Port and home of the Norfolk Naval Station, the world's largest Naval complex supporting 75 ships, including 5 Nimitz-class supercarriers. Nine shipyards are based in Norfolk Harbor, comprising the nation's largest combined shipbuilding and ship repair industrial base. The most recent Waterborne Commerce of the U.S. (2011) reported for Hampton Roads a total of 339 vessel trips at drafts exceeding 45 feet, more than any other major U.S. port. These vessels include the largest Post-Panamax container ships and supercolliers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,184,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Rudee Inlet, VA

AUTHORIZATION: River and Harbor Act of 14 July 1960, Section 107, modified under Section 354 of the 1996 WRDA.

LOCATION AND DESCRIPTION: Rudee Inlet is located in Virginia Beach, Virginia and provides access to the Atlantic Ocean. The project provides navigation and a critical harbor of refuge for commercial fishing boats, charter sport fishing vessels, research vessels from Virginia Marine Science Museum, U.S. Navy craft, several tour boats, and various transient vessels en route up and down the Atlantic coast. Several maintenance dredging events are required per year to ensure the entrance channel portion of the project remains open for safe navigation. A biennial full contract dredging is required to reduce the annual dredging events and decrease the severity of the critical shoaling. Dredged material is placed on the oceanfront beach and serves as a major source of nourishment material.

ALLOCATION FOR FY 2014: \$396,000

BUDGETED AMOUNT FOR FY 2015: M: \$300,000 O: \$0 T: \$300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$300,000 Funding is for the USACE Dredge CURRITUCK to dredge only the most critical shoaling that occurs throughout the year over the length of the entrance channel, with dredging assignments to remove the most critical shoals when they occur. With the shallow draft Dredge CURRITUCK or similar vessel, the dredged material is placed in the surf zone of the Hurricane Protection project at Virginia Beach, contributing a significant source of nourishment material. A portion of the funding is also used to monitor and report the channel conditions to users, and to coordinate with the Coast Guard and local sponsor.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Rudee Inlet is also a Critical Harbor of Refuge, and is the only such harbor between Oregon Inlet, NC and the mouth of the Chesapeake Bay. The City of Virginia Beach as local sponsor contributes a cost share percentage of 28% which represents the recreational benefits of the project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$12,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

PROJECT NAME: Water and Environmental Certifications, VA

AUTHORIZATION: Not applicable. Each project covered under this program has its own authorization.

LOCATION AND DESCRIPTION: Provides funding for coordination and renewal of water quality and other environmental certifications for navigation projects not otherwise included in the budget. The location includes all potential navigation maintenance dredging projects within Norfolk District area of operations. Projects that are supported by this program will include active navigation projects that are due for maintenance but not funded in this budget cycle for maintenance dredging.

ALLOCATION FOR FY 2014: \$128,700

BUDGETED AMOUNT FOR FY 2015: M: \$135,000 O: \$0 T: \$135,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$135,000 Critical activities to acquire water quality and environmental certifications, and conduct required coordination, in preparation for execution of up to three out-year projects.

FRM: NA

RC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The program recognizes that there is essential advance work needed to support the maintenance of critical navigation projects during the years before the projects need to be dredged and are funded for maintenance dredging.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$19,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

NORTHWESTERN DIVISION

24 March 2014

OPERATIONS & MAINTENANCE

KEY TO ABBREVIATIONS:

N = NAVIGATION
FRM = FLOOD RISK MANAGEMENT
RC = RECREATION
H = HYDROPOWER
EN = ENVIRONMENT
WS = WATER SUPPLY

COLORADO

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Bear Creek Lake, CO

AUTHORIZATION: PL 90-483 (Recreation, Flood Control, Fish & Wildlife), PL 89-72 (Recreation)

LOCATION AND DESCRIPTION: Bear Creek Dam is located in the Denver metropolitan area on the southwest edge of Lakewood at the confluence of Bear Creek and Turkey Creek. Construction was authorized in 1968 and was completed in 1982. The main embankment measures 5,300 feet in length and has a maximum height of 179.5 feet; and the south embankment measures 2,100 feet in length with a maximum height of 65 feet. The reservoir impounded by the dam is 0.5 miles long with a maximum depth of 48 feet at the dam. The primary purpose of the dam is flood damage reduction. Fish and wildlife, and recreation are also authorized purposes.

ALLOCATION FOR FY 2014: \$903,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 14,000 O: \$ 682,000 T: \$ 696,000 ^{1/}

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ NA

FRM: \$ 652,000 Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine work includes rehabilitation of Harriman Ditch conduit thimble and gate; the repair of erosion at downstream end of earth cut spillway and dewatering / inspection of stilling basin and surveys.

RC: \$ 8,000 Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality outdoor recreation experiences for the public. Funding also provides the minimum real estate management needs of the project.

H: \$ NA

EN: \$ 36,000 Funding will be used to meet the O&M requirements of the environmental stewardship mission. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations and management plan updates.

WS: \$ N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 totals \$4.1 million.

^{1/} Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Chatfield Lake, CO

AUTHORIZATION: PL 81-516, PL 99-662, PL 89-72, PL 93-251

LOCATION AND DESCRIPTION: Chatfield Dam is located in the Denver metropolitan area southwest of Denver on the South Platte River. Construction was authorized in 1967 and was completed in 1975. The dam measures 13,136 feet in length and has a maximum height of 147 feet. Chatfield Lake is 2.0 miles long with a maximum depth of 47 feet at the intake tower. The project provides benefits to flood damage reduction, fish and wildlife, water supply, and recreation.

ALLOCATION FOR FY 2014: \$ 1,829,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 215,000 **O:** \$ 1,260,000 **T:** \$ 1,475,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 1,180,000 - Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine work includes removal of driftwood and logs from the riprap on the upstream slope of the dam, flush/clean and inspect spillway drainage system, rehab French drain north of the emergency spillway and sandblast and paint valves and manholes associated with irrigation system.

RC: \$ 172,000 - Funding will allow the Corps to meet minimum recreation O&M requirements, providing quality outdoor recreation experiences for the public. Specifically, the routine activities include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support and recreation use fee management. .

H: \$ 0 – NA

EN: \$ 123,000 – Funding will be used to meet the O&M requirements of the environmental stewardship mission as well as cultural resources management activities. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations, and management plan updates.

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 totals \$11.1 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Cherry Creek Lake, CO

AUTHORIZATION: PL 77-228, PL 78-534, PL 79-732

LOCATION AND DESCRIPTION: Cherry Creek Dam is located in the Denver metropolitan area in Aurora, Colorado. Construction of the dam was authorized in 1948 and was completed in 1950. The dam measures 14,300 feet in length and has a maximum height of 141 feet. Cherry Creek Reservoir is 3.25 miles long with a maximum depth of 46 feet at the intake tower under normal operation. The project provides benefits for flood damage reduction, fish and wildlife, and recreation.

ALLOCATION FOR FY 2014: \$1,928,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 80,000 **O:** \$ 956,000 **T:** \$ 1,036,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 868,000 - Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine work includes Intake Tower crack repair, spot paint Intake Structure Bridge, annual review of the Interim Risk Reduction Measures plan and removal of woody vegetation from the emergency spillway.

RC: \$ 120,000 - Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality outdoor recreation experiences for the public. Routine activities will include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, recreation use fee management, and completion of updates to required management plans. Program includes funding for park improvements cost shared with the State of Colorado.

H: \$ 0 – NA

EN: \$ 48,000 – Funding will be used to meet the O&M requirements of the environmental stewardship mission as well as cultural resources management activities. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations and management plan updates.

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 total \$1.2 billion.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

IOWA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Missouri River Fish and Wildlife Recovery, IA, KS, MO, MT, NE, ND, SD

AUTHORIZATION: Water Resource and Development Act (WRDA) 1986 & 1999 and WRDA 2007

LOCATION AND DESCRIPTION: The Missouri River Recovery Program (MRRP) was authorized to mitigate for construction of the Missouri River Bank Stabilization and Navigation Project. It complies with the USFWS 2003 Missouri River Biological Opinion. The MRRP is located on the lower 800 miles of the Missouri River. Habitat features are provided on numerous land tracts and include terrestrial and aquatic features. These features restore native vegetation, aquatic side channel chutes, and riparian zone. This project is split between Omaha District, Sioux City, IA, at river mile (RM) 735, to Rulo, NE, RM 498, and Kansas City District, Rulo, NE, to the mouth.

ALLOCATION AMOUNT FOR FY 2014: \$ 2,178,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 1,120,000 O: \$ 6,580,000 T: \$ 7,700,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 7,700,000 – Operation and maintenance costs for land and aquatic features of the MRRP increases as locations transition out of construction status. Work includes basic land and water management such as habitat plantings, maintenance of water control structures, control of noxious species, dredging of chutes and backwaters, protection of endangered species, and management of public use including signing and patrols to protect established habitats. This funding provides for overall stewardship of land tracts, physical management of land tracts to maintain desired conditions, periodic maintenance of chutes and modified river training structures, and monitoring of terrestrial and aquatic habitat to ensure habitats are performing as designed. Overall operation and maintenance is provided by Corps of Engineers with some locations having contracted management by State Agencies or US Fish and Wildlife Services.

FRM: \$ 0 – NA.

RC: \$ 0 – NA.

H: \$ 0 – NA.

EN: \$ 0 – Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$ 0 – NA.

OTHER INFORMATION: Restored habitats along the river provide conditions for native species (plants and animals), including the endangered Least Tern, threatened Piping Plover, and Pallid Sturgeon. Forests, grasslands, wetlands, back waters, chutes and islands provide opportunities for outdoor activities in four states, while enhancing the flood plain.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0.0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Missouri River, Sioux City to Mouth, IA, NE, KS & MO

AUTHORIZATION: Flood Control Acts of 1912 (P.L. 62-241), 1917 (P.L. 64-), 1925 (P.L. 68-585), 1927 (P.L. 70-560), 1930 (P.L. 73-67), 1935 (P.L. 73-409), 1945 (P.L. 79-14), 1970 (P.L. 91-611)

LOCATION AND DESCRIPTION: The Missouri River Bank Stabilization and Navigation Project (BSNP) runs from St. Charles, MO, the mouth at river mile zero (RM 0) to Sioux City, IA, RM 735. It is split between the Kansas City and Omaha Districts at Rulo, NE, (RM 498). More than 8,000 dike and revetment structures provide river channel and bank reliability. The project design uses the river flows to establish the channel. Maintaining the structures to design tolerance provides for system reliability required by stakeholders.

ALLOCATION AMOUNT FOR FY 2014: \$ 8,579,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 7,595,000 O: \$ 3,029,000 T: \$ 10,624,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$10,599,000 – River project offices, channel reconnaissance, hydro-graphic surveys, mile board maintenance, daily boat reports (mileage, tonnage, obstacles, conditions), annual system inspections, and identifying and tracking stakeholder concerns are operation activities. Repair of damaged dikes and revetments, improving structures in navigation problem areas, and removal of snags are maintenance activities. Dredging for navigation is not a routine activity. When required in emergencies funding from other activities has to be used when available. The major project costs are; fuel, rock for structures, travel and equipment (operating, repair, replacement of boats, barges, excavators, dozers, loaders, trailers, vehicles, survey). BiOp and Mitigation requirements resulting from the BSNP construction are conducted in cooperation with State Agencies and the US Fish & Wildlife. Area management includes promotion of native plant and animal species, protection of endangered species, and maintenance of water control structures, wetland features, property features (signs, boundaries, levees, access points, easements). NAV-SUS15: \$32,000 to perform an energy audit of the Missouri River Project facility - \$29,000, and insulation to improve efficiency of heating and cooling at the project office -\$3,000 2/

FRM: \$0 – NA.

RC: \$0 – NA.

H: \$0 – NA.

EN: \$25,000 – Work includes oversight and management of agriculture lease areas, some jointly managed with local and other federal agencies. Natural Resource Management activities also include habitat improvements, survey and inspection, and public and stakeholder outreach. Cost for BiOp and Mitigation activities resulting from BSNP are included in the Navigation business line.

WS: \$ 0 – NA.

OTHER INFORMATION: Approximate tonnage transported based on 2012 is 4.2 million tons. The Bank Stabilization feature (utilizing the same structures) of the project provides reliability for other purposes, public and commercial water supplies, recreation, irrigation, railroads, highways, and agriculture.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0.. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Kansas City Missouri River, Sioux City to Mouth, IA,
NE, KS, MO

3/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work NAV-SUS15 (MR-15-5001 and MR-15-5006) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line as indicated above. The amounts identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Rathbun Lake, IA

AUTHORIZATION: Flood Control Act of 1954 (P.L. 83-780)

LOCATION AND DESCRIPTION: The project is located on the Chariton River, near Centerville, IA. The project includes an earth-fill dam, has a gated outlet works, an uncontrolled chute-type spillway, with total reservoir storage capacity of 570,500 acre-feet. Regional Benefits include: Flood risk management, recreation; fish and wildlife; water quality; and water supply for one of the largest rural water systems in the country (approximately 80,000 customers) on the Rathbun Regional Water Association (RRWA).

ALLOCATION AMOUNT FOR FY 2014: \$ 3,160,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 410,000 O: \$ 2,903,000 T: \$ 3,313,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$2,184,000 - Routine operation and maintenance of dam, intakes, control tower, conduits, outlet channels, structures, and administration facilities. Typical activities include tower infrastructure maintenance, embankment mowing, engineering support, relief well drainage channel maintenance, and instrument reading. Included in FY15 budget amount are a periodic bridge inspection, final stage of Water Control Manual revision, replace failing culverts along emergency spillway and toe drain of relief wells, inspect water supply conduit located on outlet works, and relief well rejuvenations.

RC: \$953,000 - Routine operation and maintenance of recreation facilities and activities for camping, fishing, boating, trails, hunting, etc. Typical operational burden includes contracting services, interpretive services, water safety, mowing, sign program, fee collection, and law enforcement; and maintenance of facilities such as campgrounds, access roads, parking areas, trails, visitor center, kiosks, shower houses, boat ramps, and restrooms. Annual public visitation is approx. 875,000 and the Project averages approximately \$195,000 in annual recreation fees. In FY13, seven volunteers and one Challenge Partnership Agreement assisted with maintenance activities valued at over \$130,000.

H: \$0 – NA.

EN: \$165,000 - Maintain compliance and stewardship of natural environments, cultural resources, and the National Historic Preservation Act. Typical burden includes operation and maintenance on about 8,000 acres; tree cutting/pruning, seeding, shoreline erosion control, wetland maintenance, native prairie, wildlife food plots, detection and control of invasive species, lake wide water sampling, and monitoring/protection of eagle nests.

WS: \$11,000 - Basic administration of existing water supply agreement. The Project provides 2.5 billion gallons of water annually to approx 80,000 customers via the RRWA distribution of allocated storages.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1969 is \$161 Million.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

IDAHO

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Albeni Falls Dam, ID

AUTHORIZATION: Construction of a multipurpose dam and powerhouse was authorized by the Flood Control Act of 1950 (Public Law 516, 81st Congress, Second Session with reference to Senate Doc 9, 81st Congress, 1st Session) Navigation, hydroelectric power and flood control are authorized under Public Law 81-516. Recreation was authorized in the Flood Control Act of 1944, Section 4 (PL 78-534).

LOCATION AND DESCRIPTION: Albeni Falls Dam is located 26 miles west of Sandpoint, on the Pend Oreille River in Idaho. The dam is a 90-foot-high concrete gravity, with ten spillway gates. The project is multi-purpose, providing flood control, power generation, and regulation of stream flow. Lake Pend Oreille water storage seasonally augments flows on the Columbia and Pend Oreille Rivers for power production downstream. Other purposes include navigation, recreation, and fish and wildlife conservation.

ALLOCATION FOR FY 2014: \$1,232,000

BUDGETED AMOUNT FOR FY 2015: M: \$581,000 O: \$579,000 T: \$1,160,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$40,000 - Funds are for flow augmentation for downstream navigation, for environmental costs for mitigation and BiOp actions resulting from operations for navigation, and for joint costs allocated to navigation.

FRM: \$30,000 - Funds are for flood protection for Lake Pend Oreille by controlling lake elevations, for environmental costs for mitigation and BiOp actions resulting from operations for flood risk management, and for joint costs allocated to flood risk management .

RC: \$1,061,000 - Albeni Falls has four major recreation areas and two day-use areas, with the largest campground program in Seattle District. Funds are for operating and maintaining recreation areas safely for public use. This includes hiring park attendants; garbage collection and grounds maintenance; utilities for all the facilities; campsites, and beaches; water safety activities; and security for our visitors.

H: \$0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of the hydropower plant is directly funded by Bonneville Power Administration.

EN: \$29,000 - Funds compliance with environmental mandates and legal requirements in areas such as mitigation, endangered species protection, cultural resources management, healthy & sustainable lands and waters, level one natural resources inventory completion, and master plan completion. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 - N/A

OTHER INFORMATION: The project produced a total of 230.5 gigawatts with an approximate value of \$6,797,000. Total visitation to this project for FY13 was 316,109 visitors.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dworshak Dam and Reservoir, ID

AUTHORIZATION: PL 87-874 (Flood Control Act of 1962)

LOCATION AND DESCRIPTION: A multi-purpose project located in Northern Idaho on the north fork of the Clearwater River; near Orofino, ID. The project is part of the Federal Columbia River Power System. The project includes the dam, a reservoir that has a gross storage capacity of 3,468,000 ac-ft of water, a powerhouse with an installed capacity of 400 Megawatts, 30,935 acres of land that provides recreation facilities and wildlife mitigation habitat, and the Dworshak National Fish Hatchery.

ALLOCATION FOR FY 2014: \$4,754,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,023,000 **O:** \$1,709,000 **T:** \$2,732,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$267,000 – Funds will be used for dam safety routine activities including the collection of instrumentation data, evaluation, and surveys to monitor dam performance; water management control coordination and water quality analysis; and Hydraulic Steel Structures Safety inspections. Provides the navigation component for the operations and maintenance of the joint purposes of the project and environmental stewardship.

FRM: \$1,440,000 – Funds routine operations and maintenance of the dam, routine bridge inspections, instrumentation maintenance and repair, Hydraulic Steel Structures inspections, dam safety training, flood damages reports and inspection and data collection. Non-routine will fund monolith joint drains repair and interim risk reduction measures to install seepage measurement equipment. Provides the flood risk management component for the operations and maintenance of the joint purposes of the project and environmental stewardship.

RC: \$787,000 – Funding will allow the Corps to meet minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services (including visitor assistance, security, water safety), Real Estate services to manage outgranted recreation areas, and support to leased activities not managed by the District.

H: \$0 – Routine operation and maintenance of the hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$238,000 – Funding will be used to meet the operations and maintenance requirements for the environmental stewardship mission. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lucky Peak Dam and Lake, ID

AUTHORIZATION: PL 79-526 (Flood Control Act of 1946)

LOCATION AND DESCRIPTION: Project is located in Southern Idaho on the Boise River, 15 minutes from Boise, Idaho. The project includes the dam, a flood control and irrigation reservoir that has a gross storage capacity of 306,000 acre-feet of water. The reservoir and 4,288 acres of land provides recreation facilities to over a million visitors annually and valuable wildlife mitigation habitat.

ALLOCATION FOR FY 2014: \$2,359,000

BUDGETED AMOUNT FOR FY 2015: M: \$774,000 O: \$1,844,000 T: \$2,618,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – N/A

FRM: \$1,665,000 – Funding will be used to meet the operations and maintenance requirements of the flood risk management mission. Activities include performing routine operations of the dam, routine maintenance, routine bridge inspections, instrumentation maintenance and repair, to update emergency notification plan, dam safety training, security guards, flood damages reports and inspection and data collection; and environmental costs for mitigation and BiOp actions resulting from operations for flood risk management. Non-Routine activities include a boundary survey and reestablishment of monuments and markers.

RC: \$761,000 – Funding will allow the Corps to meet minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services (including visitor assistance, security, water safety), Real Estate services to manage out-granted recreation areas, and support to leased activities not managed by the District.

H: \$0 – N/A

EN: \$192,000 – Funding will be used to meet the operations and maintenance requirements for the environmental stewardship mission. To manage and conserve natural resources, consistent with ecosystem management principles, specific activities will include operation and maintenance of lands and wildlife mitigation areas designed to protect, restore and conserve natural resources within project. Also includes funding for water quality activities and section 106 funding required for cultural resources mandates, clearances and inspections. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

KANSAS

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Clinton Lake, KS

AUTHORIZATION: Flood Control Act of 1962 (P.L. 87-874)

LOCATION AND DESCRIPTION: The project is located on the Wakarusa River, one mile west of Lawrence, in Douglas County, Kansas. The project includes an earth-fill dam 9,250 feet long with a crest 114 feet above the original streambed, and reservoir total storage capacity of 411,200 acre-feet. This project provides flood protection, water supply, recreation, water quality and fish and wildlife management to the State of Kansas and the region.

ALLOCATION AMOUNT FOR FY 2014: \$ 2,428,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 266,000 O: \$ 2,278,000 T: \$ 2,544,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,522,000 – Operation and maintenance of the admin facilities, dam, control tower, and outlet works. Funding will be used to operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, routine and annual inspections, and to install additional insulation to admin and maintenance buildings.

FRM-SUS15: \$15,000 - Add insulation to admin and maintenance buildings to meet energy/fuel efficiency requirements. 2/

RC: \$829,000 - Operation and maintenance of facilities and activities for the general public such as camping, fishing, boating, swimming, hiking, etc. for approx. 1,700,000 visitors per year. FY15 funding will be used to maintain recreation facilities including roads, water and wastewater treatment, and showers and restrooms. FY15 funding will also be used to operate visitor assistance, fee collection, mowing, vegetative control, fleet, Title 36 enforcement, water and public safety, law enforcement, etc. The project utilizes volunteer labor valued at \$85,000 annually to assist with maintenance activities, helping to reduce some expenses.

H: \$0 – NA.

EN: \$180,000 – Basic stewardship, curation of cultural resources, and compliance with Sections 106 and 110 of the National Historic Preservation Act. FY15 funding will be used to operate project review, field investigations, and coordinate with various state historical societies for 144 sites. Other FY15 operation activities include maintain or improve prairie grass stands, control erosion, water quality sampling and testing, and enhance wildlife carrying potential by providing wildlife food plots on approximately 14,400 acres. Conservation efforts also focus on the control and reduction of noxious weeds on approximately 10,000 acres and invasive species on 5,000 acres.

WS: \$13,000 – Critical routine operations performed under the existing Water Supply Agreement. The Project supplies 3.4 billion gallons per year.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1977 is \$1.2 billion.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package FRM-SUS15 (Budget Item ID: CL-SI-344) has been specifically selected and funded as additional funding to the project's O&M budget request in the business line as indicated above. The amount identified as SUSFY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hillsdale Lake, KS

AUTHORIZATION: Flood Control Act of 1954 (P.L. 83-780)

LOCATION AND DESCRIPTION: The project is located approximately twelve miles above the mouth of Big Bull Creek, a tributary of the Marais des Cygnes River and about five miles north of Paola, in Miami County, Kansas. The project includes an earth-fill embankment about 11,600 feet long (including approximately 3,300 feet of dike section) with a crest 100 feet above the original streambed, and reservoir storage capacity of 163,900 acre-feet. This project provides flood protection, water supply, water quality, recreation, and fish and wildlife management to the State of Kansas and the region.

ALLOCATION AMOUNT FOR FY 2014: \$ 1,118,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 118,000 O: \$ 852,000 T: \$ 970,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$797,000 – Operation and maintenance of the admin facilities, dam, control tower, and outlet works. FY15 funding will be used to operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, routine and annual inspections. Also includes cyclical routine 5-year periodic dam safety inspection and dewatering

RC: \$108,000 – Minimal operation and maintenance of the existing Visitor Center and oversight of the recreation program by Kansas Department of Wildlife, Parks, and Tourism (KDWPT) for approximately 1,088,000 visitors per year. FY15 funding will be used to manage KDWPT leases, construct energy efficiency improvements for the Visitor Center, and manage volunteer assistance to keep Visitor Center partially open to the public. The Project utilizes volunteer labor valued at \$58,000 annually to assist in the visitor's center and to perform misc. activities to reduce expenses.

REC-SUS15: \$50,000 - Replace low efficiency (80%) heating and air conditioning system with new efficient system. 2/

H: \$0 – N/A

EN: \$52,000 – Basic stewardship, curation of cultural resources, and compliance with Sections 106 and 110 of the National Historic Preservation Act. FY15 funding will be used to operate project review and field investigations, and coordinate with various state historical societies for 142 sites. Other FY15 operation activities include: maintain or improve prairie grass stands, control erosion, water quality sampling and testing, and enhance wildlife carrying potential by providing wildlife food plots on 8,000 acres. Conservation efforts focus on the control and reduction of noxious weeds on 6,000 acres and invasive species on 4,000 acres.

WS: \$13,000 – Critical routine operations performed under the existing Water Supply Agreements. The Project supplies 1.8 billion gallons per year to eleven rural water districts in the region.

OTHER INFORMATION: . Project cumulative flood damages prevented since the project was put in service in 1981 is \$33 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Kansas City

Hillsdale Lake, KS

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package REC-SUS15 (Budget Item ID: HI-SI-031) has been specifically selected and funded as additional funding to the project's O&M budget request in the business line as indicated above. The amount identified as SUSFY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kanopolis Lake, KS

AUTHORIZATION: Flood Control Acts of 1938 (P.L. 75-761), 1941 (P.L. 77-228), 1944 (P.L. 78-534)

LOCATION AND DESCRIPTION: The project is located in Ellsworth County at mile 184 on the Smoky Hill River and eleven miles northwest of Marquette, Kansas. The project includes an earth-fill dam with a crest of 121 feet above the original streambed, having a total length of 15,360 feet, including dike sections on the left and right abutments ; and reservoir storage capacity of 413,500 acre-feet. Project purposes include flood protection, recreation, fish and wildlife, water quality and water supply benefits to the State of Kansas and region.

ALLOCATION AMOUNT FOR FY 2014: \$ 1,417,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 336,000 O: \$ 1,492,000 T: \$ 1,828,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,063,000 – Routine operation and maintenance of the admin facilities, dam, control tower and outlet works. Funding will be used to operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, routine and annual inspections, and preparation for periodic assessment to occur in first quarter of FY16.

RC: \$440,000 – Routine operation of facilities and activities for general public use such as camping, fishing, boating, swimming, hiking, etc., for approximately 225,000 visitors per year at two Class A parks. Funding will maintain recreation facilities including roads, water and wastewater treatment, showers, and restrooms. It will also be used to operate visitor assistance, fee collection, mowing, vegetative control, fleet, Title 36 enforcement, water and public safety, law enforcement, etc. The project utilizes volunteer labor valued at \$21,000 annually to assist with maintenance activities, helping to reduce some expenses. The Project collects \$70,000 in associated recreation related fees annually.

H: \$0 – N/A

EN: \$312,000 – Routine operations of basic stewardship on 13,000 acres, curation of cultural resources, and compliance with National Historic Preservation Act. Funding will be used to manage lands and waters e.g. tree cutting/pruning, seeding, erosion control, gate installation and maintenance, controlled burns, detection and control of invasive species, food plots, and lake wide water sampling.

WS: \$13,000 – Basic administration of existing Water Supply Agreement. The Project supplies 225 million gallons per year.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1948 is \$1.6 billion.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Melvern Lake, KS

AUTHORIZATION: Flood Control Acts of 1954 (P.L. 83-780)

LOCATION AND DESCRIPTION: The project is located in Osage County, Kansas, eight miles south of Lyndon. The project includes a 6,930 acre lake with 17,248 acres of land surrounding. The earth-filled dam is 9,700 feet long with a crest of 119 feet. The reservoir has a storage capacity of 358,600 acre-feet. The project provides flood protection, water supply, water quality, fish and wildlife management and recreation for northeast Kansas.

ALLOCATION AMOUNT FOR FY 2014: \$ 2,181,000

BUDGETED AMOUNT FOR FY 2015: M: \$684,000 O: \$1,976,000 T: \$2,660,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,735,000 – Routine operation and maintenance of the admin facilities, dam, control tower, and outlet works. Typical activities include gate adjustments, embankment mowing and monitoring, instrument reading, structure repairs, annual inspections, and contract management. Special items included in FY15 are Periodic Dam Safety Inspection, Periodic Bridge Safety Inspections, and dewatering of stilling basin. Sustainability items will refurbish the Corps owned electrical distribution system, and replace existing heating/air conditioning unit with a geothermal heat pump system.

FRM-SUS15: \$325,000 - Refurbish Corps owned electrical distribution system to reduce peak rate charges (\$250,000), and add a geothermal heat pump to reduce propane and electrical costs (\$75,000). 2/

RC: \$745,000 – Routine operation and maintenance of public recreation facilities including campgrounds, beaches, day-use parks, trails, fishing docks, boat ramps, hunting sites, and sightseeing areas. Funding level will maintain a level of service that will ensure safe recreation experiences with clean, orderly facilities to support over 7,500,000 visitor hours per year. Melvern Lake provides various recreational activities at five public use areas and surrounding lands. Maintenance of facilities is by staff and through service contracts such as law enforcement, mowing, cleaning and gate attendants. The project utilizes volunteer labor valued at \$76,000 annually to assist with maintenance activities, helping to reduce some expenses. The project collects \$280,000 in associated recreation fees annually.

H: \$0 – NA.

EN: \$167,000 – Provides for basic stewardship of natural resource management, curation of cultural resources, and compliance with the National Historic Preservation Act. Funding at this level will provide minimal boundary surveillance, prescribed burning, vegetative management, detection/control of invasive species, and lake water quality sampling.

WS: \$13,000 – Provides administration of the existing water supply agreement. The water supplied from the Project is valued at over \$4.8 million annually and includes downstream supplemental flows.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1973 is \$221 million.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work packages FRM-SUS15 (ME-SI-31 and ME-SI-600) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line as indicated above. The amounts identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Milford Lake, KS

AUTHORIZATION: Flood Control Act of 1954 (P.L. 81-780)

LOCATION AND DESCRIPTION: Located in Geary, Dickinson, Clay, and Riley Counties, on the Republican River about ten miles above the confluence of the Republican and Smoky Hill Rivers, which form the Kansas River; near Fort Riley, Kansas and about four miles northwest of Junction City, Kansas. An earth-fill dam 6,300 feet long with a crest 143 feet above the original streambed, and reservoir storage capacity of 1,131,000 acre-feet. The project provides flood protection, water supply, water quality control, fish and wildlife management, navigation flow support, and recreation for northeast Kansas.

ALLOCATION AMOUNT FOR FY 2014: \$ 2,351,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 244,000 O: \$ 1,930,000 T: \$ 2,174,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,106,000 - Routine operation and maintenance of the admin facilities, dam, control tower, and outlet works. Funding will be used to operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, and routine and annual inspections.

RC: \$922,000 - Recreation funding provides for the operation and maintenance of facilities and activities for the general public such as camping, fishing, boating, trail opportunities, hunting and site seeing for over nine million visitor hours per year. The project annually collects \$180,000 in associated recreation related fees. Milford Lake operated with a staff of nine permanent employees, three summer hires, and utilized 88 volunteers, which provided 2,955 hours of work valued at \$64,000, to assist with park operation and maintenance thereby reducing expenses.

H: \$0 – NA.

EN: \$132,000 – Provides basic stewardship of cultural resources and compliance with Sections 106 and 110 of the National Historic Preservation Act. Investigations include Project review of leasehold requests, field investigations, and coordination with various state historical societies. Also included is detection and control of invasive species, lake wide water sampling, and monitoring of active bald eagle nests, and necessary actions to prevent degradation and loss of natural resources.

WS: \$14,000 – Basic administration of existing Water Supply Agreement.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1977 are \$1.3 billion. Milford Lake provides critical support to the Missouri River during times of flooding and navigation flow support during periods of drought.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Perry Lake, KS

AUTHORIZATION: Flood Control Act of 1954 (P.L. 81-780)

LOCATION AND DESCRIPTION: The project is located on the Delaware River, two miles north of Perry, in Jefferson County, Kansas. The project includes an earth-fill dam 7,750 feet long with a crest 121 feet above the original streambed, and reservoir storage capacity of 715,500 acre-feet. This project provides flood protection, water supply, water quality control, fish and wildlife management, and recreation for northeast Kansas.

ALLOCATION AMOUNT FOR FY 2014: \$ 2,300,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 405,000 O: \$ 1,989,000 T: \$ 2,394,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,158,000 - Routine operation and maintenance of the admin facilities, dam, control tower, and outlet works. Funding will be used to operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, and routine and annual inspections.

RC: \$1,061,000 - Operation and maintenance of facilities and activities for the general public such as camping, fishing, boating, trail activities, hunting and site seeing adventures for approximately six-million visitor hours per year. Funding will be used to maintain recreation facilities including roads, water and wastewater treatment, showers and restrooms. Funding will also be used to operate visitor assistance, fee collection, mowing, vegetative control, fleet, Title 36 enforcement, water and public safety, law enforcement, etc. Perry Lake uses volunteers to assist with maintenance activities with a value of \$263,000 in savings to the Government.

H: \$0 – NA

EN: \$162,000 - Routine operation of basic stewardship, curation of cultural resources, and compliance with National Historic Preservation Act on 11,200 acres of Federal lands. Funding will be used to manage lands and waters with basic stewardship techniques such as tree cutting/pruning, seeding, erosion control, gate installation and maintenance, controlled burns, detection and control of invasive species, food plots, and lake wide water quality sampling and testing. Funding will also be used to complete shoreline management, boundary surveillance, and management of outgrant wildlife areas to the State of Kansas.

WS: \$13,000 - Routine administration of the existing Water Supply Agreement.

OTHER INFORMATION: Project cumulative flood damage prevented since the project was put in service in 1969 is \$5.4 billion. Perry Lake provides critical support to the Missouri River during times of flooding and navigation flow support during periods of drought.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pomona Lake, KS

AUTHORIZATION: Flood Control Act of 1954 (P.L. 83-780)

LOCATION AND DESCRIPTION: The project is located in Osage County, Kansas, eight miles northwest of Pomona and thirty-four miles upstream from Ottawa. The project includes a 3,865 acre lake with 8,445 acres of land surrounding. The earth-filled dam is 7,750 feet long with a crest 119 feet above the original streambed. The reservoir has a storage capacity of 239,500 acre-feet. This project provides flood protection, water supply, water quality, fish and wildlife management and recreation for northeast Kansas.

ALLOCATION AMOUNT FOR FY 2014: \$ 1,984,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 477,000 O: \$ 1,678,000 T: \$ 2,155,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,259,000 – Provide critical routine operation and maintenance functions on the earthen dam structure. The embankment includes an intake/double gated outlet structure with a 720 foot conduit, and a 200 foot uncontrolled spillway. Typical activities include gate adjustments, embankment mowing and monitoring, instrument reading, structure repairs, and contract management.

RC: \$702,000 – Provides for operation and maintenance of public recreation facilities including campgrounds, beaches, day-use parks, trails, fishing docks, boat ramps, hunting sites and sightseeing areas. The FY15 funding level will maintain a minimal level of service to ensure safe recreation experiences with clean, orderly facilities to support over 3.6 million visitor hours per year. Pomona provides various recreational activities at seven public use areas, and surrounding lands. Maintenance of facilities is typically performed by staff and service contracts such as law enforcement, mowing, cleaning, and gate attendants. Fees collected are approximately \$127,000 annually. The use of volunteer labor valued at \$65,000 annually assists with maintenance activities, which reduce expenses.

H: \$0 – NA.

EN: \$172,000 - Provides for basic stewardship of natural resource management, cultural resources and compliance with the National Historic Preservation Act. Funding at this level will provide minimal boundary surveillance, prescribed burning, vegetative management, detection and control of invasive species, and lake water quality sampling.

WS: \$22,000 – Critical routine operation performed under the existing water supply agreement. The Project supplies 55 million gallons per year. The Project also typically provides, annually, around 7,000 acre feet of water for supplemental water quality downstream for the State water assurance district.

OTHER INFORMATION: Cumulative flood damages prevented since going into service in 1963 through September 2012 total over \$210 million.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tuttle Creek Lake, KS

AUTHORIZATION: Flood Control Acts of 1938 (P.L. 75-761), 1941 (P.L. 77-228), 1944 (P.L. 78-645), WRDA 1986 (P.L. 99-662)

LOCATION AND DESCRIPTION: The project is located at mile 10 on the Big Blue River, six miles north of Manhattan in Riley and Pottawatomie Counties, Kansas. An earth and rock-fill dam 7,500 feet long with a crest 166 feet above the original streambed, gated outlet works, and gated concrete spillway. The reservoir storage capacity is 2,141,300 acre-feet. The project provides flood protection, low-flow supplementation to the Kansas and Big Blue Rivers, navigation supplementation on the Missouri River, water quality, and recreation to the State of Kansas and the region.

ALLOCATION AMOUNT FOR FY 2014: \$ 2,572,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 355,000 O: \$ 1,903,000 T: \$ 2,258,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,615,000 - Routine operation and maintenance of the admin facilities, dam, levees, control tower, service emergency gates, and outlet works. Includes periodic bridge safety inspections, preparation for dewatering and periodic dam safety inspections, and cost to monitor and evaluate nesting activities of least tern and piping plover for Biological Opinion mitigation actions resulting from flood risk management operations. Funding will be used to operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, and routine and annual inspections.

RC: \$490,000 – Routine operation and maintenance for two Class A campgrounds and four day-use park areas. One Class A campground is monitored by volunteer labor (camp host/custodians) and three day-use areas are monitored only by periodic ranger patrol. The remaining parks are monitored by contracted camp hosts/custodians. Annual average visitation is 2 million visitor hours.

H: \$0 – NA.

EN: \$138,000 – Routine operation of basic stewardship, curation of cultural resources, and compliance with the National Historic Preservation Act. Includes erosion control projects, gate installation and maintenance, controlled burns, detection and control of invasive species, water sampling, and bald eagle nest monitoring. Cost for mitigation and Missouri River Biological Opinion actions resulting from operations for flood risk management been distributed to those purposes.

WS: \$15,000 - Critical routine operation for water supply agreement flows for water supply and water quality are met, and also at times navigation support flows for the Missouri River are met.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1962 are \$6.6 billion.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wilson Lake, KS

AUTHORIZATION: Flood Control Act of 1944 (P.L. 78-534)

LOCATION AND DESCRIPTION: Wilson Lake is located in Russell and Lincoln Counties on the Saline River and twenty miles east of Russell, Kansas. The project includes an earth-fill dam 5,600 feet long with a crest 172 feet above the original streambed, with reservoir storage capacity of 766,300 acre-feet. Project purposes include flood protection, recreation, fish and wildlife, and water quality.

ALLOCATION AMOUNT FOR FY 2014: \$ 3,120,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 383,000 O: \$ 1,631,000 T: \$ 2,014,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,400,000 - Routine operation and maintenance of the admin facilities, dam, control tower, and outlet works. Funding will be used to operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, routine and annual inspections, and cyclic periodic dam safety inspection, periodic dam safety assessment, and stilling basin dewatering. Includes replacement of elevator circuit control panel with a solid state control box, installation of six inclinometers to monitor stilling basin wall movement, and additional piezometers in the sandstone stratum to provide more accurate data.

RC: \$501,000 – Routine operation of facilities and activities for the public such as camping, fishing, boating, swimming, hiking, and other activities for approximately 275,000 visitors per year. Funding will be used to maintain recreation facilities including three Class A parks and single day use areas, roads, water and wastewater treatment, and showers and restrooms. Work includes visitor assistance, fee collection, mowing, vegetative control, fleet management, Title 36 enforcement, water and public safety, and law enforcement. The project utilizes volunteer labor valued at \$17,000 annually to assist with maintenance activities, helping to reduce some expenses.

H: \$0 – NA.

EN: \$103,000 – Provides for basic stewardship, curation of cultural resources, and compliance with the National Historic Preservation Act for 84 sites across over 7000 acres. Typical activities are cultural resource inspections, tree cutting, prairie management, erosion control, prescribed burning, detection and control of invasive and noxious species, lake wide water sampling and testing, wildlife food plots and wetland development.

WS: \$10,000 - Critical routine operations performed under the existing Water Supply Agreement.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1964 are \$1.65 billion.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

MISSOURI

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Harry S. Truman Dam and Reservoir, MO

AUTHORIZATION: Flood Control Acts of 1938 (P.L. 75-761), 1941(P.L. 77-228), 1944 (P.L. 78-534)

LOCATION AND DESCRIPTION: Harry S Truman Dam is located one mile west of Warsaw, Missouri. This project has an earth-fill dam, a tainter gate controlled spillway; and powerhouse with six inclined pump-generating units with a combined nameplate capacity of 160,000 kilowatts; and 5,187,000 acre-feet reservoir storage capacity. This project provides flood protection, hydropower, water supply, fish and wildlife, and recreation to central Missouri.

ALLOCATION AMOUNT FOR FY 2014: \$ 9,131,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 2,759,000 O: \$ 6,552,000 T: \$ 9,311,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$999,000 – Routine operation and maintenance of admin facilities, dam, intake structures, and outlet works. Funding will operate hydrologic control center, engineering support, river gauging stations, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, routine and annual inspections, and flood risk management joint operating costs.

F-SUS15: \$21,100 FRM joint cost to replace doors and insulation in maintenance building to reduce air infiltration and significantly reduce fuel consumption. 2/

RC: \$2,505,000 – Operation and maintenance to include labor, service contracts, utilities, General Services Administration fleet expenses, materials and supplies to accomplish the recreation mission and the recreation component of the joint operating costs. Recreation facilities under Corps of Engineers management include: Nine campgrounds with over 1100 campsites, six swim beaches, and thirteen boat ramps. The program supports over 16 million visitor hours and generates recreation annual revenues of \$536,000. Volunteers contributed labor valued at \$199,000.

RC-SUS15: \$66,200 REC joint cost to replace doors and insulation in maintenance building to reduce air infiltration and significantly reduce fuel consumption. 2/

H: \$4,767,000 – Critical routine operations, maintenance, and repairs necessary to prevent forced unit outages; lost power production; and revenue for the U.S. Treasury and the hydropower component of the joint operating costs. Average annual plant capacity and energy benefits is \$20,700,000. Ensure compliance with North American Electric Reliability Corporation standards, avoid notice of violations, costly penalties, and repair of Unit 6 main shaft coupling stud failure.

H-SUS15: \$27,700 HYD joint cost to replace doors and insulation in maintenance building to reduce air infiltration and significantly reduce fuel consumption. 2/

EN: \$1,029,000 – Operations of basic stewardship, curation of cultural resources, National Historic Preservation Act compliance, and the environmental stewardship component of the joint operating costs. Funding will manage lands and waters e.g. tree cutting/pruning, seeding, erosion control, gate installation and maintenance, controlled burns, detection/control of invasive species, food plots, and water sampling.

EN-SUS15: \$18,000 ENS joint cost to replace doors and insulation in maintenance building to reduce air infiltration and significantly reduce fuel consumption. 2/

WS: \$11,000 – Basic administration of existing Water Supply Agreement and the water supply component of the joint operating costs.

OTHER INFORMATION: Foundation drain rejuvenation and a sustainability project to eliminate air infiltration into maintenance building will be funded as a joint operating cost. Project cumulative flood damages prevented since the project was put in service in 1977 is \$1.9 Billion.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work packages FRM-SUS15, REC-SUS15, HYD-SUS15, and EN-SUS15 (HT-SI-268) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line as indicated above. The amounts identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Little Blue River Lakes, MO

AUTHORIZATION: Flood Control Acts of 1968 (P.L. 90-483)

LOCATION AND DESCRIPTION: Little Blue River Lakes consists of two multipurpose lakes in Kansas City, Missouri and is located in Jackson County. Blue Springs Lake on the East Fork of the Little Blue River about ½ mile south of U.S. Highway 40, and Longview Lake on the main stem at approximately 109th Street. Blue Springs Dam is an earth-fill embankment 2,500 feet long with a crest 80 feet, and total reservoir storage capacity of 26,600 acre-feet. Longview Dam is an earth-fill embankment 1,900 feet long with a crest 117 feet, and total reservoir storage capacity of 46,900 acre-feet. The project provides flood protection, water quality, water supply and recreation to the greater metropolitan Kansas City area.

ALLOCATION AMOUNT FOR FY 2014: \$ 927,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 85,000 O: \$ 831,000 T: \$ 916,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$798,000 – Routine operation and maintenance of administrative facilities, dam, control tower, and outlet works; including onsite operation of gates for flood and low flow releases for water quality, instrumentation reading, routine and annual inspections, administration/oversite of all real estate actions, and contracting/purchasing requirements. Provides needed support functions: Engineering, Planning, Real Estate, Office of Counsel, Contracting and District Operations, USGS river gauges, water management, and water quality. Includes funding for periodic bridge safety inspection.

RC: \$27,000 – Minimal operation and maintenance of the existing Visitor Center and administrative area. Funding will be used for oversight of cost share recreation program for approximately 900,000 visitors per year, to manage recreation related leases and licenses, outgrant inspections and administration, outreach programs and the volunteer program. The project utilizes volunteer labor valued at \$44,000 annually to cover visitor assistance, grounds clean up, and to perform various maintenance activities to reduce expenses.

H: \$0 – NA.

EN: \$83,000 – Minimal operations of basic stewardship requirements, site inspection, identification and curation of cultural resources and compliance with National Historic Preservation Act. Funding will be used to manage lands and waters operated by the Corps for tree cutting/pruning, seeding, erosion control, gate placement and repairs, post and cable installation and maintenance, controlled burns, detection and control of invasive species, food plots, and lake wide water sampling.

WS: \$8,000 – Basic routine administrative responsibilities performed under the existing Water Supply Agreement with Jackson County Parks for golf course irrigation.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1988 is \$50.8 million.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Long Branch Lake, MO

AUTHORIZATION: Flood Control Acts of 1965 (P.L. 89-298)

LOCATION AND DESCRIPTION: The project is located on the East Fork Little Chariton River in north central Missouri, about two miles west of Macon, in Macon County. An earth-fill dam 3,800 feet long with a crest 76 feet above the original streambed, and total reservoir storage capacity of 64,500 acre-feet. This project provides flood protection, water supply, water quality, fish and wildlife and recreation benefits for north central Missouri.

ALLOCATION AMOUNT FOR FY 2014: \$ 1,097,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 90,000 O: \$ 840,000 T: \$ 930,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$711,000 – Critical Routine operation and maintenance of dam, intakes, control tower, conduits, outlet channels, structures, and administration facilities for flood risk management. Typical activities include gate adjustments, embankment mowing and monitoring, instrument reading, and contract management.

RC: \$121,000 – Routine operation and maintenance of recreation facilities and activities for the general public such as camping, fishing, boating, trail opportunities, hunting and site seeing. Parks at this project are operated by the State of Missouri which keeps operation and maintenance costs for recreation at a minimum. Typical operation and maintenance activities include interpretive services, water safety, sign program, and law enforcement; and maintenance of miscellaneous facilities such as access roads, parking areas, visitor center, kiosks, boat ramps, and restrooms. FY13 public visitation was 157,000.

H: \$0 – NA.

EN: \$90,000 – Basic stewardship of natural environments, cultural resources, and compliance with Sections 106 and 110 of the National Historic Preservation Act. Typical activities are tree cutting/pruning, seeding, shoreline erosion control, gate installation and maintenance, controlled burns, detection and control of invasive species, lake wide water sampling, and monitoring/protection of eagle nests.

WS: \$8,000 – Basic administration of existing Water Supply Agreement. The Project collected approximately \$95,000 from water supply revenues in FY13 from the City of Macon, MO.

OTHER INFORMATION: Flood Damages prevented from project implementation has totaled \$50.2 million. The project utilizes volunteers and partnerships to assist with maintenance activities, work valued at over \$2,000 in FY13, helping to reduce some of the operation and maintenance expenses.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pomme de Terre Lake, MO

AUTHORIZATION: Flood Control Acts of 1938 (P.L. 75-761), 1944 (P.L. 78-534), 1954 (P.L. 83-780)

LOCATION AND DESCRIPTION: The project is located in Hickory and Polk counties, four miles south of Hermitage and twenty miles north of Bolivar, Missouri. The project includes an earth and rock-fill dam 4,630 feet long with a dike section on the left abutment, crest of 156 feet, and a reservoir storage capacity of 644,200 acre-feet. This project provides flood protection, water quality, recreation, and fish and wildlife management to the State of Missouri and the region.

ALLOCATION AMOUNT FOR FY 2014: \$ 2,274,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 592,000 O: \$ 1,869,000 T: \$ 2,461,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,185,000 - Funding supports critical routine operation and maintenance of dam and appurtenant structures. Funds are utilized for labor, service contracts, utilities, General Services Administration fleet expenses, materials and supplies. Includes repair to emergency gate lifting beam to prevent further damage which could make the gate inoperable. Periodic inspection of bridges will occur in FY15. The dam provides direct flood protection for 21 river miles below the dam. The reservoir and dam provide flood reduction benefits for the Osage and Missouri Rivers.

RC: \$951,000 – Supports recreation program critical routine operation and maintenance. It includes service contracts, utilities, General Services Administration fleet expenses, materials and supplies. Recreation facilities under Corps of Engineers management include: 6 Day Use Areas, 6 Campgrounds with over 400 campsites, 2 swim beaches, 6 boat ramps and the associated facilities to support these areas. Includes sustainability items to replace inefficient lights and water heaters in order to reduce energy requirements, and reduce operational costs. The recreation program supports almost 12 million visitor hours and generates recreation revenues of \$286,000. Volunteers contribute 5,400 hours of labor worth \$119,000 to enhance the recreation program.

REC-SUS15: \$58,000 - Replace five water tanks and purchase 11 new on-demand propane water heaters (\$50,000), and replace 70 existing light fixtures with energy saving LED light fixtures (\$8,000) 2/

H: \$0 – NA.

EN: \$325,000 – Funding will be used to operate the Shoreline Management Program. It is the largest shoreline management program in Northwestern Division. This also funds the fisheries and wildlife management program with 7,800 acres of aquatic habitat and 8,100 acres of wildlife lands. The funding provides for basic stewardship of cultural resources, water quality monitoring, detection and control of invasive species, and compliance with the National Historic Preservation Act.

WS: \$0 – NA.

OTHER INFORMATION: Since being put into service in 1961, the project has provided \$69,241,500 in flood reduction benefits and provides an economic benefit from 1.5 million annual recreation visits of \$31,300,000 and the creation of 600 jobs.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Kansas City

Pomme de Terre Lake, MO

2/ / In accordance with FY15 Department of the Army budget guidance, sustainability and energy work packages REC-SUS15 (038 and 039) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line as indicated above. The amounts identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Smithville Lake, MO

AUTHORIZATION: Flood Control Act of 1965 (P.L. 89-298)

LOCATION AND DESCRIPTION: Smithville Lake is about one mile northeast of Smithville, Missouri, and about five miles north of Kansas City, in Clay and Clinton counties. The project includes an earth-fill dam, 4,200 feet long with a crest 96 feet above the original streambed with dike 2,400 feet long. The dam has gated outlet works and an uncontrolled service spillway, a total reservoir storage capacity of 241,500 acre-feet. The project provides flood protection, water supply, water quality and recreation to the surrounding area and greater metropolitan Kansas City, Missouri.

ALLOCATION AMOUNT FOR FY 2014: \$ 1,571,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 234,000 O: \$ 1,239,000 T: \$ 1,473,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,132,000 - Operation and maintenance of the administrative facilities, dam, control tower, and outlet works to include onsite operation of gates during flood conditions, low flow releases for water quality, instrumentation reading, routine and annual inspections, administration of all real estate actions and contracting/purchasing requirements. Funding includes the following support functions: Engineering, Planning, Real Estate, Office of Counsel, Contracting and District Operations, USGS river gauges, water management and water quality. Also, includes funding for periodic bridge safety inspection.

RC: \$127,000 – Operation and maintenance of a 10,000 square foot Class B Visitor Center with trail and group pavilion, maintenance compound, patrol of 30 public access points, cost share partner coordination; service contract administration (lawn mowing, janitorial, and refuse pickup); outgrant administration and oversight, fleet management, utilities, and fuel. Visitation is approximately 1.3 million visitors per year. Annual volunteer labor averages 3,500 hours valued at \$77,000.

H: \$0 – NA.

EN: \$203,000 – Provides for curation of cultural resources and compliance with the National Historic Preservation Act. Provides basic stewardship of soil, water, vegetative and wildlife resources on project lands; monitoring soil erosion on lake shore and implements necessary improvements by placing rip rap on eroded areas and planting native grass strips to establish erosion reduction zones. Also includes administration and oversight of 40 agriculture leases and removal of invasive species (zebra mussels, lespedeza, multi-flora rose, and honey locust).

WS: \$11,000 - Critical routine operation performed under the existing water supply agreements, and support to Clay County Parks, Cities of Smithville and Plattsburg, Missouri, for water supply operations.

OTHER INFORMATION: Project cumulative flood damages prevented since the project was put in service in 1982 is \$970 million.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Stockton Lake, MO

AUTHORIZATION: Flood Control Act of 1954 (Public Law 83-780)

LOCATION AND DESCRIPTION: Stockton Lake is located in Cedar, Dade, and Polk counties, approximately one mile east of Stockton, Missouri. The project is a rock-shell dam with impervious core 5,100 feet long with a crest 156 feet above the original streambed; a gate-controlled overfall spillway; and a powerhouse with a single generating unit with a nameplate capacity of 45,200 kilowatts. The reservoir storage capacity is 1,651,000 acre-feet. This project provides flood protection, hydropower, water supply, fish and wildlife, and recreation benefits to southwest Missouri.

ALLOCATION AMOUNT FOR FY 2014: \$ 4,943,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 782,000 O: \$ 3,893,000 T: \$ 4,675,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$1,033,000 – Critical routine joint maintenance and repair costs (i.e. vegetation removal, dam safety inspections, instrumentation, etc.) for the safe operation of the dam, and joint operating costs for water management (water control & quality) activities.

RC: \$1,647,000 – Operation and maintenance of facilities and activities for the public such as camping, fishing, boating, swimming, hiking, etc. Funding will be used for service contracts, utilities, fleet expenses, materials and supplies to accomplish the recreation mission. Includes nine campgrounds with over 500 campsites, five swim beaches, ten boat ramps and associated facilities to support those areas. The program supports over eight million visitor hours annually and collects \$375,000 in recreation fees. Volunteers contribute over 2,300 hours of labor worth \$52,000.

RC-SUS15: \$25,000 - Relocate ductwork chase to create proper air circulation and increase efficiency of the HVAC unit (\$10,000), and upgrade light fixtures with LED fixtures and replace existing thermostats with programmable thermostats (\$15,000). 2/

H: \$1,550,000 - Provides power plant generation, transmission equipment operating requirements, and compliance with North American Electric Reliability Corporation (NERC) reliability and Department Of Defense Information Assurance Certification and Accreditation Process (DIACAP) standards. This is a power plant that normally provides about 53 million KWH annually during highest peak demand periods each day with a single turbine unit. The plant is undergoing a major rehabilitation with new rotors, stators, runner, hub, transformer, and ancillary equipment, and is scheduled to return to full operation in 2014.

EN: \$187,000 – This provides for basic stewardship of cultural resources at lake projects and compliance with the National Historic Preservation Act. Includes tree cutting/pruning, seeding, erosion control projects, gate installation and maintenance, controlled burns, detection and control of invasive species, water sampling, and bald eagle monitoring of eagle nests.

WS: \$258,000 - Critical routine operations performed under the water supply agreement, and initiate water supply reallocation study.

OTHER INFORMATION: Cumulative flood damages prevented since project implementation in 1969 totals \$206.9 million.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Kansas City

Stockton Lake, MO

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work packages REC-SUS15 (032 and 035) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line as indicated above. The amounts identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

MONTANA

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Fort Peck Dam & Lake, MT

AUTHORIZATION: PL 74-409, PL 75-259, PL 75-529, PL 74-409, PL 92-500, PL 93-205, PL 99-662

LOCATION AND DESCRIPTION: The project is located twenty miles southeast of Glasgow, Montana on Montana Highway 24. Construction began in 1933 and was completed in 1940. The dam is 21,026 feet long and has a maximum height of 250.5 feet. The lake behind the dam measures 134 miles long and a maximum depth of 220 feet. The water at Fort Peck provides benefits of the flood damage reduction, power generation, navigation, fish and wildlife, recreation, irrigation, water supply and water quality.

ALLOCATION FOR FY 2014: \$ 5,485,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 1,601,000 O: \$ 4,497,000 T: \$ 6,098,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: \$ 986,000 – Funding will provide the joint portion of activities serving multiple project purposes allocated to Navigation.

N-SUS15: \$ 13,000 – Purchase electric service vehicles 2/

FRM: \$ 1,353,000 - Funding will provide the joint portion of activities serving multiple project purposes allocated to flood risk management.

F-SUS15: \$ 18,000 – Purchase electric service vehicles 2/

RC: \$ 1,141,000 - Funding will provide for critical routine O&M activities and management of recreation facilities, which include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, recreation use fee management, and completion of updates to required management plans.

H: \$ 2,122,000 – Funding will provide the joint portion of activities serving multiple project purposes allocated to hydropower. Funding for routine O&M activities and management expenses of hydropower facilities are provided by the Fort Peck continuing fund, which is managed by Western Area Power Administration and funded through customer receipts.

H-SUS15: \$ 25,000 – Purchase electric service vehicles 2/

EN: \$ 496,000 – Funding will provide for critical routine O&M activities and management for the Environmental Stewardship. Activities include cultural resources management activities, natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, real estate use evaluations and management plan updates.

WS: \$0 - N/A

OTHER INFORMATION: Multi-purpose activities include maintenance of spillway and outlet structures, dam safety monitoring, studies and inspections, reservoir scheduling and real estate management. Cumulative flood damages prevented, from the beginning to FY12, \$12.3 billion. Plant installed generation capacity of 185 Megawatts, produced \$35 million in power production in FY12.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to

Division: NWD

District: Omaha

Fort Peck Dam & Lake, MT

the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Libby Dam (Lake Kocanusa), MT

AUTHORIZATION: Flood Control Act of 1950 (PL81-516)

LOCATION AND DESCRIPTION: Libby Dam is located on the Kootenai River in Lincoln County, MT, 17 road miles northeast of the town of Libby on State Highway 37. The Libby Dam is a multi-purpose concrete gravity dam. Its operations primarily benefit flood control, power generation and regulation of stream flow for sixteen downstream hydroelectric projects. The powerhouse came on line in 1975 and has five turbines with a total installed rated capacity of 605 megawatts. Libby Dam is a high head dam and holds back 90 miles of water in Lake Kocanusa. Forty-eight miles of the reservoir lie within U.S. borders, the other 42 miles are in Canada.

CONFERENCE AMOUNT FOR FY 2014: \$1,794,000

BUDGETED AMOUNT FOR FY 2015: M: \$133,000 O: \$1,842,000 T: \$1,975,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 - N/A.

FRM: \$936,000 - Libby Dam provides storage for downstream flood protection in the Kootenai River and lower Columbia River. Funding will be utilized for operating and maintaining the dam structure, supporting facilities and equipment. Provides the appropriated match component of the operations and maintenance of the joint features of the project, which are non-hydropower specific; and the environmental stewardship costs for mitigation and BiOp actions resulting from operations for Flood Risk Management.

RC: \$488,000 - Recreation is one of the congressionally authorized purposes as part of the enabling legislation that authorized Libby Dam. Included in this mission is visitor assistance, a Class A visitor center, campgrounds, boats ramps, swimming facilities and day use areas. This funding also funds hiring seasonal park rangers to accommodate increased visitation in summer months.

H: \$0 - Routine operation and maintenance of Hydropower plant is direct funded by the Power Marketing Agency.

EN: \$551,000 - Libby Dam carries out the full range of responsibilities in public lands stewardship, including US Fish and Wildlife, Endangered Species Act requirements, cultural resources management, water quality and monitoring, environmental compliance coordination, and forestry. This funding also assures compliance with legal mandates and regulations regarding biological opinions. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$250,000 – LD-15-031 2/

WS: \$0 - N/A

OTHER INFORMATION: The visitation for FY12 was 191,379 and the estimated benefit to the local economy was \$4.5 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to

Division: NWD

District: Seattle

Libby Dam (Lake Kocanusa), MT

the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15. (NOTE: Remove this footnote and the footnote(s) in the table above if not applicable.)

NORTH DAKOTA

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Bowman Haley Lake, ND

AUTHORIZATION: PL 87-874.

LOCATION AND DESCRIPTION: Located twelve miles southeast of Bowman, North Dakota. Bowman-Haley Dam was constructed for flood damage reduction, fish and wildlife enhancement, and recreation, as well as municipal and industrial water supply. Construction of the dam began in June 1964 and was completed in 1966. The dam measures approximately 5,730 feet in length, with a maximum height of 79 feet from the stream bed to the top of the dam. Bowman-Haley Lake formed at the confluence of Spring Creek, Alkali Creek, and North Fork Grand River; has 17 miles of shoreline and an average depth of 39 feet.

ALLOCATION FOR FY 2014: \$222,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 88,000 **O:** \$ 214,000 **T:** \$ 302,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 254,000 - Funding will be used to meet the O&M requirements of the Flood Risk Management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine work includes outlet gate valve replacement, repair of automated piezometer system and project survey to support periodic dam safety assessment and inspection.

RC: \$ 6,000 - Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality outdoor recreation experiences for the public. Also funds the minimum real estate management needs of the project.

H: \$ 0 – NA

EN: \$ 34,000 – Funding will be used to meet the O&M requirements of the Environmental Stewardship mission as well as cultural resource management activities. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations and management plan updates.

WS: \$ 8,000 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 totals \$24 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Garrison Dam & Lake Sakakawea, ND

AUTHORIZATION: PL 78-534, PL 93-205

LOCATION AND DESCRIPTION: The Garrison Project is located 75 miles upstream from Bismarck, North Dakota. Garrison Dam construction began in 1947 and was completed in 1953. The dam measures 13,200 feet long and has a maximum height of 210 feet. Lake Sakakawea is 178 miles long with approximately 1,300 miles of shoreline and a maximum depth of 180 feet. The water at Garrison Dam provides benefits of flood damage reduction, power generation, navigation, fish and wildlife, recreation, irrigation, water supply and water quality.

ALLOCATION FOR FY 2014: \$ 12,204,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 2,817,000 **O:** \$ 9,886,000 **T:** \$ 12,703,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 1,152,000 – Funding will provide the joint portion of activities serving multiple project purposes allocated to Navigation.

N-SUS15: \$ 58,000 – Purchase electric vehicles, improve building insulation 2/

FRM: \$ 2,186,000 - Funding will provide for critical routine operation and maintenance, engineering, oversight to safely meet flood control mission, as well as the joint portion of multipurpose activities allocated to flood risk management.

F-SUS15: \$ 237,000 - Purchase electric vehicles, improve building energy efficiency at multiple buildings and pumping facility - 2/

RC: \$ 684,000 - Funding will provide for critical routine O&M activities and management of recreation facilities, which include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, recreation use fee management, and completion of updates to required management plans.

H: \$ 6,659,000 – Funding will provide for critical routine O&M activities and management of hydropower facilities, which includes operation and maintenance of the hydroelectric power plant, power transmission facilities and associated water control structures, dam safety monitoring, studies and inspections, reservoir scheduling, real estate management, and the joint portion of multi-purpose activities allocated to hydropower.

H-SUS15: \$ 107,000 - Purchase electric vehicles, improve building insulation 2/

EN: \$ 2,013,000 – Funding will provide for critical routine O&M activities and management for the Environmental Stewardship. Activities include, cultural resource management, natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), and implementation of mitigation requirements, enhancement actions, real estate use evaluations and management plan updates.

WS: \$ 9,000 – Funding for management of surplus water storage agreements.

OTHER INFORMATION: Multi-purpose activities include maintenance of spillway and outlet structures, dam safety monitoring, studies and inspections, reservoir scheduling and real estate management. Cumulative flood damages prevented, from the beginning to FY12, \$16.3 billion. Plant installed generation capacity of 583 Megawatts, produced \$79.8 million in power production in FY12.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Pipestem Lake, ND

AUTHORIZATION: PL 89-298, PL 89-72.

LOCATION AND DESCRIPTION: Located four miles north of Jamestown, North Dakota, off highway 52/281. Pipestem Dam was constructed for flood damage reduction, fish and wildlife enhancement, and recreation. Construction of the dam began in June 1971, and was completed in 1973. The dam measures approximately 4,000 feet in length, with a maximum height of 107.5 feet from the stream bed to the top of the dam. Pipestem Lake is 5.5 miles long and has a maximum depth of 30 feet under normal operation. The lake drains an approximate 594 square mile area, and has a multipurpose storage capacity of 8,944 acre-feet.

ALLOCATION FOR FY 2014: \$ 1,174,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 92,000 **O:** \$ 984,000 **T:** \$ 1,076,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 930,000 - Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine work includes patch concrete spalls on each side of bridge and epoxy coat ends of precast girders on intake tower bridge and investigation of the erosion potential of the uncontrolled unlined earth cut spillway to verify dam safety.

RC: \$ 25,000 - Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality outdoor recreation experiences for the public. Routine activities will include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, and the minimum real estate management needs of the project.

H: \$ 0 – NA

EN: \$ 121,000 – Funding will be used to meet the O&M requirements of the environmental stewardship mission and cultural resources management activities. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations, and management plan updates.

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 totals \$140 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

NEBRASKA

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Gavins Point Dam & Lewis and Clark Lake, SD & NE

AUTHORIZATION: PL 78-534, PL 93-205

LOCATION AND DESCRIPTION: Gavins Point Dam is located four miles west of Yankton, South Dakota on Highway 52. Gavins Point Dam construction began in 1952 and was completed in 1956. The dam measures 8,700 feet in length and has a maximum height of 74 feet. Lewis and Clark Lake is 25 miles long, creates 90 miles of shoreline, and has a maximum depth of 45 feet at the dam.

ALLOCATION FOR FY 2014: \$ 9,258,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 2,292,000 **O:** \$ 6,893,000 **T:** \$ 9,185,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: \$ 1,002,000 – Funding will provide the joint portion of activities serving multiple project purposes allocated to navigation.

N-SUS15: \$ 13,000 – Purchase electric service vehicles 2/

FRM: \$ 1,372,000 - Funding will provide the portion of activities serving multiple project purposes allocated to flood risk management.

F-SUS15: \$ 18,000 – Purchase electric service vehicles 2/

RC: \$ 782,000 - Funding will provide for critical routine O&M activities and management of recreation facilities, which include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, recreation use fee management, and completion of updates to required management plans.

H: \$ 5,588,000 – Funding will provide for critical routine O&M activities and management of hydropower facilities, which includes operation and maintenance of the hydroelectric power plant, power transmission facilities, and the joint portion of multi-purpose activities allocated to hydropower.

H-SUS15: \$ 25,000 – Purchase electric service vehicles 2/

EN: \$ 441,000 – Funding will provide for critical routine O&M activities and management for the environmental stewardship. Activities include cultural resources management activities, natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, real estate use evaluations and management plan updates.

WS: \$0 - N/A

OTHER INFORMATION: Multi-purpose activities include maintenance of spillway and outlet structures, dam safety monitoring, studies and inspections, reservoir scheduling and real estate management. Cumulative flood damages prevented, beginning to FY12, \$658 million. Plant installed generation capacity of 132 Megawatts, produced \$23 million in power production in FY12.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: NWD

District: Omaha

Gavins Point Dam & Lewis and
Clark Lake, SD& NE

APPROPRIATION TITLE: Operations and Maintenance

PROJECT NAME: Harlan County Lake, NE

AUTHORIZATION: Flood Control Act of 1938 (P.L. 75-761), 1941 (P.L. 77-228), 1944 (P.L. 78-534)

LOCATION AND DESCRIPTION: Harlan County Lake is located in south central Nebraska on the Republican River, seven miles east of Alma and sixty miles south of Kearney, Nebraska. The project includes an earth-fill dam with a crest 107 feet above original streambed; total length of 11,827 feet including a gate-controlled, concrete, gravity-type spillway; and a reservoir storage capacity of 163,900 acre-feet. Project purposes include flood protection, irrigation, recreation, and fish and wildlife benefits to the south central Nebraska, north central Kansas regions.

ALLOCATION AMOUNT FOR FY 2014: \$ 16,483,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 24,733,000 O: \$ 1,665,000 T: \$ 26,398,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – NA.

FRM: \$25,446,000 – Routine operation and maintenance of dam, operate hydrologic control center, engineering support, water control, onsite operation of gates for flood and low flow releases, instrumentation reading, and routine and annual inspections. Included in FY15 budget are periodic bridge inspections, foundation drain cleaning, periodic inspection/assessment for dam safety, and plans and specifications for rehabilitation of the irrigation facility. Includes \$27.6 million for failed tainter gate repair work consisting of replacing electrical controls, strengthening structural components, replacing trunnion bearing components, gate chain, and blast and paint gates, all sluice gates will be painted and weld repaired.

RC: \$792,000 – Routine operation and maintenance of facilities and activities for the general public such as camping, fishing, boating, hiking, etc. for approximately 600,000 visitors per year. FY15 funding will also be used to operate visitor assistance, fee collection, mowing, vegetative control, fleet, Title 36 enforcement, water and public safety, law enforcement, etc. The project utilizes volunteer labor valued at over \$65,000 annually to assist with maintenance activities, helping to reduce some expenses. The Project collects \$200,000 in associated recreation related fees annually.

H: \$0 – NA.

EN: \$160,000 – Routine operations of basic stewardship, curation of cultural resources, and compliance with National Historic Preservation Act. FY15 funding will be used to manage lands and waters e.g. tree cutting/pruning, seeding, erosion control, gate installation and maintenance, controlled burns, detection and control of invasive species, food plots, and lake wide water sampling.

WS: \$0 – NA.

OTHER INFORMATION: The Project provides irrigation supply to 23,000 acres of land in Nebraska and 42,000 acres in Kansas. Project cumulative flood damages prevented since the Project was put in service in 1952 is \$228,600,000.

1/ Estimated unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Missouri River - Kenslers Bend, NE to Sioux City, IA

AUTHORIZATION: PL 79-14.

LOCATION AND DESCRIPTION: Missouri River Kenslers Bend Project provides operation and maintenance of 15 miles of the Missouri River channel stabilization from Big Sioux Bend near Sioux City, IA to Ponca Bend near Ponca, Nebraska. Project features include dikes, revetments, environmental notches, chevron dikes, L-dikes, sills, kicker dikes, chute closures, water control and water quality responsibilities.

ALLOCATION FOR FY 2014: \$91,000

BUDGET FOR FY 2015: M: \$ 16,000 **O:** \$ 63,000 **T:** \$ 79,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 79,000 – The funding will be used to meet the minimum O&M requirements of the flood risk management mission. Program responsibilities include maintenance of stabilization structures; dikes, revetments, environmental notches, chevron dikes, L-dikes, sills, kicker dikes and chute closures. Funding will provide maintenance to critically damaged or degraded structures, structure surveys, dredging, water control and water quality studies necessary to maintain a stable river channel and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$ 0 – N/A

H: \$ 0 – NA

EN: \$ 0 – Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 totals \$212 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Papillion Creek and Tributaries Lakes, NE

AUTHORIZATION: PL 90-483, PL 89-72.

LOCATION AND DESCRIPTION: The Papillion (Papio) Creek Projects consist of Glenn Cunningham, Standing Bear, Zorinsky and Wehrspann Lakes and Dams, all of which are located within the Greater Omaha area. The Corps of Engineers built the dams and developed the initial recreation plan as part of the Papio Creek and Tributaries lakes project. The dams and reservoirs were built to reduce flood damage in the Papio Creek watershed. Recreational opportunities, wildlife habitat and improved water quality are additional benefits derived from the Papios. The Corps cooperates with other agencies to manage and protect the natural resources of these lakes and surrounding lands.

ALLOCATION FOR FY 2014: \$ 929,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 94,000 **O:** \$ 769,000 **T:** \$ 863,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 714,000 - Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine activities include repair of seal outlet conduits (Site 16 and 18), outlet works conduit repairs (site 16), repair of corroding bell and spigot rings (site 11 and 20) and seismic and hydrologic evaluation studies.

RC: \$ 33,000 - Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality outdoor recreation experiences for the public. Routine activities will include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, and the minimum real estate management needs of the project.

H: \$ 0 – NA

EN: \$ 116,000 – Funding will be used to meet the O&M requirements of the environmental stewardship mission and cultural resources management activities. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations management plan updates

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 totals \$72.5 million.

1 Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Omaha

Papillion Creek and
Tributaries Lakes, NE

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Salt Creek and Tributaries, NE

AUTHORIZATION: PL 78-534, PL 85-500.

LOCATION AND DESCRIPTION: The Salt Creek and Tributaries Flood Control Project in Nebraska was authorized by the Federal Flood Control Act of 1958 to provide flood damage reduction, water quality, recreation, and fish and wildlife enhancement. The basin drains a 1645 square mile area of southeastern Nebraska, encompassing the City of Lincoln. Salt Creek drains the southern and western part of the basin, while Wahoo Creek drains the northeastern portion. The ten Salt Creek Lakes cover 11,239 acres, of which 4,289 are surface acres of water. The Corps of Engineers leases all but one of its Salt Creek Reservoirs to the State of Nebraska Game and Parks Commission (NGPC). The NGPC refers to these projects as the Salt Valley Lakes. Holmes Lake is leased to the City of Lincoln, Nebraska

ALLOCATION FOR FY 2014: \$ 1,064,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 105,000 **O:** \$ 933,000 **T:** \$ 1,038,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 915,000 - Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine activities include design of outlet tunnel seepage filters on five of the ten projects, repair of corroding conduit joints and seismic and hydrologic freeboard and seepage evaluation studies.

RC: \$ 27,000 - Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality outdoor recreation experiences for the public. Routine activities will include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, and the minimum real estate management needs of the project.

H: \$ 0 – NA

EN: \$ 96,000 – Funding will be used to meet the O&M requirements of the environmental stewardship mission and cultural resources management activities. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations management plan updates.

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 totals \$265 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

OREGON

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Applegate Lake, OR

AUTHORIZATION: PL 87-874, 1962 Flood Control Act

LOCATION AND DESCRIPTION: Near River Mile 46.5 on the Applegate River, 23.5 miles south of Medford, Oregon. Flood reduction project with rock-fill embankment dam, 1300-ft long & 242-ft high, gate controlled concrete spillway on left abutment, regulating outlet conduit & intake tower with multi-level intakes and reservoir.

ALLOCATION FOR FY 2014: \$ 1,238,000

BUDGETED AMOUNT FOR FY 2015: M: \$131,000 O: \$841,000 T: \$972,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$963,000 – Funding will provide for routine operation & maintenance of flood control dam, reservoir, project service facilities, and permanent operating equipment. Environmental stewardship costs for mitigation and BiOp actions resulting from operations for Flood Risk Management.

F-SUS15: \$55,000 Install intake tower insulated roof. 2/

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$9,000 – Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$ 0 - N/A

OTHER INFORMATION: Project provides 75,000 acre-feet of usable storage for flood control and water conservation utilization. Project controls runoff from a drainage area of 223 square miles. In addition to flood control, the reservoir is operated to provide irrigation, fish and wildlife enhancement, water quality control, and recreation benefits.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Blue River Lake, OR

AUTHORIZATION: P.L. 81-51, 1950 Flood Control Act

LOCATION AND DESCRIPTION: On Blue River, 38 miles east of Eugene, Oregon. Rock-fill embankment dam 1420-ft long, 319-ft high, spillway 70-ft long, outlet works in left abutment, earth & gravel-fill dike 1535-ft long between Blue & McKenzie Rivers & Reservoir, and recreation sites.

ALLOCATION FOR FY 2014: \$ 565,000

BUDGETED AMOUNT FOR FY 2015: M: \$5,182,000 O: \$588,000 T: \$5,770,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$5,687,000 – Funding will provide for routine operation & maintenance of flood control dam, reservoir, project service facilities, and permanent operating equipment. Also includes repair of structural deformities on spillway gates.

F-SUS15: \$124,000 – Energy saving upgrade to electrical ventilation. 2/

RC: \$22,000 – Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - N/A

EN: \$61,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet mitigation requirements and Endangered Species Act mandates.

WS: \$ 0 - N/A

OTHER INFORMATION: Project controls runoff from drainage area of 88 square miles. Reservoir provides 85,000 acre-feet of usable flood control storage and is operated as a unit of the coordinated reservoir system to protect the Willamette River Valley and provide increased low water flows for navigation and other purposes.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bonneville Lock and Dam, OR & WA

AUTHORIZATION: 1933 WPA project, 1935 PL. 409 and 1950 Flood Control Act PL. 81-516

LOCATION AND DESCRIPTION: On Columbia River, 42 miles east of Portland, Oregon; Multi-purpose w/power; 1 Dam, spillways and fish passage; 1 Navigation Lock, 2 Powerhouses w/ 20 generation units; regional visitor center and recreation areas.

ALLOCATION FOR FY 2014: \$ 7,752,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,789,000 O: \$4,704,000 T: \$7,493,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,748,000 – Funding will provide for routine navigation lock operations & maintenance including periodic navlock inspections. Also includes cost associated with support of navigation to ensure project performs to meet authorized purposes including the navigation component of the joint operating costs and environmental stewardship of the project.

FRM: \$ 0 - N/A

RC: \$1,560,000– Funding will provide for routine operation & maintenance activities and management of recreation facilities, which include recreation management, interpretive services, visitor assistance program implementation, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant and the hydropower component of the joint operating costs and environmental stewardship of the project are direct funded by the Power Marketing Agency.

EN: \$185,000– Funding will provide for routine operation & maintenance activities and management for the environmental stewardship. Activities include mitigation requirements for fish passage facilities & natural resource management and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$ 0 - N/A

OTHER INFORMATION: Project provides a spillway dam with overflow crest at 24 ft. above mean sea level. Two powerhouses consisting of 18 units and two fish attraction units for a total power generation capacity of 1,145.7 megawatts. Fish ladders to serve main channel, Bradford Slough Channel, and Powerhouse II channel. Recreation visitation exceeds 600,000 a year at the dam site and 2,700,000 project wide. Project also provides for navigation with a lock chamber 86 feet wide with a 19' depth of water over the sill.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Chetco River, OR

AUTHORIZATION: Rivers and Harbors Acts of 1950 and 1945, P.L. 79-14

LOCATION AND DESCRIPTION: On the Oregon Coast about 290 miles south of the mouth of the Columbia River; two stone jetties; 14 foot deep, 120 feet wide channel entrance; barge turning basin; and small boat access channel.

ALLOCATION FOR FY 2014: \$717,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$ 26,000 T: \$26,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$26,000 – Annual dredging needed to provide safe transit of commercial and recreational vessels.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: Project supports \$8.6 million in commerce annually, including 2,000 tons of fish and shellfish landings and 4,000 tons of other commodities (2005). Economic effect of the port is \$25 million. There are over 47,000 recreational bar crossings and over 5,500 commercial bar crossings annually. Project is also a critical Harbor of Refuge and priority location for United States Coast Guard.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Columbia River at the Mouth, OR and WA

AUTHORIZATION: River and Harbor Act of 1884, as amended and River and Harbor Acts of 1905, (build Jetties & dredge) 1954 (deepen to 48'), 1983 (deepen to 55')

LOCATION AND DESCRIPTION: Entrance to the Columbia River between the states of Oregon and Washington. Deep Draft Navigation entrance channel 6 miles long, 2640 ft wide, 55/48 feet deep, north and south entrance jetties and interior jetty north side at river mile 3.

ALLOCATION FOR FY 2014: \$ 28,535,000

BUDGETED AMOUNT FOR FY 2015: M: \$24,695,000 O: \$768,000 T: \$25,463,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$25,463,000 - Funding includes annual dredging needed for safe transit of commercial and recreational vessels. Also includes funds for the North Jetty lagoon fill.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: Project is considered one of the world's most dangerous coastal inlets due to large waves and strong currents. The project provides efficient movement of 48 million tons of cargo worth over \$16 billion from the Rockies to the Pacific Ocean each year. It is the world's 2nd largest grain export system and provides for the passage of 12,000 commercial and 100,000 recreation vessels each year.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Coos Bay, OR

AUTHORIZATION: Rivers and Harbor Acts of 1910 (dredging), 1919 (22' channel), 1930 (deepen to 24'), 1970 (deepen to 45'), 1995 (deepen to 47')

LOCATION AND DESCRIPTION: Coos Bay is located on the central Oregon coast at Coos Bay, Coos County, Oregon about 200 miles south of the Columbia River. The existing project includes: two rubble-mound, high tide jetties at the entrance; a channel across the outer bar 47-feet deep and 700-feet wide, dimensions reducing gradually to 37-feet deep and 300-feet wide at River Mile 1, an inner channel 37-feet deep and 300-feet wide to River Mile 9, thence a channel 37- feet deep and 400-feet wide to River Mile 15; two turning basins; and a boat basin access channel located in Charleston.

ALLOCATION FOR FY 2014: \$ 6,008,000

BUDGETED AMOUNT FOR FY 2015: M: \$5,816,000 O: \$607,000 T: \$6,423,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$6,423,000 - Funding will be used for annual dredging needed for safe transit of commercial and recreational vessels.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: Project supports 2.3 million tons of cargo shipments annually, mainly wood products, valued at approximately \$25.1 million. Economic benefits include 26 million pounds of fish and shellfish landings. The project is a Critical Harbor of Refuge and United States Coast Guard Headquarters and Air Station.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Coquille River, OR

AUTHORIZATION: Rivers and Harbors Act of 1910, P.L. 61-264

LOCATION AND DESCRIPTION: On the Oregon Coast about 225 miles south of the Columbia River. Two stone jetties; 13-foot deep, 6,000-foot long channel entrance. Small boat access channel with a protective rubble mound structure.

ALLOCATION FOR FY 2014: \$ 413,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$26,000 T: \$26,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$26,000 - Funding will be used for O&M activities to support dredging.

FRM: \$0 – N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$0 – N/A

WS: \$ 0 - N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cottage Grove Lake, OR

AUTHORIZATION: 1938 Flood Control Act. P.L. 75-761

LOCATION AND DESCRIPTION: On Coast Fork of Willamette River, Oregon; at RM 29, about 25 miles southeast of Eugene. Flood reduction, earth fill dam, 1750-ft long, with a 264-ft long concrete gravity spillway, outlet works consisting of 3 gate-controlled conduits, and recreation sites.

ALLOCATION FOR FY 2014: \$ 1,605,000

BUDGETED AMOUNT FOR FY 2015: M: \$142,000 O: \$1,173,000 T: \$1,315,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$790,000 – Funding will provide for routine operation & maintenance of flood control dam, reservoir, project service facilities, and permanent operating equipment. Includes environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management

RC: \$361,000 – Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols. Additional funds will be used to replace two aging waterborne restrooms at Lakeside Park.

H: \$ 0 - N/A

EN: \$164,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$1,000 – Leaburg Hatchery energy assessment. 2/

WS: \$ 0 - N/A

OTHER INFORMATION: Reservoir provides 30,060 acre-feet of usable flood control storage and controls runoff of drainage area of 104 square miles. Project is operated as a unit of the coordinated reservoir system that protects the Willamette River Valley and provides increased low water flow for navigation and for other purposes. Recreational development consists of day use and overnight facilities at five sites operated by the Corps of Engineers.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cougar Lake, OR

AUTHORIZATION: 1950 Flood Control Act, P.L. 81-516

LOCATION AND DESCRIPTION: On the South Fork McKenzie River, 42 miles east of Eugene, Oregon. Multi-purpose project with power; dam, spillway and powerhouse with 2 generating units.

ALLOCATION FOR FY 2014: \$ 1,982,000

BUDGETED AMOUNT FOR FY 2015: M: \$680,000 O: \$1,910,000 T: \$2,590,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$27,000 – Routine operation & maintenance cost associated with support of navigation to ensure project performs to meet authorized purposes and evolving conditions. Includes the navigation share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for navigation. Also includes P&S for repair of structural deformities on spillway gates.

FRM: \$2,262,000 – Routine operation & maintenance cost associated with support of flood risk management to ensure project performs to meet authorized purposes and evolving conditions. Includes the flood risk management share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management. Also includes P&S for repair of structural deformities on spillway gates.

RC: \$42,000 - Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$72,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$20,000 – McKenzie Hatchery energy assessment. 2/

E-SUS15: \$ 2,000 – Leaburg Hatchery energy assessment. 2/

WS: \$187,000 - Routine operation & maintenance cost associated with support of water supply to ensure project performs to meet authorized purposes. Includes the water supply share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for water supply. Also includes P&S for repair of structural deformities on spillway gates.

OTHER INFORMATION: Reservoir is 6 miles long with storage capacity at full pool of 219,000 acre-feet and controls runoff of tributary streams. Power plant consists of two 12,500-kilowatt units.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Depoe Bay, OR

AUTHORIZATION: Rivers and Harbors Act of: 26 Aug 1937, 2 Mar 1945, Section 107 Project in 1960.

LOCATION AND DESCRIPTION: Depoe Bay harbor is located on the Oregon Coast 100 miles south of the Columbia River. Structures include two breakwaters north of the entrance and a retaining wall at the boat basin.

ALLOCATION FOR FY 2014: \$ 380,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$7,000 T: \$7,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,000 - Funding will be used for O&M activities to support dredging.

FRM: \$0 – N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$0 – N/A

WS: \$ 0 - N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Detroit Lake, OR

AUTHORIZATION: 1938 Flood Control Act, P.L. 75-761

LOCATION AND DESCRIPTION: On North Santiam River 45 miles southeast of Salem, Oregon. Multi-purpose w/power; main dams and spillways include; powerhouse with two generating units and a re-regulating dam (Big Cliff) powerhouse with one generating unit, and recreation.

ALLOCATION FOR FY 2014: \$ 1,072,000

BUDGETED AMOUNT FOR FY 2015: M: \$477,000 O: \$750,000 T: \$1,227,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$11,000 – Routine operation & maintenance cost associated with support of navigation to ensure project performs to meet authorized purposes and evolving conditions. Includes the navigation share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for navigation.

FRM: \$957,000 - Routine operation & maintenance cost associated with support of flood risk management to ensure project performs to meet authorized purposes and evolving conditions. Includes the flood risk management share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$39,000- Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating and environmental stewardship costs are direct funded by the Power Marketing Agency.

EN: \$36,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$1,000 – Leaburg Hatchery energy assessment. 2/

E-SUS15: \$5,000 – Marion Forks Hatchery energy assessment. 2/

WS: \$184,000- Routine operation & maintenance cost associated with support of water supply to ensure project performs to meet authorized purposes. Includes the water supply share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for water supply.

OTHER INFORMATION: Main dam and a re-regulating dam, both with power-generating facilities. Powerhouses combined have three units with a total capacity of 118 megawatts. Reservoir has a storage capacity at full pool of 454,900 acre-feet and controls runoff of a tributary drainage area of 438 square miles.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dorena Lake, OR

AUTHORIZATION: 1938 Flood Control Act, P.L. 75-761

LOCATION AND DESCRIPTION: On Row River, Oregon, at RM 7 about 20 miles southeast of Eugene, Oregon. Flood reduction, earth fill dam 3352-ft long, 131-ft high, spillway 200-ft long, outlet works include 5 conduits controlled by hydraulic operated slide gates ,reservoir, and recreation sites.

ALLOCATION FOR FY 2014: \$ 1,139,000

BUDGETED AMOUNT FOR FY 2015: M: \$105,000 O: \$1,144,000 T: \$1,249,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$846,000 - Funding will provide for routine operation & maintenance of flood control dam, reservoir, project service facilities, and permanent operating equipment. Includes environmental stewardship costs for mitigation and BiOp actions resulting from operations for Flood Risk Management.

RC: \$274,000 - Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - N/A

EN: \$129,000- Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$1,000 – Leaburg Hatchery energy assessment. 2/

WS: \$ 0 - N/A

OTHER INFORMATION: Reservoir provides 70,500 acre-feet of usable flood control storage and controls runoff from a basin of 265 square miles. The Project is operated as a unit of the coordinated reservoir system to protect the Willamette River Valley and provides increased low water flows for navigational and other purposes.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Elk Creek Lake, OR

AUTHORIZATION: Flood Control Act of 1962, as amended.

LOCATION AND DESCRIPTION: Elk Creek Lake is located in Jackson County, Oregon on Elk Creek, a tributary of Rogue River at River Mile 1.7 approximately 26.5 miles north of the city of Medford. Elk Creek Dam was partially completed prior to a court injunction stopping construction.

ALLOCATION FOR FY 2014: \$0

BUDGET AMOUNT FOR FY 2015: M: \$70,000 O: \$107,000 T: \$177,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0

FRM: \$34,000 - Critical routine operation and maintenance of partially completed flood control dam and service facilities.

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$143,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates.

WS: \$ 0 - N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fall Creek Lake, OR

AUTHORIZATION: 1950 Flood Control Act, P.L. 81-516

LOCATION AND DESCRIPTION: On Fall Creek 19 miles southeast of Eugene, Oregon; flood reduction, dam 5100-ft long, 180-ft high, gate controlled spillway, stilling basin & reservoir, and recreation sites.

ALLOCATION FOR FY 2014: \$ 2,236,000

BUDGETED AMOUNT FOR FY 2015: M: \$5,101,000 \$ O: \$951,000 T: \$6,052,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$5,890,000 - Funding will provide for routine operation & maintenance of flood control dam, reservoir, project service facilities, and permanent operating equipment. Includes environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management. Also includes Construction, EDC and S&A for repair of structural deformities on spillway gates.

RC: \$50,000 - Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - N/A

EN: \$112,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$1,000 – Leaburg Hatchery energy assessment. 2/

WS: \$ 0 - N/A

OTHER INFORMATION: Reservoir provides 115,000 acre-feet of usable flood control storage and is operated as a unit of the coordinated reservoir system to protect the Willamette River Valley and provide increased low water flows for navigation and other purposes.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fern Ridge Lake, OR

AUTHORIZATION: 1938 Flood Control Act, P.L. 75-761

LOCATION AND DESCRIPTION: On Long Tom River, Oregon, RM 24 about ten miles west of Eugene; flood reduction, earth fill dam 6330-ft long, two auxiliary dikes, spillway with six automatic radial gates, outlet works in spillway structure & reservoir, and recreation sites. Project also includes the Long Tom River Channel downstream of dam.

ALLOCATION FOR FY 2014: \$ 1,979,000

BUDGETED AMOUNT FOR FY 2015: M: \$167,000 O: \$1,569,000 T: \$1,736,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$1,338,000 – Funding will provide for routine operation & maintenance of flood control dam, reservoir, project service facilities, and permanent operating equipment. Includes environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$125,000 – Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - N/A

EN: \$273,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$ 0 - N/A

OTHER INFORMATION: Reservoir provides 110,000 acre-feet of usable flood control storage and controls runoff of tributary drainage area of 275 square miles. Reservoir protects Long Tom River Valley and is operated as a unit of the coordinated reservoir system to protect the Willamette River Valley generally and to increase low water-flows for navigation and other purposes.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Green Peter – Foster Lake, OR

AUTHORIZATION: 1950 Flood Control Act, P.L. 81-516

LOCATION AND DESCRIPTION: Greer Peter Dam is on the middle fork of the Santiam River about thirty-five miles northeast of Eugene, Oregon. Foster Lake is seven miles downstream from Green Peter Lake. The project is multi-purpose w/power; main dam (Green Peter) and spillways including powerhouse with two generating units and a re-regulating dam (Foster) with powerhouse with two generating units, and recreation sites.

ALLOCATION FOR FY 2014: \$ 2,368,000

BUDGETED AMOUNT FOR FY 2015: M: \$267,000 O: \$2,032,000 T: \$2,299,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$13,000 - Routine operation & maintenance cost associated with support of navigation to ensure project performs to meet authorized purposes and evolving conditions. Includes the navigation share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for navigation.

FRM: \$1,599,000 - Routine operation & maintenance cost associated with support of flood risk management to ensure project performs to meet authorized purposes and evolving conditions. Includes the flood risk management share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$249,000 - Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$220,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$1,000 – Leaburg Hatchery energy assessment. 2/

E-SUS15: \$7,000 – South Santiam Hatchery energy assessment 2/

E-SUS15: \$1,000 – Leaburg Hatchery energy assessment.2/

E-SUS15: \$7,000 – South Santiam Hatchery energy assessment. 2/

WS: \$218,000 – Routine operation & maintenance cost associated with support of water supply to ensure project performs to meet authorized purposes. Includes the water supply share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions.

OTHER INFORMATION: Together, the main dam and re-regulating dam, both with power-generating facilities, have an installed capacity of 100,000 kilowatts. Reservoirs provide storage capacity at full pool of 491,000 acre-feet and control runoff of tributary drainage area of 277 square miles.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

Division: NWD

District: Portland

Green Peter – Foster Lake, OR

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hills Creek Lake, OR

AUTHORIZATION: 1950 Flood Control Act, P.L. 81-516

LOCATION AND DESCRIPTION: On Middle Fork Willamette River, forty-five miles southeast of Eugene, Oregon; project is multi-purpose w/power; consisting of a dam, spillway and powerhouse with two generating units, and recreation facilities.

ALLOCATION FOR FY 2014: \$ 1,327,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,409,000 O: \$840,000 T: \$5,249,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$98,000 - Routine operation & maintenance cost associated with support of navigation to ensure project performs to meet authorized purposes and evolving conditions. Includes the navigation share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for navigation. Also includes repair of structural deformities on spillway gates.

FRM: \$4,299,000- Routine operation & maintenance cost associated with support of flood risk management to ensure project performs to meet authorized purposes and evolving conditions. . Includes the flood risk management share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management. Also includes repair of structural deformities on spillway gates.

RC: \$28,000- Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$72,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$2,000 – Leaburg Hatchery energy assessment. 2/

WS: \$752,000 – Routine operation & maintenance cost associated with support of water supply to ensure project performs to meet authorized purposes. Also includes repair of structural deformities on spillway gates. Includes the water supply share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for water supply.

OTHER INFORMATION: Powerhouse with two 15,000-kilowatt generators. Storage capacity at full pool is 356,000 acre-feet. Project controls runoff of a drainage area of 389 square miles and is an integral unit of the comprehensive plan for development of the water resources of Willamette River Basin.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: John Day Lock and Dam, OR and WA

AUTHORIZATION: 1950 Flood Control Act, P.L. 81-516

LOCATION AND DESCRIPTION: On Columbia River, 112 miles east of Portland, Oregon. The project is multi-purpose w/power consisting of one dam, spillways, fish passage, one navigation lock, one powerhouse with sixteen generation units, and recreation sites.

ALLOCATION FOR FY 2014: \$ 4,534,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,013,000 O: \$4,221,000 T: \$5,234,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,440,000– Funding will provide for routine navigation lock operations & maintenance including periodic navlock inspections. Includes the navigation share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for navigation.

FRM: \$774,000 – Routine operation & maintenance cost associated with support of flood risk management to ensure project performs to meet authorized purposes and evolving conditions. Includes the flood risk management share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$849,000- Funding will provide for routine operation & maintenance activities and management of recreation facilities, which include recreation management, interpretive services, visitor assistance program implementation, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of the hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$171,000 - Funding will provide for routine operation & maintenance activities and management for the Environmental Stewardship. Activities include mitigation requirements for fish passage facilities & natural resource management and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$ 0 - N/A

OTHER INFORMATION: The project provides 500,000 acre-feet of flood control storage between elevations 257 and 268. The powerhouse has space for 20 generating units of 135,000 kilowatts each; 16 units have been installed for a present capacity of 2.2 megawatts.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lookout Point Lake, OR

AUTHORIZATION: Flood Control Acts, 1944, P.L. 75-761, 1950, PL. 81-516

LOCATION AND DESCRIPTION: On Middle Fork Willamette River, 22 miles southeast of Eugene, Oregon. Project is multi-purpose w/power; main dam, spillways, powerhouse with three generating units and a re-regulating dam (Dexter) with powerhouse with one generating unit, and recreation sites.

ALLOCATION FOR FY 2014: \$ 9,252,000

BUDGETED AMOUNT FOR FY 2015: M: \$84,000 O: \$1,645,000 T: \$ 1,729,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$20,000 – Routine operation & maintenance cost associated with support of navigation to ensure project performs to meet authorized purposes and evolving conditions. Includes the navigation share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for navigation.

FRM: \$1,296,000 – Routine operation & maintenance cost associated with support of flood risk management to ensure project performs to meet authorized purposes and evolving conditions. Includes the flood risk management share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$214,000 – Funding will provide for routine operation & maintenance activities and management of recreation facilities, which includes recreation management, law enforcement, public sanitation and ranger patrols.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$156,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

E-SUS15: \$1,000 – Leaburg Hatchery energy assessment. 2/

E-SUS15: \$6,000 – Willamette & Dexter Ponds Hatchery energy assessment.2/

WS: \$43,000 – Routine operation & maintenance cost associated with support of water supply to ensure project performs to meet authorized purposes. Includes the water supply share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for water supply.

OTHER INFORMATION: Main dam reservoir provides storage of 456,000 acre-feet at full-pool level. Re-regulating dam forms a full pool of 27,500 acre-feet. Reservoirs control runoff of a tributary drainage area of 991 square miles. Powerhouses combined have four main generating units with a capacity of 135,000 kilowatts.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lost Creek Lake, OR

AUTHORIZATION: 1962 Flood Control Act, P.L. 87-874

LOCATION AND DESCRIPTION: On upper Rogue River, twenty-seven miles northeast of Medford, Oregon. Multi-purpose project with power consists of dam, spillway, powerhouse with two generating units, and recreation sites.

ALLOCATION FOR FY 2014: \$ 3,142,000

BUDGETED AMOUNT FOR FY 2015: M: \$271,000 O: \$2,966,000 : \$3,237,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$1,205,000 - Routine operation & maintenance cost associated with support of flood risk management to ensure project performs to meet authorized purposes and evolving conditions. Includes the flood risk management share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$1,022,000 - Funding will provide for routine operation & maintenance activities and management of recreation facilities, including the recreation component of the joint operating costs, which include recreation management, law enforcement, public sanitation and ranger patrols, and environmental stewardship of the project.

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$797,000 - Funding will provide for routine operation & maintenance for natural resource management to prevent habitat degradation of known special status species and to meet hatchery mitigation requirements and Endangered Species Act mandates; including the environmental share of joint operating costs. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$213,000 - Routine operation cost associated with planning, coordinating, and monitoring local water supply agreements for authorized storage. Includes the water supply share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for water supply.

OTHER INFORMATION: Powerhouse has two main generating units with installed capacity of 24,500 kilowatts each. Project has a regulated outlet facility with provisions for temperature regulation of releases for fishery enhancement. Reservoir is ten miles long and provides 315,000 acre-feet of usable storage. Runoff from a drainage area of 674 square miles is controlled by the project.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: McNary Lock and Dam, OR & WA

AUTHORIZATION: PL 79-14 (Section 2 of the River and Harbor Act of 1945)

LOCATION AND DESCRIPTION: Project is located in Central Oregon on the Columbia River near Umatilla, Oregon. The project is part of the Federal Columbia River Power System. The project includes the dam, a powerhouse with a capacity of 980 Megawatts, a navigation lock with a vertical lift of 75 feet, two fish ladders, a system of levees and pumping plants, a reservoir that has a water surface area of 38,800 acres, 16,908 acres of land that provides recreation facilities and wildlife mitigation habitat, juvenile fish holding, loading, and bypass facilities.

ALLOCATION FOR FY 2014: \$7,236,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,728,000 **O:** \$2,841,000 **T:** \$7,669,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,746,000 – Funds routine operations and maintenance requirements of critical lock operations to ensure continued safe and reliable operations to avoid unscheduled navigation lock outages. The navigation component for the operations and maintenance of the joint features of the project and environmental stewardship; including dam safety routine activities for instrumentation data collection, evaluation, and surveys to monitor dam performance; water management control coordination and quality analysis and Hydraulic Steel Structures inspections. Non-routine will include plans and specifications for the rehabilitation of spillway gates and replacement of the hoist system, finalizing the upgrade of the potable water system and interim repair to the downstream miter gate.

FRM: \$0 – N/A

RC: \$1,577,000 – Funding will allow for minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services, Real Estate services to manage out-granted recreation areas, and support to leased activities not managed by the District.

H: \$0 – Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$246,000 – Funding will be used to meet the operations and maintenance requirements for the Environmental Stewardship mission. Also includes funding for juvenile fish transportation and biological opinions for listed endangered species. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Rogue River at Gold Beach, OR

AUTHORIZATION: River and Harbor Act of: 3 Sep1954 and P.L. 83-780

LOCATION AND DESCRIPTION: The project is located on the Oregon coast, 264 miles south of the entrance to the Columbia River. The project includes a north (3,300-foot long) and south (3,400-foot long) jetty system with channel entrance 650-foot long, 300-foot wide, to turning basin 500-foot wide with a depth of 13-feet. The Gold Beach Boat Basin has a channel 2,100-foot long, 100-foot wide leading to turning basin 600-foot long, 150-foot wide and a depth of 10-feet.

ALLOCATION FOR FY 2014: \$ 638,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$31,000 T: \$31,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 31,000 - Funding will be used for O&M activities to support dredging.

FRM: \$0 – N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$0 – N/A

WS: \$ 0 - N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Siuslaw River, OR

AUTHORIZATION: The Rivers and Harbors Act of 1890, as amended, and Section 107 Continuing Authority, 1890 (build jetties), 1925 (12' channel), 1958 (deepen to 16')

LOCATION AND DESCRIPTION: The project is located at the Siuslaw River, Oregon, approximately 130 miles south of the Columbia River. The project provides for navigation access to the Siuslaw River and consists of two rubble-mound jetties, 750-feet apart on the ocean side. The north jetty is 8,390-feet long, and the south jetty 4,200-feet long. The project also includes an entrance channel 18-feet deep and 300-feet wide extending 1,500-feet inside the north jetty; a channel 16-feet deep, 200-feet wide with additional widening at bends, and about 5 miles long, to a turning basin. The turning basin is 16-feet deep, 400-feet wide, and 600-feet long, and opposite the Siuslaw dock at Florence; a channel 12-feet deep, 150-feet wide from Florence to RM 16.5; a turning basin 12-feet deep, 300-feet wide, and 500-feet long at RM 15.5.

ALLOCATION FOR FY 2014: \$ 32,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$32,000 T: \$32,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$32,000 – Funding will be used for O&M activities to support dredging.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: Project supports an annual commercial fishery of approximately 38,000 pounds , plus lumber and other commodities. The economic effect of the port is an estimated \$12.5 million. There are 1,354 commercial bar crossings annually. The project is also a critical Harbor of Refuge and a priority location for United States Coast Guard. There were 56 search and rescue missions in 2011.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Umpqua River, OR

AUTHORIZATION: Rivers and Harbor Act of: 22 Sep 1922, (construct N. jetty), 1935 (S. jetty and 26'channel) P.L. 75-685

LOCATION AND DESCRIPTION: Umpqua is located on the Oregon Coast about 125 miles south of the Columbia River at Reedsport, Douglas County, Oregon. The existing project includes: Two stone jetties, 26-foot entrance channel, 22-foot deep river channel for 12 miles, and boat basin channel into Winchester Bay.

ALLOCATION FOR FY 2014: \$ 861,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$59,000 T: \$59,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$59,000 - Funding will be used for O&M activities to support dredging.

FRM: \$0 – N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$0 – N/A

WS: \$ 0 - N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Willamette River at Willamette Falls, OR

AUTHORIZATION: Rivers and Harbors Act of 1910 (P.L. 61-264)

LOCATION AND DESCRIPTION: Willamette Falls Locks is a multiple-lift navigation lock located on the Willamette River in West Linn, Oregon.

ALLOCATION FOR FY 2014: \$ 115,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$128,000 T: \$128,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$128,000 - Funding will provide for any critical caretaker actions necessary to maintain this closed project in a safe condition.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: The project includes four locks, a canal basin, and an extra guard lock used to prevent flooding when river levels are high. The system acts as a fluid staircase between the upper and lower reaches of the Willamette River. Due to structural/safety concerns, the project is maintained in a caretaker status.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Willamette River Bank Protection, OR

AUTHORIZATION: Flood Control Acts; 1936 (bank protection and channel clearing), 1938 PL. 75-685 (added flood protection), 1950 PL. 81-519 (add'l 77 locations)

LOCATION AND DESCRIPTION: Approximately 90 miles of bank protection, drift embankments, drift barriers and channel improvements at 223 locations along the Willamette River and its tributaries from about River Mile 25 to River Mile 225 on the Willamette River Basin.

ALLOCATION FOR FY 2014: \$ 80,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 0 O: \$244,000 T: \$244,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$244,000 – Funding will be provided to identify potential restoration sites associated with existing Corps revetments in the Willamette Basin.

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: The program consists of 223 federally constructed projects that were authorized to clear, slope and revet river banks, construct pile and timber bulkheads and drift barriers, minor channel improvements and maintenance of existing works constructed under the 1936 and 1938 Flood Control Acts for control of floods and preventing erosion at various locations along the Willamette River and tributaries.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Willow Creek Lake, OR

AUTHORIZATION: 1965 Flood Control Act, P.L. 89-298

LOCATION AND DESCRIPTION: On Willow Creek at Heppner, Oregon; flood reduction, roller compacted concrete dam, ancillary features include center uncontrolled spillway, minor flow works and diversion works, outlet works & reservoir.

ALLOCATION FOR FY 2014: \$ 674,000

BUDGETED AMOUNT FOR FY 2015: M: \$98,000 O: \$518,000 T: \$616,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$608,000 - Funding will provide for routine operation & maintenance of flood control dam, reservoir, project service facilities, and permanent operating equipment.

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$8,000 - Funding will provide for routine operation & maintenance for stewardship management and oversight for the protection of project natural resources and to meet minimum requirements for State and Federal regulations for water quality and temperature control.

WS: \$ 0 - N/A

OTHER INFORMATION: Project provides flood protection to the city of Heppner and downstream area by controlling runoff from a drainage area of 96 square miles. Gross storage capacity of the project is 13,250 acre-feet, consisting of 7,750 acre-feet for exclusive flood control, 1,750 acre-feet for joint flood control and irrigation, 1,750 acre-feet exclusive irrigation, and 2,000 acre-feet for fish, wildlife, recreation, sediment accumulation, and aesthetics.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Yaquina Bay and Harbor, OR

AUTHORIZATION: Rivers and Harbors Act of: 14 Jun 1880, 2 Mar 1919 (construct jetties), 1945 (26' channel), 1946 (construct boat basin), 1958 (deepen 40 entrance, 30' river channel) 1960 (boat basin S. shore) P.L. 86-645.

LOCATION AND DESCRIPTION: On the Oregon Coast about 110 miles south of the Columbia River. Deep draft project with two stone jetties; small boat access channel and South Beach Marina.

ALLOCATION FOR FY 2014: \$ 2,928,000

BUDGET AMOUNT FOR FY 2015: M: \$3,206,000 O: \$46,000 T: \$3,252,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,252,000 - Funding will be used for annual dredging needed for safe transit of commercial and recreational vessels.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: Critical harbor of refuge, large commercial fishing fleet and distant water fleets, OSU Marine Science Facility center, NOAA Marine Operations Center, and USCG Search and Rescue base located in bay; hazardous waters with high commercial and recreational use; 39.5 thousand tons of fish & shellfish landings valued at \$43.8 million in 2011 (NMFS). Newport is ranked as 19th major port in the US for fish landings in 2011. Growing interest from lumber industry to start exporting from Yaquina Bay in 2013.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

SOUTH DAKOTA

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Big Bend Dam & Lake Sharpe, SD

AUTHORIZATION: PL 78-534, PL 93-205

LOCATION AND DESCRIPTION: The Big Bend Project is located northwest of Chamberlain, South Dakota, on South Dakota Highway 47, near Ft. Thompson, South Dakota. Construction on the dam began in 1959 and closure of the embankment occurred in 1963. The dam measures 10,570 feet in length and has a maximum height of 95 feet. Lake Sharpe extends 80 miles upstream, creates 200 miles of shoreline, and has a maximum depth of 78 feet at the dam.

ALLOCATION FOR FY 2014: \$10,063,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 2,173,000 **O:** \$ 8,236,000 **T:** \$ 10,409,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: \$ 0 – N/A

FRM: \$ 0 - N/A

RC: \$ 732,000 - Funding will provide for critical routine O&M activities and management of recreation facilities, which include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, recreation use fee management, and completion of updates to the management plans.

H: \$ 8,446,000 – Funding will provide for critical routine O&M activities and management of hydropower facilities, which includes operation and maintenance of the hydroelectric power plant, power transmission facilities and associated water control structures, dam safety monitoring, studies and inspections, reservoir scheduling, real estate management, maintenance of spillway and outlet structures, dam safety monitoring, studies and inspections, and reservoir scheduling.

H-SUS15: \$ 56,000 – Purchase electric service vehicles 2/

EN: \$ 1,231,000 – Funding will provide for critical routine O&M activities and management for environmental stewardship. Activities include, cultural resource management, natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, real estate use evaluations and management plan updates.

WS: \$0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented, through 2012 flood season, \$644 million. Plant installed generation capacity of 497 Megawatts, produced \$35.6 million in power production in FY12.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: NWD

District: Omaha

Big Bend Dam & Lake Sharpe, SD

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Cold Brook Lake, SD

AUTHORIZATION: PL 77-228, PL 78-534

LOCATION AND DESCRIPTION: Cold Brook Dam is located one mile north of Hot Springs, South Dakota. The dam is 925 feet in length and has a height of 127 feet. Cold Brook Lake is 1.2 miles in length and its multipurpose pool contains 520 acre-feet of water. Cold Brook Dam was constructed to reduce flood damage in the Fall River basin. In years past, the Fall River was subject to flash flooding, causing damage to Hot Springs, South Dakota and nearby rural areas. The Flood Control Act of 1941 authorized the construction of these two dams and the channel improvements within the community of Hot Springs.

ALLOCATION FOR FY 2014: \$ 373,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 41,000 **O:** \$ 371,000 **T:** \$ 412,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 – NA

FRM: \$ 299,000 - Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine work includes rehabilitation and replacement of dam safety instrumentation, dewatering and cleaning of the stilling basin and surveys to support periodic dam safety assessment and inspection.

RC: \$ 61,000 - Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality outdoor recreation experiences for the public and will provide for the minimum real estate management needs of the project.

H: \$ 0 – NA

EN: \$ 52,000 – Funding will be used to meet the O&M requirements of the environmental stewardship mission. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations, and management plan updates.

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 total \$2.3 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Cottonwood Springs Lake, SD

AUTHORIZATION: PL 77-228, PL 78-534

LOCATION AND DESCRIPTION: Cottonwood Springs Dam is located 4.5 miles west of Hot Springs South Dakota. The dam and channel improvements were constructed under the authorization of Flood Control Act of 1941 to reduce flood damage in the Fall River basin. In years past, the Fall River was subject to flash flooding, causing damage to Hot Springs, South Dakota and nearby rural areas. The dam is 1,190 feet in length and stands 123 feet high.

ALLOCATION FOR FY 2014: \$ 1,105,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 5,000 **O:** 286,000 **T:** \$ 291,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: \$ 0 – NA

FRM: \$ 198,000 - Funding will be used to meet the O&M requirements of the flood risk management mission. Activities include performing routine critical operations and maintenance required to operate the project, necessary engineering, oversight, inspection and monitoring to assure continued safe operation of the project. Non-routine work includes installation of movement markers, evaluation of depression near right abutment and investigation of effectiveness of the grout curtain and also includes rehabilitation of the outlet tunnels to repair cracks at the conduit joints to ensure project safety and reliability.

RC: \$ 50,000 - Funding will allow the Corps to meet minimum recreation O&M requirements for providing quality public outdoor recreation experiences for the public and will provide for the minimum real estate management needs of the project.

H: \$ 0 – NA

EN: \$ 43,000 – Funding will be used to meet the O&M requirements of the environmental stewardship mission. In an effort to manage and conserve natural resources, consistent with ecosystem management principles, specific routine and non-routine activities for this year will include natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, shoreline management activities, real estate use evaluations, and management plan updates.

WS: \$ 0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from project implementation through FY12 total \$105,000.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Fort Randall Dam & Lake Francis Case, SD

AUTHORIZATION: PL 78-534, PL 93-205

LOCATION AND DESCRIPTION: Fort Randall Dam is located twelve miles west of Wagner, South Dakota. Construction on Fort Randall Dam began in 1946 and was completed in 1956. The dam measures 10,700 feet in length and has a maximum height of 140 feet. Lake Francis Case extends 107 miles upstream, creates 540 miles of shoreline, and has a maximum depth of 140 feet at the dam. The water in Lake Francis Case is stored for flood damage reduction, power generation, navigation support, fish and wildlife, recreation, irrigation, water supply, and water quality.

ALLOCATION FOR FY 2014: \$ 10,301,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 3,503,000 **O:** \$ 7,749,000 **T:** \$ 11,252,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 827,000 – Funding will provide the joint portion of activities serving multiple project purposes allocated to Navigation.

N-SUS15: \$ 13,000 – Purchase electric service vehicles 2/

FRM: \$ 1,131,000 - Funding will provide the joint portion of activities serving multiple project purposes allocated to flood risk management.

F-SUS15: \$ 18,000 – Purchase electric service vehicles 2/

RC: \$ 154,000 - Funding will provide for routine O&M of recreation facilities, including interpretive services, public outreach, visitor assistance program, Title 36 enforcement, reservation services support, recreation fee management, and completion of updates to required management plans.

H: \$ 7,735,000 – Funding will provide for critical routine O&M of hydropower facilities, which includes O&M of the hydroelectric power plant, power transmission facilities and associated water control structures, and the joint portion of multi-purpose activities allocated to hydropower. Non-routine work includes repacking of penstock articulation joints on Units 1, 4 and 6.

H-SUS15: \$ 25,000 – Purchase electric service vehicles 2/

EN: \$ 1,405,000 – Funding will provide for critical routine O&M activities, management for the Environmental Stewardship. Activities include cultural resources management activities, natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, real estate use evaluations and management plan updates.

WS: \$0 - N/A

OTHER INFORMATION: Multi-purpose activities include maintenance of spillway and outlet structures, dam safety monitoring, studies and inspections, reservoir scheduling and real estate management. Cumulative flood damages prevented, through FY12, \$10.8 billion. Plant installed generation capacity of 320 Megawatts, produced \$57.9 million in power production in FY12.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Omaha

Fort Randall Dam & Lake
Francis Case, SD

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATIONS TITLE: Operation and Maintenance

PROJECT NAME: Oahe Dam & Lake Oahe, SD

AUTHORIZATION: PL 78-534, PL 93-205

LOCATION AND DESCRIPTION: The Oahe project is located seven miles north of Pierre, South Dakota. Construction on Oahe Dam began in 1948 and the project began generating electricity in 1962. The dam measures 9,300 feet in length and has a maximum height of 245 feet. The project provides benefits of flood damage reduction, power generation, navigation, fish and wildlife, recreation, irrigation, water supply, and water quality.

ALLOCATION FOR FY 2014: \$ 12,668,000

BUDGETED AMOUNT FOR FY 2015: M: \$ 2,861,000 **O:** \$ 9,395,000 **T:** \$ 12,256,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015

N: \$ 1,094,000 – Funding will provide the portion of joint activities serving multiple project purposes allocated to navigation

N-SUS15: \$ 24,000 – Purchase electric service vehicles and perform energy audit 2/

FRM: \$ 1,500,000 - Funding will provide the portion of joint activities serving multiple project purposes allocated to flood risk management.

FRM-SUS15: \$ 34,000 – Purchase electric service vehicles and perform energy audit 2/

RC: \$ 510,000 - Funding will provide for critical routine O&M activities and management of recreation facilities, which include recreation management, interpretive services, public outreach, visitor assistance program implementation, Title 36 enforcement, reservation services support, recreation use fee management.

RC-SUS15: \$ 40,000 – Visitor center energy efficiency improvements 2/

H: \$ 7,721,000 – Funding will provide for critical routine O&M activities and management of hydropower facilities, which includes operation and maintenance of the hydroelectric power plant, power transmission facilities, and the joint portion of multi-purpose routine and non-routine activities allocated to hydropower.

H-SUS15: \$ 46,000 – Purchase electric service vehicles and perform energy audit 2/

EN: \$ 1,431,000 – Funding will provide for critical routine O&M activities and management for the environmental stewardship. Activities include cultural resources management activities, natural resource inventories, special status species monitoring, invasive species control (both pest and noxious weed), implementation of mitigation requirements, enhancement actions, real estate use evaluations and management plan updates.

WS: \$0 - NA

OTHER INFORMATION: Multi-purpose routine activities include maintenance of spillway and outlet structures, dam safety monitoring, studies and inspections, reservoir scheduling and real estate management. Non-routine multi-purpose joint work includes surveys and borings to determine the stability and erosion potential of the unlined earth cut spillway. Cumulative flood damages prevented, through FY12, \$11.8 billion. Plant installed generation capacity of 786 Megawatts, produced \$93.6 million in power production in FY12.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project is \$0. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Omaha

Oahe Dam & Lake, SD

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

WASHINGTON

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Chief Joseph Dam, WA

AUTHORIZATION: Rivers and Harbor Act of 1946 as modified by 1958 Fish and Wildlife Coordinator Act.

LOCATION AND DESCRIPTION: Chief Joseph Dam is located in Bridgeport, WA, 545 river miles above the mouth of the Columbia River, 51 river miles downstream from Grand Coulee Dam. The dam consists of a 19-bay gated concrete gravity spillway that abuts the right bank and connects to a curved non-overflow concrete section founded on a rock outcropping. The 2,047-foot-long powerhouse encloses 27 Francis turbines with a total installed rated capacity of 2,614 megawatts, two station service generators, maintenance shops and control room, and the visitor center. Routine hydropower and joint O&M costs, and capital investment costs, are direct funded by Bonneville Power Administration (BPA). Appropriation funds are used to continue normal O&M activities for the recreation program.

ALLOCATION FOR FY 2014: \$631,000

BUDGETED AMOUNT FOR FY 2015: M: \$150,000 O: \$439,000 T: \$589,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – N/A

FRM: \$0 - N/A

RC: \$589,000 - Funding provides for routine operations and maintenance for recreation program at the Corps' largest hydropower project. Routine program includes operation of project Visitor Center, supports 10 public day-use areas.

H: \$0 – Routine hydropower O&M costs are 100% direct funded by BPA..

EN: \$0 – Routine joint O&M costs, including environmental stewardship, are 100% direct funded by BPA.

WS: \$0 - N/A

OTHER INFORMATION: In FY12 this project produced a total of 12,517 megawatts with an approximate value of \$388 million. FY12 public visitation was approximately 267,407 with an estimated benefit to the local economy of \$6,700,000.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Columbia and Lower Willamette Rivers below Vancouver, WA and Portland OR

AUTHORIZATION: Rivers and Harbors Acts 1912 (30' channel), 1930 (deepen to 35'), 1962 (deepen to 40'), 1999 (deepen to 43')

LOCATION AND DESCRIPTION: The deep-draft federal navigation channel in the Columbia River from RM 3 to 106.5, and in the Willamette River from RM 0 to 11.6.

ALLOCATION FOR FY 2014: \$ 36,143,000

BUDGETED AMOUNT FOR FY 2015: M: \$45,061,000 O: \$1,979,000 T: \$47,040,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 47,061,000 - Funding will allow annual dredging needed for safe transit of commercial and recreational vessels. Also funded is Dredge Material Management Plan for dredged material disposal capacity.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: Channel provides environmentally sustainable waterborne transportation systems for movement of commerce, national security needs, and recreation. The maintenance of the channel has experienced significant cost increases due to the increased cost of fuel; increased dredge mobilization and operating costs; and recent high flows resulting in depth restrictions in the channel in 2012. The project is the largest component of the Columbia – Snake River inland navigation system and one of the Region's most important transport corridors that provides water access as far inland as Lewiston, ID.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Columbia River between Vancouver, WA to The Dalles, OR

AUTHORIZATION: Rivers and Harbors Acts, 1937 (27' channel), 1946 P.L. 79-525

LOCATION AND DESCRIPTION: Columbia River between Vancouver, WA and The Dalles, OR. The deep-draft Federal navigation channel in the Columbia River from RM 106.5 at Vancouver, WA, to RM 192 at The Dalles Dam.

ALLOCATION FOR FY 2014: \$ 869,000

BUDGETED AMOUNT FOR FY 2015: M: \$984,000 O: \$215,000 T: \$1,199,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,199,000 - Funding will allow routine dredging needed for safe transit of deep draft commercial vessels and recreational vessels.

FRM: \$ 0 - N/A

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: Project operates and maintains the shipping channel for transport of more than 40% of United States wheat exports being shipped via ports on the Columbia and Willamette Rivers. Also provides for all transit cargo between Portland and Lewiston, ID.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Columbia River Fish Mitigation, WA, OR, and ID

AUTHORIZATION: 1933 Federal Emergency Administration of Public Works; 1935, 1945 and 1950 River and Harbor Acts; 1937 Bonneville Project Act; 1938, 1948, 1950 and 1954 Flood Control Acts; WRDA 1986, Section 906(b)(1); WRDA 1996, Section 511, as amended by WRDA 1999, Sec.582 and WRDA 2007, Sec. 5025.

LOCATION AND DESCRIPTION: Operate and maintain the infrastructure installed by the Columbia River Fish Mitigation improvements on eight hydro-system dams and the navigation locks on the Lower Columbia and Snake Rivers. To include juvenile fish bypass systems, fish transport and passage monitoring facilities. Also fish transport barges and moorage, spillway flow deflectors and weirs, adult fish ladders and passage monitoring facilities and lamprey passage facilities.

ALLOCATION FOR FY 2014: \$3,317,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,900,000 O: \$2,215,000 T: \$4,115,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,115,000 – Funding will be used to operate and to meet the maintenance requirements of the Columbia River Fish Mitigation funded infrastructure that has been installed to benefit fish passage within the Federal Columbia River Power System. Maintenance funds are for maintenance of newly constructed spillway weirs, bypass systems, and avian arrays. Routine preventative maintenance will be performed on these new capital assets in order to maintain their performance into the future.

FRM: \$0 – N/A

RC: \$0 – N/A

H: \$0 – N/A

EN: \$0 – Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: Columbia River Fish Mitigation provided mitigation for the impact of Corps' dams on migrating salmon. Mitigation measures considered were a result of the Northwest Power Planning Council's regional rebuilding efforts for upriver salmon stocks, the National Marine Fisheries Service listing of salmon as threatened/endangered, the National Marine Fisheries Service Biological Opinions on operation of the Federal Columbia River Power System issued 1995, 1998, 2000, 2004, 2008 and the 2010 Supplemental BiOp which includes the Adaptive Management Implementation Plan and amendments, and the 2008 Columbia Basin Fish Accords.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Everett Harbor and Snohomish River, WA

AUTHORIZATION: River and Harbor Act of June 25, 1910 and modified by subsequent acts.

LOCATION AND DESCRIPTION: Located in central Puget Sound on the eastern shore of Possession Sound. The project channel runs approximately six miles upstream from its mouth at Port Gardner Bay. The project accommodates deep draft shipping in its outer harbor and also barge traffic on the Snohomish River. The project provides for the East Waterway, a 30 feet-deep, 900 feet-wide and 2,400 feet-long channel leading to the facilities on the west side of the Everett Navy Home Port. There is also an 8 to 15 feet-deep by 150 feet-wide channel up the Snohomish River. The project includes two settling basins to concentrate shoaling and promote maintenance dredging efficiency. The lower river channel is flanked by a system of training and spur dikes.

ALLOCATION FOR FY 2014: \$1,732,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,192,000 O: \$0 T: \$1,192,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 1,192,000 - Funding provides for navigational maintenance dredging of upstream navigation channel and settling basins w/upland disposal adjacent to the Snohomish River. Project condition surveys will be conducted to monitor and report channel conditions to the project sponsor, the US Navy, the USCG and other waterway users.

FRM: \$0 - N/A

RC: \$0 - N/A

H: \$0 - N/A.

EN: \$0 - N/A

WS: \$0 - N/A

OTHER INFORMATION: In FY13, 104,000 cubic yards of dredged material was removed from the project. The material is considered beneficial and the sandy material is reused for municipal, Port and habitat restoration activities. The annual shipping tonnage for the waterway averages 1.4 million tons, including aggregate material and high value aircraft parts for the Everett Boeing 747/787 facility.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Grays Harbor and Chehalis River, WA

AUTHORIZATION: The Rivers and Harbors Act of 30 August 1935 and Section 202 of WRDA 1986.

LOCATION AND DESCRIPTION: Grays Harbor is located on the southwest coast of Washington state. The project's 24-mile long channel and entrance structures serve deep-draft commerce to the Port of Grays Harbor and facilities at the cities of Aberdeen, Hoquiam and Cosmopolis. The deep-draft channel is secured by a complex system of coastal structures including the north and south jetties, groin, revetments and timber breakwaters. The North Jetty is at the south end of Ocean Shores and the South Jetty is at Westport, near Half Moon Bay. The Point Chehalis Revetment and Groins are located along the north and west edge of Westport. The breakwaters A, B, and C provide protection for the Westport Marina. This complex navigation project is large with ongoing Federal O&M activities including required dredging, structure repair, and mitigation on an annual basis.

CONFERENCE AMOUNT FOR FY 2014: \$10,126,000

BUDGETED AMOUNT FOR FY 2015: M: \$10,046,000 O: \$210,000 T: \$10,256,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$10,256,000 - Funding provides for routine operations and maintenance for navigation activities, including extensive export activity, US Coast Guard (USCG) Search & Rescue, Tribal fishing activities and critical fleet maintenance support service. Annual contract clamshell dredging of the inner harbor channels will be continued, with open water disposal. Government hopper dredges YAQUINA and ESSAYONS will perform outer harbor annual dredging to provide safe bar and entrance channel conditions. Project condition surveys will be conducted to apprise navigation users and the USCG of channel conditions with sediment characterization continued for open water and beneficial use disposal of the dredged resources. Funds will also be used to perform required Dungeness crab survey to meet multi-agency mitigation agreement.

FRM: \$0 - N/A

RC: \$0 - N/A

H: \$0 - N/A.

EN: \$0 - N/A

WS: \$0 - N/A

OTHER INFORMATION: Current annual shipping averages approximately 2 million tons and is expected to increase to 3 million tons by 2015. The majority of the cargo is export in nature and is composed of over 100,000 Chrysler vehicles being annually exported to the Far East in addition to agricultural and timber exports.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Howard A. Hanson Dam, WA

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: The project is located on the upper reach of the Green-Duwamish River in King County, 64 river miles above the mouth, 35 road miles east of Tacoma. It is in the city of Tacoma's municipal watershed, which is protected from public access.

CONFERENCE AMOUNT FOR FY 2014: \$3,638,000

BUDGETED AMOUNT FOR FY 2015: M: \$968,000 O: \$2,552,000 T: \$3,520,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$3,304,000 - Operations and Maintenance activities. During the peak flood season, be prepared to operate the dam and provide up to 106,000 ac ft of flood storage. Continue to support the fish passage project delivery team, plan and prepare for mission critical removal and rehabilitation of the 45-ton stop log, and cleaning of the intake trash rack. Install security surveillance system to monitor and record access to critical water regulation infrastructure; and fund environmental costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$0 - N/A

H: \$0 - N/A.

EN: \$203,000 - Continue in river deposition of woody debris and gravel for mitigation. Continue efforts with implementation of the Reasonable and Prudent Measures in the Biological Opinion. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$13,000 - Continue to support the water supply mission and to interface with the City of Tacoma water system and provide 20,000 ac ft of Municipal & Industrial water storage during non-flood periods.

OTHER INFORMATION: The facility provides flood protection within the Green-Duwamish watershed with an accumulative flood prevention benefit of over \$13.4 billion since 1962. The Biological Opinion and the Endangered Species Act mandate the construction and annual maintenance of mitigation sites consisting of gravel and woody debris below the dam – approximately \$545,000 annually. The Construction General program constructed the mitigation sites.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ice Harbor Lock and Dam, WA

AUTHORIZATION: PL 79-14 (Section 2 of the River and Harbor Act of 1945)

LOCATION AND DESCRIPTION: Project is located in Eastern Washington on the Snake River about 12 miles east of Pasco Washington. The project is part of the Federal Columbia River Power System. The project includes the dam, a powerhouse with an installed capacity of 603 Megawatts, a navigation lock with a vertical lift of 100 feet, two fish ladders, reservoir that has a water surface area of 9,200 acres, 3,576 acres of land that provides recreation facilities and wildlife mitigation habitat, and a juvenile fish bypass facility.

ALLOCATION FOR FY 2014: \$5,128,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,818,000 **O:** \$2,171,000 **T:** \$4,989,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,710,000 – Funds routine operations and maintenance requirements of critical lock operations to ensure continued safe and reliable operations to avoid unscheduled navigation lock outages. The navigation component for the operations and maintenance of the joint features of the project and environmental stewardship. This includes dam safety routine activities for instrumentation data collection, evaluation, and surveys to monitor dam performance; water management control coordination and quality analysis and Hydraulic Steel Structures inspections. Non-routine will include projects to improve plant performance, preclude forced facility closure/outages, vulnerability assessments, plans and specifications for the downstream gate operating machinery replacement.

FRM: \$0 – N/A

RC: \$1,119,000 – Funding will allow for minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services, Real Estate services to manage out-granted recreation areas, and support to leased activities not managed by the District.

H: \$0 – Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$160,000 – Funding will be used to meet the operations and maintenance requirements for the environmental stewardship mission. Specific routine and non-routine activities will include operation and maintenance of lands and wildlife mitigation areas designed to protect, restore and conserve natural resources within the project. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0 This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Washington Ship Canal, WA

AUTHORIZATION: River and Harbor Act of 1910, House Document 953, 60th Congress.

LOCATION AND DESCRIPTION: Located in the City of Seattle, the 30-foot deep canal connects Puget Sound on the west with Lake Washington eight miles to the east. A dam, gated spillway, fish ladder and two navigational locks are located 1½ miles east of the west entrance. The canal and locks provide a navigation link from freshwater Lake Washington and Lake Union to the saltwater Puget Sound. The project has materially contributed to the industrial, commercial and recreational development of the area.

CONFERENCE AMOUNT FOR FY 2014: \$11,468,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,819,000 O: \$7,585,000 T: \$12,404,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$11,149,000 - Funding provides for routine operations and maintenance for navigation, including 24/7 year-round staffing for lock operations to transit 49,000 commercial and recreational boats. Funded work includes critical repairs to structures (dewatering pump plant and emergency generator automatic transfer switch) and environmental stewardship costs for mitigation and BiOp actions resulting from operations for Navigation.

N-SUS15: \$ 324,000 – LW-15-SUST1, LW-15-SUST2, LW-15-SUST3, LW-15-SUST4, LW-15-SUST5, LW-15-SUST6, LW-15-SUST7 2/

FRM: \$0 - N/A.

RC: \$795,000 - Funding provides routine operations and maintenance for recreation program including uniformed rangers and grounds maintenance staff. Funds provide support for the contract to operate the Regional Class A Visitor Center, tour program, and environmental education programs.

R-SUS15: \$ 10,000 – LW-15-032 2/

H: \$0 - N/A.

EN: \$460,000 - Funding provides routine operations and maintenance for fish passage facilities, regional coordination of fish and wildlife activities, and district support for listed endangered species. Funding is necessary to carry out Endangered Species Act reasonably and prudent measures (RPMs) for listed species to meet US Fish & Wildlife Service/National Oceanographic Atmospheric Administration biological opinions for bull trout, Chinook salmon, and steelhead. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 - N/A

OTHER INFORMATION: This is the busiest navigation lock in the United States. The recreation area of the Lake Washington Ship Canal project receives over one million visitors per year. Since 2002, an average of 14,000 lockage's, 49,000 boats and over one million tons of cargo have passed through the locks annually.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Little Goose Lock and Dam, WA

AUTHORIZATION: PL 79-14 (Section 2 of the River and Harbor Act of 1945)

LOCATION AND DESCRIPTION: Project is located in Eastern Washington on the Snake River about 50 miles west of Lewiston Idaho. The project is part of the Federal Columbia River Power System. The project includes the dam, a powerhouse with an installed capacity of 810 Megawatts, a navigation lock with a vertical lift of 98 feet, two fish ladders, a reservoir that has a water surface area of 10,025 acres, 5,398 acres of land that provides recreation facilities and wildlife mitigation habitat, and juvenile fish holding, loading, and bypass facilities.

ALLOCATION FOR FY 2014: \$2,883,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,569,000 **O:** \$1,007,000 **T:** \$2,576,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,165,000 – Funds routine operations and maintenance requirements of critical lock operations to ensure continued safe and reliable operations to avoid unscheduled navigation lock outages. The navigation component for the operations and maintenance of the joint features of the project and environmental stewardship; including dam safety routine activities for instrumentation data collection, evaluation, and surveys to monitor dam performance; water management control coordination and quality analysis and Hydraulic Steel Structures inspections. Non-routine will include projects to improve plant performance, preclude forced facility closure/outages, work to install seepage measurement instrumentation and plans and specifications for the downstream miter gate repair.

FRM: \$0 – N/A

RC: \$385,000 – Funding will allow for minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services, Real Estate services to manage out-granted recreation areas, and support to leased activities not managed by the District.

H: \$0 – Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$26,000 – Funding will be used to meet the operations and maintenance requirements for the Environmental Stewardship mission. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lower Granite Lock and Dam, WA

AUTHORIZATION: PL 79-14 (Section 2 of the River and Harbor Act of 1945)

LOCATION AND DESCRIPTION: Project is located in Eastern Washington on the Snake River about 33 miles west of Lewiston, Idaho. The project is part of the Federal Columbia River Power System. The project includes the dam, a powerhouse with an installed capacity of 810 Megawatts, a navigation lock with a vertical lift of 100 feet, one fish ladder, a system of levees and pumping plants, a reservoir that has a water surface area of 8,900 acres, 5,778 acres of land that provides recreation facilities and wildlife mitigation habitat, and juvenile fish holding, loading, and bypass facilities, and adult-fish trapping facilities.

ALLOCATION FOR FY 2014: \$10,230,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,535,000 **O:** \$1,305,000 **T:** \$3,840,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,355,000 – Funds routine operations and maintenance requirements of critical lock operations to ensure continued safe and reliable operations to avoid unscheduled navigation lock outages. The navigation component for the operations and maintenance of the joint features of the project and environmental stewardship; including dam safety routine activities for instrumentation data collection, evaluation, and surveys to monitor dam performance; water management control coordination and quality analysis and Hydraulic Steel Structures inspections. Non-routine will include projects to improve plant performance, preclude forced facility closure/outages, install a drainfield to process effluent for an existing sewage treatment plant and repair the navlock sill plate drain system.

FRM: \$0 – N/A

RC: \$1,446,000 – Funding will allow for minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services, Real Estate services to manage out-granted recreation areas, and support to leased activities not managed by the District.

H: \$0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$9,000 – Funding will be used to meet the operations and maintenance requirements for the environmental stewardship mission. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lower Monumental Lock and Dam, WA

AUTHORIZATION: PL 79-14 (Section 2 of the River and Harbor Act of 1945)

LOCATION AND DESCRIPTION: Project is located in Eastern Washington on the Snake River about 45 miles northeast of Pasco, Washington. The project is part of the Federal Columbia River Power System. The project includes the dam, a powerhouse with an installed capacity of 810 Megawatts, a navigation lock with a vertical lift of 98 feet, two fish ladders, a reservoir that has a water surface area of 6,590 acres, 8,336 acres of land that provides recreation facilities and wildlife mitigation habitat, and juvenile fish holding, loading, and bypass facilities.

ALLOCATION FOR FY 2014: \$2,630,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,631,000 **O:** \$1,015,000 **T:** \$2,646,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,144,000 – Funds routine operations and maintenance requirements of critical lock operations to ensure continued safe and reliable operations to avoid unscheduled navigation lock outages. The navigation component for the operations and maintenance of the joint features of the project and environmental stewardship; including dam safety routine activities for instrumentation data collection, evaluation, and surveys to monitor dam performance; water management control coordination and quality analysis and Hydraulic Steel Structures inspections. Non-routine will include projects to improve plant performance, preclude forced facility closure/outages, vulnerability assessments and replacement of the downstream gate mechanical system.

FRM: \$0 – N/A

RC: \$449,000 – Funding will allow for minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services, Real Estate services to manage out-granted recreation areas, and support to leased activities not managed by the District.

H: \$0 – Routine Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$53,000 – Funding will be used to meet the operations and maintenance requirements for the environmental stewardship mission. Includes funding for juvenile fish transportation and biological opinions for listed endangered species. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mill Creek Lake, WA

AUTHORIZATION: PL 75-761 (Flood Control Act of 1938)

LOCATION AND DESCRIPTION: Project is located in Eastern Washington on Mill Creek near Walla Walla, Washington. The project was constructed to prevent flooding of the City of Walla Walla. The project includes the dam, a reservoir that has a gross storage capacity of 8,300 acre-feet of water, a flood control channel, 612 acres of land that provides recreation facilities and wildlife mitigation habitat, and a diversion dam and levee with two fish ladders.

ALLOCATION FOR FY 2014: \$2,399,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,223,000 **O:** \$1,690,000 **T:** \$2,913,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – N/A

FRM: \$2,150,000 – Funding will be used to meet the operations and maintenance requirements of the flood risk management mission. Activities include performing routine operations of the dam, routine maintenance, routine bridge inspections, instrumentation maintenance and repair, to update emergency notification plan, dam safety training, flood damages reports and inspection and data collection; and environmental costs for mitigation and BiOp actions resulting from operations for flood risk management. Non-routine funding will be used to build a maintenance building; currently the project is using a converted equipment shed that poses safety issues.

RC: \$402,000 – Funding will allow the Corps to meet minimum recreation operations and maintenance requirements providing quality outdoor recreation experiences for the public. Activities include operations and maintenance of recreational sites/facilities, health and safety services (including visitor assistance, security, water safety), Real Estate services to manage out-granted recreation areas, and support to leased activities not managed by the District.

H: \$0 – N/A

EN: \$361,000 – Funding will be used to meet the operations and maintenance requirements for the environmental stewardship mission. Funding also will be used to coordinate and implement National Marine Fisheries Service biological opinion for listed threatened Mid-Columbia River steelhead and U.S. Fish and Wildlife Service biological opinion for listed threatened bull trout. Also includes Section 106 funding required for cultural resources mandates, clearances and inspections. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 – N/A

OTHER INFORMATION: N/A

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mount St Helens Sediment Control, WA

AUTHORIZATION: Supplemental Appropriation Act 1985, P.L. 99-88

LOCATION AND DESCRIPTION: Located on the North Fork Toutle River, a tributary of the Cowlitz River in Cowlitz County, Washington; 36 miles east of Longview, WA. The project consists of a sediment retention structure on the North Fork of the Toutle River, designed to decrease sediment transport to the Cowlitz and Columbia Rivers and reduce the risk of flooding.

ALLOCATION FOR FY 2014: \$ 260,000

BUDGETED AMOUNT FOR FY 2015: M: \$38,000 O: \$222,000 T: \$260,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 0 - N/A

FRM: \$260,000 - Funding will provide for routine operation & maintenance of sediment retention structure, project service facilities, and permanent operating equipment.

RC: \$ 0 - N/A

H: \$ 0 - N/A

EN: \$ 0 - N/A

WS: \$ 0 - N/A

OTHER INFORMATION: The project's authorized purpose is to provide a permanent solution to potential flooding on the Cowlitz River caused by sedimentation resulting from the eruption of Mt. St. Helens

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mud Mountain Dam, WA

AUTHORIZATION: Section 5 of the Flood Control Act of 1936, dated 22 June 1936 for flood control and fish collection

LOCATION AND DESCRIPTION: The project is located on the White River, six miles upriver and southeast of Enumclaw and 38 miles east of Tacoma. Facility provides flood protection within the White River watershed. When the original flood control project was built in 1948, a fish passage trap facility was constructed six miles downstream of the dam to facilitate migration. The facility is still used yearly to capture salmonids for trucking to a site above the dam where they are released.

CONFERENCE AMOUNT FOR FY 2014: \$4,108,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,056,000 O: \$3,066,000 T: \$4,122,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 - N/A.

FRM: \$3,686,000 - Operations and Maintenance activities. During the peak flood season, be prepared to operate the dam and provide up to 106,000 ac ft of flood storage. Continue to monitor and support the construction general project for the replacement of the Buckley Barrier Structure at the Corps operated upstream fish trap and haul. Replace seals for flood control tower emergency gates in order to prevent water from entering cylinders when latches are locked and environmental stewardship costs for mitigation and BiOp actions resulting from operations for flood risk management.

RC: \$252,000 - Continue to operate, maintain, and promote the community use of the public park, trails and over look areas in a safe manner.

H: \$0 - N/A

EN: \$184,000 - Continue trap and haul fish mitigation and efforts with implementation of the Reasonable and Prudent Measures in the Biological Opinion. Perform cultural resources survey and complete the projects Section 106 consultation. Complete the wildlife management and historical property Management Plans. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$0 - N/A

OTHER INFORMATION: The dam provides flood protection within the White River watershed with an accumulative flood prevention benefit of over \$665 million since 1960. The FY12 visitation was 115,071 with an estimated benefit to the local economy of \$2.5 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Puget Sound and Tributary Waters, WA

AUTHORIZATION: The Rivers and Harbor Act of 1892

LOCATION AND DESCRIPTION: The Puget Sound and its Tributary Waters in Washington State. Removal of all hazards to navigation in the Federal Navigation Channel waters.

ALLOCATION FOR FY 2014: \$1,064,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,100,000 O: \$0 T: \$1,100,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,100,000 - Funding provides for year round routine operations and maintenance for the debris vessel M/V PUGET and support vessels, within Puget Sound Waters. Funded activities include the removal of hazards to navigation composed of man-made and large woody debris in the Federal Navigation Channel waters of Puget Sound, thus reducing collision hazards for the shipping industry and public users. Funding also allows appropriate disposal of the collected debris not used for environmental restoration projects and allows stockpiling of large debris to be used for restoration projects for local government agencies. Funding provides for the upkeep of 3 large flat-deck barges used to collect and transport debris.

FRM: \$0 - N/A

RC: \$0 - N/A

H: \$0 - N/A

EN: \$0 - N/A

WS: \$0 - N/A

OTHER INFORMATION: 9,000 to 11,000 tons of debris is removed annually. The woody debris is available to municipalities and the State of Washington for restoration work at no charge. In addition to debris cleanup, the M/V PUGET is used, in coordination with the U.S. Coast Guard, as a major oil spill response clean-up vessel in the event of a major oil spill in Puget Sound Waters.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Quillayute River, WA

AUTHORIZATION: River and Harbor Act of 3 July 1930.

LOCATION AND DESCRIPTION: The project is located on Washington's Pacific coast at the mouth of the Quillayute River at La Push, WA. It lies within the Quileute Tribal Reservation which is bounded by the Olympic National Park. The project consists of a channel 10-ft deep and 75 to 100-ft wide running from deep water to the Quileute Tribe marina. The marina is protected by a timber-training wall and provides moorage for the US Coast Guard. The entrance is protected by two federal structures: a jetty on the south and a dike on the north. The dike runs between a natural spit and James Island. There is a federal responsibility to protect the spit, which has been armored.

CONFERENCE AMOUNT FOR FY 2014: \$ 1,470,000

BUDGET AMOUNT FOR FY 2015: M:\$1,470,000 O:\$0 T: \$ 1,470,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,470,000 - These funds would improve the overall navigation performance by increasing the availability and reliability by maintaining project depths and would provide for continued use of the project by the USCG Search and Rescue Station Quillayute, subsistence fishing by the Quileute tribal fishermen, and as a critical harbor of refuge. Funding provides routine operations and maintenance for navigation functions. Method of dredging is hydraulic pipeline dredging with upland disposal for nourishing eroding beaches.

FRM: \$0 - N/A

Rec: \$0 - N/A

Hydro: \$0 - N/A

ES: \$0 - N/A

WS: \$0 - N/A

OTHER INFORMATION: Due to extreme shoaling and use of this waterway for USCG Search and Rescue Operations, the USCG rating for this harbor has been modified from "acceptable" to "critical". The USCG has requested immediate dredging of the waterway and boat basin so their life-safety mission can be continued. To mitigate for poor channel conditions, the installation of a web-based construction camera to monitor the channel, the South Jetty and Sea Dike has been installed. To assist the Tribe and USCG, NWS has increased hydrographic survey frequency to monitor shoaling of channel and USCG Search and Rescue moorage facilities

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: NWD

District: Seattle

Project Name: Quillayute River, WA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Seattle Harbor, WA

AUTHORIZATION: The Rivers and Harbors Act of March 2, 1919.

LOCATION AND DESCRIPTION: Seattle Harbor is located on the east side of central Puget Sound in Washington State. The project is located on the lower Duwamish River from Elliott Bay upstream approximately five miles to the head of the federal navigation channel. The project consists of the East Waterway, 34 to 51 feet deep; the West Waterway, 34 feet deep; Duwamish Waterway, 30 feet deep for 2.6 miles, 20 feet deep for 0.8 miles, and 15 feet deep for 1.8 miles to the head of navigation.

CONFERENCE AMOUNT FOR FY 2014: \$183,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,498,000 O: \$0 T: \$1,498,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,498,000 - Funding provides for dredging of the Upper Turning Basin and downstream reaches as well as shoaled areas close to the entrance to the West Waterway and Lower Duwamish Waterway. Funding also provides multi-beam and side scan sonar channel project condition survey to report conditions to extensive and diverse waterway users. Area surveyed is the entire project from end to end, performed twice yearly to determine shoaling patterns in this rapidly changing waterway. Also included in the surveys are East and West Waterways evaluations as deep draft vessels are regularly calling on these waterways. These funds allow documentation of navigation changes through multiple seasons.

FRM: \$0 - N/A

RC: \$0 - N/A

H: \$0 - N/A

EN: \$0 - N/A

WS: \$0 - N/A

OTHER INFORMATION: Annual shipping handled by Seattle Harbor is 26 million tons, much of it as container cargo. The Port of Seattle is a donor port to the Harbor Maintenance Trust Fund. The Duwamish Waterway is a heavily used working waterway for Alaska-bound containerized and break bulk freight, aggregate and cement products, commercial/Tribal fishing fleets and ship building/repair

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Stillaguamish River, WA

AUTHORIZATION: Sec 5 of the Flood Control Act of 1936 (Public No. 738) dated 22 June 1936

LOCATION AND DESCRIPTION: The project is located downstream of Arlington in Snohomish County, in northwestern Washington State. The project provides for works to reduce bank erosion and channel changes on the Stillaguamish River between Arlington and the head of Hat Slough, a distance of 15 miles, and on Cook Slough, 3 miles long, as follows: Revetments at 26 places on the river and structures at Cook Slough: a concrete control weir 275 feet long between steel-sheet pile piers at the head to limit flow through the slough; and two cut-off channels, each about 900 feet long, to eliminate sharp bends.

CONFERENCE AMOUNT FOR FY 2014: \$402,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$274,000 T: \$274,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 - N/A

FRM: \$274,000 - Budgeted funds will be used to continue operating the facility to provide reduction of erosion and reduce flood risk by maintaining the bank revetments, control weir and fish ladder. Repairs will be made to the damaged sections and the fish ladder cleanout. The continued operations of the facility provide public safety.

RC: \$0 - N/A

H: \$0 - N/A

EN: \$0 - N/A

WS: \$0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from 1939 through FY 2013 total \$14.8 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tacoma-Puyallup River, WA

AUTHORIZATION: Sec 5 of the Flood Control Act of 1936 (Public No. 738) dated 22 June 1936 and the Flood Control Act of 28 June 1938 which provides for Federal maintenance of the project.

LOCATION AND DESCRIPTION: The project is located on the Puyallup River near Tacoma, WA and is part of the flood protection infrastructure for the City of Tacoma. It provides increased channel capacity of 50,000 cubic feet per second between the East 11th Street Bridge and the lower end of the inner-county improvement, 2.2 miles upstream, by straightening the channel, building levees, and making necessary bridge changes. The improvement was planned in conjunction with Mud Mountain Dam, and affords protection against floods approximately 50 percent greater than the maximum discharge of record.

ALLOCATION FOR FY 2014: \$147,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$159,000 T: \$159,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 - N/A

FRM: \$159,000 - Budgeted funds will be used to continue operating the facility to reduce flood risk by maintaining the levee system. Repairs will be made to the damaged sections of the levee, control noxious weeds, to manage and coordinate project modifications and real estate actions. The continued operations of the facility enhances public safety.

RC: \$0 - N/A

H: \$0 - N/A

EN: \$0 - N/A

WS: \$0 - N/A

OTHER INFORMATION: Cumulative flood damages prevented from 1950 through FY 2012 total \$109 million.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: The Dalles Lock and Dam, WA & OR

AUTHORIZATION: 1950 Flood Control Act, P.L. 81-516

LOCATION AND DESCRIPTION: On the Columbia River, 90 miles east of Portland, Oregon. Multi-purpose with power; consisting of a dam with spillways and fish passage; navlock, powerhouse with twenty-four generating units; and recreation sites.

ALLOCATION FOR FY 2014: \$ 4,019,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,564,000 O: \$2,347,000 T:\$4,911,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,119,000 – Funding will provide for routine navigation lock operations & maintenance including periodic navlock inspections. Includes the navigation share of joint operating costs and environmental stewardship costs for mitigation and BiOp actions resulting from operations for navigation. Also includes navlock controls upgrade, miter gate replacement, and upstream gate replacement.

FRM: \$ 0 - N/A

RC: \$625,000 - Funding will provide for routine operation & maintenance activities and management of recreation facilities, which include recreation management, interpretive services, visitor assistance program implementation, law enforcement, public sanitation and ranger patrols.

R-SUS15: \$45,000 - The Dalles Dam Visitor Center improvements. 2/

H: \$ 0 - Joint costs have been allocated to the appropriate business line. Routine operation and maintenance of the hydropower plant, and the hydropower component of the joint operating costs and environmental stewardship are direct funded by the Power Marketing Agency.

EN: \$167,000 - Funding will provide for routine operation & maintenance activities and management for the Environmental Stewardship. Activities include mitigation requirements for fish passage facilities & natural resource management and Endangered Species Act mandates. Costs for mitigation and BiOp actions resulting from operations for specific project purposes have been distributed to those purposes.

WS: \$ 0 - N/A

OTHER INFORMATION: Project provides for navigation and hydroelectric power generation. The powerhouse has 26 main generating units with a capacity of 1,800 megawatts. Also provides fish-passage facilities including two ladders and a fish lock. Dispersed recreation occurs at 4 minimally developed sites and on over 4000 acres of lands and natural resource areas surrounding Lake Celilo.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

WYOMING

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Jackson Hole Levees, WY

AUTHORIZATION: PL 81-516 (Flood Control Act of 1950)

LOCATION AND DESCRIPTION: Project is located in Western Wyoming on the Snake River near Jackson Hole Wyoming. The project includes 22 miles of levees located on both sides of the Snake River and 2.5 miles on the Gros Ventre River. The levees provide flood control protection.

ALLOCATION FOR FY 2014: \$2,350,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,962,000 O: \$45,000 T: \$2,007,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$0 – N/A

FRM: \$2,007,000 – Funding will be used to meet the operations and maintenance requirements of the Flood Risk Management mission. Activities include performing routine annual maintenance and levee patrol, periodic inspection with local sponsor and environmental compliance for flood damages. Also included is the annual cleaning and inspection of project culverts, riprap replacement and vegetation removal.

RC: \$0 – N/A

H: \$0 – N/A

EN: \$0 – N/A

WS: \$0 – N/A

OTHER INFORMATION: The Project consists of levees constructed by non-federal sponsors prior to November 17, 1986 near Jackson, Wyoming between River Mile 963 on the Snake River near Moose, Wyoming and River Mile 939 on the Snake River at the Highway 26 bridge and from the mouth of the Gros Ventre River upstream to the Grand Teton National Park Boundary.

1/ Estimated Unobligated Carry-in Funding: As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Pacific Ocean Division

24 March 2014

OPERATION AND MAINTENANCE

Key to Abbreviations:

N = Navigation

FRM = Flood Risk Management

Rec = Recreation

Hydro = Hydropower

ES = Environmental Stewardship

WS = Water Supply

ALASKA

24 March 2014

POD-2

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Anchorage Harbor, Alaska

AUTHORIZATION: 1) Rivers and Harbors Act, July 3, 1958, Public Law 85-500, (Anchorage Harbor, AK as included in House Doc. 34, "Cook Inlet and Tributaries, Alaska," 85th Congress, and 1st Session) and 2) The Consolidated Appropriations Act 2005, Division C – Energy and Water Development Appropriations, Public Law 108-447

LOCATION AND DESCRIPTION: The Port of Anchorage is located in Anchorage, Alaska at the northern end of Cook Inlet in south central Alaska. The project accommodates three dry cargo berths and two petroleum handling facilities. It serves as Alaska's regional and provides services to approximately 90% of the total population of Alaska, including five military bases. Anchorage Harbor has been designated a national strategic port by the Department of Defense and is also used by military vessels. The Corps of Engineers has dredged the Port of Anchorage annually at full federal expense to its authorized depth of -35 feet mean lower low water since the 1960's. Vessels with drafts up to 40 feet dock during high tide and offload their cargo, thus requiring full project depth year around.

ALLOCATION FOR FY 2014: \$9,336,000

BUDGETED AMOUNT FOR FY 2015: M: \$11,001,000 O: \$0.0 T: \$11,001,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$11,001,000 will be used to perform annual maintenance dredging to remove an estimated 1.4 million cubic yards of glacial silts and sands. The annual dredging period is from 1 May through 1 November. These funds will sustain navigation performance by maintaining the availability and reliability of Anchorage Harbor that receives 90% of all goods entering the State of Alaska.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Shoaling rates at the Port are highly unpredictable from one year to the next. Recent trends indicate that warmer winters tend to keep adjacent mudflats from freezing and "locking up" transportable silts that flow into the project area; thereby increasing the dredging requirements in the subsequent dredging season. Ice flow in Cook Inlet from late November through March prohibit dredging operations during the winter months.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$286 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$100,000. This amount will be used to perform the work as follows: Complete the administration of the 2014 dredging contract.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Chena River Lakes Flood Control Project, North Pole, Alaska

AUTHORIZATION: Flood Control Act of 13 August 1968, Public Law 90-483.

LOCATION AND DESCRIPTION: The Chena River Lakes Flood Control Project is located in North Pole, Alaska approximately 17 mile east of Fairbanks, Alaska. The 20,000-acre project consists of an 8-mile long rock-filled dam that provides flood protection to Fairbanks, Alaska, and adjacent areas including Fort Wainwright, from recurring flood damage from the Chena River.

ALLOCATION FOR FY 2014: \$2,891,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,771,000 O: \$784,000 T: \$3,555,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,646,000 is requested to provide annual project operations, maintenance, and periodic inspections for flood control. Approximately \$1,776,000 is required for dam operations and \$870,000 will be used to correct dam safety deficiencies. Operation of the dam at the minimum level of service prevents downstream flooding on average about once each year with average annual damages prevented of \$9,231,000.

RC: \$231,000 to perform routine management of the non-leased recreational lands and fund the annual law enforcement cooperation agreement with the local police department. Funding of this increment prevents increased vandalism and prevents exposure of the Government to unwanted safety liabilities related to use of public lands.

H: N/A

ES: \$678,000 to perform routine environmental compliance and stewardship activities relating to the natural resources management program. Funding of this increment will decrease the likelihood of citations and notice of violations for improper storage of hazardous materials, improper or unsafe working conditions, or environmental damage due to poor/insufficient maintenance of project features.

WS: N/A

OTHER INFORMATION: N/A

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$583 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$100,000. This amount will be used to perform the work as follows: Complete the administration of the FY 2014 service and repair contracts.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cook Inlet Shoals (Cook Inlet Navigation Channel), Alaska

AUTHORIZATION:

- (1) Water Resources Development Act of 1996 (Public Law 104-303, 104th Congress)
- 2) The Energy and Water Development Appropriations Act, 1999 (Public Law 105-245, Oct. 7 1998)
- (3) Energy and Water Appropriations Act, 2005

LOCATION AND DESCRIPTION: Cook Inlet is a 250-mile long estuary in south-central Alaska that serves as the navigation corridor for bulk goods and supplies transported to the Port of Anchorage. The construction of the original project authorization was completed in September 2000 and provides a navigation channel approximately 11,000 feet long by 1,100 feet wide and maintained to a project depth of -38 feet mean lower low water. The work authorized in the 2005 Energy and Water Appropriations Act awaits cost share study funding from the sponsor. The Port of Anchorage is a Department of Defense designated national strategic port and provides services to approximately 90% of the total population of Alaska, including five military bases. Vessels with drafts up to 40 feet travel the channel to the Port of Anchorage.

ALLOCATION FOR FY 2014: \$6,126,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,616,000 O: \$0.0 T: \$2,616,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,616,000 will be used to dredge to the Congressionally authorized project depth.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Dredging in 2013 partially restored the channel to its authorized project depth. Additional dredging is scheduled in 2014 to continue dredging towards the authorized depth. Dredging in 2015 dredging should complete the periodic dredging effort.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$155 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dillingham Harbor, Alaska

AUTHORIZATION: Rivers and Harbors Act, July 3, 1958, Section 101, Public Law 85-500.

LOCATION AND DESCRIPTION: Dillingham Harbor is located approximately 350 miles south west of Anchorage at the head of Nushagak Bay and at the confluence of the Wood and Nushagak Rivers in Bristol Bay. The City borders the largest remaining wild salmon fishery in the world. Dillingham Harbor provides half-tide access and all-tide moorage for about 320 commercial fishing and recreational craft. Commercial salmon fishing is the cornerstone of the community's economy with subsistence hunting and fishing continuing as vital local activities. The harbor is also a harbor of refuge, providing both moorage and an alternate landing area for lighterage vessels. All transportation to the area is by water or air.

ALLOCATION FOR FY 2014: \$1,069,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,140,000 O: \$0 T: \$1,140,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,1140,000 will be used to continue annual maintenance dredging of the harbor and entrance channel to the authorized depth of +2 feet mean lower low water. This funding would maintain reliability and availability to commercial and subsistence fishing vessels to off-load fish products and re-supply for continued fishing.

FRM: N/A

RC: N/A

H: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: N/A

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$266 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$45,000. This amount will be used to perform the work as follows: Complete the administration of the 2014 dredging contract.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Homer Harbor, Alaska

AUTHORIZATION: 1) Rivers and Harbors Act, July 3, 1958, Section 101, Public Law 85-500, (Homer Harbor, AK as included in House Doc. 34, "Cook Inlet and Tributaries, Alaska," 85th Congress, and 1st Session) as adopted and 2) Amendment to the Alaska Omnibus Act, August 19, 1964, Public Law 88-451.

LOCATION AND DESCRIPTION: Homer Harbor is located in south-central Alaska, approximately 230 road miles from Anchorage, AK, near the southern tip of the Kenai Peninsula. Homer Harbor provides sheltered moorage for approximately 1,525 vessels. The project extends the fishing season an extra four months each year and is an integral part of Homer's economy. Annual commercial tonnage for the harbor is 0.1 million tons.

ALLOCATION FOR FY 2014: \$482,000

BUDGETED AMOUNT FOR FY 2015: M: \$520,000 O: \$0.0 T: \$520,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$520,000 will be used to perform annual maintenance dredging of the harbor entrance channel. This will enable commercial and subsistence fishing vessels harbor to off-load fish products for processing and be able to re-supply for continued operations. These funds would assure the continued availability of this critical harbor of refuge for the Cook Inlet commercial and subsistence fishing fleet. Tug and barge operations, which support freight delivery and oil exploration, will continue. Home-ported in Homer Harbor are the U.S. Coast Guard Cutter *Roanoke Island* and the U.S. Fish and Wildlife's Research Vessel *Tiglax*; dredging will allow these vessels to continue operating in the harbor without interruption.

FRM: N/A

RC: N/A

H: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: N/A

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$246 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$50,000. This amount will be used to perform the work as follows: Complete the administration of the 2014 dredging contract.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lowell Creek, Seward, Alaska

AUTHORIZATION: (1) Public Resolution No. 52, 9 February 1927 (69th Congress) provided for the construction of an intake dam and timber flume through the city of Seward. (2) Public Law No. 336, 14 February 1933 provided for the maintenance of the authorized project. (3) Flood Control Act, 25 August 1937 (House Doc. 154, 75th Congress, 1st Session) provided for the construction of a diversion dam 25 feet high and 400 feet long, and for a concrete lined tunnel 10 feet in diameter and 2,070 feet long through Bear Mountain to protect the city of Seward from the floodwaters of Lowell Creek. (4) Water Resources Development Act, 2007, Section 5032, Lowell Creek Tunnel, requires the Secretary to assume responsibility for the long-term maintenance and repair of the Lowell Creek tunnel for a period of 15 years or until an alternative method of flood diversion is constructed, whichever is earlier. The Secretary shall conduct a study to determine whether an alternative method of flood diversion in Lowell Canyon is feasible and shall carry out the alternative method. The Federal share of the cost of carrying out an alternative method under shall be the same as the Federal share of the cost of the construction of the Lowell Creek Tunnel.

LOCATION AND DESCRIPTION: Lowell Creek is located in the city of Seward, which is 125 miles south of Anchorage by highway. The lower reaches of Lowell Creek were diverted away from the city of Seward, which sits on its alluvial fan, by this project. The original project consists of a dam, 400 long with a maximum crest height of 25 feet and a tunnel to divert the creek away from the city and through Bear Mountain into Resurrection Bay. The tunnel is 10 feet in diameter, 2,068 feet long, and exits to a concrete flume above the ocean's edge.

ALLOCATION FOR FY 2014: \$148,000

BUDGETED AMOUNT FOR FY 2015: M: \$300,000 O: \$0.0 T: \$300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$300,000 will be used to complete plans and specifications and a contract solicitation package to repair tunnel lining and approach apron. An annual inspection will also be performed. The 2012 and 2013 inspection reports noted continued deterioration of concrete through wear and cracking; reaching critical stages in 2015.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: N/A

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$68 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ninilchik Harbor, Alaska

AUTHORIZATION: Rivers and Harbors Act, July 3, 1958, Public Law 85-500, (Ninilchik Harbor, AK as included in House Doc. 34, "Cook Inlet and Tributaries, Alaska," 85th Congress, and 1st Session) as adopted.

LOCATION AND DESCRIPTION: The Ninilchik Harbor is located in Ninilchik, Alaska, approximately 100 air miles southwest of Anchorage on the Kenai Peninsula. The small boat basin provides protected moorage with half-tide access for 32 vessels. The basin and channel also provide access for Cook Inlet commercial fishing boats to unload their catch and take on supplies. The basin is an important harbor-of-refuge for lower Cook Inlet.

ALLOCATION FOR FY 2014: \$396,000

BUDGETED AMOUNT FOR FY 2014: M: \$319,000 O: \$0.0 T: \$319,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$319,000 will be used to perform annual maintenance dredging of the basin and entrance channel. Funding will assure access for the commercial and subsistence fishing fleet to this critical harbor of refuge.

FRM: N/A

RC: N/A

H: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: N/A

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$231 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$5,000. This amount will be used to perform the work as follows: Complete the administration of the 2014 dredging contract.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Nome Harbor, Alaska

AUTHORIZATION: 1) Rivers and Harbors Act, August 8, 1917 (House Doc. 1932, 64th Congress, 2nd Session) as adopted by Public Law No. 37; and 2) Water Resources Development Act 1999, Section 101(a) (3), Public Law 106-53.

LOCATION AND DESCRIPTION: Nome Harbor is located on the southern coast of the Seward Peninsula in western Alaska. The city is approximately 540 miles northwest of Anchorage, and is the transportation and commerce center for Northwest Alaska. The recently completed improvement project consists of a new 3,600 foot-long entrance channel protected by a 3,025-foot long rubblemound breakwater, a new causeway bridge, a 270-foot long rubblemound breakwater extension on the existing causeway, and sediment collection basins. The harbor provides protected moorage for the existing 170 vessels as well as a fleet of 40 barges and transshipment vessels providing cargo and fuel service to the region.

ALLOCATION FOR FY 2014: \$1,231,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,451,000 O: \$0.0 T: \$1,451,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,451,000 - Funds will be used to perform annual maintenance dredging. Funding will assure 90% availability for this critical harbor of refuge, subsistence, and major commercial distribution and transfer center for Northwest Alaska and Seward Peninsula.

FRM: N/A

RC: N/A

H: N/A

ES: N/A

WS: N/A

OTHER INFORMATION: N/A

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$51 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$39,000. This amount will be used to perform the work as follows: Complete the administration of the 2014 dredging contract.

HAWAII

24 March 2014

POD-11

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Barbers Point Deep Draft Harbor, Oahu, Hawaii

AUTHORIZATION: River and Harbor Act, October 27, 1965, PL 89-298

LOCATION AND DESCRIPTION: The Barbers Point Harbor is a Federally authorized harbor, completed in 1985 and located on the Ewa plain along the southwestern coast of the island of Oahu, approximately 20 road miles west of Honolulu.

The Barbers Point Harbor, Pacific Regional Visitor Center is located in Honolulu, Hawaii on the second floor of historic Battery Randolph at Fort DeRussy adjacent to Waikiki Beach on the island of Oahu. The Pacific Regional Visitor Center is designed to educate the public about the Corps of Engineers and the Corps role in water resource development in the Pacific.

ALLOCATION FOR FY 2014: \$542,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,204,000 O: \$208,000 T: \$1,412,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: . \$1,200,000. Funds will be used to complete environmental coordination, sampling, and testing of pre-dredge material. Conduct maintenance dredging of the facility to Federally-authorized depths using the Corps of Engineer hopper dredge. Dredged material to be disposed of into EPA-designated ocean disposal site.

FRM: N/A

RC: \$212,000 Funding provides for operation of the Pacific Regional Visitor Center (RVC). The RVC functions as an informational visitor center designed to educate the public of the Corps' work in the Pacific and focuses on the POH's Civil Works Water Resources Development Program. The presentation reflects the historic and ongoing relationship between the military and civil works in the Pacific. The RVC participates in outreach activities such as Earth Day, Public Lands Day and Water Monitoring Day. The RVC reaches over 76,000 visitors a year.

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Dredging at this project was last completed in FY1999. This effort will be combined with pre-dredge activities for the Hilo Harbor, Hawaii; Honolulu Harbor, Oahu; Kahului Deep Draft Harbor, Maui; and Nawiliwili Deep Draft Harbor, Kauai. Dredging of the main commercial harbors in Hawaii is conducted on a cyclical basis averaging 10-years.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$202 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year (FY) 2015 from prior appropriations for use on this study effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hilo Harbor, Hawaii, HI

AUTHORIZATION: The project was authorized under the River and Harbor Act of 1907 and subsequent work authorized under the River and Harbor Act of 1912 and 1925.

LOCATION AND DESCRIPTION: The Hilo Deep Draft Harbor is located on the northeast coast of the island of Hawaii. The project was completed in 1930 and consists of a 10,080-foot-long breakwater protecting a 35-foot-deep basin. Hilo Harbor is one of the two main commercial ports for the Island of Hawaii.

ALLOCATION FOR FY 2014: \$566,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,900,000 O: \$0 T: \$1,900,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: \$1,900,000. Funds will be used to complete environmental coordination, sampling, and testing of pre-dredge material. Conduct maintenance dredging of the facility to Federally-authorized depths using the Corps of Engineer hopper dredge. Dredged material to be disposed of into EPA-designated ocean disposal site.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Dredging at this project was last completed in FY1990. This effort will be combined with pre-dredge activities for the Barbers Point Deep Draft Harbor, Oahu; Honolulu Harbor, Oahu; Kahului Deep Draft Harbor, Maui; and Nawiliwili Deep Draft Harbor, Kauai. Dredging of the main commercial harbors in Hawaii is conducted on a cyclical basis averaging 10-years.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$25 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year (FY) 2015 from prior appropriations for use on this study effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Honolulu Harbor, Oahu, Hawaii

AUTHORIZATION: The project was authorized by the River and Harbor Acts of 3 March 1905, 8 August 1917, 3 July 1930 and 3 September 1954.

LOCATION AND DESCRIPTION: Honolulu Harbor is located on the southwestern coast of the island of Oahu. The harbor consists of an entrance channel (4,000 feet long, 500 feet wide and 45 feet deep); a main harbor basin (3,300 feet long, 1,520 feet wide and 40 feet deep); a west harbor basin (3,400 feet long, 1,000 feet wide and 40 feet deep); and a connecting channel (400 feet wide and 40 feet deep); and Kalihi Channel (400 feet wide, 23 feet deep).

ALLOCATION FOR FY2014: \$372,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,200,000 O: \$0 T: \$2,200,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,200,000. Funds will be used to complete environmental coordination, sampling, and testing of pre-dredge material. Conduct maintenance dredging of the facility to Federally-authorized depths using the Corps of Engineer hopper dredge. Dredged material to be disposed of into EPA-designated ocean disposal site.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Dredging at this project was last completed in FY1999. This effort will be combined with pre-dredge activities for the Barbers Point Deep Draft Harbor, Oahu; Hilo Harbor, Hawaii; Kahului Deep Draft Harbor, Maui; and Nawiliwili Deep Draft Harbor, Kauai. Dredging of the main commercial harbors in Hawaii is conducted on a cyclical basis averaging 10-years.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$50 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year (FY) 2015 from prior appropriations for use on this study effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kahului Deep Draft Harbor, Maui, Hawaii

AUTHORIZATION: The federal project was authorized by the River and Harbor Acts of 27 July 1916, 25 June 1919, 21 January 1927, and 14 July 1960.

LOCATION AND DESCRIPTION: Kahului Harbor is Maui's only commercial port and is located on the northern coast of the island. The Federal project consists of rubble mound breakwaters on the east and west sides of the harbor, approximately 2,766 and 2,315 feet in length, respectively; an entrance channel 600 feet wide between the breakwaters; and a harbor basin 2,050 feet wide, 2,400 feet long at 35 feet deep.

ALLOCATION FOR FY 2014: \$321,000

BUDGETED AMOUNT FOR FY2015: M: \$2,200,000 O: \$0 T: \$2,200,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: \$2,200,000. Funds will be used to complete environmental coordination, sampling, and testing of pre-dredge material. Conduct maintenance dredging of the facility to Federally-authorized depths using the Corps of Engineer hopper dredge. Dredged material to be disposed of into EPA-designated ocean disposal site.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Dredging at this project was last completed in FY1999. This effort will be combined with pre-dredge activities for the Barbers Point Deep Draft Harbor, Oahu; Hilo Harbor, Hawaii; Honolulu Harbor, Oahu; and Nawiliwili Deep Draft Harbor, Kauai. Dredging of the main commercial harbors in Hawaii is conducted on a cyclical basis averaging 10 years.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$49 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year (FY) 2015 from prior appropriations for use on this study effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Nawiliwili Deep Draft Harbor, Kauai, Hawaii

AUTHORIZATION: The project was authorized under the River and Harbor Act of 2 March 1919 and September 1954.

LOCATION AND DESCRIPTION: Nawiliwili Harbor is located on the southeast coast of the island of Kauai and is the island's principal commercial harbor. The harbor consists of a breakwater 2,045 feet in length, and an S-shaped entrance channel 40 feet deep with a minimum width of 600 feet and a length of 2,400 feet.

ALLOCATION FOR FY2014: \$416,000

BUDGETED AMOUNT FOR FY2015: M: \$1,500,000 O: \$0 T: \$1,500,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY2015:

N: \$ 1,500,000. Funds will be used to complete environmental coordination, sampling, and testing of pre-dredge material. Conduct maintenance dredging of the facility to Federally-authorized depths using the Corps of Engineer hopper dredge. Dredged material to be disposed of into EPA-designated ocean disposal site.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Dredging at this project was last completed in FY1999. This effort will be combined with pre-dredge activities for the Barbers Point Deep Draft Harbor, Oahu; Hilo Harbor, Hawaii; Honolulu Harbor, Oahu; and Kahului Deep Draft Harbor, Maui. Dredging of the main commercial harbors in Hawaii is conducted on a cyclical basis averaging 10 years.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$10 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this study effort is \$0. This amount will be used to perform work on the project as follows: N/A

South Atlantic Division

24 March 2014

Operation and Maintenance

Key to Abbreviations:

N=Navigation

FRM=Flood Risk Management

RC=Recreation

H=Hydropower

EN=Environmental Stewardship

WS=Water Supply

ALABAMA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Alabama-Coosa Comprehensive Water Study, AL

AUTHORIZATION: FY 1991 Energy and Water Development Appropriations Act

LOCATION AND DESCRIPTION: This project covers the Alabama-Coosa-Tallapoosa (ACT) and Apalachicola-Chattahoochee-Flint (ACF) drainage basins in Alabama, Georgia and Florida. The project was established years ago to resolve issues related to water allocation issues on the ACT and ACF river basins. This project has been utilized for studies, reports, and other activities required to support the potential resolution of the ongoing disputes between the states of Alabama, Georgia and Florida. Numerous lawsuits have been filed and this project is required to support the Corps' litigation efforts.

ALLOCATION FOR FY 2014: \$247,500

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$189,000 T: \$189,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: \$189,000 will be used for technical support for ongoing litigation issues on the Alabama-Coosa-Tallapoosa and Apalachicola-Chattahoochee-Flint River Systems. Activities include providing input to and review and commenting on briefs prepared by Department of Justice, reviewing and commenting on briefs filed by the Plaintiffs, responding to Freedom of Information Act requests, complying with the Endangered Species Act, consultations with Federal and State resource agencies and other correspondence.

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$72 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

AL-Coosa Comprehensive Water Study, AL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Alabama River Lakes, AL

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: This multiple purpose project is part of the Alabama-Coosa-Tallapoosa (ACT) River System and includes a 9 X 300 foot navigation channel that extends from the mouth of the Alabama River, some 45 miles north of Mobile, Alabama, for 300 miles northeast to Montgomery, Alabama, where it connects with the Coosa River. The Coosa River extends northeast another 286 miles to a point near Rome, GA. This project includes operation and maintenance funding for three projects located on the Alabama River: Claiborne, Millers Ferry and Robert F. Henry Locks and Dams.

ALLOCATION FOR FY 2014: \$16,483,730

BUDGETED AMOUNT FOR FY 2015: M: \$7,937,000 O: \$5,506,000 T: \$13,443,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,696,000 will provide caretaker operation for locks and spillway gate regulation to maintain pool at proper levels to prevent flooding and/or head limits at upstream dam.

FRM: \$247,000 will be used to provide maintenance of the structures and equipment associated with the controlled release and storage of water.

RC: \$2,673,000 will be used for operation and maintenance of recreation facilities on Alabama River Lakes including campgrounds, day use parks, fishing decks and boat ramp facilities. This is to maintain a level of service that will ensure safe recreation experiences and clean, orderly facilities.

H: \$8,279,000 will be used for routine preventative maintenance to meet goals by limiting forced outages and maximizing peak unit availability, to collect water management data, and for dam safety.

EN: \$548,000 will be used to protect fee-owned lands and waters against encroachments, and loss due to fire, pests and timber theft; to monitor boundary lines; and to respond to real estate requests. Other activities include intensive land maintenance and enhancement for wildlife and cultural resources investigations.

WS: N/A

OTHER INFORMATION: Two hydropower plants on the project provide a critical contribution to our nation's power grid. Recreation areas and associated economic activity are major contributors to quality of life for the citizens in one of the most economically disadvantaged regions of the United States. The project had over 4M visits and 7,000 tons of commodities transported in Fiscal Year 2012. The project also has a total hydropower capacity of 172,000 KW.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$ 196 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Alabama River Lakes, AL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Black Warrior and Tombigbee (BWT) Rivers, AL

AUTHORIZATION: The project was authorized by various River and Harbor Acts, 1884-1986. Replacement of obsolete structures was authorized by the 1909 River and Harbor Act.

LOCATION AND DESCRIPTION: The project includes a 9 X 200 foot navigation channel from Mobile Harbor, north for 426 miles, connecting the Port of Mobile with the industrial areas of Birmingham, Alabama, and serving as the corridor from the Tennessee-Tombigbee Waterway to the Gulf of Mexico and includes six locks, dams and reservoirs.

ALLOCATION FOR FY 2014: \$28,712,640

BUDGETED AMOUNT FOR FY 2015: M: \$11,803,000 O: \$9,858,000 T: \$21,661,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$18,428,000 will be used for lock and dam operations and maintenance and maintenance dredging activities including channel surveys. This will improve navigation performance by increasing the availability of channel and reliability of the six locks and dams on this high use inland system.

FRM: N/A

RC: \$2,932,000 will be used for normal operation and maintenance of recreational facilities to accommodate visitation at campgrounds, day use parks, fishing areas and boat ramp facilities. This is to maintain a level of service that will ensure safe recreation experiences and clean, orderly facilities.

H: N/A

EN: \$301,000 will be used for labor, equipment, supplies and material necessary for stewardship at the projects. Funds will also be used for intensive wildlife management of the project lands, natural resources surveys and cultural resource activities.

WS: N/A

OTHER INFORMATION: This waterway is extremely important for the shipment of coal as an export and to support several coal-fired electric generating plants in the southeastern United States. The waterway also provides critical transportation of crude oil to an oil refinery and transportation of ore and steel for foundries. Visitation to recreation areas on the BWT provides economic growth in some of the most economically disadvantaged areas of the United States. The project had over 18.5M tons of commodities transported and over 2.4M visits in FY 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$ 35 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

BWT Rivers, AL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Gulf Intracoastal Waterway (GIWW), AL

AUTHORIZATION: River and Harbor Act of 1966, as amended and prior acts

LOCATION AND DESCRIPTION: The Mobile District portion of the GIWW extends from the Louisiana/Mississippi state line to Apalachee Bay, Florida, providing a 12 x 150-foot channel from Louisiana to Mobile Bay, Alabama and a 12 x 125-foot channel from Mobile Bay to Apalachee Bay, Florida. The project supports major barge traffic providing the east/west transit route along the northern Gulf Coast for coal, petroleum products, chemicals, wood products and heavy industrial components. This project also supports high-end recreational traffic and waterway tourism industry.

ALLOCATION FOR FY 2014: \$8,784,310

BUDGETED AMOUNT FOR FY 2015: M: \$4,788,000 O: \$705,000 T: \$5,493,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,493,000 will be used for dredging, surveys and disposal area maintenance.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project is critical to the national defense due to the fact that Eglin, Hurlburt and Tyndall Air Force Bases all receive their jet fuel by way of this waterway. This waterway is critical to the southeast region of the United States in that all the fuel terminals and coal fired power plants along the Gulf Coast receive their shipments by barge. In Fiscal Year 2012 over 28.7M tons of commodities were transported.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$88 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Gulf Intracoastal Waterway, AL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mobile Harbor, AL

AUTHORIZATION: Section 104 of the River and Harbor Act of 3 September 1954 and previous acts. The Theodore Ship Channel was authorized by Section 201 of the 1965 Flood Control Act and modified by Section 112 of WRDA 1976.

LOCATION AND DESCRIPTION: The project is located in Mobile, Alabama. The project provides a 47 x 600 foot channel from the Gulf of Mexico into Mobile Bay, a 45 x 400 foot channel in the Bay to the McDuffie Coal terminal, a 40 x 500 foot channel in the Mobile River to the Cochrane-Africatown Bridge, a 25 x 250-500 foot channel leading to and into Chickasaw Creek, and various smaller channels and turning basins for use by commercial, international and domestic marine traffic, including the Theodore Industrial Channel. The Port of Mobile supports a major coal import/export facility supplying coal for all the power plants across the northern Gulf Coast as well as petroleum products, wood products, containers, etc.

ALLOCATION FOR FY 2014: \$26,730,000

BUDGETED AMOUNT FOR FY 2015: M: \$25,783,000 O: \$850,000 T: \$26,633,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$26,633,000 will be used for maintenance dredging of the bay channel, river channel, the turning basin, disposal area maintenance, surveys, water quality, and endangered species coordination. These funds are necessary to maintain and reestablish project depths that have decreased due to shoaling. This will improve navigation performance by increasing the availability of channel to project depth, thereby eliminating the need for light loading or delays awaiting tides to access a strategic terminal. These funds would ensure adequate disposal area capacity is available to contain the material dredged from the channels in the coming years.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$328 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Mobile Harbor, AL

24 March 2014

SAD - 7

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tennessee-Tombigbee Waterway (TTWW) - Wildlife Mitigation, AL & MS

AUTHORIZATION: Water Resources Development Act 1986, 1992

LOCATION AND DESCRIPTION: The project consists of three major components: (1) acquisition and management of 88,000 acres of separable mitigation lands at specific locations in Alabama and Mississippi; (2) management of an additional 93,000 acres of existing Corps lands at specific locations in Alabama and Mississippi; and (3) implementation of an initial development program on 181,000 acres of lands comprising the Mitigation Program. Most of the mitigation lands are organized into contiguous management units distributed between 10 wildlife management areas (7 in Mississippi and 3 in Alabama). The State wildlife management agencies are responsible for the management of all but 50,000 acres that are managed by the Corps.

ALLOCATION FOR FY 2014: \$1,801,800

BUDGETED AMOUNT FOR FY 2015: M: \$425,000 O: \$1,275,000 T: \$1,700,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,700,000 will be used to reimburse the states of Mississippi and Alabama for costs incurred for intensive wildlife management as mandated by the Water Resources Development Act 1986.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Funding will support oversight and management by state wildlife agencies in Mississippi and Alabama for a total of ten Wildlife Management Areas (WMAs) – seven WMAs in the state of Mississippi and three WMAs in the state of Alabama. These WMAs promote long-term public access, use, conservation and management of natural resources, particularly wildlife, consistent with the Corps mission mandate for natural resources management.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$482 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

TTWW-Wildlife Mitigation, AL & MS

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tennessee-Tombigbee Waterway (TTWW), AL & MS

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: The project extends from Demopolis, AL to the Tennessee River at the common boundary of Alabama, Mississippi and Tennessee. The project includes a 234-mile navigation channel varying from 9-12 feet X 300 feet, 10 locks and dams, and numerous recreation areas.

ALLOCATION FOR FY 2014: \$24,071,690

BUDGETED AMOUNT FOR FY 2015: M: \$11,607,000 O: \$12,584,000 T: \$24,191,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$19,578,000 will be used for lock and dam maintenance and operation and maintenance dredging. This will improve navigation performance by increasing the availability of channel and reliability of the 10 locks and dams on this important moderate use inland system.

FRM: N/A

RC: \$4,351,000 will be used for rehabilitation, repair and maintenance of recreation facilities including campgrounds, day use parks, fishing decks and boat ramp facilities. This is to maintain a level of service that will ensure safe recreation experiences and clean, orderly facilities.

H: N/A

EN: \$262,000 will be used for labor, equipment, supplies and material necessary for stewardship at the projects. Funds will also be used for intensive wildlife management of the project lands, natural resources surveys and cultural resource activities.

WS: N/A

OTHER INFORMATION: The project employs approximately 100-112 full time Federal personnel and 12-17 part time personnel. The project also helps support numerous district office personnel and an O&M contract consisting of approximately 85 employees. Funding is also required to support the operation and maintenance of a 234-mile navigation channel, 7 Class A campgrounds, 3 visitor centers, 1 historical landmark, 40 boat ramps, 9 large public-use areas, 72,500 acres of project wildlife mitigation land, 2 office buildings and 10 locks and dams. Visitation to the project exceeds two million annually. The project had over 1.7M visits and over 5.9M tons of commodities in FY 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$123 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

TTWW, AL & MS

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Walter F. George Lock and Dam, AL & GA

AUTHORIZATION: Section 2 of the River and Harbor Act of 1945, as amended

LOCATION AND DESCRIPTION: The project is located at mile 75.2 on the Chattahoochee River, 1.5 miles north of Ft. Gaines, Georgia, in Clay, Quitman, and Stewart Counties, Georgia and Henry, Barbour, and Russell Counties, Alabama. The project includes a hydroelectric powerhouse, 28 recreation areas, a navigation lock and a 45,000-acre reservoir with 640 miles of shoreline.

ALLOCATION FOR FY 2014: \$ 8,476,380

BUDGETED AMOUNT FOR FY 2015: M: \$3,769,000 O: \$4,332,000 T: \$8,101,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$750,000 will be used for the critical annual maintenance of the structure and equipment associated with the controlled releases of water, dam safety activities and other caretaker status activities.

FRM: N/A

RC: \$2,308,000 will be used for the annual operation and maintenance of several recreational areas.

H: \$4,715,000 will be used for routine preventative maintenance to accomplish the project mission by limiting forced outages and maximizing peak unit availability. This is essential to meeting performance goals, customer satisfaction, and public health and safety requirements.

EN: \$328,000 will be used for the implementation of the shoreline management program, the forest management program, the wildlife habitat program, and the aquatic weed control program. Funds will also be used for cultural resource activities and the initiation of the update of the master plan.

WS: N/A

OTHER INFORMATION: The project has on average 3.4M visits annually to the recreation facilities and has a hydropower capacity of 160,000 KW.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$39 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

FLORIDA

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Canaveral Harbor, FL

AUTHORIZATION: River and Harbor Act 2 March 1945 (PL 79-14) authorized the construction of an entrance channel, jetties, a turning basin enclosed by a dike, and a barge canal with a lock connecting the turning basin with the Intracoastal Waterway Jacksonville to Miami. River and Harbor Act, (PL 87-874) 23 Oct. 1962, as described in Senate Document No. 140, 87th Congress 2nd Session; "Maintenance by means of a sand transfer plant and conventional dredging of authorized channel depths of 37 feet in the existing entrance channel, 36 feet in the existing inner channel, and 35 feet in the existing turning basin."

LOCATION AND DESCRIPTION: Canaveral Harbor is located in Brevard County on the recurring shore of Cape Canaveral in an area known as the Canaveral Bight. Project consists of maintenance of an entrance channel 41 feet deep and 400 feet wide; an inner channel 40 feet deep and 400 feet wide; a 1,200 foot diameter turning basin 39 feet deep; a channel 39 feet deep and 400 feet wide for an 1,800 foot length; enlargement of barge channel to 12 feet deep and 125 feet wide to the Intracoastal Waterway; a channel extension 31 feet deep by 300 feet wide by 1,500 feet long dredged west of the turning basin; a barge lock 90 feet wide and 600 feet long west of the harbor dike; and two entrance jetties to the 12-foot contour. Length of the project is about 11.5 miles. The entrance channel and part of the inner channel have been deepened to 44 feet for the Navy's Trident Project.

ALLOCATION FOR FY 2014: \$4,354,020

BUDGETED AMOUNT FOR FY 2015: M: \$4,800,000 O: \$1,705,000 T: \$6,505,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$6,505,000 will be used to award a contract for maintenance dredging. The contract will require dredging of the most critically shoaled areas with particular emphasis on Cut 1, Cut 1-B, Cut 2, Middle Turning Basin and Inner Channel; and fund the required condition surveys of the channel. Additionally, the operation funds will allow for the annual expenses of continued operation of the Canaveral Lock to include minimum funding for labor, facilities and security.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Over 3,437,000 tons of cargo passes through Canaveral Harbor on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$3,496 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project effort as follows: N/A.

Division: South Atlantic

District: Jacksonville

Canaveral Harbor, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Central & Southern Florida (C&SF), FL

AUTHORIZATION: Flood Control Acts of 1948, 1954, 1958, 1960, 1962, 1965, 1968, Water Resources Development Act (WRDA) of 1992, 1996, and 2000

LOCATION AND DESCRIPTION: The project, covering an area of approximately 16,000 square miles, lies within the southeasterly 18 counties of Florida, but does include the upper St. Johns River Basin, located in the northeastern section of the project; the Kissimmee River Basin, in the central section; the Lake Okeechobee-Everglades in the central and southwestern section; East Coast-Everglades in the southeastern section. The project provides for flood relief and water conservation and provides principally for an East Coast Protective Levee extending from Homestead area north to eastern shore of Lake Okeechobee near St. Lucie Canal; three conservation areas for water impoundment in Everglades area west of East Coast Protective Levee, with control structures to effect transfer of water as necessary; local protection works along lower east coast; encirclement of Lake Okeechobee agricultural area by levees and canals; enlargement of portions of Miami, North New River, Hillsboro, and West Palm Beach canals; enlargement of existing Lake Okeechobee levees and construction of new levees on the northeast and northwest shores of the lake; increased outlet capacity for improved control of Lake Okeechobee; floodway channels in the Kissimmee River Basin, with suitable control structures to prevent over drainage; an interrelated system of canals, levees, pumping stations and structures in southwest Dade County to control water levels; and facilities for regulation of floods in the upper St. Johns River Basin.

ALLOCATION FOR FY 2014: \$14,643,090

BUDGETED AMOUNT FOR FY 2015: M: \$11,922,000 O: \$ 3,190,000 T: \$15,112,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$867,000 provides for minimal operations and maintenance to support navigation suitable for commercial and recreational craft, consisting of two locks and the 155 mile long channel along the Okeechobee.

FRM: \$13,126,000 will provide water control and protection from the recurrence of devastating floodwaters, for the highway-developed urban area along the lower east coast of Florida, and for the productive agricultural areas around Lake Okeechobee (including the towns around the lake) and south Dade County. The project includes a total of 89 miles of levees, 954 miles of canals, 30 pumping plants, 192 floodway control and diversion structures, 26 navigation locks, and 57 railroad relocations (bridges).

RC: \$680,000 will provide operation and maintenance of visitor and recreation facilities serving over two million visitors, at W.P. Franklin Lock and along the waterway as associated with the C&SF project. Assets include campgrounds, visitor center, picnic sites, boat ramps, utilities and provision of ranger staff, volunteers, water safety, contract support for repairs, maintenance and mowing in order to promote safe visitor activities associated with the project.

H: N/A

EN: \$439,000 will provide management of threatened and endangered species, flora and fauna as appropriate, land use management activities, Ranger staff, biologists, volunteers and contract support for the eradication and control of invasive species.

WS: N/A

Division: South Atlantic

District: Jacksonville

Central & Southern Florida, FL

O&M Justification Sheet

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$441 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Jacksonville

Central & Southern Florida, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Escambia and Conecuh Rivers, FL

AUTHORIZATION: River and Harbor Acts of 14 June 1880, 2 March 1907 and 3 July 1958

LOCATION AND DESCRIPTION: The Escambia-Conecuh Rivers are names applied to a single stream, a portion of which is located in Alabama known as the Conecuh River and a portion in Florida known as the Escambia River. This project consists of Bay and River channels that are 100 x 10 feet. The project serves barge transportation needs of the Ascend Performance Materials LLC and Gulf Power companies, major industries in this region. It has steady commercial traffic and requires little maintenance, making it a very cost-effective project to maintain.

ALLOCATION FOR FY 2014: \$33,660

BUDGETED AMOUNT FOR FY 2015: M: \$130,000 O: \$0 T: \$130,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$130,000 will be used for upland disposal area management.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Gulf Power Crist Plant is critical to the regional power grid. Both Gulf Power and Ascend Performance Materials contend that their facilities can not survive without this project. The local railway systems and highway systems could not handle the volume (approximately 3.5 million tons) of traffic that would be required to furnish the coal, limestone, and other raw materials required by these companies and currently supplied by barges. Between these two companies they employ almost 3,000 employees. In Fiscal Year 2012 over 2.8M tons of commodities were transported through this project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$107 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Escambia and Conecuh Rivers, FL

O&M Justification Sheet

APPROPRIATION: Operation & Maintenance

PROJECT NAME: Intracoastal Waterway (IWW) - Jacksonville to Miami, FL

AUTHORIZATION: River & Harbor Act of 1927 and the River & Harbor Act of 1945

LOCATION AND DESCRIPTION: The entire IWW lies within the Jacksonville District boundary. The project starts at the St. Johns River in Duval County and then runs the entire length of the state where it ends in Miami Dade County.

The IWW project authorizes a channel 12 feet deep by 125 feet wide from Jacksonville, Florida south to Fort Pierce, Florida, and is 10 feet deep by 125 feet wide from Ft. Pierce, Florida south to Miami, Florida. The length of the project is approximately 349 miles running from the St. Johns River in northeast Florida southward along the east coast to Miami, Florida.

A Memorandum of Agreement with the Florida Inland Navigation District (FIND) (sponsor) to contribute funds for the Operation and Maintenance (O&M) of the IWW was executed on September 3, 1997. Since that date, FIND has provided over \$50,000,000 for the O&M of the waterway.

ALLOCATION FOR FY 2014: \$1,747,500

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$600,000 T: \$600,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$600,000 development of plans and specifications for maintenance dredging activities within the Intracoastal waterway, to include hydrographic surveys, and real estate and permit activities.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Over 14,000 tons of cargo passes through the IWW on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$144 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the project work as follows: N/A

Division: South Atlantic

District: Jacksonville

IWW Jacksonville to Miami, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Jacksonville Harbor, FL

AUTHORIZATION: River and Harbors Act of 1965, Section 101(a)(17) of the WRDA of 1999, and Section 129 of the Energy and Water Development Appropriation Act of 2006, PL 109-103

LOCATION AND DESCRIPTION: The project provides a channel 40 feet deep from ocean to Mile 20, via Dames Point-Fulton Cutoff, thence 34 feet to Commodore Point, and thence 30 feet deep to the Florida East Coast Railway Bridge at Dames Point Fulton Channel; maintenance of the existing 42- and 40-foot depth entrance channel; widening of channel by 100 feet near Mile 5, by 200 feet near Mile 7 and Chaseville Turn; maintenance of jetties at channel entrance; construction and maintenance of training walls and revetments; a navigation and floodway channel 26 feet by 200 feet along south side of Commodore Point; and approach and mooring basin 20 feet deep, 1,300 feet long at 20-foot depth contour and 600 feet long at pier head line near Naval Reserve Armory in South Jacksonville, a depth of 24 feet between that depth contour and the pier head line from Hogan Creek to the foot of Laura Street; and a depth of 28 feet to within 60 feet long at pier head line between the foot of Laura Street and St. Elmo W. Acosta (formerly upper state) Bridge. Length of project is about 26.8 miles.

ALLOCATION FOR FY 2014: \$8,923,860

BUDGETED AMOUNT FOR FY 2015: M: \$5,950,000 O: \$500,000 T: \$6,450,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$6,450,000 provides routine operations and maintenance for navigation at this strategic port. These funds provide for project condition surveys, maintenance of critical shoals which would improve navigation performance by increasing the availability and reliability of the federal channel, maintenance of training walls and dredge material disposal facilities, and ongoing Dredge Material Management Plans and Ocean Dredge Material Disposal Site (ODMDS) studies. Funds would also be used to modify the Water Quality Certificate for nearshore placement.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Without maintenance of the federal channel, harbor pilots have indicated restrictions would be implemented, reducing two-way traffic and tide restricted movements. Nearshore placement would allow material that may go to the ODMDS to be kept in the littoral system and supports Regional Sediment Management. Over 17,597,000 tons of cargo pass through Jacksonville Harbor on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$152 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

Division: South Atlantic

District: Jacksonville

Jacksonville Harbor, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Jim Woodruff Lock and Dam, FL, AL & GA

AUTHORIZATION: Section 2 of the River and Harbor Act of 1945, as amended

LOCATION AND DESCRIPTION: The Jim Woodruff L & D project is located at Mile 107.3 on the Apalachicola River at the confluence of the Chattahoochee and Flint Rivers (ACF), about 45 miles northwest of Tallahassee, Florida. The project includes a dam, powerhouse, navigation lock, fixed and gated spillways, 39 recreational areas and a 37,500-acre reservoir (Lake Seminole) with 532 miles of shoreline. The project received over 1.2 million visitors last year. Effective and efficient operation of the project is contingent on efficient operation of the ACF Rivers Project and Walter F. George Lock & Dam.

ALLOCATION FOR FY 2014: \$8,105,830

BUDGETED AMOUNT FOR FY 2015: M: \$3,585,000 O: \$4,030,000 T: \$7,615,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,429,000 will be used for critical caretaker operation and maintenance of the lock and spillway.

FRM: N/A

RC: \$1,306,000 will be used for operation and maintenance of recreational facilities including campgrounds, day use areas, and boat ramps.

H: \$4,439,000 will be used for operation and maintenance of structures and equipment associated with the controlled release and storage of water. Routine preventive maintenance is critical for meeting performance goals and providing peaking power with limited forced outages.

EN: \$441,000 will be used for operation, management and protection of existing soil, water, vegetation, forest, fish & wildlife, cultural resources, coordination for federally listed threatened and endangered species and implementation of invasive species management. Hydrilla currently covers 16,000 acres of project waters, degrading habitats and impairing navigation and operation of the powerhouse and recreation structures.

WS: N/A

OTHER INFORMATION: Lake Seminole is routinely listed as one of the top ten fishing lakes in outdoor magazines. There were over 1.2M visits to the recreational facilities in Fiscal Year 2012. The power plant has a capacity of 43,350KW.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this study is \$41 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Jim Woodruff Lock & Dam, FL, AL & GA

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Manatee Harbor, FL

AUTHORIZATION: P.L.99-662, WRDA 1986, Sec. 202; PL 101-640, WRDA 1990,Florida; PL 108-137, Energy & Water, (section 157)

LOCATION AND DESCRIPTION: The project is located on the Gulf coast of Florida, just south of Tampa. The project provides for Federal maintenance of an existing 40-foot deep by 400-foot wide entrance channel and turning basin. The entrance channel extends approximately 3 miles in length from the turning basin to its intersection with the Tampa Harbor Main channel.

ALLOCATION FOR FY 2014: \$3,331,350

BUDGETED AMOUNT FOR FY 2015: M: \$2,645,000 O: \$0 T: \$2,645,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,645,000 provides funding for maintenance dredging associated with the critical shoaling that is occurring within the entrance channel to the port facility. It also provides for the required condition surveys that will communicate the issues to the harbor pilots.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Over 3,197,000 tons of cargo passes through Manatee Harbor on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$444 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Atlantic

District: Jacksonville

Manatee Harbor, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Miami Harbor, FL

AUTHORIZATION: River and Harbor Act of 1960; Section 1001(17) of the Water Resources Development Act of 2007 (P.L. 110-114)

LOCATION AND DESCRIPTION: The project is located in Miami-Dade County on the lower east coast of Florida. The authorized project includes Cut-1 and Cut-2 depth of 52 feet plus one foot allowable overdepth, including a widener at the outer portion of Cut-1 of 800 feet in width; Cut-3 depth of 50 feet plus one foot allowable overdepth, including a turn widener at the intersection of Cut-3 and the Fisher Island Turning Basin; Fisher Island Turning Basin depth of 50 feet plus one foot allowable overdepth; Fisherman's Channel depth of 50 feet plus one foot allowable overdepth, channel width of 440 feet; Lummus Island Turning Basin depth of 50 feet plus one foot allowable overdepth; Cut 4 (Main Channel) and Main Turning Basin depth of 36 feet plus one foot allowable overdepth; and Dodge Island Channel depth of 34 feet plus one foot allowable overdepth.

ALLOCATION FOR FY 2014: \$4,311,450

BUDGETED AMOUNT FOR FY 2015: M: \$100,000 O: \$0 T: \$100,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$100,000 provides post construction monitoring and condition surveys of the recently dredged channel limits.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Over 7,156,000 tons of cargo passes Miami Harbor on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$2,673 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Okeechobee Waterway (OWW), FL

AUTHORIZATION: 1945 River and Harbor Act, 1960 River and Harbor Act

LOCATION AND DESCRIPTION: The project provides a 155-mile long channel across the state from Fort Myers to Stuart. Maintained depth ranges from 8 feet to 10 feet. The waterway runs through Lake Okeechobee and consists of the Caloosahatchee River on the west side of the lake and the St. Lucie Canal on the east side. Included in the project are navigation locks at Ortona, Moore Haven, and St. Lucie. Additional locks at W. P. Franklin and Port Mayaca authorized under the Central and Southern Florida Project are also located within the waterway.

ALLOCATION FOR FY 2014: \$2,442,330

BUDGETED AMOUNT FOR FY 2015: M: \$93,000 O: \$2,066,000 T: \$2,159,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,062,000 will provide for annual operation of St. Lucie, Moore Haven and Ortona locks, including minimal labor, facilities security and contract support.

FRM: N/A

RC: \$677,000 will provide for minimal operation and maintenance of visitor and recreation facilities. With an annual visitation estimated at approximately 6 million and NED value of over \$55,000,000 annually, the OWW is a valuable resource to the south Florida area and the nation. Lake Okeechobee has an excellent reputation for fishing and hosts more than 500 fishing tournaments each year. Visitation in FY08 totaled 6.2 million with \$384,000 in user fee revenues and \$392,000 in volunteer services provided.

H: N/A

EN: \$420,000 will be used to manage habitat, fire, wildlife, fisheries, aquatic plants, endangered and protected species, control encroachments, provide shoreline management, boundary line surveillance, and cultural resources protection on OWW Project lands and waters. Priority work includes management of special status species, invasive species control, and shoreline/encroachment management.

WS: N/A

OTHER INFORMATION: There are currently six special status species with Fish and Wildlife Service Recovery Plans inhabiting project lands and waters. These include manatee, Everglades's snail kite, Okeechobee gourd, Eastern Indigo snake, crested caracara, and the wood stork. The waters and lands of the OWW project are infested with invasive species. Target species for removal include Brazilian pepper, Australian pine, air potato, Melaleuca, water hyacinth, water lettuce, alligator weed, cogon grass, sailfin catfish, fire ant, wild boar, and giant apple snail. The OWW and Central & South Florida projects contain 402 miles of shoreline and 654 miles of boundary. There are currently approximately 400 active permits.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$52 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

Division: South Atlantic

District: Jacksonville

Okeechobee Waterway, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Palm Beach Harbor, FL

AUTHORIZATION: River and Harbor Act of 1960

LOCATION AND DESCRIPTION: The project is located in Palm Beach County on the lower east coast of Florida. Palm Beach Harbor provides an entrance channel 35 feet deep, 400 feet wide, and 0.8 miles long, merging with an inner channel 33 feet deep, 300 feet wide, and 0.3 miles long, then flaring into a turning basin with a 1,200 foot turning diameter, and jetties on the north and south sides of the inlet. Length of project is about 1.6 miles.

ALLOCATION FOR FY 2014: \$2,475,000

BUDGETED AMOUNT FOR FY 2015: M: \$3,000,000 O: \$300,000 T: \$3,300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,300,000 - Maintenance dredging contract will be scoped to comply with Fiscal Year 2015 budget amount. The contract will require dredging of the most critically shoaled area of the 1.6 mile waterway, with particular emphasis on the entrance channel.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: With the first winter storm, the project will lose three feet or more of channel depth, resulting in significant light loading of foreign and domestic shipments of fresh produce and goods. Federal channel also provides access for fuel oil to South Florida power plants. Over 1,863,000 tons of cargo navigates the Palm Beach Harbor on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$396 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

Division: South Atlantic

District: Jacksonville

Palm Beach Harbor, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pensacola Harbor, FL.

AUTHORIZATION: River and Harbor Act of 23 October 1962 and previous acts.

LOCATION AND DESCRIPTION: Pensacola Harbor is located on Pensacola Bay in northwest Florida. The project consists of a 35 x 500 feet main entrance channel, and 33 x 300-500 feet bay approach, and inner harbor channels. The Bayou Chico project is located within Pensacola Bay in Pensacola, Florida and provides for an entrance channel 15 x 100 feet, thence to a 14 x 75 foot channel terminating into a turning basin 14 x 500 and 500 feet long. The port has seen an increase in usage by cement and aggregate ships.

ALLOCATION FOR FY 2014: \$1,099,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,084,000 O: \$0 T: \$2,084,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,084,000 provides for environmental coordination and dredging the Entrance Channel.

FRM: N/A.

RC: N/A.

H: N/A.

EN: N/A.

WS: N/A.

OTHER INFORMATION: This is a high use deep draft project that typically requires little maintenance to provide project depths. Maintenance cost per ton of cargo shipped is very low making this project a good value for the return on investment. The project also serves as the entrance channel to the Pensacola Naval Air Station. Over 848,000 tons of commodities were transported through this project in FY 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$15 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Port Everglades Harbor, FL

AUTHORIZATION: River and Harbor Act of 1960

LOCATION AND DESCRIPTION: The Project is located in Broward County on the lower east coast of Florida. The outer part of the entrance channel is 45 feet deep by 500 feet wide and is 5,100 feet long including a 1,000-foot transition section inside the two jetties. The inner part of the entrance channel is 42 feet deep by 450 feet wide for a length of 4,800 feet through the main turning basin. The main turning basin is 42 feet deep over a rectangular area 1,700 feet by 2,300 feet. The 31-foot deep north turning basin extends 1,100 feet to the north, tapering from 800 to 500 feet at the northern extreme. The south turning basin extends approximately 1,100 feet to the south by 1,260 feet wide, with authorized depths of 31, 36, and 37 feet. The 42-foot deep by 400-foot wide south port channel extends 9,356 feet south from the entrance channel. The turning notch is 42 feet deep by 750 feet by 1,000 feet, adjoining the south port channel from the west approximately 6,500 feet south of the entrance channel. Length of project is approximately 3.5 miles.

ALLOCATION FOR FY 2014: \$297,000

BUDGETED AMOUNT FOR FY 2015: M: \$500,000 O: \$0 T: \$500,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$500,000 provides project condition surveys for the channel and the Ocean Dredged Material Disposal Site, United States Geological Survey/United States Navy/Sponsor coordination, permit required monitoring and Florida Department of Environmental Protection (FDEP) permit investigations and revisions.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Over 20,878,000 tons of cargo navigates Port Everglades Harbor on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$152 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

Division: South Atlantic

District: Jacksonville

Port Everglades, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Removal of Aquatic Growth, FL

AUTHORIZATION: River and Harbor Act of 1899, as amended

LOCATION AND DESCRIPTION: This project provides annual mission essential prevention, control and removal of nuisance aquatic vegetation impacting, obstructing or threatening navigation in the Federal navigation channels of the St. Johns, Kissimmee, Withlatchoochee, Ocklawaha and Crystal Rivers in addition to the Okeechobee Waterway projects. This includes approximately 600 miles of channel with 650,000 surface acres. Operational priority is given to controlling floating nuisance vegetation in order to keep the principal navigable waterways and locks open for navigation.

ALLOCATION FOR FY 2014: \$3,465,000

BUDGETED AMOUNT FOR FY 2015: M: \$3,200,000 O: \$0 T: \$3,200,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,200,000 - The projects consist of maintenance control operations to control vegetation in the St. Johns, Kissimmee, Withlatchoochee, Crystal and Ocklawaha Rivers in addition to the Okeechobee Waterway and Lake Okeechobee. Maintenance control is defined as keeping target vegetation at the lowest feasible levels to protect navigation interests. Anticipate controlling approximately 15,000 – 17,000 acres of vegetation in FY 2015. In addition, the USACE will conduct educational outreach activities for our customers, conduct pre- and post-treatment surveys to ensure safety of our staff and the public and conduct an environmentally compatible program. The primary purpose of these operations is to control floating nuisance vegetation in order to keep the principal navigable waterways and locks open for navigation in the listed Federal Navigation projects.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Coordination between the Corps and other Federal, state, and local agencies is conducted on a continual basis. The Florida Wildlife and Conservation Commission is the principal state agency involved in project coordination.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$201 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

Division: South Atlantic

District: Jacksonville

Removal of Aquatic Growth, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Scheduling of Reservoir Operations, FL

AUTHORIZATION: River and Harbor Act of 1960

LOCATION AND DESCRIPTION: The project provides required water management oversight and monitoring of water control plans located in Central & Southern Florida to achieve maximum benefits.

ALLOCATION FOR 2014: \$34,650

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$33,000 T: \$33,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2014:

N: N/A

FRM: \$33,000 provided to support labor needed to coordinate with Sponsor on water related management activities to achieve maximum benefits on monitoring of water control plans.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: South Florida Ecosystem Restoration (SFER), Florida

AUTHORIZATION: The SFER Operations & Maintenance (O&M) program is comprised of the Central & Southern Florida (C&SF) project, the US DOI Modified Water Deliveries to Everglades National Park, Florida (MWD) project and the Everglades & South Florida (E&SF) Seminole Big Cypress project.
-C&SF (includes the Comprehensive Everglades Restoration Plan – CERP) Authorization for O&M was contained in WRDA 2000 (Public Law 106-543), Section 601 (e) (4).
-MWD was authorized under Public Law (P.L.) 101-229 of the 1989 Everglades National Park Protection and Expansion Act. P.L. 108-7 was passed in 2003. P.L. 111-8 was passed in March 2009.
-E&SF: Seminole Big Cypress Reservation Water Conservation Plan (part of the Critical Projects, Florida) Authorization for O&M was contained in WRDA 2000 (Public Law 106-543), Section 601 (e) (4).

LOCATION AND DESCRIPTION: The South Florida Ecosystem Restoration Program stretches from the southern Orlando area southward across the Everglades, the Florida Keys, the contiguous and near-shore waters of South Florida, and across South Florida from east to west including portions of the drainage areas of the Indian River Lagoon and the Caloosahatchee River, as well as population centers along the southeast and southwest coasts. It encompasses an area of approximately 18,000 square miles, which includes all or part of 18 counties in the southeast part of the State of Florida.

ALLOCATION FOR FY 2014: \$7,197,300

BUDGETED AMOUNT FOR FY 2015: M: \$5,495,000 O: \$3,536,000 T: \$ 9,031,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: N/A

H: N/A

EN: \$9,031,000 will provide annual water management operation of project features, critical management/maintenance of hydrological and meteorological operations, streamgaging oversight of the entire program for use in annual water management operations; O&M for Seminole Big Cypress; MWD; CERP: Melaleuca Eradication; CERP: Picayune Strand Restoration Merritt and Faka Union Pump Stations; CERP Site 1 Impoundment Phase I; CERP Indian River Lagoon South C-44 Intake Canal; C&SF: Manatee Pass Gates; and C&SF: C-111 South Dade County projects.

WS: N/A

OTHER INFORMATION: Two CERP components were completed in FY 2014; CERP: Picayune Strand Restoration Faka Pump Station, and CERP Indian River Lagoon South C-44 Troup Indiantown Intake Canal.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$365 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Jacksonville

SFER, FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: Tampa Harbor, FL

AUTHORIZATION: HR 91-401 91 2; (Pages 10 & 11 of 88 Page Report); Energy and Water Act November 7, 2003, Report No. 108-357

LOCATION AND DESCRIPTION: The total project consists of a channel from the Gulf of Mexico to Port Tampa and downtown Tampa. Project features include the entrance channel from the Gulf of Mexico to Hillsborough Bay. At Hillsborough Bay, the channel splits into two legs, with one continuing west to Port Tampa and the other east to Gadsden Point. The west channel continues to Port Tampa and ends in a turning basin. The west channel to Gadsden Point includes the Alafia River, Port Sutton, East Bay, and Seddon Channels. The project depth varies from 45 feet in the entrance channel at the Egmont Bar Channel to 30 feet in the Alafia River. Length of project is about 67 miles including 3.6 miles in the Alafia River. The Port of Tampa has more cargo tonnage than all other Florida ports combined.

ALLOCATION FOR FY 2014: \$13,198,295

BUDGETED AMOUNT FOR FY 2015: M: \$9,350,000 O: \$650,000 T: \$10,000,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$10,000,000 - The contract will require dredging of the most critically shoaled areas with particular emphasis on the Entrance Channel and the west channel to Port Tampa (Gadsden Point Cut, Cut G, Cut J, Cut J-2, & Cut K). These funds would improve navigation performance by increasing the availability and reliability of the channel through maintenance dredging. It also provides for the required condition surveys that will communicate the issues to the harbor pilots.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Over 32,390,000 tons of cargo enters Tampa Harbor on an annual basis.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$238 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

Division: South Atlantic

District: Jacksonville

Tampa Harbor, FL

GEORGIA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Allatoona Lake, GA

AUTHORIZATION: Flood Control Acts of 18 August 1941 and 22 December 1944. Recreation facilities were authorized by Section 4 of the Flood Control Act of 22 December 1944.

LOCATION AND DESCRIPTION: This 37,000 acre multi-purpose flood risk management project is located on the Etowah River, a segment of the Alabama-Coosa-Tallapoosa (ACT) Rivers System, 48 miles above Rome, Georgia. The project includes a dam, hydroelectric powerhouse, gated spillway, a reservoir, 23 Corps of Engineers recreation areas and 54 non-federal recreation areas. The lake supports over 6 million visitors per year with over 90 million visitor-hours of recreation annually and is an important source of storage for the Atlanta Metropolitan Area's water supply.

ALLOCATION FOR FY 2014: \$8,083,350

BUDGETED AMOUNT FOR FY 2015: M: \$2,223,000 O: \$5,704,000 T: \$7,927,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$400,000 will be used for activities related to the controlled release and storage of water, including the collection of water management data and dam safety activities.

RC: \$3,134,000 will be used for the annual operation of several recreational areas.

H: \$3,080,000 will be used for the annual maintenance of the structure and equipment associated with the controlled release and storage of water. Funds will also be used for the collection of water management data and dam safety activities.

EN: \$1,299,000 will be used for natural resources management, shoreline management, water quality monitoring, master plan update and NEPA compliance surveys.

WS: \$14,000 will be used for water supply contract management activities.

OTHER INFORMATION: This project is located within the ACT Rivers System and 33 miles north of Atlanta, Georgia. This is one of Corps of Engineer's most highly visited recreational projects and provides hydropower marketed by the Southwestern Power Administration. The project experienced over 6.3M visits in Fiscal Year 2012 and has a hydropower capacity of 68,972,000 KW. The project also provides 51.3M gallons per day in water supply.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$6 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Allatoona Lake, GA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Apalachicola, Chattahoochee and Flint Rivers (ACF), GA, AL & FL

AUTHORIZATION: Section 2 of the River and Harbor Act of 1945, modified by WRDA 1986

LOCATION AND DESCRIPTION: The project is located in southeast Alabama, southwest Georgia and northwest Florida. The project includes a 9 X 100 foot navigation channel in the Apalachicola River in Florida, a 9 X 100 foot channel in the Flint River in Georgia to the City of Bainbridge, and a 9 X 100 foot navigation channel on the Chattahoochee River in Alabama and Georgia to Columbus, Georgia. The project includes George W. Andrews Lock on the Chattahoochee River in Early County, Georgia.

ALLOCATION FOR FY 2014: \$1,310,760

BUDGETED AMOUNT FOR FY 2015: M: \$290,000 O: \$2,251,000 T: \$2,541,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$557,000 will be used for caretaker operation of water management structures including the operation of the spillway gates.

N-SUS15: \$38,000 provides for replacement of 18 high mast lighting fixtures with LED retro fits. It is estimated that by changing to LED lighting there will be a savings of 157,768 kwh, reduction of CO2 by 205,098 lbs, reduction of SO2 by 15,382 lbs, and reduction of NO2 7,982 lbs by per year. 2/

FRM: \$371,000 will be used for the mandated revision of the ACF Water Control Manuals.

RC: \$122,000 will be used for caretaker operation of the recreational facilities to accommodate visitation.

H: \$1,330,000 will be used for the mandated revision of the ACF Water Control Manuals.

EN: \$161,000 will be used for the ranger staff, management of forestry and wildlife activities and other cultural and natural resources activities.

WS: N/A

OTHER INFORMATION: This project has been designated as a low-use navigation waterway. There are several threatened and endangered species in the lower part of the system. There is a legal mandate to update the ACF water control manual which is funded under this project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$592 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: South Atlantic

District: Mobile

ACF Rivers, GA, AL and FL

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Atlantic Intracoastal Waterway, GA

AUTHORIZATION: Multiple Rivers and Harbors Acts, Beginning 1880, latest P.L. 14 dated March 2, 1945

LOCATION AND DESCRIPTION: The Savannah District's portion of the Atlantic Intracoastal Waterway (AIWW) consists of 161 miles of shallow draft channel from Port Royal Sound, SC to Cumberland Sound, FL. The authorized depth of the project is -12 feet below mean low water (MLW). The purpose of the project is to provide safe and economical movement of goods between major deep draft ports that cannot be moved via highway or rail. The current controlling depth of the project is -2 feet below MLW. The project was last dredged in FY 2009.

ALLOCATION FOR FY 2014: \$162,360

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$176,000 T: \$176,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$176,000 will be used to perform condition surveys and other critical caretaker activities.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Lack of adequate confined upland disposal area capacity has limited dredging to only certain reaches. Current traffic relies on accurate surveys and the tides in order to utilize the AIWW. Changes to the Georgia Coastal Zone Management (CZM) plan may require changes to dredge material placement when dredged material is more than 88% sand.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$97 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Atlantic

District: Savannah

Atlantic Intracoastal Waterway, GA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Brunswick Harbor, GA

AUTHORIZATION: PL 108-07 WRDA 99

LOCATION AND DESCRIPTION: Brunswick Harbor is a deep-water port with project dimensions of 38 feet deep by 500 feet wide in the bar channel and 36 feet deep by 400 feet wide in the inner channels through St. Simon's Sound, Brunswick River and East River. The inner harbor is maintained through use of Andrews Island, the sole upland disposal area. The inner harbor has two turning basins, one in East River and the other in Turtle River.

ALLOCATION FOR FY 2014: \$7,366,795

BUDGETED AMOUNT FOR FY 2015: M: \$2,650,000 O: \$ 1,212,000 T: \$3,862,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR BY 2015:

N: \$3,862,000 provides for minimal operation and maintenance for dredging, environmental monitoring, water quality monitoring, condition surveys, dredge management containment areas and real estate activities. This results in maintenance dredging of only the most critical shoals in the shipping channel, yielding a 500 feet wide and 34 feet deep entrance channel and a 400 feet wide and 32 feet deep inner channel, significantly less than the authorized project dimensions. The channel now only allows for one-way passage of ships, and requires vessels to light load.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Environmental constraints limit USACE's ability to fully maintain the harbor because of reduced time windows and higher dredging costs. Ocean-going hopper dredge operations are restricted to 15 December to 31 March by the presence of threatened and endangered sea turtles. In addition, the dredges' sailing speed is restricted when right whales are spotted within ten miles of the project. Monthly controlling depth surveys are conducted to provide timely and useful information to mariners concerning shoaling. Primary commodities transported through Brunswick Harbor are coal, petroleum and its products, chemicals and related products, crude materials, manufactured goods and equipment, and farm products, totaling about 2,500,000 tons annually. Brunswick Harbor is the 3rd largest roll on-roll off auto handling port in the nation. The port generates \$44,460,000 in port business with \$217,000,000 annually in duty taxes and supports 98,000 jobs.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$25 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Atlantic

District: Savannah

Brunswick Harbor, GA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Buford Dam and Lake Sidney Lanier, GA

AUTHORIZATION: Section 2 of the River and Harbor Act of 1945, as amended

LOCATION AND DESCRIPTION: The project is located approximately 40 miles north of Atlanta, GA on the Chattahoochee River in Gwinnett, Hall, Dawson, Lumpkin and Forsyth Counties. The project includes a hydroelectric powerhouse, a 39,000 acre flood risk management reservoir with 692 miles of shoreline, and 83 recreation facilities. The project is a three-time winner of the Corps "Project of the Year Award" and leads the nation in user fees. Local Chamber of Commerce data shows Lake Lanier has a \$5.5 billion annual economic impact. Last year the project totaled over 7.1 million in visitation.

ALLOCATION FOR FY 2014: \$9,026,290

BUDGETED AMOUNT FOR FY 2015: M: \$3,810,000 O: \$5,737,000 T: \$9,547,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$41,000 will be used for operation and maintenance of structures and equipment associated with the controlled release and storage of water.

FRM: \$483,000 will be used for operation and maintenance of structures and equipment associated with the controlled release and storage of water and dam safety activities. Approximately \$2,000,000,000 plus worth of property is located in the floodplain between Buford and Peachtree Creek. The project is essential to the protection of property in the metropolitan Atlanta area.

RC: \$3,766,000 will be used for operation and maintenance of recreational facilities including campgrounds, day use areas, and boat ramps. This project is one of the most visited Corps of Engineers projects in the United States.

RC-SUS15: \$383,000 provides for the installation of LED light fixtures. It is estimated that these fixtures will reduce the consumption from lights by 50-75 percent, or approximately 130,000-195,000kWh for a savings of approximately \$32,000 - \$46,800 per year or \$160,000-\$234,000 over five years. 2/

H: \$4,076,000 will be used for operation and maintenance of structures and equipment associated with the controlled release and storage of water. Routine preventive maintenance is critical for meeting performance goals and providing peaking power with limited forced outages.

EN: \$1,181,000 will be used for stewardship of fee owned acreage, natural resources management, water quality protection, and protection of federally listed threatened and endangered species. The Shoreline Management Program is one of the largest in the country with over 10,000 permits issued.

WS: N/A

OTHER INFORMATION: This is one of the most highly visited Corps of Engineers projects in the United States, is currently the main source of drinking water for the Atlanta Metropolitan area and provides peak power marketed by the Southeastern Power Administration. The project has over 6.9M visits and over \$26.6M in damages prevented in FY 2012. The hydropower capacity is 101,236,000 KW.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$28 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars

Division: South Atlantic

District: Mobile

Buford Dam and Lake Sidney Lanier, GA

O&M Justification Sheet

estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Carters Dam and Lake, GA

AUTHORIZATION: Section 2 of the River and Harbor Act of 1945, as amended

LOCATION AND DESCRIPTION: This 8,577 acre project is located on the Coosawattee River, a portion of the Alabama-Coosa-Tallapoosa (ACT) River System, 26.8 miles above the mouth of the river, near Chatsworth, Georgia. The project includes a dam, hydroelectric powerhouse (master plant that also controls Allatoona and Buford), a flood risk management reservoir and 10 recreational areas.

ALLOCATION FOR FY 2014: \$8,046,720

BUDGETED AMOUNT FOR FY 2015: M: \$5,045,000 O: \$3,548,000 T: \$8,593,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$857,000 will be used for operation and maintenance of structures and equipment associated with the controlled release and storage of water and for dam safety activities.

RC: \$1,293,000 will be used for operation and maintenance of recreational facilities including campgrounds, day use areas, swim beaches, boat launching ramps, and fishing areas.

H: \$6,189,000 will be used for operation and maintenance of structures and equipment associated with the controlled release and storage of water. Routine preventive maintenance is critical for meeting performance goals and providing peak power with limited forced outages.

EN: \$246,000 will be used for stewardship of project natural resources, updating master plan, management of wildlife habitat, monitoring and managing forest resources, and monitoring and resolving encroachments.

WS: \$8,000 will be used for water supply contract management activities.

OTHER INFORMATION: The Carters project includes a main dam and a reregulation dam. Two of the four generators can be reversed and utilized as pumps. These two units are used to pump water back to the main reservoir during non peak generation hours for reuse during peaking hours. The total hydropower capacity is 475,871,000 KW. The project had over 0.5M visits in FY 2012 and supplies approximately 2M gallons/day in water supply.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$ 3 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Carters Dam and Lake, GA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hartwell Lake, GA and SC

AUTHORIZATION: Flood Control Act 1950 and 1958; Water Resources Development Act 1976

LOCATION AND DESCRIPTION: The Project is located midway between Atlanta, GA and Charlotte, NC. The dam is a concrete gravity type, 1900 feet long and 204 feet high with a 568-foot controlled spillway. The project provides 2,800,000 acre feet of storage with 1,400,000 allocated to hydropower, 293,000 to flood control and 1,100,000 acre feet to inactive storage. The project spans 962 miles of shoreline, 56,000 acres of water, and 23,500 acres of land.

ALLOCATION FOR FY 2014: \$11,005,720

BUDGETED AMOUNT FOR FY 2015: M: \$3,153,000 O: \$7,899,000 T: \$11,052,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$24,000 provides routine operation and maintenance for joint costs, including water management, and USGS gaging, under the navigation business line.

FRM: \$582,000 provides routine O&M of the project flood risk management infrastructure; annual O&M of the Clemson pumping station, earthen and concrete dam, spillway and auxillary equipment; and all dam safety instrumentation, engineering analysis and dam failure emergency planning.

RC: \$3,901,000 provides for minimal O&M of recreation areas with reduced levels of service, reduced recreation seasons and partial/temporary closures. Includes funding for O&M Ranger staff, administration, water safety, district recreation and real estate support. Recreation funding provides for contracts enabling reduced operation and maintenance of 44 of the total 50 campgrounds, day use parks and access areas on Hartwell Lake.

H: \$4,964,000 provides routine O&M of hydropower function, including funding for staff, replacement parts and funding needed to comply with North American Electric Reliability Corporation's reliability standards.

EN: \$1,220,000 provides administration of the Corps' largest shoreline management program including 11,000 dock permits (these permits comprise over 25% of the permits in the nation), minimal O&M of environmental stewardship activities, environmental compliance, and fishery and wildlife management.

WS: \$361,000 provides administration of three existing water supply agreements.

OTHER INFORMATION: Hartwell is one of the most visited projects in the nation. The project served 9,353,000 visitors in FY 2012, resulting in \$273,295,000 in visitor spending within 30 miles of the project and \$946,000 in revenues returned to the treasury. The Hartwell Power Plant produced 463,128 mega watt hours (MWH) in FY 2013 with \$21,694,000 returned to the treasury. Total cumulative flood damages prevented is \$74,033,000 as of 11 July 2013.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$44 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$ 0. This amount will be used to perform work on the project as follows: N/A

Division: South Atlantic

District: Savannah

Hartwell Lake, GA and SC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: J. Strom Thurmond (JST) Dam and Lake, GA and SC

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The dam is located 22 miles north of Augusta, GA and consists of a 2,282-foot long, 200-foot high concrete section and a controlled spillway 1,096 feet long. It provides a total storage of 2,900,000 acre-feet, of which 390,000 acre-feet are for flow regulation to benefit navigation below Augusta and for hydropower. The multi-purpose project's 80,000 acres of land, 70,000 acres of water, and 1,200 miles of shoreline inhabit seven counties in Georgia and South Carolina.

ALLOCATION FOR FY 2014: \$9,939,610

BUDGETED AMOUNT FOR FY 2015: M: \$6,300,000 O: \$7,177,000 T: \$13,477,000

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$42,000 provides routine O&M for joint cost for water management and United States Geological Survey gaging.

FRM: \$413,000 provides for instrumentation for engineering analysis, an Emergency Action Plan update and dam safety assurance studies.

RC: \$3,114,000 provides minimal routine service levels and short seasons to 34 recreational areas, with potential for 2 major areas to be closed or out granted, Ranger staffing, administration, a small water safety campaign, and contracts for O&M services in Corps operated areas.

H: \$8,544,000 provides minimal routine O&M of the hydropower plant, staffing, field engineering, some replacement parts, and compliance with the North American Electric Reliability Corporation's reliability standards.

EN: \$1,282,000 will be used to manage 150,000 acres of natural resources, resolve 5 encroachments on Corps-owned property, conduct cultural resource clearances, monitor Best Management Practices and evaluate areas of possible erosion, manage 40% of the shoreline management program, perform environmental inspections and endangered species clearances in outgrant areas, treat 70 acres of invasive aquatic vegetation, process outgrant requests, and maintain the project boundary line.

WS: \$82,000 provides for management of seven existing water supply agreements.

OTHER INFORMATION: Thurmond Power Plant has seven 52,000kw units and has one of the highest unit availability rates in the Corps. The project served 5,042,000 visitors in FY 2012, resulting in \$134,714,000 in visitor spending within 30 miles of the project and \$875,000 in revenues. The J. Strom Thurmond Power Plant produced 328,000 mega watt hours in FY 2012, returning \$10,530,000 in revenues to the General Treasury through the Southeastern Power Administration. J. Strom Thurmond prevented an estimated \$116,577,000 in cumulative flood damages.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$522 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Atlantic

District: Savannah

JST Dam and Lake, GA and SC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Richard B. Russell (RBR) Dam and Lake, GA & SC

AUTHORIZATION: Flood Control Act of 1950 and 1958; WRDA 1976

LOCATION AND DESCRIPTION: The dam is located on the Savannah River, near Calhoun Falls, SC, and is 59 miles north of Augusta, GA. The dam has a concrete section 1,884 feet long with a maximum height of 210 feet and a controlled spillway 590 feet long. It provides approximately 1,166,200 acre-feet of storage, of which 126,800 acre-feet are allocated for hydropower, 140,000 for flood control, and 899,400 for inactive storage.

ALLOCATION FOR FY 2014: \$10,869,930

BUDGETED AMOUNT FOR FY 2015: M: \$4,492,000 O: \$4,267,000 T: \$8,759,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$424,000 provides for ongoing maintenance and repair of 10 flood control gates, instrumentation for Engineering Analysis (seismic, non-seismic, and structural), a bi-annual exercise on Dam Failure Emergency Planning, and an Emergency Action Plan update.

FRM-SUS15 \$45,000 provides for an energy audit on the Russell Project, looking at power plant, project office. Audit will generate energy conservation measures that when implemented will reduce our energy or water consumption. 2/

RC: \$503,000 provides minimal O&M for partnership activities, water safety and coordination of recreation services with cost-share sponsors.

RC-SUS15 - \$7,000 provides for a demonstration project to change visitor center lighting to LED lighting technology. 2/

H: \$7,771,000 provides for minimal critical routine O&M, including funding for O&M staff, field engineering, and compliance with North American Electric Reliability Corporation's reliability standards. Funding also provides liquid oxygen supplies for the Russell and Thurmond dissolved oxygenation systems sufficient for average water flow years, and provides materials, supplies and O&M activities that are critical to limiting forced outages to 2%, maximizing peak unit availability, and providing reliable energy to the Southeastern Power Administration's federal power customers. Environmental compliance mitigation payments of approximately \$1,000,000 are included under the hydropower business line.

EN: N/A.

WS: \$61,000 will be utilized to manage two existing water supply agreements and to bill users.

OTHER INFORMATION: The Thurmond Project Oxygen System was constructed in FY 2012 as an environmental feature of Russell Pump-Back operations, and annual oxygen supplies are a direct increase to annual operating costs. The Richard B. Russell Power Plant produced 618,305 mega watt hours (MWH) in FY 2012, also pumping 487,000 MWH, returning \$54,812,000 to the treasury. Richard B. Russell prevented an estimated \$25,873,000 in cumulative flood damages as of 11 July 2013.

O&M Justification Sheet

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$64 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$ 0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Savannah Harbor, GA

AUTHORIZATION: Water Resource Development Act (WRDA) 92, Sec.101 (10), Oct 31, 1992

LOCATION AND DESCRIPTION: The deep draft navigation project is the border between Georgia and South Carolina and consists of a bar channel 11.5 miles long, 44 feet deep and 600 feet wide, an inner harbor channel 21 miles long, 42 feet deep and 500 feet wide. The inner harbor has six turning basins and an inactivated tide gate structure adjacent to a sediment basin. Kings Island Turning Basin is the primary turning basin adjacent to the Georgia Port Authority docks. There are eight active, upland dredged material disposal facilities, and one off-shore dredged material disposal facility used for harbor maintenance.

ALLOCATION FOR FY 2014: \$23,824,350

BUDGETED AMOUNT FOR FY 2015: M: \$14,370,000 O: \$2,050,000 T: \$16,420,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR BY 2015:

N: \$16,420,000 provides for minimal essential operational activities to support maintenance dredging of the bar channel, inner harbor channel and only Kings Island turning basin to authorized project depths and widths. Work includes hydrographic surveys, O&M of dredged material disposal, environmental monitoring and real estate activities. These funded activities will result in a channel minimally adequate for shipping/port interests, meeting navigation performance measures and associated environmental requirements.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Savannah Harbor handles 54% of the export tonnage and 46% of the import tonnage. Chatham County industries did \$1,740,000,000 in port business in 2011 and 37,319 jobs in Chatham County are tied to port activities. Savannah Harbor is the rapid deployment Port of Embarkation for the 3rd Infantry Division and other elements of the 18th Airborne Corps. Ocean-going hopper dredge operations are restricted to December through March due to threatened and endangered sea turtles with sailing speed restricted when right whales are spotted within ten miles of the project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$126 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

Division: South Atlantic

District: Savannah

Savannah Harbor, GA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Savannah River below Augusta, GA

AUTHORIZATION: Public Law 70-101

LOCATION AND DESCRIPTION: The project begins upriver of Savannah Harbor (mile 21.31) and continues to river mile 202.6 at Augusta, GA. The New Savannah Bluff Lock and Dam is located 187 river miles above Savannah Harbor, Georgia and is approximately 13 miles downstream of Augusta, Georgia. The structure's original purpose was to provide for passage of commercial navigation on the Savannah River below Augusta Navigation Project. Commercial navigation through the lock ceased in the early 1980s and the lock is only used intermittently by recreational vessels. Since 1987, the City of Augusta, Georgia has operated the lock under a lease agreement with the Corps of Engineers.

ALLOCATION FOR FY 2014: \$199,980

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$ 109,000 T: \$ 109,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$55,000 will be used to operate the gates on the spillway portion of the Lock and Dam, which are remotely operated from the J. Strom Thurmond Dam, and to conduct a condition survey of the river.

FRM: \$54,000 will be used for instrumentation for Engineering Analysis (seismic, non-seismic and structural) to perform required condition surveys of the lock and dam structure and to perform required water management activities.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Funding is available for caretaker status only. The New Savannah Bluff Lock and Dam provides a pool upstream in the Augusta, GA and North Augusta, SC areas for drinking water and industrial uses. The City of Augusta operates the recreation facilities and the navigation lock for recreational traffic and support of annual fish migration. The lock now typically accommodates 25 recreational lockages per year.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$20 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Atlantic

District: Savannah

Savannah River below Augusta, GA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: West Point Dam and Lake, GA & AL

AUTHORIZATION: Flood Control Act of 23 October 1963

LOCATION AND DESCRIPTION: The project is located approximately 70 miles southwest of Atlanta, Georgia, on the Chattahoochee River in Troup and Heard Counties, Georgia, and Chambers County, Alabama. The project includes a hydroelectric powerhouse, a 26,000-acre flood damage reduction reservoir with over 500 miles of shoreline, 31,000 acres of public land, and 35 recreation facilities.

ALLOCATION FOR FY 2014: \$7,982,820

BUDGETED AMOUNT FOR FY 2015: M: \$3,851,000 O: \$3,972,000 T: \$7,823,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$17,000 will be used for the operation and maintenance of structures and equipment associated with the controlled release and storage of water for downstream navigation.

FRM: \$290,000 will be used for the operation and maintenance of structures and equipment associated with the controlled release and storage of water and dam safety activities.

RC: \$2,784,000 will be used for the operation and maintenance of recreational facilities including campgrounds, day use areas, and boat ramps.

H: \$3,298,000 will be used for the operation and maintenance of structures and equipment associated with the controlled release and storage of water to generate hydro-electric power. Routine preventive maintenance is critical for meeting performance goals and providing peak power with limited forced outages.

EN: \$1,434,000 will be used for environmental stewardship of fee owned acreage, natural resources management, wildlife habitat improvement, and cultural resources protection.

WS: N/A

OTHER INFORMATION: This project is part of the Apalachicola-Chattahoochee-Flint (ACF) River System and has received praise from the public for the recreational opportunities it provides and flood risk reduction realized during heavy rains and floods. The average annual amount of damages prevented is over \$5.5M. There are over \$2M visits annually to the recreation facilities and a hydropower capacity of 73,375 KW.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$40 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

West Point Dam and Lake, GA & AL

MISSISSIPPI

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Biloxi Harbor, MS

AUTHORIZATION: Section 107 of River and Harbor Act of 1960 and River and Harbor Act of 1966

LOCATION AND DESCRIPTION: The project is located on Biloxi Bay bordering Harrison and Jackson counties, Mississippi. The project consists of a 12 x 150 foot main channel from the Gulf Intracoastal Waterway leading northward to, and including several small commercial channels and turning basins on Mississippi Sound and Biloxi Bay. The project supports important coal shipments to fuel an electric power generation plant as well as commercial fisheries and heavy industrial manufacturing facilities.

ALLOCATION FOR FY 2014: \$0

BUDGETED AMOUNT FOR FY 2015: M: \$2,186,000 O: \$25,000 T: \$2,211,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,211,000 will be used for maintenance dredging of the East Access Channel and environmental coordination.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This high use shallow draft project is critical for coal shipments for power generating facilities supplying south Mississippi. Also, heavy industrial manufacturing facilities are located on the waterway including industries that often contract with the Corps for construction of lock gates and other large bridge components, etc. In Fiscal Year 2012, over 3.1M tons of commodities were transported.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$ 113 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Biloxi Harbor, MS

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: East Fork, Tombigbee River, MS

AUTHORIZATION: Flood Control Acts of 22 June 1936, 28 June 1938 and 18 August 1941

LOCATION AND DESCRIPTION: This 53 mile long flood risk management project is located on the Tombigbee River and its tributaries between the junction of Browns and Mackey's Creeks in Itawamba County, Mississippi to the Monroe County line. This project provides for maintenance of the channel to ensure flood risk management benefits for Itawamba County, conveys water to meet requirements of the US Fish and Wildlife Service for protection of endangered mussels, and ensures the ability to provide water supply for the City of Tupelo, averaging 10 million gallons per day.

ALLOCATION FOR FY 2014: \$252,450

BUDGETED AMOUNT FOR FY 2015: M: \$238,000 O: \$47,000 T: \$285,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$285,000 will be used to maintain the East Fork flood risk management project.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project includes overhead clearing and general debris removal from the East Fork of the Tombigbee River and Mackey's Creek in Itawamba County, Mississippi. The clearing and debris removal efforts result in benefits related to flood prevention, municipal water supply and environmental stewardship.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this study is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

East Fork, Tombigbee River, MS

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Gulfport Harbor, MS

AUTHORIZATION: The existing project was authorized by the River and Harbor Act of 1930 and modified by the River and Harbor Acts of 1948 and 1958, Supplemental Appropriations Act 1985 and Section 202 of WRDA 1986.

LOCATION AND DESCRIPTION: The navigation project is located in Gulfport, Mississippi, approximately equidistant between New Orleans, Louisiana and Mobile, Alabama. The project consists of a 38 x 400 feet Bar Channel from the Gulf of Mexico across Ship Island Bar into Mississippi Sound, a 36 x 300 feet Sound Channel leading to the Anchorage Basin proper, and an 8 x 100 feet Branch Channel leading to an adjacent small craft harbor. The project supports major import/exports of poultry products, fruit, wood products, metals and minerals for manufacturing processes.

ALLOCATION FOR FY 2014: \$3,969,180

BUDGETED AMOUNT FOR FY 2015: M: \$5,050,000 O: \$0 T \$5,050,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,050,000 will be used for partial maintenance dredging.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project was widened to full authorized dimensions in FY 2010. The port has a major expansion in the planning phases.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this study is \$86 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Okatibbee Lake, MS

AUTHORIZATION: Flood Control Act of 23 October 1962 (H. Doc 549)

LOCATION AND DESCRIPTION: Okatibbee Lake is located seven miles northwest of Meridian, Mississippi, at mile 37.7 on the Okatibbee Creek. The project includes a dam, a flood risk management reservoir and several recreation areas.

ALLOCATION FOR FY 2014: \$1,678,500

BUDGETED AMOUNT FOR FY 2015: M: \$507,000 O: \$1,311,000 T: \$1,818,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$997,000 will be used for operation of Okatibbee dam, reservoir, buildings, grounds, utilities, roads, bridges and other facilities and equipment. Funds will also be used for erosion control around the reservoir.

RC: \$599,000 will be used for operation and maintenance of recreational facilities including campgrounds, day use areas, and fishing areas.

H: N/A

EN: \$214,000 will be used for wildlife and forestry maintenance and the initiation of a master plan.

WS: \$8,000 will be used for water supply contract management activities.

OTHER INFORMATION: Okatibbee Lake Project provides flood damage reduction for areas in Lauderdale/Clark Counties to include the Cities of Meridian and Enterprise, Mississippi.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$17 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pascagoula Harbor, MS

AUTHORIZATION: River and Harbor Act 1913, 1915, 1952, 1954, 1958, 1960, 1962 and the Water Resources Development Act of 1986

LOCATION AND DESCRIPTION: The Pascagoula Harbor navigation project is located in Jackson County, MS. The project provides for a 44 x 600 foot channel from the Gulf of Mexico across Ship Island Bar and into Mississippi Sound, a 42 x 350 foot channel in the Sound transitioning to 2 main channels, a 42 x 350 foot channel leading to Bayou Casotte and a 38 x 350 foot channel leading to the Pascagoula River.

ALLOCATION FOR FY 2014: \$9,221,060

BUDGETED AMOUNT FOR FY 2015: M: \$7,210,000 O: \$530,000 T: \$7,740,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,740,000 will be used for maintenance dredging, surveys, and water quality and endangered species coordination. These funds are necessary to maintain and reestablish project depths that have decreased due to shoaling. This will improve navigation performance by increasing the availability of channel to project depth, thereby eliminating the need for light loading or delays awaiting tides to access a high use port.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project supports a major Gulf refinery (Chevron) and a liquefied natural gas (LNG) plant and numerous major shipbuilding industries. Project costs have escalated in recent years due to increased dredging costs.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$105 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: South Atlantic

District: Mobile

Pascagoula Harbor, MS

NORTH CAROLINA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Atlantic Intracoastal Waterway, NC

AUTHORIZATION: River and Harbor Acts of 1912, 1927, and 1937, as amended

LOCATION AND DESCRIPTION: The project is located on the east coast of North Carolina and runs from the Commonwealth of Virginia line to Little River, SC, a distance of 308 statute miles. The authorized project provides for a waterway 12 feet deep, with widths varying from 90 feet in land cuts to 300 feet in open waters. The project also includes numerous side channels with varying project dimensions.

ALLOCATION FOR FY 2014: \$1,664,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,000,000 O: \$600,000 T: \$2,600,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,600,000 provides for hydrographic condition surveys, environmental monitoring and maintenance dredging within the high commercial use segment of the Atlantic Intracoastal Waterway (AIWW) in support of the Port of Morehead City (Newport River to the Commonwealth of Virginia line).

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Results of the January 2007 AIWW Report to the NC Sea Grant, NC Department of Environment and Natural Resources and NC Beach, Inlet and Waterway Association indicates that the project contributes to the state-wide economic output by at least \$109,000,000 per year; provides about 1,700 jobs per year with wages and salaries of about \$52,000,000 per year. The project also supports the following users: U.S. Coast Guard search and rescue operations, U.S. Marine Corps and U.S. Naval riverine training operations, barge traffic supporting intermodal transportation to deep draft ports, military equipment and supply transportation barges and vessels, commercial and recreational vessels, National Oceanic and Atmospheric Administration vessels, and U.S. Army Corps of Engineers vessels. This waterway supports the North Carolina State Ports Authority (bulk-cargo ships) and NUCOR Steel and PCS Phosphate shipments through Morehead City Harbor, NC. This portion of the channel is classified as high use and represents 50 percent of the AIWW within the state of North Carolina.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$788 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Atlantic Intracoastal Waterway, NC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: B. Everett Jordan Dam and Lake, NC

AUTHORIZATION: Flood Control Act of 1965

LOCATION AND DESCRIPTION: The project is located on the Haw River, in central North Carolina, 4.3 miles above its mouth, and 2.5 miles north of Moncure, NC and provides flood risk management, recreation and other purposes to the public. The project includes an earth dam 1,330 feet long with a maximum height of 112 feet above the streambed; an uncontrolled, unpaved chute spillway; a controlled 19-foot diameter outlet structure; and saddle dikes just beyond the spillway. The reservoir is operated as a unit of a coordinated system for flood risk management in the Cape Fear River basin.

ALLOCATION FOR FY 2014: \$1,630,530

BUDGETED AMOUNT FOR FY 2015: M: \$119,000 O: \$1,737,000 T: \$1,856,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,227,000 provides for critical routine annual operation of dam and associated structures, project administration, vehicles, floating plant, heavy equipment rental, water control management, and yard support and supplies. Also provides for critical routine annual maintenance of dam and structures, required maintenance of intake control tower, electric and hydraulic systems, instrumentation, pumps and motors, and shop and maintenance area.

RC: \$370,000 provides for operation and maintenance of existing recreation facilities to maintain minimum level of service to the visiting public.

RC-SUS15: \$10,000 provides for removal and replacement of approximately 30 fluorescent lights with LED bulbs at 4 project buildings including two public restrooms and the visitor assistance center, resulting in an estimated 50% reduction in energy costs. 2/

H: N/A

EN: \$251,000 provides for compliance with natural resource mandates, in accordance with the project's operations management plan.

WS: \$8,000 provides for coordination with North Carolina officials on water supply withdrawals and processing of water supply related revenues and billings.

OTHER INFORMATION: A non-Federal hydropower generating facility is currently operating at this project. Since the inception of the project in 1983 the cumulative total of flood damages reduced is about \$289,002,300. In Fiscal Year 2012, the annual visitation to the project was about 1,018,000 visitors.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$25 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

B. Everett Jordan Dam and Lake, NC

O&M Justification Sheet

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cape Fear River above Wilmington, NC

AUTHORIZATION: River and Harbor Acts of 1910, 1934, 1935, 1937, 1965; and Section 4, Flood Control Act of 1944

LOCATION AND DESCRIPTION: The Cape Fear River above Wilmington project is located in Bladen County in southeastern North Carolina and consists of three federally built and maintained locks and dams. Two of the locks and dams were constructed between 1915 and 1917, while the third was completed in 1935. Today, these locks and dams are in poor structural condition. The locks and dams were constructed to provide a navigable channel for commercial barges from Wilmington to Fayetteville, NC, a distance of about 111 river miles. This project currently has only minor commercial navigation traffic. The dams also provide "impoundments of convenience" for water intakes for upstream communities and businesses. The grounds at Lock & Dam #2 are being utilized on a quarterly basis by the U.S. Military. The U.S. Navy and the special forces of the U.S. Army utilize the locks and surrounding infrastructure as unique training opportunities.

ALLOCATION FOR FY 2014: \$495,150

BUDGETED AMOUNT FOR FY 2015: M: \$45,000 O: \$438,000 T: \$483,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$313,000 provides for caretaker status activities including required anadromous fish lockages and related activities to ensure lock operation, periodic inspections, data gathering and critical maintenance at all three locks.

FRM: N/A

RC: \$170,000 provides for operation and maintenance of existing recreation facilities to maintain a minimum level of service to the visiting public.

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: An Initial Appraisal report, conducted under the authority of Section 216 of the Flood Control Act of 1970, was approved on 2 July 2009. Subsequent detailed studies under this authority would determine if modifications to this project were advisable due to significantly changed physical or economic conditions. Locks No. 1 and 2 are currently rated as Dam Safety Action Classification II structures. Also, a fish passage structure was completed in November 2012 at Lock No.1 as an approved mitigation measure for deepening the Wilmington Harbor 96 Act Navigation channel project.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$10 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Cape Fear River above Wilmington, NC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Falls Lake, NC

AUTHORIZATION: Flood Control Act of 1965

LOCATION AND DESCRIPTION: The project is located on the Neuse River about 10 miles north of Raleigh, NC and provides flood risk management, water supply, recreation and other purposes to the public. The project includes an earth dam which is 1,915 feet long with a maximum height of 95 feet above the streambed; an uncontrolled chute spillway 100 feet wide located in the east abutment, and a controlled 17.4-foot diameter outlet structure. This project is operated as part of a coordinated system for flood risk management in the Neuse River basin.

ALLOCATION FOR FY 2014: \$1,749,330

BUDGETED AMOUNT FOR FY 2015: M: \$112,000 O: \$1,797,000 T: \$1,909,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,220,000 provides for critical routine annual operation of dam and associated structures, project administration, vehicles, floating plant, heavy equipment rental, periodic assessment, water control management, and yard support and supplies. Also provides for critical routine annual maintenance of dam and structures, required maintenance of intake control tower, electric and hydraulic systems, instrumentation, pumps and motors, and shop and maintenance area.

RC: \$402,000 provides for operation and maintenance of existing recreation facilities to maintain minimum level of service to the visiting public.

RC-SUS15: \$10,000 provides for removal and replacement of approximately 45 fluorescent lights with LED bulbs at 4 project buildings including two public restrooms and the visitor assistance center, resulting in an estimated 50% reduction in energy costs. 2/

H: N/A

EN: \$279,000 provides for compliance with natural resource mandates, in accordance with the project's operations management plan.

WS: \$8,000 provides for coordination with the City of Raleigh and processing of water supply related revenues and billings.

OTHER INFORMATION: Dam is currently rated as a Dam Safety Action Classification III structure. The City of Raleigh has requested that the project's pool storage allocations be studied to determine if additional capacity could be allocated for the purpose of water supply and is willing to provide funding for the reallocation analysis. Flood damages reduced during Fiscal Year 2012 were about \$344,000 for a cumulative total of about \$612,893,600 since the inception of the project in 1983. In Fiscal Year 2012, the annual visitation to the project was about 1,745,000 visitors.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$103 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Falls Lake, NC

O&M Justification Sheet

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Manteo (Shallowbag) Bay, NC

AUTHORIZATION: River and Harbor Acts of 1910, 1940, 1950 and 1970; and Section 107 of the 1960 River and Harbor Act, as amended

LOCATION AND DESCRIPTION: The project is located along the outer banks portion of Dare County, North Carolina, between Oregon Inlet, Roanoke Island and Albemarle Sound. The project provides for a channel 14 feet deep and 400 feet wide from the Atlantic Ocean through Oregon Inlet with channels 12 feet deep by 100 feet wide to Pamlico Sound, Wanchese Harbor, Shallowbag Bay Harbor and a channel 10 feet deep by 100 feet wide to Albemarle Sound. Length of all channels within the Manteo (Shallowbag) Bay project is approximately 25 miles.

ALLOCATION FOR FY 2014: \$1,308,000

BUDGETED AMOUNT FOR FY 2015: M: \$250,000 O: \$550,000 T: \$800,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$800,000 provides for very minimal critical channel maintenance dredging of Oregon Inlet to maintain this critical harbor of refuge and related hydrographic surveying.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Council on Environmental Quality (CEQ), the National Oceanic and Atmospheric Administration (NOAA), and the Corps agreed in May 2003 that the proposed jetties on the Oregon Inlet portion of the project would not be constructed and that the channels would be maintained by dredging alone, along with extensive hydrographic surveys providing up-to-date navigation information. Maintenance dredging is essential to support the large commercial fishing fleet (\$12,000,000+ value of seafood landings at dockside) traversing to and from Wanchese, NC and the ~600,000 charter and recreational fishing passenger trips. The U.S. Coast Guard utilizes this portion of the project to access the Oregon Inlet Coast Guard Station in support of search and rescue (over 1,200 missions through Oregon Inlet since 2001) and homeland security. This project provides access to designated harbors of refuge, which is essential during adverse weather conditions since the nearest coastal inlets are Ocracoke Inlet 90 miles to the south and Norfolk, VA 65 miles to the north. The FY 2015 budget does not include channel maintenance dredging of the portions of the project from Old House Channel to Pamlico Sound and Manteo-Oregon inlet basin at Wanchese.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$239 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Manteo (Shallowbag) Bay, NC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Masonboro Inlet and Connecting Channels (CC), NC

AUTHORIZATION: River and Harbor Act of 1912, as amended; Section 111, River and Harbor Act of 1968

LOCATION AND DESCRIPTION: The project is located on the southeastern coast of North Carolina in New Hanover County. The authorized project consists of a 14 feet deep by 400 feet wide channel across the ocean bar at Masonboro Inlet, with north and south jetties at the entrance, transitioning to 12 feet deep and 90 feet wide to the Atlantic Intracoastal Waterway at Wrightsville Beach by way of Banks and Motte Channels; a turning basin, 15 feet deep, 300 feet wide, and 700 feet long on the east side of Banks Channel near Masonboro Inlet; and three 15-pile dolphins.

ALLOCATION FOR FY 2014: \$148,500

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$50,000 T: \$50,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$50,000 provides for limited hydrographic condition surveys for this critical harbor of refuge project.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project supports the following users: commercial fishing vessels, recreational vessels and the U.S. Coast Guard. The U.S. Coast Guard utilizes this project to perform search and rescue and homeland security missions. This inlet is a critical harbor of refuge providing access during severely adverse weather conditions as it is the only jettied inlet in NC. The FY 2015 budget amount does not include maintenance dredging of Masonboro Inlet and the connecting channels.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Masonboro Inlet & CC, NC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Morehead City Harbor, NC

AUTHORIZATION: River and Harbor Acts of 1958 and 1970, and Section 101 of the Water Resources Development Act of 1992

LOCATION AND DESCRIPTION: The Morehead City Harbor project consists of approximately 5 miles of channels, which extend from the deep water in the Atlantic Ocean to the North Carolina State Port at Morehead City, in Carteret County, midway along the North Carolina coastline approximately 10 miles northwest of Cape Lookout. The project consists of a 47-foot deep by 450-foot wide entrance channel from the deep water in the Atlantic Ocean to the Beaufort Inlet Gorge; a channel 45 feet deep by 400 to 600 feet wide from the gorge of Beaufort Inlet to the east facing berthing facilities of the North Carolina State Ports; and a channel and basin 35 feet deep with varying widths to the south and west facing berthing facilities.

ALLOCATION FOR FY 2014: \$6,131,430

BUDGETED AMOUNT FOR FY 2015: M: \$4,255,000 O: \$600,000 T: \$4,855,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,855,000 provides for project operations, monthly hydrographic surveying and maintenance dredging of the outer ocean bar portion of this critical harbor of refuge. This will improve navigation performance by increasing the availability of this channel to transiting vessels thereby reducing the need for light loading or delays awaiting tides to access a moderate use strategic terminal.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Morehead City Harbor is a deep draft navigation project with 3,500,000 commercial tonnage valued at \$925,000,000 annually. This project is a designated strategic fast-strike military port for launching forces and transporting equipment and munitions. The port provides military support for both the Camp LeJeune (Marine Corps) and the U.S. Coast Guard vessels which access the Coast Guard base at Ft. Macon. This port supports the North Carolina State Ports Authority (bulk-cargo ships) and NUCOR Steel and PCS Phosphate through connecting channels of the Atlantic Intracoastal Waterway.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$4,307 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Morehead City Harbor, NC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Rollinson Channel, NC

AUTHORIZATION: River and Harbor Act of 1935

LOCATION AND DESCRIPTION: The Rollinson Channel project is located in Dare County just inside Hatteras Inlet, NC. The project provides a 12-foot channel from Pamlico Sound to Hatteras Island and a 10-foot deep channel from Hatteras Island to Hatteras Inlet, both with 100-foot channel widths. This project is used by the North Carolina State Ferry System for ferry transportation to Ocracoke Island, which includes a subsistence harbor with no land-based connection. Ocracoke Island relies on ferry transportation for subsistence supplies.

ALLOCATION FOR FY 2014: \$697,000

BUDGETED AMOUNT FOR FY 2015: M: \$400,000 O: \$150,000 T: \$550,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$550,000 provides for project operations, hydrographic surveying and minimal maintenance dredging of the sending terminal for Ocracoke Island ferry. The channel provides access to a subsistence harbor at Ocracoke.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project supports the following users: North Carolina State Ferry System, commercial fishing vessels and recreational vessels; and the U.S. Coast Guard. The U.S. Coast Guard utilizes this project to perform search and rescue and homeland security missions. Minimal maintenance dredging of this subsistence channel will be performed during the fiscal year.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$8 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Rollinson Channel, NC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Silver Lake Harbor, NC

AUTHORIZATION: Rivers and Harbor Act of 1930

LOCATION AND DESCRIPTION: The Silver Lake Harbor project is located in Hyde County just inside of Ocracoke Inlet, NC. The project provides a 12-foot channel from deep water in Pamlico Sound to, and including, an anchorage basin of the same depth in Silver Lake Harbor at Ocracoke, with widths of 150 feet across the Big Foot Slough bar and 60 feet in the entrance channel. Silver Lake Harbor is classified as a subsistence harbor, where supplies and personnel can only be delivered to the island via ferry (i.e. there is no bridge or roadway access).

ALLOCATION FOR FY 2014: \$697,000

BUDGETED AMOUNT FOR FY 2015: M: \$150,000 O: \$150,000 T: \$300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$300,000 provides for project operations, hydrographic surveying and critical maintenance dredging within the Silver Lake Harbor channel.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project supports the following users: North Carolina Ferry System, commercial fishing vessels and recreational vessels, and the U.S. Coast Guard. The U.S. Coast Guard utilizes this project to perform search and rescue and homeland security missions.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$121 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Silver Lake Harbor, NC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: W. Kerr Scott Dam and Reservoir, NC

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: The project is located on the Yadkin River about 6 miles upstream from Wilkesboro, NC and provides flood risk management, recreation, fish and wildlife conservation, water supply and other benefits to the public. The project includes a rolled earth-fill dam over 1,700 feet long with a maximum height of 148 feet above the streambed and a controlled 12.3-foot diameter outlet structure. An emergency spillway is located near the north abutment of the dam in a rock cut.

ALLOCATION FOR FY 2014: \$3,403,280

BUDGETED AMOUNT FOR FY 2015: M: \$739,000 O: \$2,554,000 T: \$3,293,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,224,000 provides for critical routine annual operation of dam and associated structures, project administration, vehicles, floating plant, heavy equipment rental, water control management, and yard support and supplies. Also provides for critical routine annual maintenance of dam and structures, required maintenance of intake control tower, electric and hydraulic system, instrumentation, pumps and motors, and shop and maintenance area.

RC: \$1,900,000 provides for operation and maintenance of existing recreation facilities to maintain minimum level of service to the visiting public.

RC-SUS15: \$76,000 provides for removal and replacement of existing roofs from the maintenance garage, office and canteen (all climate controlled) with 29 gage metal roofs coated with Kynar 500 reflective paint. Also includes the retrofitting and coating of a 29 gauge reflective metal roof at the visitor assistance center with a Kynar 500 fluorosurfactant free paint. These actions will make all modified buildings more energy efficient. 2/

H: N/A

EN: \$161,000 provides for compliance with natural resource mandates, in accordance with the project's operations management plan and administration of the project's shoreline management plan.

WS: \$8,000 provides for coordination with Wilkes County and the city of Winston-Salem officials on water supply withdrawals and processing of water supply related revenues and billings.

OTHER INFORMATION: A non-Federal hydropower structure add-on license has been issued and the Corps is working with licensee on reviewing the preliminary plan. Wilkes County, one of the primary water supply customers, is continuing to pursue construction of a reservoir intake structure. An environmental assessment was completed with a finding of no significant impact. A real estate easement has been issued and Wilkes County continues to pursue local funding to move forward with construction. Flood damages reduced during Fiscal Year 2012 were about \$839,900 for a cumulative total of about \$208,995,800 since the inception of the project in 1962.

Division: South Atlantic

District: Wilmington

W. Kerr Scott Dam & Reservoir, NC

O&M Justification Sheet

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$114 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wilmington Harbor, NC

AUTHORIZATION: River and Harbor Acts of 1930, 1945, 1950, 1962, 1964; Section 107 of the River and Harbor Act of 1960; WRDA 1986 and WRDA 1996

LOCATION AND DESCRIPTION: The project is located on the southeastern coast of North Carolina in Brunswick and New Hanover Counties and provides for a channel 44 feet deep through the Ocean Bar and 42 feet deep to 800 feet south of the Cape Fear Memorial Bridge in downtown Wilmington. Upstream of this point, the project is 38 feet deep to the Highway 133 bridge; 32 feet deep to the Hilton Railroad Bridge over the Northeast Cape Fear River; and 25 feet deep from the Hilton Railroad Bridge to a point 1-2/3 miles above. The project also includes a northwestward connecting channel, 12 feet deep, from the Atlantic Intracoastal Waterway at Snow's Cut to the main river channel.

ALLOCATION FOR FY 2014: \$18,514,970

BUDGETED AMOUNT FOR FY 2015: M: \$13,127,000 O: \$1,000,000 T: \$14,127,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$14,127,000 provides the following operation and maintenance activities: perform Anchorage Basin maintenance dredging with upland disposal to Eagle Island; perform critical Outer Ocean Bar and the Inner Ocean Bar (up to 80% channel availability) maintenance dredging with disposal to the adjacent shoreline; conduct project condition surveys; debris removal; mosquito control. This will improve navigation performance by increasing the availability of the channel, thereby reducing the need for light loading or delays awaiting tides to access a moderate use, strategic terminal.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Waterborne commerce on the existing Wilmington Harbor project was 7.6, 7.1, 8.0 and 7.7 million tons, respectively, for the period 2008-2011. This tonnage does not include the tonnage moved in and out of the Military Ocean Terminal – Sunny Point (MOTSU) and is a correction to previous submitted documents. The Port of Wilmington handled 250,048 loaded containers in 2010, 290,666 in 2011, 276,567 in 2012, and 268,049 in 2013. Project users include the Transportation Command, MOTSU; North Carolina State Ports Authority; multiple tanker terminals; and the U.S. Coast Guard Cutter, DILIGENCE.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,149 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Wilmington Harbor, NC

PUERTO RICO

O&M Justification Sheet

APPROPRIATION TITLE: Operation & Maintenance

PROJECT NAME: San Juan Harbor, PR

AUTHORIZATION: Water Resources Development Act of 1986, PL 99-662, sec 202(a); The project for navigation, San Juan Harbor, Puerto Rico: Report of the Chief of Engineers, dated December 23, 1982 and Water Resources Development Act of 1996, Sec. 301, PL 104-303.

LOCATION AND DESCRIPTION: San Juan Harbor is located within the San Juan metropolitan area along the north coast of Puerto Rico. It is the island's principal port, handling over 75 percent of the Commonwealth's non-petroleum waterborne commerce and is the only harbor on the north coast affording protection in all types of weather. Over 13 million tons of waterborne commerce now moves through the harbor annually.

ALLOCATION FOR FY2014: \$0

BUDGETED AMOUNT FOR FY2015: M: \$800,000 O: \$0 T: \$800,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$800,000 provides condition surveys for channel and ocean dredged material disposal site, United States Coast Guard/Sponsor coordination, and permit required monitoring.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY2013 into FY2014 for this project is \$240 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform the work as follows: N/A

SOUTH CAROLINA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Atlantic Intracoastal Waterway (AIWW), SC

AUTHORIZATION: River and Harbor Act of 1945, P.L. 14.

LOCATION AND DESCRIPTION: The AIWW, a naturally protected navigation route that generally parallels the Atlantic coast between Norfolk, VA, and the St. John's River in Florida, was constructed in the early 1940's. South Carolina's portion runs a distance of 210 miles and has an authorized depth of 12 feet. Charleston District maintains approximately 90 small to medium-sized disposal areas along the AIWW totaling 2,399 acres. The AIWW is divided into three reaches in South Carolina and the best return on investment is dredging one reach each year.

ALLOCATION FOR FY 2014: \$0

BUDGETED AMOUNT FOR FY 2015: M: \$500,000 O: \$0 T: \$500,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$500,000 provides for condition surveys of the channel, real estate needs to resolve encroachments, permit review, and mosquito abatement in the disposal areas. These funds would ensure safe movement of vessels by allowing us to perform surveys in order to report condition of channels to using traffic. Since dredging within the AIWW has not been performed in four years, condition surveys are of the utmost importance for users of the AIWW. These funds would improve navigation performance by allowing us to reduce encroachments and maintain the boundary line at disposal areas, thereby maintaining the capacity of disposal areas, allowing them to be available when dredging operations are required.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Currently, the AIWW cannot directly support the armed forces of the nation through periodic military cargo transfers to include sonar domes, generators, and other equipment between Norfolk, Virginia and Kings Bay, GA because of shoaling. Additionally, approximately 10,000 barrels of jet fuel are delivered on a weekly basis from Jacksonville, FL to the Marine Corps Air Station in Beaufort, SC.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$6 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

Division: South Atlantic

District: Charleston

AIWW, SC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Charleston Harbor, SC

AUTHORIZATION: Multiple River and Harbor Acts, WRDA 96, P.L. 104-303 Section 101 (latest)

LOCATION AND DESCRIPTION: Charleston Harbor is located about midway along South Carolina's Atlantic coastline. This project consists of maintenance of 38.6 miles of channel, three turning basins, and one anchorage basin. The lower harbor requires dredging every year, entrance channel every other year, and the upper harbor approximately every 16 - 18 months. The material removed from the upper harbor is placed in the Clouter Creek Disposal Area, which is approximately 1,475 acres in size.

ALLOCATION FOR FY 2014: \$14,676,750

BUDGETED AMOUNT FOR FY 2015: M:\$12,635,000 O: \$514,000 T: \$13,149,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$13,149,000 provides for dredging of the upper and lower harbor, disposal area maintenance, condition surveys of the channel, real estate needs to resolve encroachments, and environmental activities. These funds are necessary to maintain and reestablish project depths that have decreased due to shoaling. This will improve navigation performance by increasing the availability of channel to project depth, thereby eliminating the need for light loading or delays awaiting tides to access a high use, strategic terminal. These funds would ensure adequate disposal area capacity is available to contain the material dredged from the channels in the coming years.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Latest commercial tonnage as reported by the Waterborne Commerce Statistics Center for Fiscal Year 2012 was 18.8 million tons of cargo. The major commodity imported and exported is manufactured equipment and machinery. Per United States Department of Commerce/Bureau of the Census, the 2012 value of waterborne commerce through Charleston was \$62.7 billion. Charleston Harbor is listed as one of 17 US strategic ports because of the presence of the Naval Weapons Station, Military Surface Deployment and Distribution Command, Defense Energy Support Center and Army Strategic Logistics Activity Charleston. The harbor generates \$45.0 billion annually for the regional economy.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$263 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the study as follows: NA

Division: South Atlantic

District: Charleston

Charleston Harbor, SC

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cooper River, Charleston Harbor, SC

AUTHORIZATION: Section 101 of the River and Harbor Act of 1968 (P.L. 90-483), modified in the Energy and Water Development Appropriations Act, 1992 (P.L. 102-104) and further modified by Section 353, WRDA 99

LOCATION AND DESCRIPTION: The project is located in Charleston and Berkeley Counties. All improvements are in Berkeley County about 45 miles from Charleston. The project includes operation and maintenance of the powerhouse and associated structures and facilities in accordance with our agreement with the South Carolina Public Service Authority (SCPSA). The purpose of the redirection project was to reduce shoaling in Charleston Harbor. Also included in the project authorization was the design and construction of a fish lift as a mitigation feature intended to maintain the number of blueback herring entering the Santee-Cooper Lakes.

ALLOCATION FOR FY 2014: \$9,112,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,680,000 O: \$4,250,000 T: \$5,930,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,930,000 provides for operation of the powerhouse, natural resource management, condition and operation studies/activities, water quality control, powerhouse maintenance, and maintenance of non-recreation building, grounds and utilities. These funds would improve navigation performance by decreasing shoaling in Charleston Harbor, which is downstream of the project.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project is an extension of the Charleston Harbor project. The project was authorized, constructed, and is operated with one purpose - the reduction of siltation in Charleston Harbor. Prior to redirection, costs for the O&M of Charleston Harbor were threatening the continued viability of the port. That purpose can only be satisfied with the continued operations of the project. Charleston Harbor is listed as one of 17 US strategic ports and the harbor generates \$45.0 billion annually for the regional economy. Latest commercial tonnage as reported by the Waterborne Commerce Statistics Center for Fiscal Year 2012 was 18.8 million tons of cargo. Per United States Department of Commerce/Bureau of the Census, the 2012 value of waterborne commerce through Charleston was \$62.7 billion.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$44 (x1000). As of the date this justification sheet was prepared, the total estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: NA

Division: South Atlantic

District: Charleston

Cooper River, Charleston Harbor, SC

VIRGINIA

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: John H. Kerr Lake, VA & NC

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located on the Roanoke River, about 180 river miles above its mouth, in Mecklenburg County, VA and Vance County, NC and provides flood risk management, recreation, hydropower, water supply and fish and wildlife conservation. The project includes a concrete gravity dam with wing and saddle dikes on the right and left banks, with a total length of over 4 miles. The reservoir is operated as a unit of a coordinated system of reservoirs in the Roanoke River basin. The project has an installed hydroelectric generating capacity of 268,000 kilowatts.

ALLOCATION FOR FY 2014: \$10,786,050

BUDGETED AMOUNT FOR FY 2015: M: \$4,407,000 O: \$6,278,000 T: \$10,685,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,726,000 provides for critical routine maintenance of water management in conformance to water control plans, dam safety activities, critical routine operations of the dam, Island Creek Dam, and wing dike operations within the reservoir, project maintenance, surveillance of wing dikes and piezometer monitoring, rip-rap maintenance, annual maintenance of the structure, and equipment and facilities associated with the storage and release of water.

RC: \$2,409,000 provides for operation and maintenance of existing recreation facilities.

RC-SUS15: \$125,000 provides upgrade of station service electrical lines from the powerhouse to the North Bend Park area. These lines transmit power produced by two small generators to the visitor assistance center, volunteer facilities and maintenance facilities. Upgrade will include the poles, transmission lines, cross arms, connectors, and wiring. These electrical lines have been in service for 60 years and have a high probability of failure resulting in power outages, extensive down time and the critical loss of the sewage system for the entire park. 2/

H: \$5,479,000 provides critical routine operations and maintenance to limit forced outages and maximize peak unit availability, to ensure compliance with the North American Electric Reliability Corporation reliability standards, and provides testing activities and equipment and documentation support.

EN: \$1,051,000 provides for operation, management, and conservation of natural resources through advance natural resource management programs and shoreline management.

WS: \$20,000 provides for coordination with NC and VA officials on water supply withdrawals and processing of water supply related revenues and billings.

OTHER INFORMATION: Island Creek Dam and pumping station is part of this project and is rated as a Dam Safety Action Classification III structure. Occurrences of observed seepage at the Island Creek Dam have resulted in implementation of interim measures to minimize the impacts to this structure. Interim measures have also been taken on the failing toe drain system along the right wing dike of Kerr Dam. A more permanent measure is under evaluation for both structures. Flood damages reduced during Fiscal Year 2012 were about \$634,800 for a cumulative total of about \$441,106,800.

Division: South Atlantic

District: Wilmington

John H. Kerr Lake, VA & NC

O&M Justification Sheet

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$447 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

O&M Justification Sheet

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Philpott Lake, VA

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located on the Smith River about 45 miles above its junction with the Dan River in Franklin and Henry Counties, VA and provides flood risk management, recreation, hydropower and other benefits to the public. The project includes a concrete gravity dam about 900 feet long with a maximum height of 220 feet above the streambed. The reservoir is operated as a unit of a coordinated system of reservoirs in the Roanoke River basin. The project has an installed hydroelectric generating capacity of 14,000 kilowatts.

ALLOCATION FOR FY 2014: \$5,278,100

BUDGETED AMOUNT FOR FY 2015: M: \$3,469,000 O: \$2,973,000 T: \$6,442,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$976,000 provides for critical routine operations and maintenance for water management, dam safety activities, and equipment and facilities associated with storage and release of water.

RC: \$1,454,000 provides for operation and maintenance of existing recreation facilities to maintain minimum level of service to the visiting public.

H: \$3,814,000 provides for critical operations and maintenance to maximize peak unit availability while limiting forced outages to ensure compliance with the North American Electric Reliability Corporation reliability standards.

EN: \$198,000 provides for operation, management and conservation of existing vegetation, forests, fish and wildlife and shoreline management.

WS: N/A

OTHER INFORMATION: Dam is currently rated as a Dam Safety Classification III structure. Flood damages reduced during Fiscal Year 2012 were about \$1,820,000 for a cumulative total of about \$736,688,000 since the inception of the project in 1952. In Fiscal Year 2012, the annual visitation to the project was about 740,600 visitors.

1/ Unobligated Carry-In Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$420 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into FY 2015 from prior appropriations for use on this project effort is \$0. This amount will be used to perform work on the project as follows: NA.

Division: South Atlantic

District: Wilmington

Philpott Lake, VA

South Pacific Division

24 March 2014

Operation and Maintenance

Key to Abbreviations:

N=Navigation

FRM=Flood Risk Management

RC=Recreation

H=Hydropower

EN=Environmental Stewardship

WS=Water Supply

Arizona

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Alamo Lake, Arizona

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located 25 miles north of Wenden, AZ and 120 miles northwest of Phoenix, AZ, and consists of an earth-fill dam, outlet works, spillway, service roads, reservoir, and a recreation area.

ALLOCATION FOR FY 2014: \$1,091,970

BUDGETED AMOUNT FOR FY 2015: M: \$1,533,000 O: \$326,000 T: \$ 1,859,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,692,000 will be used for operation and maintenance of dam and appurtenant structures, facilities, and dam operator compounds.

RC: \$50,000 will be used for oversight of out-granted recreation areas located within the Alamo Dam flood control basin.

H: N/A

ES: \$117,000 will be used for ESA consultation with US Fish and Wildlife Service and other agency stakeholders on Alamo Dam and Bill Williams River for 3 listed species (eagle, willow flycatcher, and razorback sucker) as well as update of the 40 year old project master plan.

WS: N/A

OTHER INFORMATION: Damages prevented through FY 2013 total \$52,330,000. Visitation for FY 2012 was 45,860.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$21,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Painted Rock Dam, Arizona

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: The project is located about 20 miles NW of Gila Bend, AZ and 120 miles SW of Phoenix, AZ; consists of an earth-fill dam, saddle dike, outlet works, spillway, pilot channel reservoir, and one recreation area. The recreation area has been closed by the State of Arizona due to contaminated water.

ALLOCATION FOR FY 2014: \$897,930

BUDGETED AMOUNT FOR FY 2015: M: \$803,000 O: \$477,000 T: \$1,280,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,228,000 will be used for operation of the dam, service facilities and grounds, reservoir operations, provide hydrographic instrumentation as well as maintenance of the dam and appurtenant structures.

RC: N/A

H: N/A

ES: \$52,000 will be used for coordination with Local, State and Federal agencies on degradation of natural resources and listed species (Gila monster), and stewardship of cultural resources.

WS: N/A

OTHER INFORMATION: Damages prevented through FY 2013 total \$839,133.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$21,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Whitlow Ranch Dam, Arizona

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Located 50 miles southeast of Phoenix, in Pima County, AZ; consists of an earth-fill dam, outlet works, service roads, and reservoir.

ALLOCATION FOR FY 2014: \$315,810

BUDGETED AMOUNT FOR FY 2015: M: \$287,000 O: \$118,000 T: \$405,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$339,000 will be used for operation and maintenance of the dam and appurtenant structures, grounds, utilities and service facilities, collection of water management data, and dam safety.

RC: N/A

H: N/A

ES: \$66,000 will be used for coordination with local, State, and Federal agencies and stakeholders on natural resources management and stewardship of cultural resources.

WS: N/A

OTHER INFORMATION: Damages prevented through FY 2013 total \$5,618,000. There are no recreation facilities.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$7,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

California

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Black Butte Lake, California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located on Stony Creek, a tributary of the Sacramento River, about nine miles west of the town of Orland, CA in Glenn and Tehama counties. The project comprises an earth-fill dam, six dikes, spillway, and reservoir.

ALLOCATION FOR FY 2014: \$2,597,760

BUDGETED AMOUNT FOR FY 2015: M: \$312,000 O: \$1,921,000 T: \$2,233,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,362,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: \$763,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$108,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; and protection of historical, archeological, and cultural resources.

WS: N/A

OTHER INFORMATION: The Black Butte Lake Archeological District is comprised of 52 sites eligible for inclusion in the National Register of Historic Places.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$36,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Buchanan Dam, H.V. Eastman Lake, California

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: The project is on the Chowchilla River, about 16 miles northeast of the City of Chowchilla, CA in Madera and Mariposa counties. The project consists of an earth-fill dam and reservoir for flood control, irrigation, recreation, and other purposes. The project also includes about two miles of channel improvement work and levee construction on Ash and Berenda Sloughs, tributary channels of the river.

ALLOCATION FOR FY 2014: \$2,031,480

BUDGETED AMOUNT FOR FY 2015: M: \$338,000 O: \$1,638,000 T: \$1,976,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,126,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, bridge inspection, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: \$657,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$193,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources as well as support for GIS.

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$49,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Sacramento

Buchanan Dam
HV Eastman Lake, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Channel Islands Harbor, CA

AUTHORIZATION: Rivers and Harbors Act of 1954 and Public Law 90-46 (Project name change). Authorization includes use of dredged material to restore and maintain downcoast shoreline due to impacts associated with construction of Port Hueneme.

LOCATION AND DESCRIPTION: Project is in the City of Oxnard in Ventura County, California, 65 miles northwest of Los Angeles. Project consists of an entrance channel, sand trap, two basins (entrance & Inner), an offshore breakwater and two jetties (north and south).

ALLOCATION FOR FY 2014: \$ 4,356,000

BUDGETED AMOUNT FOR FY 2015: M: \$5,249,000 O: \$0 T: \$5,249,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 5,249,000 will be used for maintenance dredging of the entrance channel and sand trap with placement of dredged material on downcoast shorelines, to allow for safe transit by commercial and recreational vessels and to restore downcoast shoreline which are currently severely eroded.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The harbor entrance is in a high wave energy environment and critical routine dredging is required frequently to keep the entrance in a manageable state for safe navigation. The harbor requires biennial maintenance dredging of approx 1.8M cubic yards of material from the entrance channel and sand trap. The harbor is home port to 4 US Coast Guard vessels including an 87' Cutter and 7 Harbor Patrol emergency response vessels including a 32' Rescue/Fireboat which provides fire suppression support for the deep water Port of Hueneme. The harbor is homeport for 35 charter fishing, diving, whale watching boats, and is also used by vessels servicing the offshore oil platforms. Approximately 120,000 vessel passages are made annually. The harbor reported 1,375 tons in commercial fish landings in 2012. The US Navy contributes 19% of dredging costs.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,077,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Coyote Valley Dam, Lake Mendocino, California

AUTHORIZATION: Flood Control Acts of 1902 and 1950, WRDA 1974

LOCATION AND DESCRIPTION: Lake Mendocino is on the Russian River about 5 miles northeast of Ukiah, CA in Mendocino County. The dam is an earth-fill structure with reservoir. The project annually collects over \$300,000 in user fees, which are returned to the Treasury.

ALLOCATION FOR FY 2014: \$3,577,860

BUDGETED AMOUNT FOR FY 2015: M: \$651,000 O: \$2,455,000 T: \$3,106,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,766,000 will be used for routine operation and maintenance for flood risk management; perform water management analysis (control and quality); environmental compliance; and water management of water control data systems. These funds will improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$439,000 for mitigation and biological opinion compliance activities (fish imprinting facility operation) previously budgeted under Environmental Stewardship.

RC: \$1,327,000 will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; real estate management; and environmental compliance.

RC-SUS15: \$10,000 will be used for sustainability, converting existing lawns to xeriscape landscaping. 2/

H: N/A

EN: N/A

WS: \$13,000 will be used for routine operation of the service gates and to accomplish operations and maintenance of authorized water supply mission.

OTHER INFORMATION: Dam Safety Assurance Program: Spillway capacity study and seismic reevaluation are in progress. The fish imprinting facility is operated in conjunction with the fish hatchery at Warm Springs Dam (Dry Creek project). An Investigations New Start has been proposed to evaluate opportunities to comply with the Russian River 2008 Jeopardy Biological Opinion including enhancement of nationally and regionally scarce wetlands and riparian habitat.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$122,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as

Division: South Pacific

District: San Francisco

Coyote Valley Dam,
Lake Mendocino, CA

SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line.
Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dry Creek (Warm Springs) Lake and Channel, California

AUTHORIZATION: Flood Control Act of 1962, WRDA 1974

LOCATION AND DESCRIPTION: This project is part of the tributary of the Russian River about 75 miles north of San Francisco in Sonoma County. It consists of an earth-and-rock fill dam, and reservoir. Total project acreage is 17,000 acres, including an 8,000-acre wildlife management area. Facilities include a private marina, 15 primitive campgrounds, visitor center, Class A 100-site campground, 2 public launch ramps and beach. Annually collects approximately \$150,000 in user fees, which are returned to the Treasury.

ALLOCATION FOR FY 2014: \$6,232,050

BUDGETED AMOUNT FOR FY 2015: M: \$822,000 O: \$4,263,000 T: \$5,085,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$3,332,000 will be used for routine operation and maintenance for flood risk management; perform water management analysis (control and quality); environmental compliance; and water management of water control data systems. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$1,266,000 for mitigation and biological opinion compliance activities (fish hatchery operation) previously budgeted under Environmental Stewardship.

RC: \$1,742,000 will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; real estate management; and environmental compliance.

H: N/A

EN: N/A.

WS: \$11,000 will be used for routine operation of the service gates and to accomplish operations and maintenance of authorized water supply mission.

OTHER INFORMATION: An Investigations New Start has been proposed to evaluate opportunities to comply with the Russian River 2008 Jeopardy Biological Opinion including enhancement of nationally and regionally scarce wetlands and riparian habitat.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$83,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: San Francisco

Dry Creek (Warm Springs Lake
and Channel), CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Farmington Dam, California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located on Littlejohn Creek about 3 miles upstream from Farmington, CA and about 18 miles east of Stockton, CA in San Joaquin and Stanislaus Counties. The project consists of an earth-fill dam, spillway, and reservoir.

ALLOCATION FOR FY 2014: \$485,100

BUDGETED AMOUNT FOR FY 2015: M: \$135,000 O: \$423,000 T: \$558,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$558,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$9,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hidden Dam, Hensley Lake, California

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: The project is located on the Fresno River about 15 miles northeast of Madera, CA in Madera County. The project consists of an earth-fill dam and reservoir.

ALLOCATION FOR FY 2014: \$2,076,030

BUDGETED AMOUNT FOR FY 2015: M: \$391,000 O: \$1,668,000 T: \$2,059,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,301,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: \$695,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$63,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources; as well as support for GIS.

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$44,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Humboldt Harbor and Bay, California

AUTHORIZATION: River and Harbor Acts of 1910, 1930, 1935, 1937, and 1968

LOCATION AND DESCRIPTION: The project is located at Eureka, CA, about 280 miles north of San Francisco. The project includes jetties, Bar and Entrance Channels, and Interior Channels (North Bay, Samoa, Eureka, and Fields Landing). The permanently designated Humboldt Open Ocean Disposal Site is utilized for disposal of all dredged materials. Humboldt Harbor is the only deep draft harbor in California north of San Francisco.

ALLOCATION FOR FY 2014: \$2,826,450

BUDGETED AMOUNT FOR FY 2015: M: \$1,800,000 O: \$0 T: \$1,800,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,800,000 will be used for maintenance dredging of the Bar and Entrance Channels to -48 feet by Corps hopper dredge ESSAYONS. Violent wave actions create extremely hazardous bar conditions. Annual dredging is required to keep the harbor entrance open.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Humboldt Harbor is the only deep draft Harbor of Refuge between San Francisco Bay and Coos Bay, Oregon. Commercial tonnage was 447,000 tons in 2011. California Fish and Wildlife reports over fish landings valued at \$8,650,000 in 2011.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$150,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Isabella Lake, California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located about 50 miles northeast of Bakersfield, CA near the confluence of the north and south forks of the Kern River in Kern County. The project comprises an earth-fill dam, a concrete spillway, an earth-fill auxiliary dam (about 1/2 mile east of the main dam), and a reservoir.

ALLOCATION FOR FY 2014: \$1,269,180

BUDGETED AMOUNT FOR FY 2015: M: \$361,000 O: \$1,199,000 T: \$1,560,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,445,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: N/A

H: N/A

EN: \$115,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species in particular for the Southwest Willow Flycatcher and implementing control measures for the Cow Bird; monitoring and management of invasive species; conservation, restoration, and management of natural resources; and protection of historical, archeological, and cultural resources.

WS: N/A

OTHER INFORMATION: Isabella Lake is considered a DSAC I rated dam due to seismic issues and seepage problems. The project is currently not fully able to provide the benefits for which it was designed and constructed. A Dam Safety Modification Study was conducted and the Record of Decision (ROD) signed in December 2012. The Dam Safety Modification Project is currently in progress with 35% Design Documentation Report and the start of Pre-Construction Engineering and Design phase.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$29,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Sacramento

Isabella Lake, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Los Angeles County Drainage Area (LACDA), CA

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: Project consists of the following:

a. Hansen Dam: Located 4 miles east of the city of San Fernando, CA, dam and appurtenances, and recreation area.

b. Lopez Dam: Located 2 miles northeast of the city of San Fernando, CA, dam and appurtenances.

c. Santa Fe Dam: Located 15 miles northeast of the City of Los Angeles, CA, dam and appurtenances and recreation area.

d. Sepulveda Dam: Located 25 miles northwest of the City of Los Angeles, CA, dam & appurtenances and recreation area.

e. Whittier Narrows Dam: Located 10 miles east of the City of Los Angeles, CA, dam and appurtenances and recreation area.

f. Los Angeles County Drainage Area Channels: Consists of 517 miles of channels, of which 38 miles are maintained by the Corps with the remainder maintained by Los Angeles County Department of Public Works.

ALLOCATION FOR FY 2014: \$6,375,600

BUDGETED AMOUNT FOR FY 2015: M: \$2,881,000 O: \$3,003,000 T: \$5,884,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$5,551,000 will be used for operation and maintenance of 6 flood risk management projects, including dams and appurtenant structures, flood control channels, service facilities, permanent operating equipment, reservoir operations, water control management, asset management, and dam safety.

RC: \$116,000 will be used for oversight of out-granted recreation areas in the 6 LACDA basins, 54 miles of flood control channels and levees.

H: N/A

EN: \$217,000 will be used for consultation and coordination with local, state, and federal agencies as well as other stakeholders for work including critical habitat for listed species as well as updates to the project Master Plans.

WS: N/A

OTHER INFORMATION: Damages prevented through FY 2013 total \$19,220,117,000. In FY 2012 there were 7,209,925 visitors project-wide.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$760,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Los Angeles

Los Angeles County Drainage Area
(LACDA), CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Los Angeles – Long Beach Harbors, California

AUTHORIZATION: River and Harbor Act of 1871 (amended WRDA 1976, 1988, and 1996)

LOCATION AND DESCRIPTION: The project is located in the cities of Los Angeles (LA) and Long Beach (LB), CA. The project serves two independent commercial ports (LA and LB) within San Pedro Bay as well as a commercial ferry terminal and recreational marina adjacent to the Los Angeles River Estuary (LARE). The project consists of two entrance channels, three stone breakwaters, a network of deepwater channels ranging in depth from -45 feet to -76 feet within the ports, and a -20 feet channel in the LARE.

ALLOCATION FOR FY 2014: \$9,785,160

BUDGETED AMOUNT FOR FY 2015: M: \$7,740,000 O: \$0 T: \$7,740,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,740,000 will be used for maintenance dredging in the Federal channels in the LARE including sediment testing, engineering, and design. \$2,920,000 is for maintenance dredging in the most critical areas. The remaining \$4,820,000 is for maintenance dredging for the remaining areas including the sediment trap.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The project supports the first and second busiest US container ports. Long Beach has also been identified as a national strategic port. The latest commercial tonnages are 80,276,183 (LB) and 64,991,842 (LA). The federal channel in the LARE supports the ferry operation from Long Beach to Catalina Island, approximately 26 miles south of Long Beach. This channel also supports Rainbow Harbor, a marina with 36 permanent slips and 500 feet of side tie, and a public boat launch ramp servicing approximately 10,000 launches a year. The ferry operation is used as the primary evacuation route for emergency personnel (as demonstrated by the 2007 Avalon Fire on Catalina Island).

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$217,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Merced County Streams, California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project consists of the following flood control improvements:

a. Five flood retention dams:

Mariposa, 88 feet-high (15,000 acre-feet), 18 miles east of Merced, CA.

Owens 75 feet-high (3,600 acre-feet), 16 miles east of Merced, CA.

Bear, 92 feet-high (7,700 acre-feet), 16 miles east of Merced, CA.

Burns, 53 feet-high (7,000 acre-feet), 13 miles northeast of Merced, CA.

Castle, 40 feet-high (6,400 acre-feet), 6 miles northwest of Merced, CA.

b. Black Rascal and Owens Diversion Canals; and

c. Channel improvements on various streams in the vicinity of Merced, CA.

There are no recreation facilities. The project is located in Merced and Mariposa Counties.

ALLOCATION FOR FY 2014: \$396,000

BUDGETED AMOUNT FOR FY 2015: M: \$133,000 O: \$261,000 T: \$394,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$394,000 Funding provides for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, limited repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data system modifications.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$8,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Sacramento

Merced County Streams, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Mojave River Dam, California

AUTHORIZATION: Flood Control Act of 1960

LOCATION AND DESCRIPTION: Project is located 100 miles east of Los Angeles, CA in San Bernardino County, and consists of an earth-fill dam, service and spillway roads, outlet works, earth-fill saddle dike, reservoir, and recreation area.

ALLOCATION FOR FY 2014: \$349,470

BUDGETED AMOUNT FOR FY 2015: M: \$162,000 O: \$221,000 T: \$383,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$287,000 will be used for operation and maintenance of dam and appurtenant structures, facilities, and dam operator compounds, and for dam safety.

RC: \$48,000 will be used for oversight of out-granted recreation areas located within the Mojave Dam flood control basin.

H: N/A

ES: \$48,000 will be used for consultation and coordination with Local, State & Federal agencies and stakeholders on degradation of natural resources and listed species (Gila monster), and stewardship of cultural resources.

WS: N/A

OTHER INFORMATION: Damages prevented through FY 2013 totals is \$1,002,000. Visitation for FY 2012 was 5,554.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$26,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Morro Bay Harbor, CA

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: The harbor is located half way between Los Angeles and San Francisco in San Luis Obispo County. The project consists of the breakwater, entrance channel, main channel, Navy channel, Morro Channel, and a sand trap.

ALLOCATION FOR FY 2014: \$ 2,329,470

BUDGETED AMOUNT FOR FY 2015: M: \$2,060,000 O: \$0 T: \$2,060,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,060,000 will be used for maintenance dredging of the entrance channel to allow for safe transit of the bar and entrance channel by commercial and recreational vessels.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The harbor entrance is in a high wave energy environment and critical routine dredging is required annually to keep the entrance in manageable state for safe navigation. The entrance channel is normally maintained by the Corps' dredge YAQUINA. The harbor is a critical harbor of refuge, and the US Coast Guard also has a station in the harbor. California Department of Fish and Wildlife reports 2,560 tons in commercial fish landings in 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$43,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: New Hogan Lake, California

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: The project is located on the Calaveras River, about 28 miles northeast of Stockton, CA in Calaveras County, and comprises a rock-fill dam with an impervious earth core, four dikes, spillway, and reservoir.

ALLOCATION FOR FY 2014: \$2,567,070

BUDGETED AMOUNT FOR FY 2015: M: \$420,000 O: \$2,219,000 T: \$2,639,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,568,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: \$919,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$152,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources; as well as support for GIS.

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,014,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: New Melones Lake (Downstream Channel), California

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: The project extends along the Stanislaus River from Goodwin Dam to its confluence with the San Joaquin River. The project is located in Calaveras, San Joaquin, Stanislaus, and Tuolumne counties. The project provides recreation access to the Lower Stanislaus River.

ALLOCATION FOR FY 2014: \$1,917,630

BUDGETED AMOUNT FOR FY 2015: M: \$410,000 O: \$1,845,000 T: \$2,255,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$350,000 will be used for minimum channel operation and maintenance to prevent failure and maintain project integrity, and limited inspections and engineering consultations.

RC: \$1,081,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$824,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources; as well as support for GIS. Activities will also include updating the 32 year old Master Plan.

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$22,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Sacramento

New Melones Lake
(Downstream Channel), CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Oakland Harbor, California

AUTHORIZATION: River and Harbor Acts of 1910, 1917, 1922, 1928, 1930, 1945, and 1962, WRDA 1986, and WRDA 1999

LOCATION AND DESCRIPTION: Oakland Harbor is located on San Francisco Bay in Alameda County, CA. The project includes Inner and Outer Harbors and a jetty. The project also provides for monitoring of the Sonoma Baylands Wetland Demonstration Site and reimbursement to Alameda County for operations and maintenance of the Fruitvale Avenue Railroad Bridge.

ALLOCATION FOR FY 2014: \$21,848,310

BUDGETED AMOUNT FOR FY 2015: M: \$21,970,000 O: \$0 T: \$21,970,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$21,970,000 will be used for annual contract maintenance dredging of the Inner and Outer Harbor Channels to project depth of -50 feet. Amount includes funding to complete FY 2014 dredging and initiate FY 2015 dredging as environmental window is August to November. Failure to dredge would result in imposed draft restrictions limiting commercial navigation.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Port of Oakland is the major container facility in San Francisco Bay and is a National Strategic Port. Commercial tonnage for 2011 was 18,495,000 tons. The project was recently deepened to -50 feet from -45 feet.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$237,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Oceanside Harbor, CA

AUTHORIZATION: River and Harbor Act of 1968

LOCATION AND DESCRIPTION: Located in San Diego County, 30 miles north of San Diego. The project provides for maintenance of the general navigation features of the Del Mar Channel (constructed by the U.S. Navy), Oceanside Harbor (constructed by the local interests) and the entrance channel. The harbor supports operations of Marine Corps Base Camp Pendleton.

ALLOCATION FOR FY 2014: \$1,782,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,700,000 O: \$0 T: \$1,700,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,700,000 will be used for maintenance dredging of the entrance channel to allow for safe transit by military, commercial, and recreational vessels.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The harbor requires annual dredging to keep the harbor entrance open to support all search and rescue vessels, US Navy vessels, US Coast Guard Auxiliary and local marine vessels. The harbor is also a critical harbor of refuge. California Department of Fish and Wildlife reports 347 tons in commercial fish landings in 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$19,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pine Flat Lake, California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: Pine Flat Dam is located on the Kings River, about 25 miles east of the city of Fresno in Fresno County. The project consists of a straight, gravity-type concrete structure, a spillway in the central section, and a reservoir.

ALLOCATION FOR FY 2014: \$3,557,070

BUDGETED AMOUNT FOR FY 2015: M: \$1,012,000 O: \$2,247,000 T: \$3,259,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,220,000 will be used for routine required dam operation and maintenance. Operation includes: execution of gate operation & service, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data system modifications.

RC: \$948,000 will be used to provide for the safety of the recreating public; for routine O&M for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

RC-SUS15: \$50,000 will be used for installation of solar water heaters on campground restrooms. 2/

H: N/A

EN: \$91,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources; as well as support for GIS.

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$32,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: South Pacific

District: Sacramento

Pine Flat Lake, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Redwood City Harbor, California

AUTHORIZATION: River and Harbor Acts of 1910, 1930, 1935, 1945, and 1950

LOCATION AND DESCRIPTION: Redwood City Harbor is on San Francisco Bay in San Mateo County, CA. The project consists of the San Bruno Shoal channel, an entrance channel, outer channel, inner channel, and two turning basins. Redwood City is the only commercial deep draft harbor in southern San Francisco Bay. Authorized project depth is -30 feet.

ALLOCATION FOR FY 2014: \$7,687,350

BUDGETED AMOUNT FOR FY 2015: M: \$1,900,000 O: \$0 T: \$1,900,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR 2015:

N: \$1,900,000 will be used for maintenance dredging of the harbor channels to a depth of -26 to -28 feet. Failure to dredge would result in imposed draft restrictions limiting commercial navigation.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Maintenance dredging completed in FY 10 filled the Bair Island beneficial reuse site, which is owned by Fish and Wildlife, to capacity. The 2012 dredging episode resulted in a knockdown effort later in the fiscal year, but the final controlling depth was deemed unacceptable to the local sponsor. The latest commercial tonnage (2011) is 896,000 tons.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Richmond Harbor, California

AUTHORIZATION: River and Harbor Acts of 1917, 1930, 1935, 1938, 1945, and 1954

LOCATION AND DESCRIPTION: Richmond Harbor is located on San Francisco Bay in Contra Costa County, CA. The project includes the Outer and Inner Harbor Channels and a training wall. Authorized project depths of the channels are -38 (Inner Harbor) to -45 feet (Outer Harbor).

ALLOCATION FOR FY 2014: \$13,540,230

BUDGETED AMOUNT FOR FY 2015: M: \$7,900,000 O: \$0 T: \$7,900,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$7,900,000 will be used for annual maintenance dredging of the Inner Harbor (contract) and the Outer Harbor (Corps hopper dredge ESSAYONS). The Port of Richmond is the major tanker terminal in San Francisco Bay. Failure to dredge would result in imposed draft restrictions limiting commercial navigation.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Port of Richmond accounts for over 30% of all commercial tonnage in San Francisco Bay (24,256,000 tons in 2011). The Port of Richmond is the major tanker terminal and breakbulk port in San Francisco Bay.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$314,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sacramento River (30-Foot Channel), California

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: The Sacramento Deep Water Ship Channel is the upper 43 miles of an 80 mile deep draft ship channel that connects the Port of West Sacramento with the Pacific Ocean and is maintained to an authorized depth of -30 feet. The project also includes 33 miles of dual purpose navigation and flood protection levees. The project is located in the counties of Sacramento, Yolo, and Solano.

ALLOCATION FOR FY 2014: \$1,485,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,300,000 O: \$0 T: \$1,300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

NAV: \$1,300,000 will be used for minimal project condition survey for public safety, critical routine navigation levee maintenance, required environmental compliance for Corps property along the channel, and maintenance of the ship channel to its authorized depth of -30 feet. Basic levee maintenance will be conducted to provide vehicle access during emergencies. Funding also includes real estate compliance inspections and out-grant oversight.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The ship channel is an integral component of the California Bay Delta ecosystem and supports the Port of West Sacramento which is a vital link to California's agriculture industry and a key factor in the economic recovery of the nation. The latest commercial tonnage is 260,000 tons. The only U.S. Coast Guard station in the California Bay Delta is located along the channel.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,848,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Sacramento

Sacramento River
(30-Foot Channel), CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sacramento River and Tributaries (Debris Control), California

AUTHORIZATION: River and Harbor Act of 1935, WRDA 1986

LOCATION AND DESCRIPTION: Englebright Dam is 20 miles east of Marysville, CA in Yuba County on the Yuba River. North Fork Dam is 5 miles northeast of Auburn, CA in Nevada County on the American River. The thin wall concrete arch dams hold back hydraulic mining sediment and debris to prevent navigation impacts downstream. The project was originally constructed by the California Debris Commission and was transferred to the Corps in 1986. The Corps administers recreation at Englebright. The US Bureau of Reclamation administers recreation at North Fork Dam by outgrant to the California State Parks system.

ALLOCATION FOR FY 2014: \$1,422,630

BUDGETED AMOUNT FOR FY 2015: M: \$120,000 O: \$1,274,000 T: \$1,394,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$600,000 will be used for operation and maintenance of dam and all appurtenant structures, including monitoring and analysis of instrumentation, data collection, real estate requirements, and Federal, State and local coordination in order to prevent navigation impacts downstream.

FRM: N/A

RC: \$616,000 will be used for routine operation and maintenance for recreation; environmental compliance; law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$178,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; and protection of historical, archeological, and cultural resources.

WS: N/A

OTHER INFORMATION: The Sacramento District was involved in litigation brought by the South Yuba River Citizens League regarding project impacts to ESA listed species (salmon, steelhead and green sturgeon). As a result of the litigation, the National Marine Fisheries Service issued a Jeopardy Biological Opinion in February 2012 which contains extensive requirements to mitigate for fisheries impacts.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$89,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Sacramento

Sacramento River and Tributaries
(Debris Control), CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sacramento River Shallow Draft Channel, California

AUTHORIZATION: River and Harbor Acts of 1899, 1912, 1927, and 1935, WRDA 1986

LOCATION AND DESCRIPTION: The project consists of a -10 foot channel, from Suisun Bay to Sacramento, a distance of 60 miles; -6 foot channel between Sacramento and Colusa, 85 miles; -5 foot channel between Colusa and Chico Landing, 50 miles; and such depth as practicable between Chico Landing and Red Bluff, a distance of 53 miles. The reach from Colusa to Red Bluff was deauthorized by WRDA 1986. Project is located in the counties of Colusa, Glenn, Placer, Solano, Tehama, and Yolo.

ALLOCATION FOR FY 2014: \$792,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$200,000 T: \$200,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$200,000 will be used for inspections and maintenance of wing dams to ensure snags and other navigation hazards are properly cleared. Maintenance also includes replacement of the wing dam buoys. Failure to remove snags and replace wing dam buoys would result in navigation safety hazards which may result in loss of property or life, if not maintained.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Sacramento River is a heavily used waterway by recreational vessels.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: San Francisco Bay Delta Model Structure, California

AUTHORIZATION: Water Resources Development Act of 1974

LOCATION AND DESCRIPTION: The San Francisco Bay Delta Model Regional Visitor Center is located in Sausalito, CA. The Class A Visitor Center has hundreds of exhibits, including the centerpiece exhibit of a historical hydraulic to scale three-dimensional model of the greater San Francisco Bay Area and Delta covering one and one half acres. The facility receives over 200,000 visitors (60% school children) per year to learn about the U.S. Army Corps of Engineers missions.

ALLOCATION FOR FY 2014: \$855,360

BUDGETED AMOUNT FOR FY 2015: M: \$440,000 O: \$747,000 T: \$1,187,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: \$1,187,000 will be used for annual operation and maintenance of the Bay Delta model and visitor center. fulfilling Corps Strategic Communication goals, providing public and curriculum-based school tours, special events, workshops, and seminars on the Corps's modern missions within the context of the environmental, cultural, and historical issues of the San Francisco Bay Area.

RC-SUS15: Total Recreation amount includes two sustainability activities, \$50,000 for upgrading restrooms with water conservation fixtures and \$350,000 for replacing 30 year old HVAC systems with energy efficient and environmentally compliant systems. 2/

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Bay Model building also houses the back-up Emergency Operations Center for the South Pacific Division.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$8,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: South Pacific

District: San Francisco

San Francisco Bay Delta
Model Structure, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: San Francisco Bay Long Term Management Strategy (LTMS), California

AUTHORIZATION: Energy and Water Development Appropriations Act, 1991

LOCATION AND DESCRIPTION: The project encompasses all dredging and placement occurring in the San Francisco, San Pablo, and Suisun Bays in California. The goals of the LTMS program are to maintain, in an economically and environmentally sound manner, those channels necessary for navigation, conduct dredged material disposal in the most environmentally sound manner, maximize the use of dredged material as a resource, and establish a cooperative permitting framework for dredging and dredged material disposal applications. In order to implement these goals, the LTMS Management Plan set dredged material disposal targets at a maximum of 20% in-bay, a minimum of 40% beneficial reuse, with 40% ocean disposal as the safety valve if beneficial reuse sites were not available. All management activities are designed to accomplish these goals.

ALLOCATION FOR FY 2014: \$762,300

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$275,000 T: \$275,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR 2015:

N: \$275,000 will be used for Corps staff labor for the interagency Dredged Material Management Office (DMMO). DMMO is a critical component of SF Bay LTMS for management of unconfined aquatic placement and beneficial use of dredged material. Corps dredging projects are allowed continued use of cost-effective aquatic placement in part due to the oversight and management of aquatic disposal provided by the DMMO.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION:

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$35,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: San Francisco

San Francisco Bay Long Term
Management Strategy, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: San Francisco Harbor and Bay (Drift Removal), California

AUTHORIZATION: River and Harbor Act of 1945, House Document 286

LOCATION AND DESCRIPTION: Drift Removal is the removal of floating hazards to navigation using Government-owned vessels. The project is based at the San Francisco District Operations base at Sausalito, CA. The drift removal fleet's areas of operation are San Francisco Bay, San Pablo Bay, and Suisun Bays.

ALLOCATION FOR FY 2014: \$4,779,720

BUDGETED AMOUNT FOR FY 2015: M: \$3,360,000 O: \$0 T: \$3,360,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,360,000 will be used for the removal of floating hazards in navigation channels. The drift removal operation affects the navigational safety concerns for all Bay Area Federal channels. This work enables marine vessels (private and commercial) to safely operate to reach over 1,000 ports, harbors, and marinas.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: San Francisco Bay supports 71,000 annual high speed ferry trips servicing over 2,000,000 commuters, 20,000 boat berths, and 100,000+ shipping industry jobs. The shipping industry contributes over \$4.5 billion to the economy.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$17,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: San Francisco

San Francisco Harbor and Bay
(Drift Removal), CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: San Francisco Harbor, California

AUTHORIZATION: River and Harbor Acts of 1927, 1930, and 1935

LOCATION AND DESCRIPTION: The Main Ship (Bar) Channel is located approximately five miles west of the Golden Gate Bridge and is the gateway to San Francisco Bay. Authorized project depth is -55 feet.

ALLOCATION FOR FY 2014: \$3,088,800

BUDGETED AMOUNT FOR FY 2015: M: \$1,900,000 O: \$0 T: \$1,900,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,900,000 will be used for annual maintenance dredging of the Main Ship (Bar) Channel by Corps hopper dredge ESSAYONS to -55 feet. All commercial deep draft and national defense shipping to San Francisco Bay, San Pablo Bay, Suisun Bay, Sacramento and Stockton must traverse through this project. Extremely hazardous bar conditions resulting from winter storms require annual dredging for safe navigation.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Over 65,000,000 tons of waterborne commerce traversed the San Francisco Bar entrance channel in the latest year of record (2011). With the completion of the -50 foot channel at the Port of Oakland, the continued maintenance of the -55 foot entrance channel to San Francisco Bay is essential.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$18,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: San Francisco

San Francisco Harbor, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: San Joaquin River, Port of Stockton, California

AUTHORIZATION: River and Harbor Acts of 1876, 1927, and 1950

LOCATION AND DESCRIPTION: The Stockton Deep Water Ship Channel extends 41 miles from the Port of Stockton to Antioch, CA in the counties of Contra Costa, Sacramento and San Joaquin. The project includes the channel, a sediment trap, and bank protection.

ALLOCATION FOR FY 2014: \$6,012,270

BUDGETED AMOUNT FOR FY 2015: M: \$4,952,000 O: \$0 T: \$4,952,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$4,952,000 will be used for maintenance of the channel to its authorized depth of -35 feet, compliance with mandated water quality certification, and establishment of programmatic agreements for ESA. Funding also includes real estate compliance inspections and outgrant oversight.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The ship channel is an integral component of the California Bay Delta ecosystem and supports the Port of Stockton which is the largest inland and the fourth busiest port in California. Approximately 30 cargo vessels pass through the channel each month, taking more than 1,000,000 trucks off area roads annually. The latest commercial tonnage is 5,000,000 tons. The port is a vital link to the agricultural industry of the California Central Valley, handling more than 90% of fertilizer used by the regions growers and over 50% of California's bagged rice to Japan.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$24,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Sacramento

San Joaquin River,
Port of Stockton, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: San Pablo Bay Mare Island Strait, California

AUTHORIZATION: River & Harbor Acts of 1902, 1911, 1917, 1938, 1945, 1965, and 1968

LOCATION AND DESCRIPTION: The San Pablo Bay and Mare Island Strait project is located in Solano County, CA and consists of the Mare Island Strait and Pinole Shoal Channels. Pinole Shoal Channel is authorized to -35 feet. Pinole Shoal Channel is 11 miles long and is part of the San Francisco Stockton Ship Channel, a major arterial. Mare Island Strait has not been dredged since the closure of Mare Island Naval Shipyard, although condition surveys are performed periodically.

ALLOCATION FOR FY 2014: \$772,200

BUDGETED AMOUNT FOR FY 2015: M: \$2,400,000 O: \$0 T: \$2,400,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,400,000 will be used for annual maintenance dredging of the Pinole Shoal Channel by Corps hopper dredge ESSAYONS in order to provide access to refineries, and the ports of Sacramento and Stockton.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Pinole Shoal Channel provides deep water access to the Suisun Bay Channel and the Ports of Sacramento and Stockton for commercial traffic of foreign and domestic deep draft merchant and oil tanker vessels. Supports Military Ocean Terminal Concord (MOTCO), a US military Strategic Seaport in the National Port Readiness Network. Commercial tonnage was 25,705,000 tons in 2011.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$79,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: San Francisco

San Pablo Bay Mare
Island Strait, CA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Santa Ana River Basin, California

AUTHORIZATION: Flood Control Act of 1936 (as amended 1938)

LOCATION AND DESCRIPTION:

- a. Brea Dam: Located 2 miles north of Fullerton, CA, includes dam and appurtenances and recreation area.
- b. Carbon Canyon Dam: Located 16 miles northeast of Santa Ana, CA, includes dam and appurtenances, and recreation area.
- c. Fullerton Dam: Located 2 miles northeast of Fullerton, CA, includes dam and appurtenances and recreation area.
- d. Prado Dam: Located 45 miles east of Los Angeles, CA, includes dam and appurtenances and three recreation areas.
- e. San Antonio Dam: Located 8 miles north of Pomona, CA includes dam and appurtenances.
- f. San Antonio and Chino Creeks Channels: Located 30 miles east of Los Angeles, CA, includes 15.7 miles of channel.

ALLOCATION FOR FY 2014: \$4,437,576

BUDGETED AMOUNT FOR FY 2015: M: \$2,103,000 O: \$1,839,000 T: \$3,942,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$3,680,000 will be used for operation and maintenance of 5 flood risk management projects including service facilities and grounds, permanent operating equipment, reservoir operations, water control management, inspections, asset management, dam safety, instrumentation, and inspections.

RC: \$125,000 will be used for oversight of out-granted recreation areas within the project.

H: N/A

ES: \$ 137,000 will be used for consultation and coordination with local, State, and Federal agencies and stakeholders, including on critical habitat for listed species (vireo, flycatchers, Santa Ana sucker) as well as updating the project Master Plans.

WS: N/A

OTHER INFORMATION: Damages prevented through FY 2013 total \$6,760,084,000. In FY 2012 there were 3,718,601 visitors project wide.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$54,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Santa Barbara Harbor, California

AUTHORIZATION: River and Harbor Acts of 1935 and 1945

LOCATION AND DESCRIPTION: Located in Santa Barbara County, California, 90 miles northwest of Los Angeles. The project consists of entrance and interior channels. Authorized project depth is -15 feet in the interior channels and -20 feet in the entrance channel. The USCG cutter vessel Blackfin is stationed in the harbor along with a USCG Marine Safety Detachment.

ALLOCATION FOR FY 2014: \$2,638,350

BUDGETED AMOUNT FOR FY 2015: M: \$2,380,000 O: \$0 T: \$2,380,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$ 2,380,000 provides for maintenance dredging of the project to allow for safe transit by commercial and recreational vessels.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The project supports a strategic Coast Guard Station in the area and is a critical harbor of refuge. California Department of Fish and Wildlife reports 3,354 tons in commercial fish landings for 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$49,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Success Lake, California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located on the Tule River, about six miles east of Porterville, CA in Tulare County. The project comprises an earth-fill dam, a spillway, an auxiliary earth-fill dam, and a reservoir.

ALLOCATION FOR FY 2014: \$2,596,770

BUDGETED AMOUNT FOR FY 2015: M: \$354,000 O: \$1,918,000 T: \$2,272,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,518,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: \$726,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$28,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources; as well as support for GIS.

WS: N/A

OTHER INFORMATION: Project is currently not fully able to provide the benefits for which it was designed and constructed . A reservoir restriction will limit water storage. A dam safety investigation is currently underway to determine the appropriate remediation efforts.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$33,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Suisun Bay Channel, California

AUTHORIZATION: River and Harbor Acts of 1927, 1930, 1935, and 1960

LOCATION AND DESCRIPTION: The Suisun Bay Channel is 30 miles northeast of San Francisco, CA. Project consists of the main channel and New York Slough. Authorized project depth of the main channel is -35 feet. Bullshead Reach is a critical maneuvering area in the main channel with a high shoaling rate.

ALLOCATION FOR FY 2014: \$2,005,740

BUDGETED AMOUNT FOR FY 2015: M: \$2,400,000 O: \$0 T: \$2,400,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR 2015:

N: \$2,400,000 will be used for annual maintenance dredging of the main channel (including Bullshead Reach) by Corps hopper dredge YAQUINA in order to prevent draft restrictions to oil tankers. All commercial deep draft and national defense shipping to Sacramento and Stockton must traverse through this project.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Provides access to Ports of Sacramento, Stockton, and Concord Naval Weapons Station, which is important for national security. Supports Military Ocean Terminal Concord (MOTCO), a US military Strategic Seaport in the National Port Readiness Network. Commercial tonnage was 7,841,000 tons in 2011.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$305,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Terminus Dam (Lake Kaweah), California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project is located on the Kaweah River about 20 miles east of Visalia, CA in Tulare County. The project comprises an earth-fill dam, an auxiliary earth-fill dam, fuse gates, and a reservoir.

ALLOCATION FOR FY 2014: \$2,392,830

BUDGETED AMOUNT FOR FY 2015: M: \$397,000 O: \$1,746,000 T: \$2,143,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,325,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: \$766,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$52,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources; as well as support for GIS.

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$161,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ventura Harbor, California

AUTHORIZATION: River and Harbor Act of 1965

LOCATION AND DESCRIPTION: Located in Ventura County, 65 miles northwest of Los Angeles; consists of an entrance channel, sand trap, three jetties, south beach groin, and detached breakwater.

ALLOCATION FOR FY 2014: \$7,000,290

BUDGETED AMOUNT FOR FY 2015: M: \$3,354,000 O: \$0 T: \$3,354,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,354,000 will be used for maintenance dredging of the entrance channel. Dredging will establish and provide safe navigation in the entrance channel as the harbor is subject to severe wave climate.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: California Department of Fish and Wildlife reports 15,040 tons of commercial fish landings in 2012. Ventura Harbor is home to the Channel Islands National Park Visitor Center (whose fleet supplies all provisions to the 5 islands in the park and provides education, recreation and research support), and the largest squid fishing fleet on the west coast. The harbor also supports law enforcement and search and rescue missions in the area. All dredged materials are placed on down coast shorelines for beneficial reuse.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$7,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Yuba River, California

AUTHORIZATION: River and Harbor Acts of 1896 & 1902, WRDA 1986

LOCATION AND DESCRIPTION: The project consists of a concrete debris barrier (Daguerre Point Dam) with dikes across overflow channels and protective works (groins) downstream to maintain the Yuba River in its confined channel to the junction with the Feather River at Marysville, CA in Yuba County, as well as fish ladders. The project holds back hydraulic mining sediment and debris to prevent navigation impacts downstream. The project was originally constructed by the California Debris Commission and was transferred to the Corps in 1986.

ALLOCATION FOR FY 2014: \$1,439,955

BUDGETED AMOUNT FOR FY 2015: M: \$3,030,000 O: \$148,000 T: \$3,178,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$3,100,000 will be used for operation and maintenance of the dam and all appurtenant structures, including monitoring and analysis of instrumentation and data collection, and real estate requirements including state and local agency coordination in order to prevent navigation impacts downstream. Amount includes \$3,000,000 for implementation of compliance measures for the 2012 Jeopardy Biological Opinion, including ESA consultation, and monitoring and maintenance of fish ladders.

FRM: N/A

RC: N/A

H: N/A

EN: \$78,000 will be used for annual operation and maintenance of the fish ladders as well as NEPA documentation and review.

WS: N/A

OTHER INFORMATION: The Sacramento District was involved in litigation brought by the South Yuba River Citizens League regarding project impacts to ESA listed species (salmon, steelhead and green sturgeon). As a result of the litigation, the National Marine Fisheries Service issued a Jeopardy Biological Opinion in February 2012 which contains extensive requirements to mitigate for fisheries impacts.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$10,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Colorado

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: John Martin Reservoir, Colorado

AUTHORIZATION: Flood Control Act of 1936 as Caddoa Reservoir, renamed in 1940.

LOCATION AND DESCRIPTION: John Martin Reservoir is located in Bent County, CO about midway between Lamar and Las Animas at Hasty on the Arkansas River at river mile 1159 approximately 58 miles upstream from the Colorado – Kansas state line. The project dam has a concrete section, an earth-fill section, two earth-fill wing dams, spillway, outlet works, and recreation areas. A State Park is also located at the project

ALLOCATION FOR FY 2014: \$2,641,320

BUDGETED AMOUNT FOR FY 2015: M: \$952,000 O: \$2,105,000 T: \$3,057,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,836,000 will be used for routine operation and maintenance for flood risk management. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$300,000 for armoring the river channel and \$150,000 for instrumentation replacement. Amount also includes \$149,000 for monitoring and management of endangered species in compliance with the 2001 Biological Opinion for the Piping Plover and the Interior Least Tern, previously budgeted under Environmental Stewardship.

RC: \$116,000 will be used for routine operation and maintenance for recreation and implementation of law enforcement and service contracts.

H: N/A

EN: \$105,000 will be used for routine operation and maintenance for environmental stewardship; specialized habitat management; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: FY 2012 visitation hours were 1,963,892. Accumulated flood and sediment damages prevented by the project since completion are \$140,767,000 through FY 2012. Irrigation benefits through FY 2012 are \$31,913,000. Irrigation benefit releases for 2012 were 25,812 acre-feet.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$116,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Trinidad Lake, Colorado

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Trinidad Dam is located on the Purgatoire River at river mile 160.5, an Arkansas River tributary, in Las Animas County, Colorado, approximately 4 miles upstream from Trinidad, CO and 250 miles from Albuquerque, NM. The project consists of an earth-fill dam, spillways, reservoir, and recreation facilities. The State of Colorado operates and maintains the recreation areas.

ALLOCATION FOR FY 2014: \$1,663,200

BUDGETED AMOUNT FOR FY 2015: M: \$220,000 O: \$1,542,000 T: \$1,762,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,620,000 provides for routine operation and maintenance for flood risk management. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$500,000 for instrumentation replacement and \$102,000 for parking lot repairs.

RC: \$77,000 provides for routine operation and maintenance for recreation; implementation of law enforcement agreements; real estate management; and environmental compliance.

H: N/A

EN: \$65,000 provides for routine operation and maintenance for environmental stewardship; monitoring and management of endangered species; specialized habitat management; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: The project is rated a Dam Safety Action Classification (DSAC) II for risk based assessment of dam safety. FY 2012 visitation hours were 603,081. Accumulated sediment damages prevented by the project since completion are \$3,250,000 through FY 2012. Irrigation benefits through FY 2012 are \$2,982,000. Irrigation benefit releases for 2012 were 10,186 acre-feet.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$139,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Nevada

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Martis Creek Lake, Nevada & California

AUTHORIZATION: Flood Control Act of 1944

LOCATION AND DESCRIPTION: The project consists of an earth-fill dam and reservoir on Martis Creek (a tributary of Truckee River), about 32 miles southwest of Reno. The project is located in Nevada and Placer counties in California and Washoe County in Nevada.

ALLOCATION FOR FY 2014: \$1,050,390

BUDGETED AMOUNT FOR FY 2015: M: \$253,000 O: \$1,209,000 T: \$1,462,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,002,000 will be used for routine required dam operation and maintenance. Operation includes: limited execution of gate operation, dam safety and post-earthquake inspections, emergency actions, monitoring instrumentation, data collection, water management, real estate compliance and out-grant inspections. Maintenance includes: limited critical maintenance, repairs to major equipment, embankment, fire suppression, security system, HVAC, vegetation control, and water control data systems modifications.

RC: \$180,000 will be used for routine operation and maintenance for recreation; inspection of recreational facilities; environmental compliance; implementation of law enforcement agreements; real estate management; contract administration; water safety outreach and environmental education; and partnerships and collaboration with stakeholders.

H: N/A

EN: \$280,000 will be used for routine operation and maintenance for environmental stewardship; monitoring and management of threatened, endangered, and special status species; monitoring and management of invasive species; conservation, restoration, and management of natural resources; protection of historical, archeological, and cultural resources; and continuation of the Master Plan update.

WS: N/A

OTHER INFORMATION: Project is currently not fully able to provide the benefits for which it was designed and constructed because of seepage problems and seismic concerns. A dam safety investigation is currently underway to determine the appropriate remediation efforts.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$155,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pine and Mathews Canyons Dam, Nevada

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION:

a. Pine Canyon Dam: Located about 100 miles northeast of Las Vegas, NV and consists of earth-fill dam, outlet works, spillway, dike, service roads, and reservoir.

b. Mathews Canyon Dam: Located about 100 miles northeast of Las Vegas, NV and consists of earth-fill dam, outlet works, spillway, service roads, trash rack, and reservoir.

ALLOCATION FOR FY 2014: \$333,630

BUDGETED AMOUNT FOR FY 2015: M: \$245,000 O: \$162,000 T: \$407,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$335,000 will be used for operation of dam grounds, utilities, service facilities, and hydrographic instrumentation as well as maintenance of the dam and appurtenant structures, relief well testing, maintenance and monitoring.

RC: N/A

H: N/A

ES: \$72,000 will be used for coordination and consultation with Local, State & Federal agencies and stakeholders on degradation of natural resources and listed species (Gila monster), and stewardship of cultural resources.

WS: N/A

OTHER INFORMATION: Damages prevented through FY 2013 total \$22,647,000. There are no recreation facilities.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$8,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

New Mexico

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Abiquiu Dam, New Mexico

AUTHORIZATION: Flood Control Acts of 1948, 1950, 1960
WRDA 1986 and Energy and Water Development Appropriations Act, 1997 (emergency gates),
PL 87-483, 1962 - (authorized the San Juan-Chama Project to transfer interbasin water),
PL 97-140, 1981 - (authorized the storage of that water in Abiquiu Reservoir)

LOCATION AND DESCRIPTION: Abiquiu Dam is located in Rio Arriba County, approximately 6 miles west of the town of Abiquiu, 32 miles upstream from the confluence of the Rio Chama and the Rio Grande and approximately 120 miles north of Albuquerque, NM. The project consists of an earth-fill dam, reservoir, outlet works, spillway, recreation facilities, and a Non-Federal hydroelectric facility.

ALLOCATION FOR FY 2014: \$2,744,280

BUDGETED AMOUNT FOR FY 2015: M: \$960,000 O: \$1,834,000 T: \$2,794,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,366,000 will be used for routine operation and maintenance for flood risk management. These funds will improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$250,000 for the addition of three wells and piezometers to address excess seepage. Amount also includes \$8,000 for compliance with the 2003 Biological Opinion for the Rio Grande Silvery Minnow and the Southwestern Willow Flycatcher, previously budgeted under Environmental Stewardship.

RC: \$248,000 will be used for routine operation and maintenance for recreation and implementation of law enforcement and service contracts.

H: N/A

EN: \$180,000 will be used for routine operation and maintenance for environmental stewardship; specialized habitat management; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: FY 2012 visitation hours were 783,855. Accumulated flood and sediment damages prevented by the project since completion are \$567,653,000 through FY 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$226,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Cochiti Lake, New Mexico

AUTHORIZATION: Flood Control Act of 1960, Supplemental Authorization PL 88-293 (1964), and WRDA 1976

LOCATION AND DESCRIPTION: Cochiti Lake is located in Sandoval County, on Pueblo de Cochiti land approximately 50 river miles north of Albuquerque, NM at river mile 340 on the Rio Grande. The project consists of an earth-fill dam, spillway, outlet works, and recreation facilities. Cochiti Lake is authorized to maintain a 1,200 surface acre permanent recreation pool using San Juan-Chama water and thereafter sufficient water annually to offset evaporation from such area.

ALLOCATION FOR FY 2014: \$3,208,590

BUDGETED AMOUNT FOR FY 2015: M: \$970,000 O: \$2,617,000 T: \$3,587,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,688,000 will be used for routine operation and maintenance for flood risk management. These funds will improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$120,000 for re-roofing the control tower, \$85,000 for a seismic activity study, and \$50,000 for a spillway erodibility study. Amount also includes \$108,000 for monitoring and management of endangered species per the 2003 Biological Opinion for the Rio Grande silvery minnow and the Southwestern willow flycatcher, previously budgeted under Environmental Stewardship.

RC: \$775,000 will be used for routine operation and maintenance for recreation and implementation of law enforcement and service contracts.

RC-SUS15: \$320,000 will be used for solar electric system conversion of campgrounds. 2/

H: N/A

EN: \$124,000 will be used for routine operation and maintenance for environmental stewardship; specialized habitat management; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: The long-term impacts from sedimentation and debris caused by upstream fires on the service life of the project are being analyzed. Recreation attendance in FY 12 was 848,432 visitor hours. Accumulated flood and sediment damages prevented by the project since completion are \$541,244,000 through FY 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$247,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as

Division: South Pacific

District: Albuquerque

Cochiti Lake, NM

SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line.
Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Conchas Lake, New Mexico

AUTHORIZATION: Emergency Relief Act of 1935, Flood Control Acts of 1936 and 1938

LOCATION AND DESCRIPTION: The project is located in San Miguel County, NM, on the Canadian River 743 miles upstream from the mouth of the Canadian and Arkansas Rivers, approximately 34 miles northwest of Tucumcari, NM. The project consists of a concrete dam structure, earth-fill embankments, reservoir, outlet works, and recreation facilities. A State Park is also located at the project.

ALLOCATION FOR FY 2014: \$2,121,570

BUDGETED AMOUNT FOR FY 2015: M: \$568,000 O: \$2,226,000 T: \$2,794,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,581,000 will be used for routine operation and maintenance for flood risk management. These funds will improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$300,000 for demolition of a deteriorating historical lodge.

RC: \$108,000 will be used for routine operation and maintenance for recreation and implementation of law enforcement and service contracts.

H: N/A

EN: \$105,000 will be used for routine operation and maintenance for environmental stewardship; habitat management; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: FY 2012 visitation hours were 789,498. Accumulated flood and sediment damages prevented by the project since completion are \$5,461,000 through FY 2012. Irrigation benefits through FY 2012 are \$12,447,000. Irrigation benefit releases for 2012 were 532 acre-feet.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$280,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Galisteo Dam, New Mexico

AUTHORIZATION: Flood Control Act of 1960 (P.L. 86-645)

LOCATION AND DESCRIPTION: Galisteo Dam is located in Santa Fe County, approximately 20 miles southwest of Santa Fe, NM on Galisteo Creek 11.8 miles upstream from its confluence with the Rio Grande and approximately 45 miles north of Albuquerque, NM. The project consists of a earth-fill dam structure, spillway, and outlet works. Dam safety modifications were completed in 1998 to raise the dam and widen the spillway to the present configuration.

ALLOCATION FOR FY 2014: \$813,780

BUDGETED AMOUNT FOR FY 2015: M: \$472,000 O: \$678,000 T: \$1,150,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,085,000 provides for routine operation and maintenance for flood risk management. These funds will improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$300,000 for culvert replacement and repair, including repair of banks and undercutting. Amount also includes \$10,000 for monitoring and management of endangered species (Rio Grande silvery minnow and Southwestern willow flycatcher) per the 2003 Biological Opinion for the Rio Grande specialized habitat management, previously budgeted under Environmental Stewardship.

RC: \$49,000 provides for routine operation and maintenance for recreation and implementation of a law enforcement contract.

H: N/A

EN: \$16,000 provides for routine operation and maintenance for environmental stewardship; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: Efforts will be made to continue the control of invasive species, primarily salt cedar, within the upstream basin and on the upstream face of the dam. This on-going eradication effort will be followed by area restoration with native vegetation. FY 2012 visitation hours were 3,378. Accumulated sediment damages prevented by the project are \$195,000 through FY 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$53,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Jemez Canyon Dam, New Mexico

AUTHORIZATION: Flood Control Acts of 1948 and 1950

LOCATION AND DESCRIPTION: Jemez Canyon Dam is located in Sandoval County approximately 5 miles northwest of Bernalillo, NM on the Rio Jemez 2.8 miles upstream from the confluence of the Rio Grande and approximately 25 miles northwest of Albuquerque, NM. The project consists of an earth-fill dam structure, spillway, outlet works, and recreation facilities.

ALLOCATION FOR FY 2014: \$1,517,670

BUDGETED AMOUNT FOR FY 2015: M: \$399,000 O: \$993,000 T: \$1,392,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,316,000 will be used for routine operation and maintenance for flood risk management. These funds will improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$187,000 for painting the bridge deck to maintain integrity and preserve the structure. Amount also includes \$5,000 for monitoring and management of endangered species (Rio Grande silvery minnow and the Southwestern willow flycatcher) per the 2003 Biological Opinion, previously budgeted under Environmental Stewardship.

RC: \$40,000 will be used for routine operation and maintenance for recreation and implementation of law enforcement contract.

H: N/A

EN: \$36,000 will be used for routine operation and maintenance for environmental stewardship; specialized habitat management; and to ensure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: FY 2012 visitation hours were 21,446. Accumulated flood and sediment damages prevented by the project since completion are \$25,185,000 through FY 2012. Continued on-going Endangered Species Act Biological Opinion work to finalize a preferred alternative for the Jemez Sediment Mobilization and Pool Mitigation studies and begin the Environmental Assessment. Work also continues on addressing impacts to the Santa Ana Pueblo's ancestral Tamaya village which has drainage problems attributable to Corps construction of a "ring levee" for high flood storage protection.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$178,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Middle Rio Grande Endangered Species Collaborative Program (MRGESCP), New Mexico

AUTHORIZATION: Energy and Water Development Appropriations Act, 2006, Consolidated Appropriations Act, 2008, and Omnibus Appropriations Act, 2009.

LOCATION AND DESCRIPTION: The program is located in the Middle Rio Grande (MRG), NM, from the Colorado border to the headwaters of Elephant Butte and supports the 2003 Biological Opinion (BO) and subsequent BOs. The program is a partnership with 16 signatories organized to protect and improve the status of endangered species along the MRG while simultaneously protecting existing and future regional water uses. Two species of particular concern are the Rio Grande silvery minnow and the Southwestern willow flycatcher. The program provides funding for all participation in committees and work groups, watershed surveys and assessments, or technical studies.

ALLOCATION FOR FY 2014: \$2,475,000

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$2,492,000 T: \$2,492,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,492,000 will be used to fulfill requirements set forth in the 2003 BO and subsequent BOs, which provide Endangered Species Act compliance for Corps flood control operations, and for continued execution of the program's Long Term Plan (LTP). Allows continued Corps' biologists, hydrologists, hydraulic engineers, and planners input into the LTP and review of program studies and reports as authorized by a series of statutory provisions over the past decade. The LTP includes ecological studies evaluating habitat use and recruitment of endangered species, MRG Bosque education and outreach, Southwestern willow flycatcher surveying, and continued funding and management of the program's Database Management System. Identified program goals include alleviating jeopardy, promoting recovery to the listed species in the program area, and developing adaptive management tools to support a sustainable BO.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$12,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Albuquerque

Middle Rio Grande Endangered
Species Collaborative Program, NM

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Santa Rosa Dam and Lake, New Mexico

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Santa Rosa Dam & Lake is located on the Pecos River at river mile 766.4 in Guadalupe County approximately 7 miles north of Santa Rosa and 120 miles from Albuquerque, New Mexico. The project consists of an earth-fill dam, spillway, reservoir, outlet works and recreation facilities. A State Park is also located at the project.

ALLOCATION FOR FY 2014: \$1,267,200

BUDGETED AMOUNT FOR FY 2015: M: \$472,000 O: \$1,122,000 T: \$1,594,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,408,000 provides for routine operation and maintenance for flood risk management. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$15,000 for a spillway erodibility study. Amount also includes \$21,000 for monitoring and management of endangered species in compliance with the 2006 Biological Opinion for the Pecos Bluntnose Shiner and the threatened Arkansas River Shiner, previously budgeted under Environmental Stewardship.

RC: \$69,000 provides for routine operation and maintenance for recreation; implementation of law enforcement agreements; real estate management; and environmental compliance.

H: N/A

EN: \$117,000 provides for routine operation and maintenance of environmental stewardship; specialized habitat management; and to insure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: The project is rated as DSAC II for risk based assessment of dam safety, and also has an identified environmental liability caused by mercury in the reservoir sediments. FY 2012 visitation hours were 309,373. Accumulated flood and sediment damages prevented by the project since completion are \$5,804,000 through FY 2012. Irrigation benefits through FY 2012 are \$5,405,000. Irrigation benefit releases for 2012 were 18,358 acre-feet.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$163,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Two Rivers Dam, New Mexico

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: The project is located in Chaves County, 14 miles southwest of Roswell, NM. Operation and Maintenance of the project is accomplished by contract with the Chaves County Flood Control Commission. The project consists of two earth-fill dams (one on the Rio Hondo and the other on Rocky Arroyo, tributaries of the Pecos River), reservoir, and spillway.

ALLOCATION FOR FY 2014: \$727,650

BUDGETED AMOUNT FOR FY 2015: M: \$298,000 O: \$499,000 T: \$797,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$740,000 provides for routine operation and maintenance for flood risk management and will insure the continued planned operation and maintenance. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life, environmental damage, and providing for increased efficiency and lower future repair costs. Amount includes \$87,000 for vegetation removal.

RC: \$43,000 provides for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance.

H: N/A

EN: \$14,000 provides for routine operation and maintenance of environmental stewardship; monitoring and management of endangered species; specialized habitat management; and to insure historical, archeological and cultural resources are protected.

WS: N/A

OTHER INFORMATION: There is an on-going issue with the City of Roswell to have the city recover and maintain sufficient floodwater evacuation enabling channel capacity on the Rio Hondo and Rocky Arroyo below Two Rivers Dams. FY 2012 visitation hours were 191. The project has been operational since 1963. Accumulated flood and sediment damages prevented by the project since completion are \$214,579,000 through FY 2012.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$111,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Upper Rio Grande Water Operations Model (URGWOM), New Mexico

AUTHORIZATION: Flood Control Act of 1944, Section 7

LOCATION AND DESCRIPTION: Rio Grande System (RGR) Hydrologic Unit Code (HUC) Region 13 – Sub regions 1301 – 1309. The Upper Rio Grande Water Operations Model (URGWOM) assists water managers in flood control operations, water accounting, and evaluation of water operations alternatives. URGWOM is a key tool used to provide the community of water managers and water users with a transparent, consistent, and common set of data to formulate, evaluate, and support water management decisions. The operations model performs multi-contractor accounting and forecasting to simulate daily storage and delivery operations. The Corps and several participating agencies coordinated with the public, Native American tribes, and other basin interests to formulate draft alternative operations that are within existing authorities. Evaluation of system operation alternatives and further consultation and coordination are ongoing. The ongoing operation will continue to recommend system operations and provide guidelines for water operators' decisions.

ALLOCATION FOR FY 2014: \$1,423,620

BUDGETED AMOUNT FOR FY 2015: M: \$0 O: \$1,289,000 T: \$1,289,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,289,000 provides planning, forecasting and daily water operations modeling. URGWOM is also a tool used for the evaluation of water operations alternatives, as well as evaluation of water management alternatives for Biological Assessments and Opinions.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: URGWOM is an important tool for completing long-term planning studies to evaluate impacts of changes to the system or proposed actions analyzed as potential solutions for addressing the water needs in the basin and is a critical component used by the Corps and other Federal Agencies to develop operational scenarios for Endangered Species Act (ESA) Compliance.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$14,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

Division: South Pacific

District: Albuquerque

Upper Rio Grande Water
Operations Model (URGWOM), NM

Southwestern Division

24 March 2014

OPERATION AND MAINTENANCE

Key to Abbreviations:

N = Navigation

FRM = Flood Risk Management

REC = Recreation

HYD = Hydropower

ES = Environmental Stewardship

WS = Water Supply

ARKANSAS

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Beaver Lake, AR

AUTHORIZATION: Flood Control Act of 1938 and the Water Supply Act of 1958

LOCATION AND DESCRIPTION: The project is located in Benton, Carroll and Washington Counties of Arkansas. Beaver Lake is a multiple-purpose project located in the White River Basin. The project contains two 56 MW hydropower generator units.

ALLOCATION FOR FY 2014: \$7,365,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,802,000 O: \$6,198,000 T: \$8,000,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,689,000 – Funds will be used for critical routine operation of the dam, reservoir, service facilities and permanent operating equipment; perform inspection of structures and equipment; and maintenance of the tainter gates, sluice gates, overhead crane, and emergency generator. Non-routine maintenance activities include developing a Corps Water Management System Model (\$110,000) and removing vegetation from dikes 1 and 3 (\$75,000). These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

RC: \$3,085,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance.

RC-SUS15: \$193,000 will be used to replace galvanized waterlines and electric feeder lines. **2/**

H: \$2,117,000 – Funds will be used for critical routine operation and maintenance for hydropower generations and power plant equipment; routine operations and maintenance of joint operations of power plant and dam components; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance by increasing unit availability, thus reducing long-term forced outages, provide for additional revenue to the Treasury, and improve hydrological modernization initiative priority activities.

EN: \$1,083,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections. Update of the Beaver Lake Master Plan (\$500,000) is a non-routine activity.

WS: \$26,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Beaver Lake has more than \$85,083,000 in cumulative flood damages prevented. Over 2,643,000 recreation visits, with a local economic impact of more than \$72,623,000, took place in FY 2010; visitation in FY 2012 was 2,457,662. Hydropower generating capacity is 112 MW, with average annual benefits of \$23,198,200, serving 41,483 consumers

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$34 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY15 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Southwestern

District: Little Rock

Beaver Lake, AR

24 March 2014

SWD-3

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Blue Mountain Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: The project is located in Logan and Yell Counties of Arkansas. Blue Mountain Lake is located in the Arkansas River Basin on the Petit Jean River, near Waveland, Arkansas. The primary purpose of the project is flood risk management. The project also offers excellent recreational opportunities.

ALLOCATION FOR FY 2014: \$1,890,000

BUDGETED AMOUNT FOR FY 2015: M: \$504,000 O: \$1,423,000 T: \$1,927,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,402,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of tractor gates, hoists, and overhead bridge crane. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

RC: \$388,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance.

H: N/A

EN: \$129,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$8,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Blue Mountain Lake has more than \$43,709,000 in cumulative flood damages prevented. Over 208,000 recreation visits, with a local economic impact of more than \$5,831,000, took place in FY 2010; visitation in FY 2012 was 405,025.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$19 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bull Shoals Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Bull Shoals Lake is located in Marion, Baxter and Boone Counties of Arkansas and Ozark and Taney Counties of Missouri. Bull Shoals is a multi-purpose project with functional capabilities for hydropower and flood risk management. The project contains eight hydropower generating units with a total installed capacity of 340 MW.

ALLOCATION FOR FY 2014: \$11,448,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,283,000 O: \$6,276,000 T: \$7,559,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,810,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of tainter gates, sluice gates, overhead crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

RC: \$1,768,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

H: \$3,542,000 – Funds will be used for critical routine operation and maintenance for hydropower generations and power plant equipment; routine operations and maintenance of joint operations of power plant and dam components; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages, provide revenue to the Treasury, and improve hydrological modernization initiative priority activities.

EN: \$425,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$14,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Bull Shoals Lake has more than \$273,459,000 in cumulative flood damages prevented. Over 3,730,000 recreation visits, with a local economic impact of more than \$106,784,000, took place in FY 2010; visitation in FY 2012 was 2,556,119. Hydropower generating capacity is 340 MW, with average annual benefits of \$81,899,800, serving 189,325 consumers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$153 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dardanelle Lock & Dam, AR

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: This project is located in Pope, Logan, Johnson and Yell Counties of Arkansas. Dardanelle Lock and Dam are located on the McClellan-Kerr Arkansas River Navigation System and the project purposes include hydropower and navigation. The project contains four 35 MW hydropower generator units.

ALLOCATION FOR FY 2014: \$9,672,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,566,000 O: \$7,596,000 T: \$9,162,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,807,000 – Funds will be used for critical routine operation and maintenance for navigation required for pool regulation and lock operations. These funds would improve navigation performance by increasing the availability and reliability of the system and provide for decreased future repair costs due to continual deferred maintenance.

FRM: \$281,000 – Funds will be used for critical routine operation and maintenance of pump station, service facilities and permanent operating equipment to meet basic flood risk management mission. These funds would improve flood risk management performance by reducing the risk of failure, provide increased efficiency, and lower future repair costs.

RC: \$1,729,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; water management of water control data systems; and operation and maintenance of visitor center.

H: \$4,145,000 – Funds will be used for critical routine operation and maintenance for hydropower generations and power plant equipment; routine operations and maintenance of joint operations of power plant and dam components; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages, provide revenue to the Treasury, and improve hydrological modernization initiative priority activities.

EN: \$192,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$8,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Over 1,288,000 recreation visits, with a local economic impact of more than \$39,284,000, took place in FY 2010; visitation in FY 2012 was 1,304,569. Hydropower generating capacity is 140 MW, with average annual benefits of \$47,122,600, serving 147,843 consumers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$50 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: DeQueen Lake, AR

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: DeQueen Lake is located on the Rolling Fork River, in Sevier County, approximately four miles northwest of DeQueen, Arkansas. The project's primary purposes are flood risk management, water supply, recreation and environmental stewardship.

ALLOCATION FOR FY 2014: \$1,883,000

BUDGETED AMOUNT FOR FY 2015: M: \$548,000 O: \$1,364,000 T: \$1,912,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,462,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of tractor slide gates, hoists, overhead bridge crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

RC: \$396,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

H: N/A

EN: \$46,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$8,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: DeQueen Lake has more than \$16,442,000 in cumulative flood damages prevented. Over 135,000 recreation visits, with a local economic impact of more than \$4,484,000, took place in FY 2010; visitation in FY 2012 was 112,250.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Dierks Lake, AR

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Dierks Lake is located on the Saline River in Howard and Sevier Counties, Dierks, Arkansas. The project's primary purposes are flood risk management, water supply, recreation and environmental stewardship.

ALLOCATION FOR FY 2014: \$1,620,000

BUDGETED AMOUNT FOR FY 2015: M: \$502,000 O: \$1,129,000 T: \$1,631,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,128,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of tractor slide gates, hoists, overhead bridge crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

RC: \$445,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

H: N/A

EN: \$50,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$8,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Dierks Lake has more than \$11,635,000 in cumulative flood damages prevented. Over 134,000 recreation visits, with a local economic impact of more than \$4,211,000, took place in FY 2010; visitation in FY 2012 was 194,683.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Gillham Lake, AR

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Gillham Lake is located on the Cossatot River, in Howard County, approximately six miles northeast of Gillham, Arkansas. The project's primary purposes are flood risk management, water supply, recreation and environmental stewardship.

ALLOCATION FOR FY 2014: \$1,718,000

BUDGETED AMOUNT FOR FY 2015: M: \$470,000 O: \$1,039,000 T: \$1,509,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,101,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of tractor slide gates, hoists, overhead bridge crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

RC: \$357,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

H: N/A

EN: \$43,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$8,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Gillham Lake has more than \$23,995,000 in cumulative flood damages prevented. Over 93,000 recreation visits, with a local economic impact of more than \$2,739,000, took place in FY 2010; visitation in FY 2012 was 82,698.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Greers Ferry Lake, AR

AUTHORIZATION: Flood Control Act of 1938 as amended by the Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: Greers Ferry Lake is located on the Little Red River in Cleburne and Van Buren Counties, Heber Springs, Arkansas. Greers Ferry is one of the five multiple purpose projects in the White River Basin and was constructed for the generation of hydropower and flood risk management. The project contains two 48 MW hydropower generating units.

ALLOCATION FOR FY 2014: \$7,581,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,027,000 O: \$6,245,000 T: \$7,272,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,580,000 – Funds will be used for critical routine operation of the dam, reservoir, service facilities and permanent operating equipment; inspection and maintenance of structures, tainter gates, sluice gates, overhead crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

RC: \$2,987,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance.

H: \$2,206,000 – Funds will be used for critical routine operation and maintenance for hydropower generations and power plant equipment; routine operations and maintenance of joint operations of power plant and dam components; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages, provide revenue to the Treasury, and improve hydrological modernization initiative priority activities.

EN: \$214,000 – Funds will be used for routine operations and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$285,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments. Preparation of a water supply reallocation report (\$250,000) is a non-routine activity.

OTHER INFORMATION: Greers Ferry Lake has more than \$45,583,000 in cumulative flood damages prevented. Over 7,283,000 recreation visits, with a local economic impact of more than \$191,114,000, took place in FY 2010; visitation in FY 2012 was 7,391,579. Hydropower generating capacity is 96 MW, with average annual benefits of \$21,876,900, serving 45,583 consumers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$67 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Millwood Lake, AR

AUTHORIZATION: Flood Control Act of 1946 as modified by the Flood Control Act of 1958

LOCATION AND DESCRIPTION: Millwood Lake is located on the Little River, approximately seven miles east of Ashdown, Arkansas. The lake was constructed for the primary purpose of flood risk management. The project also offers excellent recreational opportunities.

ALLOCATION FOR FY 2014: \$2,679,000

BUDGETED AMOUNT FOR FY 2015: M: \$725,000 O: \$1,966,000 T: \$2,691,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,846,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of tractor slide gates, hoists, overhead bridge crane, and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

RC: \$691,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

H: N/A

EN: \$122,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$32,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Millwood Lake has more than \$24,588,000 in cumulative flood damages prevented. Over 461,000 recreation visits, with a local economic impact of more than \$16,311,000, took place in FY 2010; visitation in FY 2012 was 360,046.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$94 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: McClellan-Kerr Arkansas River Navigation System, AR

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: The 445-mile long McClellan-Kerr Arkansas River Navigation System consists of 18 locks and dams, providing a 9-foot deep inland navigation channel from the Mississippi River to Catoosa, Oklahoma. The system includes the Arkansas, White and Verdigris Rivers, and the authorized purposes include navigation, environmental stewardship and recreation.

ALLOCATION FOR FY 2014: \$30,362,000

BUDGETED AMOUNT FOR FY 2015: M: \$14,531,000 O: \$13,022,000 T: \$27,553,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$23,065,000 – Funds will be used for critical routine operation and maintenance for navigation required for pool regulation and lock operations; critical fleet maintenance support; perform failure diagnostics and repairs; and channel maintenance to include dredging. Non-routine maintenance activities include replacing dam control wiring (\$582,000), and replacing gudgeon pins and bushings at Montgomery Point Lock and Dam (\$1,400,000). These funds would improve navigation performance by increasing the availability and reliability of the system and provide for decreased future repair costs due to continual deferred maintenance.

FRM: N/A

RC: \$4,162,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; and water management of water control data systems.

H: N/A

EN: \$326,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: N/A

OTHER INFORMATION: The McClellan-Kerr Arkansas River Navigation System has more than \$1,899,168,000 in cumulative flood damages prevented. Over 3,590,000 recreation visits, with a local economic impact of more than \$106,378,000, took place in FY 2010; visitation in FY 2012 was 3,038,120.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$341 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Nimrod Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: The project is located in Yell and Perry Counties, Arkansas. Nimrod Lake is located on the Fourche LaFave River, approximately nine miles southeast of Plainview, Arkansas. There are 680 square miles of drainage area above the dam. The primary purpose of the project is flood risk management. The project also offers excellent recreational opportunities.

ALLOCATION FOR FY 2014: \$1,996,000

BUDGETED AMOUNT FOR FY 2015: M: \$599,000 O: \$1,564,000 T: \$2,163,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,478,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of 2 Howell-Bunger valves, sluice (slide) gates, hoists, overhead crane. Development of a Corps Water Management System Model (\$80,000) is a non-routine activity. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, and providing for increased efficiency and lower future repair costs.

RC: \$440,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; environmental compliance; and water management of water control data systems.

H: N/A

EN: \$237,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$8,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Nimrod Lake has more than \$35,511,000 in cumulative flood damages prevented. Over 267,000 recreation visits, with a local economic impact of more than \$7,897,000, took place in FY 2010; visitation in FY 2012 was 226,048.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$12 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Norfolk Lake, AR

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Norfolk Lake is located in Baxter County, Arkansas and Ozark County, Missouri. Norfolk Lake is one of the five multiple-purpose projects in the White River Basin constructed for flood risk management and the generation of hydropower. The project contains two 40.25 MW hydropower generation units.

ALLOCATION FOR FY 2014: \$8,066,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,319,000 O: \$4,818,000 T: \$6,137,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,848,000 – Funds will be used for critical routine operation and maintenance for flood risk management; routine maintenance of 12 tainter gates, sluice gates, overhead crane, and emergency generator; and critical routine operation and maintenance for the joint costs associated with the dam, powerplant and project. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide for increased efficiency, and lower future repair costs.

RC: \$1,278,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; and water management of water control data systems.

H: \$2,756,000 – Funds will be used for critical routine operation and maintenance for hydropower generations and power plant equipment; routine operations and maintenance of joint operations of power plant and dam components; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages and provide revenue to the Treasury.

EN: \$246,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: \$9,000 – Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Norfolk Lake has more than \$83,282,000 in cumulative flood damages prevented. Over 1,497,000 recreation visits, with a local economic impact of more than \$48,793,000, took place in FY 2010; visitation in FY 2012 was 1,174,827. Hydropower generating capacity is 80.5 MW, with average annual benefits of \$17,886,400, serving 44,377 consumers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$75 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ozark-Jeta Taylor Lock & Dam, AR

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: This project is located in Franklin, Johnson, and Crawford Counties, Arkansas. Ozark-Jeta Taylor Lock and Dam is located on the McClellan-Kerr Arkansas River Navigation System and the project purposes include recreation, hydropower, and navigation. The project contains five inclined axis 20 MW hydropower generator units.

ALLOCATION FOR FY 2014: \$6,224,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,149,000 O: \$5,227,000 T: \$6,376,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$1,969,000 – Funds will be used for critical routine operation and maintenance for navigation required for pool regulation and lock operations. These funds would improve navigation performance by increasing the availability and reliability of the system and provide for decreased future repair costs due to continual deferred maintenance.

FRM: N/A

RC: \$1,386,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; and water management of water control data systems.

H: \$2,936,000 – Funds will be used for critical routine operation and maintenance for hydropower generations and power plant equipment; routine operations and maintenance of joint operations of power plant and dam components; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages, provide revenue to the Treasury, and improve hydrological modernization initiative priority activities.

EN: \$85,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: N/A

OTHER INFORMATION: Over 551,000 recreation visits, with a local economic impact of more than \$16,033,000, took place in FY 2010; visitation in FY 2012 was 519,159. Hydropower generating capacity is 100 MW, with average annual benefits of \$34,875,200, serving 103,466 consumers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$34 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

KANSAS

APPROPRIATION TITLE: Operations and Maintenance

PROJECT NAME: Council Grove Lake, KS

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: Council Grove Lake is located on the Grand (Neosho) River at river mile 449.5, 1.5 miles northwest of Council Grove in Morris County, Kansas. This is a multi-purpose project with flood control, water supply, water quality control, and recreation outputs. The project is a 6,500 foot long earth embankment with an uncontrolled spillway. At conservation pool the lake covers 3,259 acres.

ALLOCATION FOR FY 2014: \$1,840,000

BUDGETED AMOUNT FOR FY 2015: M: \$462,000 O: \$1,303,000 T: \$1,765,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,104,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

FRM-SUS15: \$65,000 will be used to undertake energy savings upgrades at the project office (e.g. additional insulation, new energy efficient windows, new energy efficient lighting) to increase the energy sustainability of the project. 2/

RC: \$603,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

H: N/A

EN: \$47,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1964, Council Grove Lake has more than \$175,000,000 in cumulative flood damages prevented. Over 407,000 recreation visits with a local economic impact of more than \$9,300,000 took place at Council Grove Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$8 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: El Dorado Lake, KS

AUTHORIZATION: Flood Control Act of 1965

LOCATION AND DESCRIPTION: El Dorado Lake is located at river mile 114.7 on the Walnut River, a tributary of the Arkansas River, about 2 miles northeast of the town of El Dorado in Butler County, Kansas. This is a multi-purpose project with flood control, water supply, water quality control, and recreation outputs. The project consists of a 20,850 foot long earth embankment with spillway. At conservation pool the lake covers 7,997 acres.

ALLOCATION FOR FY 2014: \$1,001,000

BUDGETED AMOUNT FOR FY 2015: M: \$316,000 O: \$634,000 T: \$950,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$860,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$41,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

H: N/A

EN: \$41,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1981, El Dorado Lake has more than \$286,000,000 in cumulative flood damages prevented. Over 1,050,000 recreation visits with a local economic impact of more than \$26,400,000 took place at El Dorado Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$198 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Elk City Lake, KS

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Elk City Lake is located on the Elk River at river mile 8.7, about 7 miles east of the town of Elk City in Montgomery County, Kansas. This is a multi-purpose project with flood control, water supply, water quality, recreation, and fish and wildlife outputs. The project consists of a 4,840 foot earth embankment with an uncontrolled spillway, 16 foot conduit, and stilling basin. At conservation pool the lake covers 4,118 acres.

ALLOCATION FOR FY 2014: \$1,096,000

BUDGETED AMOUNT FOR FY 2015: M: \$265,000 O: \$818,000 T: \$1,083,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$864,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$153,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

H: N/A

EN: \$55,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1966, Elk City Lake has more than \$470,000,000 in cumulative flood damages prevented. Over 130,000 recreation visits with a local economic impact of more than \$3,200,000 took place at Elk City Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$84 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fall River Lake, KS

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Fall River Lake is located on the Fall River at river mile 54.2, about 4 miles northwest of the town of Fall River in Greenwood County, Kansas. This is a multi-purpose project with flood control, water quality, fish and wildlife, and supplemental water supply outputs. The project consists of a 5,455 foot long earth embankment with a gate weir and two tainter gates. At conservation pool the lake covers 2,350 acres.

ALLOCATION FOR FY 2014: \$1,180,000

BUDGETED AMOUNT FOR FY 2015: M: \$227,000 O: \$837,000 T: \$1,064,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$773,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$261,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

H: N/A

EN: \$30,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Since construction in 1949, Fall River Lake has more than \$475,000,000 in cumulative flood damages prevented. Over 141,000 recreation visits with a local economic impact of more than \$3,300,000 took place at Fall River Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$12 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: John Redmond Dam and Reservoir, KS

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: John Redmond Dam and Reservoir is located on the Grand (Neosho) River at river mile 343.7, 3 miles northwest of the town of Burlington in Coffey County, Kansas. This is a multi-purpose project with flood control, water supply, water quality control, and recreation outputs. The project is additionally operated for wildlife objectives. The project consists of a 21,790 foot long structure made up of an earth-filled embankment and a gated ogee weir, concrete spillway with fourteen 40 by 35 foot high tainter gates located in the left abutment. At conservation pool the lake covers 8,084 acres.

ALLOCATION FOR FY 2014: \$1,549,000

BUDGETED AMOUNT FOR FY 2015: M: \$648,000 O: \$1,231,000 T: \$1,879,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,356,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

FRM-SUS15: \$300,000 will be used to install a hydro-turbine generator to the outlet of the existing low flow valve to help meet energy sustainability goals. 2/

RC: \$303,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

H: N/A

EN: \$203,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities. Budgeted non-routine maintenance will consist of revising the project master plan (\$100,000).

WS: \$11,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1964, John Redmond Dam and Reservoir has more than \$740,000,000 in cumulative flood damages prevented. Over 110,000 recreation visits with a local economic impact of more than \$2,500,000 took place at John Redmond Dam and Reservoir in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$34 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Southwestern

District: Tulsa

Project Name: John Redmond
Dam and Reservoir, KS

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Marion Lake, KS

AUTHORIZATION: Flood Control Act of 1950

LOCATION AND DESCRIPTION: Marion Lake is located on the Cottonwood River at river mile 126.7, about 3 miles northwest of the town of Marion in Marion County, Kansas. This is a multi-purpose project with flood control, water supply, water quality, and recreation outputs. The project consists of an 8,375 foot long rolled earth-filled embankment with a gate-controlled, concrete gravity ogee weir containing three 40 by 40 foot tainter gates. At conservation pool the lake covers 6,210 acres.

ALLOCATION FOR FY 2014: \$2,060,000

BUDGETED AMOUNT FOR FY 2015: M: \$728,000 O: \$1,269,000 T: \$1,997,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,237,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance will consist of replacing the spillway generator (\$70,000).

RC: \$720,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

H: N/A

EN: \$29,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1968, Marion Lake has more than \$345,000,000 in cumulative flood damages prevented. Over 402,000 recreation visits with a local economic impact of more than \$9,900,000 took place at Marion Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$16 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pearson-Skubitz Big Hill Lake, KS

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Pearson-Skubitz Big Hill Lake is located at river mile 33.3 on Big Hill Creek, a tributary of the Verdigris River, about 4.5 miles east of the town of Cherryvale in Labette County, Kansas. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of a rolled earth-filled embankment that is 3,902 feet long with a broad crested weir and two drop inlet structures. At conservation pool the lake covers 1,240 acres.

ALLOCATION FOR FY 2014: \$1,368,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,536,000 O: \$1,117,000 T: \$3,653,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,952,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance will consist of repairing the service gates, seals, and associated equipment (\$2,100,000).

RC: \$626,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and break-down maintenance.

H: N/A

EN: \$67,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1981, Pearson-Skubitz Big Hill Lake has more than \$60,000,000 in cumulative flood damages prevented. Over 148,000 recreation visits with a local economic impact of more than \$3,700,000 took place at Pearson-Skubitz Big Hill Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$1 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Southwestern

District: Tulsa

Project Name: Pearson-Skubitz
Big Hill Lake, KS

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Toronto Lake, KS

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Toronto Lake is located on the Verdigris River at river mile 271.5, about 4 miles southeast of the town of Toronto in Woodson County, Kansas. This is a multi-purpose project with flood control, water supply, water quality, fish and wildlife, and recreation outputs. The project consists of a rolled impervious and random earth-filled embankment that is 4,712 feet long with a gate-controlled, concrete, gravity, ogee weir with eight 40 by 25 foot tainter gates. At conservation pool the lake covers 2,660 acres.

ALLOCATION FOR FY 2014: \$887,000

BUDGETED AMOUNT FOR FY 2015: M: \$175,000 O: \$540,000 T: \$715,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$650,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$24,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$30,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1960, Toronto Lake has more than \$490,000,000 in cumulative flood damages prevented. Over 138,000 recreation visits with a local economic impact of more than \$3,400,000 took place at Toronto Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$116 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

MISSOURI

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Clearwater Lake, MO

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Clearwater Lake is located near Piedmont, Missouri, in Reynolds and Wayne Counties. There are 898 square miles of drainage area above the dam. The primary purpose is flood risk management, but the project also provides environmental and recreation outputs.

ALLOCATION FOR FY 2014: \$4,918,000

BUDGETED AMOUNT FOR FY 2015: M: \$852,000 O: \$2,464,000 T: \$3,316,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,210,000 – Funds will be used for critical routine operation of dam, reservoir, service facilities and permanent operating equipment; inspection of structures and equipment; and maintenance of tractor gates, hoists, overhead bridge crane and emergency generator. These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

RC: \$982,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance.

H: N/A

EN: \$124,000 – Funds will be used for routine operation and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections.

WS: N/A

OTHER INFORMATION: Clearwater Lake has more than \$278,363,000 in cumulative flood damages prevented. Over 466,000 recreation visits, with a local economic impact of more than \$15,312,000, took place in FY 2010; visitation in FY 2012 was 477,152.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Table Rock Lake, MO & AR

AUTHORIZATION: Flood Control Act of 1938 as amended by the Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: Table Rock Lake is located in Branson, Missouri and is one of five multiple-purpose projects within the White River Basin. The primary purposes of the lake are power generation flood risk management and recreation. The project contains four 50 MW hydropower generator units.

ALLOCATION FOR FY 2014: \$8,499,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,255,000 O: \$7,354,000 T: \$9,609,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,734,000 – Funds will be used for critical routine operation and maintenance; inspection and maintenance of structures and equipment; routine operation of dam, reservoir, service facilities and permanent operating equipment; critical routine operations and maintenance for the joint costs associated with the dam, powerplant and project; and maintenance of tainter gates, sluice gates, overhead crane, and emergency generator. Non-routine maintenance activities include developing a Corps Water Management System Model (\$110,000), inspecting and cleaning clogged foundation drains (\$300,000), and providing access for tainter gate controls (\$600,000). These funds would improve flood risk management performance by reducing the risk of failure, flooding, loss of life and environmental damage, provide increased efficiency, and lower future repair costs.

RC: \$2,307,000 – Funds will be used for routine operation and maintenance for recreation; implementation of law enforcement agreements; perform water management analysis (control and quality); real estate management; and environmental compliance; water management of water control data systems; and operation and maintenance of a visitor center.

H: \$3,488,000 – Funds will be used for critical routine operation and maintenance for hydropower generations and power plant equipment; routine operations and maintenance of joint operations of power plant and dam components; and compliance with NERC/FERC reliability standards. These funds would improve hydropower performance, reduce loss of power production, increase unit availability, reduce the chance of long term outages, provide revenue to the Treasury, and improve hydrological modernization initiative priority activities.

EN: \$1,080,000 – Funds will be used for routine operations and maintenance for environmental stewardship; improve acres of habitat; maintain boundary line; and daily management of facilities, natural resources, special status species, invasive species, and environmental compliance inspections. Update of the Table Rock Lake Shoreline Management Plan (\$400,000) is a non-routine activity.

WS: N/A

OTHER INFORMATION: Table Rock Lake has more than \$210,792,000 in cumulative flood damages prevented. Over 4,792,000 recreation visits, with a local economic impact of more than \$120,840,000, took place in FY 2010; visitation in FY 2012 was 3,772,948. Hydropower generating capacity is 200 MW, with average annual benefits of \$51,085,000, serving 119,383 consumers.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$93 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

OKLAHOMA

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Arcadia Lake, OK

AUTHORIZATION: Flood Control Act of 1970

LOCATION AND DESCRIPTION: Arcadia Lake is located on the Deep Fork River at river mile 218.3, in the metropolitan area of Oklahoma City and Edmond in Oklahoma County, Oklahoma. This is a multi-purpose project with flood control, water supply, and recreation outputs. The project consists of a 5,250 foot long rolled earth-filled embankment with an uncontrolled saddle spillway and 7 by 10 foot conduit controlled by two conduit gates. At conservation pool the lake covers 1,820 acres.

ALLOCATION FOR FY 2014: \$617,000

BUDGETED AMOUNT FOR FY 2015: M: \$133,000 O: \$276,000 T: \$409,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$340,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$40,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$21,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1986, Arcadia Lake has more than \$29,000,000 in cumulative flood damages prevented. Over 619,000 recreation visits with a local economic impact of more than \$15,000,000 took place at Arcadia Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$12 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Birch Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Birch Lake is located at river mile 0.8 on Birch Creek, a tributary of Bird Creek, about 1.5 miles south of the town of Barnsdall in Osage County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality control, recreation, and fish and wildlife outputs. The project consists of a 3,193 foot long rolled earth-filled embankment with an uncontrolled spillway and 7.5 by 10 foot conduit controlled by two slide gates. At conservation pool the lake covers 1,137 acres.

ALLOCATION FOR FY 2014: \$718,000

BUDGETED AMOUNT FOR FY 2015: M: \$133,000 O: \$645,000 T: \$778,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$579,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$179,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$20,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Since construction in 1977, Birch Lake has more than \$126,000,000 in cumulative flood damages prevented. Over 61,000 recreation visits with a local economic impact of more than \$1,500,000 took place at Birch Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$59 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Broken Bow Lake, OK

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Broken Bow Lake is located on the Mountain Fork River, a tributary of the Little River, at river mile 20.3, approximately 9 miles northeast of the town of Broken Bow in McCurtain County, Oklahoma. This is a multi-purpose project with flood control, hydroelectric power, water supply, recreation, and fish and wildlife outputs. The project consists of a 2,750 foot long rolled earth-filled embankment with a concrete ogee weir controlled spillway and two 50,000 kW generators. At conservation pool the lake covers 14,200 acres.

ALLOCATION FOR FY 2014: \$5,707,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,713,000 O: \$1,562,000 T: \$3,275,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,230,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance consists of investigating conditions to seal the old construction diversion tunnel (\$500,000).

RC: \$123,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: \$1,846,000 will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment; performing preventative, routine, and limited breakdown maintenance on equipment; and inspecting equipment for suitability of service.

EN: \$65,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 will be used for monitoring of water usage; management of current water storage agreements; and tracking water storage contract billing and payments.

OTHER INFORMATION: Since construction in 1970, Broken Bow Lake has more than \$85,000,000 in cumulative flood damages prevented. Over 933,000 recreation visits with a local economic impact of more than \$21,860,000 took place at Broken Bow Lake in FY2010. The cold water fishery below Broken Bow Lake is one of the premier brown and rainbow trout streams in the south-central United States.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$22 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Canton Lake, OK

AUTHORIZATION: Flood Control Act of 1938, Flood Control Act of 1946, Flood Control Act of 1948, and the Water Resources Development Act of 1990

LOCATION AND DESCRIPTION: Canton Lake is located on the North Canadian River at river mile 394.3, about 2 miles north of the town of Canton in Blaine County, Oklahoma. This is a multi-purpose project with flood control, water supply, and irrigation outputs. The project consists of a 15,140 foot long rolled earth-filled embankment with a 640 foot gated concrete spillway that rises to a maximum height of 68 feet. Spillway discharges are controlled by sixteen 40 by 25 foot tainter gates. At conservation pool the lake covers 7,910 acres.

ALLOCATION FOR FY 2014: \$ 2,171,000

BUDGETED AMOUNT FOR FY 2015: M: \$694,000 O: \$1,505,000 T: \$2,199,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,117,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$1,041,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

RC-SUS15: \$20,000 will be used to install a solar electric system to one restroom at the Sandy Cove recreation area to improve energy sustainability. 2/

H: N/A

EN: \$33,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1948, Canton Lake has more than \$103,000,000 in cumulative flood damages prevented. Over 760,000 recreation visits with a local economic impact of more than \$19,785,000 took place at Canton Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$17 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Southwestern

District: Tulsa

Project Name: Canton Lake, OK

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Copan Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Copan Lake is located at river mile 7.4 on the Little Caney River, a tributary of the Caney River, about 9 miles north of the town of Bartlesville in Washington County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality control, recreation, and fish and wildlife outputs. The project consists of a 7,730 foot long rolled earth-filled embankment with a gate controlled, concrete, gravity ogee weir with four 50 by 35 foot tainter gates. At conservation pool the lake covers 4,449 acres.

ALLOCATION FOR FY 2014: \$860,000

BUDGETED AMOUNT FOR FY 2015: M: \$3,660,000 O: \$882,000 T: \$4,542,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$4,298,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance will consist of repairing four tainter gates and associated trunnions and tie back beams, and replacing the tainter gate wire ropes (\$3,300,000).

RC: \$208,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$28,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1983, Copan Lake has more than \$847,000,000 in cumulative flood damages prevented. Over 73,000 recreation visits with a local economic impact of more than \$2,000,000 took place at Copan Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$9 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Eufaula Lake, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: Eufaula Lake is located on the Canadian River at river mile 27.0, about 12 miles east of the town of Eufaula in McIntosh County, Oklahoma. This is a multi-purpose project with flood control, water supply, hydroelectric power, and navigation outputs. The project consists of a 3,300 foot long rolled earth-filled embankment with a concrete, gravity ogee weir controlled spillway with eleven 40 by 32 foot tainter gates. The project contains three hydropower generator units. At conservation pool the lake covers 105,500 acres.

ALLOCATION FOR FY 2014: \$8,491,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,704,000 O: \$4,057,000 T: \$5,761,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$55,000 will be used for limited operations and maintenance of structures for navigation water releases for the McClellan-Kerr Arkansas River Navigation System.

FRM: \$1,421,000 will be used for critical routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: \$2,017,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: \$1,838,000 will be used for critical routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment and improving hydrological modernization initiative priority activities.

EN: \$320,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$110,000 will be used for monitoring of water usage; management of current water storage agreements; and tracking water storage contract billing and payments.

OTHER INFORMATION: Since construction in 1964, Eufaula Lake has more than \$500,000,000 in cumulative flood damages prevented. Over 2,295,000 recreation visits with a local economic impact of more than \$59,400,000 took place at Eufaula Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$62 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fort Gibson Lake, OK

AUTHORIZATION: Flood Control Act of 1941, River and Harbor Act of 1946, and the Water Resources Development Act of 1986

LOCATION AND DESCRIPTION: Fort Gibson Lake is located on the Grand (Neosho) River at river mile 7.7 about 12 miles northeast of the town of Muskogee in Mayes, Wagoner, and Cherokee Counties, Oklahoma. This is a multi-purpose project with flood control and hydroelectric power outputs. The project consists of a 2,990 foot long rolled earth-filled embankment which includes the concrete, gravity ogee weir controlled spillway and the powerhouse intake structure. The spillway is equipped with thirty 40 by 35 foot tainter gates, while the powerhouse contains four 11,250kW hydropower generator units. At conservation pool the lake covers 19,900 acres.

ALLOCATION FOR FY 2014: \$6,564,000

BUDGETED FOR FY 2015: M: \$1,924,000 O: \$4,142,000 T: \$6,066,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,149,000 will be used for critical routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$1,627,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: \$3,198,000 will be used for critical routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment.

EN: \$92,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Since construction in 1949, Fort Gibson Lake has more than \$390,000,000 in cumulative flood damages prevented. Over 1,972,000 recreation visits with a local economic impact of more than \$46,700,000 took place at Fort Gibson Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$95 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Fort Supply Lake, OK

AUTHORIZATION: Flood Control Act of 1936

LOCATION AND DESCRIPTION: Fort Supply Lake is located at river mile 5.5 on Wolf Creek, a tributary of the North Canadian River, about 12 miles northwest of the town of Woodward in Woodward County, Oklahoma. This is a multi-purpose project with flood control and conservation storage (water supply) outputs. The project consists of an 11,865 foot long rolled earth-filled embankment with an uncontrolled, concrete, chute-type spillway. Spillway discharges are controlled by three 7 by 16 foot vertical lift gates. At conservation pool the lake covers 1,820 acres.

ALLOCATION FOR FY 2014: \$874,000

BUDGETED AMOUNT FOR FY 2015: M: \$204,000 O: \$692,000 T: \$896,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$444,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$428,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

REC-SUS15: \$20,000 will be used to install a solar electric system at a park restroom to help meet energy sustainability goals.

H: N/A

EN: \$23,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Since construction in 1942, Fort Supply Lake has more than \$41,000,000 in cumulative flood damages prevented. Over 302,000 recreation visits with a local economic impact of more than \$6,900,000 took place at Fort Supply Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$137 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

AUTHORIZATION TITLE: Operation and Maintenance

PROJECT NAME: Great Salt Plains Lake, OK

AUTHORIZATION: Flood Control Act of 1936

LOCATION AND DESCRIPTION: Great Salt Plains Lake is located on the Salt Fork of the Arkansas River at river mile 103.3 about 12 miles east of the town of Cherokee in Alfalfa County, Oklahoma. This is a multi-purpose project with flood control, conservation, recreation, and fish and wildlife outputs. The project consists of a rolled earth-filled embankment and concrete spillway having a total crest length of 6,010 feet and rising to a maximum height of 68 feet above the streambed. At top of the flood control pool, the lake covers 25,660 acres.

ALLOCATION FOR FY 2014: \$372,000

BUDGETED AMOUNT FOR FY 2015: M: \$119,000 O: \$221,000 T: \$340,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$285,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$34,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$21,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Since construction in 1941, Great Salt Plains Lake has more than \$247,000,000 in cumulative flood damages prevented. Over 198,000 recreation visits with a local economic impact of more than \$7,800,000 took place at Great Salt Plains Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$7 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Heyburn Lake, OK

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Heyburn Lake is located at river mile 48.6 on Polecat Creek, a tributary of the Arkansas River, about 11 miles southwest of the town of Sapulpa in Creek County, Oklahoma. This is a multi-purpose project with flood control and conservation (water supply, recreation, and fish and wildlife) outputs. The project consists of a 2,920 foot long rolled earth-filled embankment with an uncontrolled spillway. At conservation pool the lake covers 877 acres.

ALLOCATION FOR FY 2014: \$590,000

BUDGETED AMOUNT FOR FY 2015: M: \$211,000 O: \$462,000 T: \$673,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$373,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$240,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$46,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$14,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1950, Heyburn Lake has more than \$64,000,000 in cumulative flood damages prevented. Over 136,000 recreation visits with a local economic impact of more than \$3,200,000 took place at Heyburn Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$11 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hugo Lake, OK

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Hugo Lake is located on the Kiamichi River at river mile 17.6, about 7 miles east of the town of Hugo in Choctaw County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality, recreation, and fish and wildlife outputs. The project consists of a 10,200 foot long rolled earth-filled embankment with a gate controlled, concrete gravity ogee weir spillway with six 40 by 50 foot gates. At conservation pool the lake covers 13,144 acres.

ALLOCATION FOR FY 2014: \$2,837,000

BUDGETED AMOUNT FOR FY 2015: M: \$293,000 O: \$1,535,000 T: \$1,828,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$908,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$786,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$117,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$17,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1974, Hugo Lake has more than \$152,000,000 in cumulative flood damages prevented. Over 402,000 recreation visits with a local economic impact of more than \$9,800,000 took place at Hugo Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$21 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hulah Lake, OK

AUTHORIZATION: Flood Control Act of 1936

LOCATION AND DESCRIPTION: Hulah Lake is located at river mile 96.2 on the Caney River, a tributary of the Verdigris River, about 15 miles northwest of the town of Bartlesville in Osage County, Oklahoma. This is a multi-purpose project with flood control, water supply, low flow regulation, and conservation outputs. The project consists of a 10,200 foot long rolled earth-filled embankment with a gate controlled, concrete gravity ogee weir spillway with ten 40 by 25 foot tainter gates. At conservation pool the lake covers 3,120 acres.

ALLOCATION FOR FY 2014: \$866,000

BUDGETED AMOUNT FOR FY 2015: M: \$173,000 O: \$561,000 T: \$734,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$643,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$50,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$24,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$17,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1951, Hulah Lake has more than \$1,570,000,000 in cumulative flood damages prevented. Over 72,000 recreation visits with a local economic impact of more than \$1,700,000 took place at Hulah Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$112 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Kaw Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Kaw Lake is located on the Arkansas River at river mile 653.7, about 8 miles east of the town of Ponca City in Kay County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality, hydropower, recreation, and fish and wildlife outputs. The project consists of a 9,466 foot long rolled earth-filled embankment with a gate controlled, concrete gravity ogee weir spillway with eight 50 by 47 foot tainter gates. A single 37 kW generator operated by run of the river is located at the project. At conservation pool the lake covers 16,750 acres.

ALLOCATION FOR FY 2014: \$3,628,000

BUDGETED AMOUNT FOR FY 2015: M: \$588,000 O: \$1,656,000 T: \$2,244,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,358,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance actions consist of replacing the spillway generator (\$70,000).

RC: \$803,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$66,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$17,000 will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Since construction in 1977, Kaw Lake has more than \$945,000,000 in cumulative flood damages prevented. Over 216,000 recreation visits with a local economic impact of more than \$5,400,000 took place at Kaw Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$93 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Keystone Lake, OK

AUTHORIZATION: River and Harbor Act of 1950

LOCATION AND DESCRIPTION: Keystone Lake is located on the Arkansas River at river mile 538.8, about 15 miles west of Tulsa in Tulsa County, Oklahoma. This is a multi-purpose project with flood control, water supply, hydroelectric power, navigation, and fish and wildlife outputs. The project consists of a 4,600 foot long rolled earth-filled embankment with a concrete, gated ogee weir controlled spillway with eighteen 40 by 35 foot tainter gates. The project contains two 35,000 kW hydropower generator units. At conservation pool the lake covers 23,610 acres.

ALLOCATION FOR FY 2014: \$4,901,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,475,000 O: \$2,960,000 T: \$5,435,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$49,000 will be used for limited operations and maintenance of structures for navigation water releases for the McClellan-Kerr Arkansas River Navigation System.

FRM: \$2,416,000 will be used for critical operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$936,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: \$1,845,000 will be used for critical routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment, and improve hydrological modernization initiative priority activities.

EN: \$181,000 – Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities. Budgeted non-routine maintenance will consist of revising the project master plan (\$100,000).

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; and tracking water storage contract billing and payments.

OTHER INFORMATION: Since construction in 1964, Keystone Lake has more than \$1,510,000,000 in cumulative flood damages prevented. Over 1,081,000 recreation visits with a local economic impact of more than \$26,600,000 took place at Keystone Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$292 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: McClellan-Kerr Arkansas River Navigation System, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: The McClellan-Kerr Arkansas River Navigation System provides a route from the Mississippi River through Arkansas and Oklahoma to the head of navigation at the Port of Catoosa near Tulsa, Oklahoma. The navigation channel has a minimum depth of 9 feet and minimum widths of 250 feet on the Arkansas River and 150 feet on the Verdigris River. Total length of the Tulsa District portion of the system is 137 navigation miles. The three locks on the project have chambers that are 110 by 600 feet in size with 20 to 21 foot normal lifts.

ALLOCATION FOR FY 2014: \$11,094,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,292,000 O: \$4,063,000 T: \$5,355,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$5,025,000 will be used for routine operations and maintenance for navigation, including critical fleet maintenance support; channel dredging and upland disposal of dredged material; navigation portion of joint costs for dam safety data; implementation of risk reduction measures; and critical lock and dam inspections.

FRM: N/A

RC: \$292,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: N/A

EN: \$38,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Over 314,000 recreation visits with a local economic impact of more than \$7,300,000 took place at the Oklahoma portion of the McClellan-Kerr Arkansas River Navigation System in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$208 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Southwestern

District: Tulsa

Project Name: McClellan-Kerr Arkansas
River Navigation System, OK

PROJECT NAME: Oologah Lake, OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Oologah Lake is located on the Verdigris River at river mile 90.2, about 2 miles southeast of the town of Oologah in Rogers County, Oklahoma. This is a multi-purpose project with flood control, water supply, navigation, recreation, and fish and wildlife outputs. The project consists of a 4,000 foot long rolled earth-filled embankment with a gate controlled, modified concrete gravity ogee weir spillway with seven 40 by 21 foot high radial gates. At conservation pool the lake covers 31,043 acres.

ALLOCATION FOR FY 2014: \$4,947,000

BUDGETED AMOUNT FOR FY 2015: M: \$719,000 O: \$1,861,000 T: \$2,580,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,396,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$1,098,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$48,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$38,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1963, Oologah Lake has more than \$870,000,000 in cumulative flood damages prevented. Over 1,019,000 recreation visits with a local economic impact of more than \$24,400,000 took place at Oologah Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$55 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Optima Lake, OK

AUTHORIZATION: Flood Control Act of 1936 as amended by the Flood Control Act of 1950

LOCATION AND DESCRIPTION: Optima Lake is located on the North Canadian River at river mile 623.2, about 4.5 miles northeast of the town of Hardesty in Texas County, Oklahoma. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of a 16,900 foot long rolled earth-filled embankment with an uncontrolled emergency spillway. At conservation pool the lake covers 5,340 acres.

ALLOCATION FOR FY 2014: \$44,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,000 O: \$25,000 T: \$27,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$27,000 will be used for minimal maintenance and inspection of project structures as required by regulation and sound engineering judgment.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Funds are sufficient to ensure the safety, security, and integrity of the project. In order to reduce annual Civil Works O&M costs, 12,400 acres of the 13,250 acres of Federal lands at Optima Lake are being managed by the U.S. Fish and Wildlife Service and the Oklahoma Department of Wildlife Conservation under licensing and cooperative agreements.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$4 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pensacola Reservoir, Lake of the Cherokees, OK

AUTHORIZATION: Flood Control Act of 1941

LOCATION AND DESCRIPTION: Pensacola Reservoir, Lake of the Cherokees, is located on the Grand (Neosho) River at river mile 77.0 about 13 miles southeast of the town of Vinita in Mayes and Delaware Counties, Oklahoma. This is a multi-purpose project with hydroelectric power and flood control outputs. The project consists of a concrete, multiple-arch dam with gated spillways. The total length of the dam and spillways is 6,565 feet. The main spillway is equipped with twenty-one 36 by 25 foot tainter gates, while the two east spillways are equipped with twenty-one 37 by 15 foot tainter gates. A total of six 20,000 kW power generating units are located within the structure. At power pool the lake covers 46,500 acres.

ALLOCATION FOR FY 2014: \$145,000

BUDGET AMOUNT FOR FY 2015: M: \$2,000 O: \$136,000 T: \$138,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$138,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: This project was constructed by the Grand River Dam Authority, an Oklahoma State agency, in 1940. Operation of the flood control storage in the reservoir is the responsibility of the US Army Corps of Engineers in accordance with the provisions of Section 7 of the Flood Control Act of 1944.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$4 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Southwestern

District: Tulsa

Project Name: Pensacola Reservoir,
Lake of the Cherokees, OK

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pine Creek Lake, OK

AUTHORIZATION: Flood Control Act of 1958

LOCATION AND DESCRIPTION: Pine Creek Lake is located on the Little River at river mile 145.3, about 5 miles northwest of the town of Wright City in McCurtain County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality, fish and wildlife, and recreation outputs. The project consists of a 7,712 foot long rolled earth-filled embankment with an uncontrolled, gravity ogee weir spillway. At conservation pool the lake covers 3,750 acres.

ALLOCATION FOR FY 2014: \$1,266,000

BUDGETED AMOUNT FOR FY 2015: M: \$878,000 O: \$1,006,000 T: \$1,884,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,155,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance will consist of repairing the spillway bridge deck joints (\$350,000).

RC: \$359,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$362,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities. Budgeted non-routine activity will consist of conducting cultural resources investigations to support the planned dam safety repairs at the project (\$300,000).

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1969, Pine Creek Lake has more than \$109,000,000 in cumulative flood damages prevented. Over 274,000 recreation visits with a local economic impact of more than \$6,900,000 took place at Pine Creek Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Robert S. Kerr Lock and Dam and Reservoir, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: Robert S. Kerr Lock and Dam and Reservoir is located on the Arkansas River at navigation mile 336.2, about 8 miles south of the town of Sallisaw in LeFlore County, Oklahoma. This is a multi-purpose project with navigation, hydroelectric power, and recreation outputs. The project consists of a 7,230 foot long rolled earth-filled embankment with a concrete, gated ogee weir controlled spillway with eighteen 50 by 44 foot tainter gates. The lock is a single-lift Ohio River type with a 110 by 600 foot long chamber and a normal lift of 48 feet. The project contains four 27,500 kW hydropower generator units. At top of power pool the lake covers 43,796 acres.

ALLOCATION FOR FY 2014: \$7,748,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,475,000 O: \$3,615,000 T: \$6,090,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,554,000 will be used for routine operations and maintenance for navigation, including critical fleet maintenance support; channel dredging and upland disposal of dredged material; navigation portion of joint costs for dam safety data; implementation of risk reduction measures; and critical lock and dam inspections.

FRM: N/A

RC: \$383,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: \$2,986,000 will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment.

EN: \$167,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities. Budgeted non-routine activities will consist of revising the project Master Plan (\$100,000).

WS: N/A

OTHER INFORMATION: Over 311,000 recreation visits with a local economic impact of more than \$7,000,000 took place at Robert S. Kerr Lock and Dam and Reservoir in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$64 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sardis Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Sardis Lake is located at river mile 2.8 on Jackfork Creek, a tributary of the Kiamichi River, about 2.5 miles north of the town of Clayton in Pushmataha County, Oklahoma. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of a 14,138 foot long rolled earth-filled embankment with an uncontrolled spillway and a gate tower with two 4 by 12 foot wheel gates. At conservation pool the lake covers 13,610 acres.

ALLOCATION FOR FY 2014: \$1,398,000

BUDGETED AMOUNT FOR FY 2015: M: \$283,000 O: \$756,000 T: \$1,039,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$780,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$218,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$33,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1983, Sardis Lake has more than \$60,000,000 in cumulative flood damages prevented. Over 112,000 recreation visits with a local economic impact of more than \$2,800,000 took place at Sardis Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2403 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Skiatook Lake, OK

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Skiatook Lake is located at river mile 14.3 on Hominy Creek, a tributary of Bird Creek, about 5 miles west of the town of Skiatook in Osage County, Oklahoma. This is a multi-purpose project with flood control, water supply, water quality control, recreation, and fish and wildlife outputs. The project consists of a 3,590 foot long rolled earth-filled embankment with an uncontrolled spillway and a gate tower with two 4 by 10 foot gates. At conservation pool the lake covers 10,190 acres.

ALLOCATION FOR FY 2014: \$1,847,000

BUDGETED AMOUNT FOR FY 2015: M: \$385,000 O: \$1,295,000 T: \$1,680,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$834,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$774,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$40,000 – Funds will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$32,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1984, Skiatook Lake has more than \$440,000,000 in cumulative flood damages prevented. Over 544,000 recreation visits with a local economic impact of more than \$12,700,000 took place at Skiatook Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$78 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Tenkiller Ferry Lake, OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Tenkiller Ferry Lake is located on the Illinois River at river mile 12.8, about 22 miles southeast of the town of Muskogee in Cherokee and Sequoyah Counties, Oklahoma. This is a multi-purpose project with flood control and hydroelectric power outputs. The project consists of a 3,000 foot long rolled earth-filled embankment with a concrete, gravity controlled spillway with ten 50 by 25 foot tainter gates. The project contains two 19,550 kW hydropower generator units. At conservation pool the lake covers 12,900 acres.

ALLOCATION FOR FY 2014: \$9,361,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,724,000 O: \$3,141,000 T: \$4,865,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$963,000 will be used for critical routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$1,676,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: \$1,923,000 will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment, and improve hydrological modernization initiative priority activities.

EN: \$172,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities. Budgeted non-routine activities will consist of preparing the NEPA document to support implementation of the undated project Master Plan (\$100,000).

WS: \$131,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1952, Tenkiller Ferry Lake has more than \$215,000,000 in cumulative flood damages prevented. Over 3,274,000 recreation visits with a local economic impact of more than \$83,700,000 took place at Tenkiller Ferry Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$147 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Waurika Lake, OK

AUTHORIZATION: PL 88-253

LOCATION AND DESCRIPTION: Waurika Lake is located at river mile 27.0 on Beaver Creek, a tributary of the Red River, about 6 miles northwest of the town of Waurika in Jefferson County, Oklahoma. This is a multi-purpose project with flood control, irrigation, water supply, water quality, recreation, and fish and wildlife outputs. The project consists of a 16,000 foot long rolled earth-filled embankment with an uncontrolled spillway. At conservation pool the lake covers 10,100 acres.

ALLOCATION FOR FY 2014: \$1,407,000

BUDGETED AMOUNT FOR FY 2015: M: \$306,000 O: \$867,000 T: \$1,173,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$692,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

REC: \$446,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$24,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1977, Waurika Lake has more than \$189,000,000 in cumulative flood damages prevented. Over 487,000 recreation visits with a local economic impact of more than \$12,500,000 took place at Waurika Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$5 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Webbers Falls Lock and Dam, OK

AUTHORIZATION: River and Harbor Act of 1946

LOCATION AND DESCRIPTION: Webbers Falls Lock and Dam is located on the Arkansas River at navigation mile 366.6, about 5 miles northwest of the town of Webbers Falls in Muskogee County, Oklahoma. This is a multi-purpose project with navigation and hydroelectric power outputs. The project consists of a 4,370 foot long rolled earth-filled embankment with a concrete, gated ogee weir controlled spillway with twelve 50 by 41 foot tainter gates. The lock is a single-lift Ohio River type with a 110 by 600 foot long chamber and a normal lift of 30 feet. The project contains three inclined-axis hydropower generator units with a total capacity of 60MW. At top of power pool the lake covers 11,640 acres.

ALLOCATION FOR FY 2014: \$5,236,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,101,000 O: \$2,922,000 T: \$5,023,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,393,000 will be used for critical routine operations and maintenance for navigation, including critical fleet maintenance support; channel dredging and upland disposal of dredged material; navigation portion of joint costs for dam safety data; implementation of risk reduction measures; and critical lock and dam inspections. Budgeted non-routine maintenance will consist of replacing the pintle ball and bushing assembly on the miter gate (\$750,000).

FRM: N/A

RC: \$616,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: \$1,962,000 will be used for routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment.

EN: \$52,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Over 713,000 recreation visits with a local economic impact of more than \$16,600,000 took place at Webbers Falls Lock and Dam in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$146 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

Division: Southwestern

District: Tulsa

Project Name: Webbers Falls
Lock and Dam, OK

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wister Lake, OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Wister Lake is located on the Poteau River at river mile 60.9, about 2 miles south of the town of Wister in LeFlore County, Oklahoma. This is a multi-purpose project with flood control, water supply, low flow augmentation, water conservation, and sedimentation outputs. The project consists of a 5,700 foot long rolled earth-filled embankment with an uncontrolled, concrete, chute-type spillway with a modified broad-crested weir. At conservation pool the lake covers 7,386 acres.

ALLOCATION FOR FY 2014: \$1,816,000

BUDGETED AMOUNT FOR FY 2015: M: \$503,000 O: \$630,000 T: \$1,133,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$910,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: \$50,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and breakdown maintenance.

H: N/A

EN: \$144,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$29,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1949, Wister Lake has more than \$660,000,000 in cumulative flood damages prevented. Over 180,000 recreation visits with a local economic impact of more than \$4,300,000 took place at Wister Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$11 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

TEXAS

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Aquilla Lake, TX

AUTHORIZATION: Flood Control Act of 1968

LOCATION AND DESCRIPTION: Aquilla Lake is located in Hill County, 0.8 miles southwest of Hillsboro, Texas. The project consists of an earth fill dam and uncontrolled concrete spillway, which creates a lake with total storage capacity of 146,500 acre-feet, flood control of 93,600 acre-feet, water supply of 34,100 acre-feet, and sediment reserve of 25,700 acre-feet. There is one undeveloped recreation area of 957 acres and six access areas totaling 27 acres.

ALLOCATION FOR FY 2014: \$1,272,000

BUDGETED FOR FY 2015: M: \$580,000 O: \$819,000 T: \$1,397,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,186,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$175,000) is to replace electrical service from distribution panel at transformer to outlet works.

RC: \$112,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$76,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$23,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Aquilla Lake has more than \$47,241,600 in cumulative flood damages prevented. Over 91,534 recreation visits in Fiscal Year 2012 and with a local economic impact of more than \$1,225,349 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Arkansas-Red River Basins Chloride Control – Area VIII, TX

AUTHORIZATION: Flood Control Act of 1966, as modified by the Flood Control Act of 1970, and as amended by the Water Resources Development Acts of 1974, 1976, and 1986

LOCATION AND DESCRIPTION: The Arkansas-Red River Basins Chloride Control – Area VIII Project is located within the Wichita River basin in northern Texas. This is a single purpose project with water quality control outputs. The project consists of a low flow collection dam on the South Fork of the Wichita River and the Truscott Brine Lake on the North Fork of the Wichita River.

ALLOCATION FOR FY 2014: \$1,614,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,812,000 O: \$15,000 T: \$1,827,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: N/A

H: N/A

EN: \$1,827,000 will be used for routine operations and maintenance at the project; water quality control; intensive wildlife management as required by WRDA 1986; monitoring of endangered and other fish and wildlife species; compliance activities associated with the National Historic Preservation Act; natural resources management; and water quality monitoring.

WS: N/A

OTHER INFORMATION: The Red River Authority of Texas has partnered with a private company and proposed to enhance the method of salt water containment and evaporation at the project through the construction and use of salt gradient solar ponds. These salt gradient solar ponds would be used to generate renewable electricity, which could be sold to nearby military installations to assist them in meeting their energy sustainability goals. The implementation of this proposal would decrease project O&M costs and potentially decrease future construction costs associated with completion of Areas VII and X of the project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$12 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Bardwell Lake, TX

AUTHORIZATION: PL 86-399

LOCATION AND DESCRIPTION: Bardwell Lake is located in Ellis County near the city of Ennis, Texas. The project consists of an earth fill dam, an uncontrolled spillway, and a gated conduit through the dam with two sluice gates. Flood control storage capacity is 85,400 acre-feet. Seven recreation areas comprise 1,238 acres.

ALLOCATION FOR FY2014: \$1,846,000

BUDGETED AMOUNT FOR FY 2015: M: \$920,000 O: \$1,046,000 T: \$1,966,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,330,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$150,000) is to repair and realign the outlet channel.

RC: \$536,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$86,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and National Environmental Policy Act (NEPA) compliance activities.

WS: \$14,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Bardwell Lake has more than \$50,312,800 in cumulative flood damages prevented. Over 106,678 recreation visits in FY 2012 and a local economic impact of more than \$1,393,000 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Belton Lake, TX

AUTHORIZATION: Flood Control Act of 1946 as modified by the Flood Control Act of 1954

LOCATION AND DESCRIPTION: Belton Lake is located on the Leon River in Bell and Coryell Counties near the city of Belton, Texas. The project consists of an earth fill dam, uncontrolled spillway, gated outlet structure, and flood control for 3,560 square miles of the Brazos River Basin. There are 644,200 acre-feet of flood control storage, 136 miles of shoreline, and a boundary of 158 miles. Fourteen recreation areas comprise 2,983 acres.

ALLOCATION FOR FY 2014: \$3,577,000

BUDGETED AMOUNT FOR FY 2015: M: \$787,000 O: \$2,377,000 T: \$3,164,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$824,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$2,122,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$210,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Belton Lake has more than \$801,683,900 in cumulative flood damages prevented. Over 1,881,829 recreation visits in Fiscal Year 2012 and a local economic impact of more than \$18,160,299 took place in Fiscal Year 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Benbrook Lake, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Benbrook Lake is located in Tarrant County on the Clear Fork of the Trinity River, 15 river miles upstream from its confluence with the West Fork of the Trinity River, 10 miles southwest of Fort Worth, Texas. The project consists of a rolled earth fill dam (9,130 feet long by 130 feet high); an uncontrolled spillway (500 feet wide); a 13-foot diameter conduit controlled by two (6.5 feet x 13 feet) broom-type gates for inlets; and 2 gated outlets into two 30-inch steel pipe conduits. The flood control storage capacity is 170,350 acre-feet. Benbrook Lake has six recreation areas which comprise 3,033 acres.

ALLOCATION FOR FY2014: \$2,746,000

BUDGETED AMOUNT FOR FY 2015: M: \$902,000 O: \$1,340,000 T: \$2,242,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$983,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$1,119,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$123,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and National Environmental Policy Act (NEPA) compliance activities.

WS: \$17,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Benbrook Lake has more than \$8,953,562,200 in cumulative flood damages prevented. Over 621,601 recreation visits in FY 2012 and a local economic impact of more than \$11,581,000 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$41,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Brazos Island Harbor, TX

AUTHORIZATION: House Document 16, 71st Congress, 2nd Session, 1930, as amended, and PL 99-662

LOCATION AND DESCRIPTION: The Brazos Island Harbor project provides deep draft access from the Gulf of Mexico through a jettied entrance channel to Brownsville, and a side channel, authorized to 36 feet, and shallow draft Fishing Boat Harbor near Port Isabel. The project is 22.8 miles long. The authorized depths are 42 feet for the main channel and 44 feet through the jetties and outer bar. A side channel with a project depth of 36 feet leads to the Port Isabel and an adjacent shallow draft Fishing Boat Harbor.

ALLOCATION FOR FY 2014: \$4,568,000

BUDGETED AMOUNT FOR FY 2015: M: \$6,300,000 O: \$0 T: \$6,300,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$6,300,000 will be used for routine annual dredging of the 17 mile long Brownsville Ship Channel to project depth (\$6,300,000). These funds will improve navigation performance and project reliability.

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The port of Brownsville is ranked #67 in the nation with respect to commercial tonnage (5.9 million tons total in 2011). The major commodities moved through the Port of Brownsville include: petroleum products, ores and minerals, steel and other metals, vegetable oils, and grains. Based on an economic impact study, the effect of not maintaining the channel to 42 feet results in cost penalties over \$5,700,000 per year for a 38 feet draft restriction and \$19,400,000 for a 35 feet restriction.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$45,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Buffalo Bayou and Tributaries, TX

AUTHORIZATION: House Document 456, 75th Congress, 2nd Session 1938 and modified by the Flood Control Act of 1954

LOCATION AND DESCRIPTION: The Buffalo Bayou and Tributaries project is located on Buffalo Bayou and Mayde Creek on the west side of the City of Houston, in Harris and Fort Bend Counties, Texas. Addicks Dam and Reservoir is an earthen dam 61,166 feet long and 48.5 feet above the Mayde Creek streambed with a storage capacity of 200,000 acre-feet. Barker Dam and Reservoir is an earthen dam 71,960 feet long and 36.5 feet above the Buffalo Bayou streambed with a storage capacity of 209,000 acre-feet. These reservoirs are designed to reduce flooding in the City of Houston.

ALLOCATION FOR FY 2014: \$2,855,000

BUDGETED AMOUNT FOR FY 2015: M: \$91,000 O: \$2,564,000 T: \$2,655,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$2,655,000 will be used for labor (district and field) and non-labor field costs for critical routine operation of the project, critical routine maintenance of the project, implementing the stream gauging and water control bill-back programs, and for installing critical infrastructure protection and resilience (CIRP) measure at the dams. The funds will also be used for Dam Safety work to clean piezometers and perform Dam Safety maintenance.

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Both dams were screened by the National Dam Safety Cadre and were reclassified as DSAC-1 (the highest risk category) due to their location on the west side of the City of Houston, TX and the high population at risk if a dam failure occurred.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$16,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Canyon Lake, TX

AUTHORIZATION: River and Harbor Act of 1945 as modified by the Flood Control Act of 1954

LOCATION AND DESCRIPTION: Canyon Lake is located in Comal County, 12 miles northwest of New Braunfels, Texas, on the Guadalupe River. The project consists of a rolled earth fill dam, an uncontrolled spillway, and one conduit controlled by two slide gates. The flood control storage is 354,600 acre-feet. Eight recreation areas comprise 1,544 acres.

ALLOCATION FOR FY 2014: \$2,948,000

BUDGETED AMOUNT FOR FY 2015: M: \$360,000 O: \$2,317,000 T: \$2,677,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$920,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$75,000) repair drainage blanket and (\$60,000) to replace rip rap in stilling basin area.

RC: \$1,557,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$192,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 - Funds will be used to monitor water usage; manage current water storage agreements and track water storage contract billing and payments.

OTHER INFORMATION: Canyon Lake has more than \$600,598,900 in cumulative flood damages prevented. Over 806,777 recreation visits in Fiscal Year 2012 and a local economic impact of more than \$16,073,926 took place in Fiscal Year 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Channel to Port Bolivar, TX

AUTHORIZATION: Senate Document 99, 90th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Channel to Port Bolivar project is a shallow draft channel extending from deep water in the Bolivar Road Channel northward to the tip of Bolivar Peninsula. The channel is 14-feet deep, 300-feet wide and approximately 950 feet long. It is maintained to accommodate the Texas Department of Transportation Galveston-Bolivar ferry.

ALLOCATION FOR FY 2014: \$396,000

BUDGETED AMOUNT FOR FY 2015: M: \$200,000 O: \$0 T: \$200,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$200,000 will be used for annual maintenance dredging of the main channel to project depth. This will improve navigation performance and project reliability.

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: Channel to Port Bolivar is utilized heavily by Texas Department of Transportation's Ferry System for public transportation. The Galveston-to-Port Bolivar ferry route provides a critical link between Galveston Island and Bolivar Island serving as a hurricane evacuation route and short response times for police, fire and emergency vehicles. The Galveston-to-Port Bolivar ferry runs as frequent as every 15 minutes and transports approximately 1.4 million vehicles per year.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$6,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Corpus Christi Ship Channel, TX

AUTHORIZATION: Senate Document 99, 90th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Corpus Christi Ship Channel (CCSC) is a 45-ft deep by 400-ft wide by approximately 34 mile long deep draft navigation project, which extends from the Gulf of Mexico, through a jettied inlet at Aransas Pass, across Corpus Christi Bay to port facilities at Ingleside, La Quinta and the Port of Corpus Christi.

ALLOCATION FOR FY 2014: \$8,552,000

BUDGETED AMOUNT FOR FY 2015: M: \$6,900,000 O: \$0 T: \$6,900,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$6,900,000 will be used to perform maintenance dredging within the La Quinta Channel to project depth (\$4,000,000), the La Quinta Channel to Main Turning Basin (\$2,900,000). These funds will improve navigation performance and project reliability.

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Port of Corpus Christi is ranked 6th in the nation with respect to commercial import and export tonnage. The CCSC is utilized by high commercial and recreational traffic - oil tankers, barges, and private fishing and recreational vessels that share navigation in the area. The major commodities that come through the port include crude oil, gasoline, fuel oil, bauxite, feed stock, and wheat. Maintenance of the channel is critical for oil and product tankers transiting to/from the refineries in Corpus Christi, and to the increased need for full channel limits to accommodate new tension-leg platform (TLP) and semi-submersible oil rigs utilizing the channel. The Port of Corpus Christi will see a substantial increase in tonnage by the export of coal as New ELK Coal Company, a U.S. subsidiary of Cline Mine Corporation out of Toronto, Canada will begin using the port as its port of export to Europe, Brazil and Asia. The CCSC is ranked 7th in the nation with respect to commercial tonnage (70.5 million tons total in 2011). The CCSC is also designated as a Strategic Harbor, as military personnel, equipment and supplies are deployed and redeployed through the facilities.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$669,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

AUTHORIZATION TITLE: Operation and Maintenance

PROJECT NAME: Denison Dam, Lake Texoma, TX and OK

AUTHORIZATION: Flood Control Act of 1938

LOCATION AND DESCRIPTION: Denison Dam, Lake Texoma is located on the Red River at river mile 725.9, about 5 miles northwest of the town of Denison in Grayson County, Texas. This is a multi-purpose project with flood control, water supply, hydroelectric power, regulation of Red River flows, improvement of navigation, and recreation outputs. The project consists of a 17,200 foot long rolled earth-filled embankment with an uncontrolled concrete, gravity chute-type spillway and six 9 by 19 foot vertical lift gates. The project contains two 35,000 kW hydropower generator units. At top of power pool the lake covers 74,686 acres.

ALLOCATION FOR FY 2014: \$11,375,000

BUDGETED AMOUNT FOR FY 2015: M: \$4,752,000 O: \$6,472,000 T: \$11,224,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$5,885,000 will be used for critical routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance will consist of replacing one flood gate and rehabbing two emergency gates (\$3,000,000).

RC: \$2,703,000 will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and limited breakdown maintenance.

RC-SUS15: \$18,000 will be used to install waterless urinals at three high visitation parks to help meet energy sustainability goals. 2/

H: \$2,356,000 will be used for critical routine operations and maintenance activities required to keep the powerhouse and associated equipment operating efficiently, including operation of generating units and auxiliary equipment, with focus on improving hydrological modernization initiative priority activities.

EN: \$348,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities.

WS: \$62,000 will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Since construction in 1944, Denison Dam, Lake Texoma has more than \$972,000,000 in cumulative flood damages prevented. Over 6,205,000 recreation visits with a local economic impact of more than \$166,700,000 took place at Denison Dam, Lake Texoma in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$59 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ In accordance with FY 2015 Department of the Army budget guidance, sustainability and energy work package(s) (SUSTAINABILITY / SUS) have been specifically selected and funded as additional funding to the project's O&M budget request in the business line(s) as indicated above. The amount(s) identified as SUS FY15 funds are SUS sub-totals that are included in the top-line total for each business line. Business lines with no SUS sub-totals shown above have no SUS additional funding requested for FY15.

Division: Southwestern

District: Tulsa

Project Name: Denison Dam,
Lake Texoma, TX and OK

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Estelline Springs Experimental Project, TX

AUTHORIZATION: Flood Control Act of 1966

LOCATION AND DESCRIPTION: The Estelline Springs Experimental Project is located on the Prairie Dog Town Fork of the Red River, about 0.5 miles east of the town of Estelline in Hall County, Texas. This is a single purpose project with water quality control outputs. The project consists of an earthen ring dike nine feet high and 340 feet in diameter that surrounds Estelline Springs.

ALLOCATION FOR FY 2014: \$43,000

BUDGETED AMOUNT FOR FY 2015: M: \$40,000 O: \$0 T: \$40,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: N/A

RC: N/A

H: N/A

EN: \$40,000 will be used for routine operations and maintenance at the project; water quality control; intensive wildlife management as required by WRDA 1986; monitoring of endangered and other fish and wildlife species; compliance activities associated with the National Historic Preservation Act; natural resources management; and water quality monitoring.

WS: N/A

OTHER INFORMATION: Construction of the Estelline Springs Experimental Project started in 1963 and was completed and placed in permanent operation in 1964.

^{1/} Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$4 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ferrells Bridge Dam – Lake O’The Pines, TX

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Ferrells Bridge Dam – Lake O’The Pines is located on Cypress Creek in Marion, Harrison, Upshur, Morris, Camp and Titus Counties, eight miles west of the city of Jefferson, Texas. The project consists of an earth fill embankment and two conduits. Flood control storage is 587,200 acre-feet and water supply storage is 279,900 acre-feet. Thirty-four recreation areas comprise 758 acres.

ALLOCATION FOR FY 2014: \$3,366,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,495,000 O: \$1,937,000 T: \$3,432,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,595,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$200,000) is to fertilize embankment and levee.

RC: \$1,464,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$365,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Ferrells Bridge Dam - Lake O’The Pines has more than \$80,184,800 in cumulative flood damages prevented. Over 959,985 recreation visits in FY 2012 and a local economic impact of more than \$14,508,894 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Freeport Harbor, TX

AUTHORIZATION: House Document 289, 93rd Congress, 2nd Session

LOCATION AND DESCRIPTION: The Freeport Harbor project is located in the vicinity of Freeport, in Brazoria County, Texas. The project is a deep draft navigation channel 45 feet deep by 400 feet wide extending 8.5 miles in length from the Gulf of Mexico through a jettied entrance channel to the port facilities.

ALLOCATION FOR FY 2014: \$8,217,000

BUDGETED AMOUNT FOR FY 2015: M: \$10,600,000 O: \$0 T: \$10,600,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$10,600,000 will be used for annual maintenance dredging of the Freeport Entrance Channel to project depth (\$3,950,000), dredging the Freeport Entrance Channel to advanced maintenance depth (\$2,500,000), perform sea turtle trawling work associated with Entrance Channel Maintenance Dredging (\$50,000), and perform dredging (\$2,500,000) and advanced maintenance (\$1,600,000) within the Freeport Inside Channel. Funding will improve navigation performance and project reliability.

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Local Sponsor has obtained a permit to widen channel Freeport channel with non-Federal funding. The project will be widened from 45 feet by 400 feet to 45 feet by 600 feet in the Entrance Channel and 45 feet by 540 feet in the Jetty Channel. Channel widening will provide the ability to maintain two-way traffic of the wider Liquid Natural Gas (LNG) ships scheduled to call the port. Port Freeport is ranked #31 in the nation with respect to commercial tonnage (23.3 million tons total in 2011).

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$1,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Galveston Harbor and Channel, TX

AUTHORIZATION: House Document 121, 92nd Congress

LOCATION AND DESCRIPTION: The Galveston Harbor deep draft navigation project consists of a 45-ft deep by 800-ft wide by approximately 23.9 mile long channel, which extends from the Gulf of Mexico; through a jettied inlet; through the entrance of Galveston Bay; to the port facilities at Galveston Harbor.

ALLOCATION FOR FY 2014: \$6,237,000

BUDGETED AMOUNT FOR FY 2015: M: \$8,900,000 O: \$0 T: \$8,900,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$8,900,000 will be used for maintenance dredging of the Galveston Entrance Channel to project depth (\$5,154,000), dredging the Galveston Entrance Channel to the advance maintenance depth (\$3,696,000) and perform sea turtle trawling activities associated with Entrance Channel dredging (\$50,000). The funds will improve navigation performance and project reliability.

FRM: N/A

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Port of Galveston is ranked 41st in the nation with respect to commercial tonnage (13.7 million tons total in 2011). The port's main exports are bulk grains, containers, machinery, vehicles, liner board and paper, carbon black, and light fuels.

The Galveston Entrance Channel is utilized by all vessels transiting to the Port of Houston, Port of Texas City and the Port of Galveston, which are ranked the #2, #10 and #41 ports in the nation, respectively. The Galveston Entrance Channel is the busiest navigation channel in the nation with over 10,000 trips per year.

Galveston Harbor is also ranked #12 in the world for cruise lines and the #1 cruise port in the Gulf of Mexico. The Port of Galveston welcomed over 800,000 passengers in 2011. This statistic is anticipated to sharply increase in 2012 as Disney and Royal Caribbean Cruise Lines recently began calling the Port of Galveston.

1/Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$120,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

PROJECT NAME: GIWW, Channel to Victoria, TX

AUTHORIZATION: PL 100-676

LOCATION AND DESCRIPTION: The Channel to Victoria project is located in the vicinities of Seadrift and Victoria in Calhoun and Victoria Counties, Texas. The Channel to Victoria project is a shallow-draft project 12 feet deep by 200 feet wide and 35.4 miles extending from the Gulf Intracoastal Waterway at Mile 492 northwesterly across San Antonio Bay to the Port of Victoria. The Channel to Seadrift portion of the project provides a 12 feet by 2 mile shallow draft channel from the Channel to Victoria northeasterly and terminating at the facilities at Seadrift.

ALLOCATION FOR FY 2014: \$3,368,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,700,000 O: \$0 T: \$2,700,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$2,700,000 will be used to perform maintenance dredging of the Victoria Middle Reach to project depth. These funds will improve navigation performance and project reliability.

FRM: NA

REC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: Port of Victoria is ranked #89 in nation with respect to commercial tonnage (3.5 million tons total in 2011). This amount of tonnage is significant as the Port of Victoria is a shallow draft project; however, the port is ranked against deep draft ports in the nation.

A sharp increase in tonnage was realized in 2012 with further growth expected in 2013; from 2.8 million tons in 2011 to 7.5 million tons in 2013. This increase is attributed to crude oil exports from the Eagle Ford Shale formation, through the Port of Victoria, to regional and national refineries at Corpus Christi, Houston, Port Arthur and Louisiana. Innovations in oil recovery technology (FRACKING) has re-energized oil production within the Eagle Ford Shale formation; located in the vicinity of the Port of Victoria. Eagle Ford Shale formation is estimated to sustained production of 25+ years. The increased tonnage is also attributed to the recent construction of the 1.1 million sq-ft *Caterpillar* Heavy Equipment manufacturing facility.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$245,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Granger Lake, TX

AUTHORIZATION: Flood Control Acts of 1954 and 1962

LOCATION AND DESCRIPTION: Granger Lake is located on the San Gabriel River in Williamson County, about 10 miles northeast of the city of Taylor. The project consists of a rolled earth fill dam and controlled outlet works with two hydraulically-operated gates. The conservation pool impoundment is 4,400 acres, government fee land consists of 13,602 acres, and flood control storage capacity is 178.600 acre-feet. Six recreation areas comprise 1,387 acres.

ALLOCATION FOR FY 2014: \$2,357,000

BUDGETED AMOUNT FOR FY 2015: M: \$492,000 O: \$1,510,000 T: \$2,002,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,010,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$786,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$95,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$111,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Granger Lake has more than \$73,932,100 in cumulative flood damages prevented. Over 253,671 recreation visits in Fiscal Year 2012 and a local economic impact of more than \$2,203,231 took place in Fiscal Year 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Grapevine Lake, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Grapevine Lake is located in Denton and Tarrant Counties, at river mile 11.7 on Denton Creek, Trinity River Basin, near the city of Grapevine, and approximately 20 miles northwest of the city of Dallas, Texas. The project consists of a rolled earth fill dam, a 500-foot uncontrolled concrete ogee weir spillway, and conduit controlled by two broom-type gates. The flood control/storage capacity is 243,050 acre-feet and conservation/water supply storage is 158,900 acre-feet. Twelve recreation areas comprise 3,660 acres.

ALLOCATION FOR FY2014: \$2,700,000

BUDGETED AMOUNT FOR FY 2015: M: \$634,000 O: \$1,842,000 T: \$2,476,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,214,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Critical infrastructure project review package (\$100,000) is to evaluate systems and prepare for system modifications to increase level of physical security.

RC: \$1,061,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$187,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and National Environmental Policy Act (NEPA) compliance activities.

WS: \$14,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Grapevine Lake has more than \$15,559,502,300 in cumulative flood damages prevented. Over 2,694,423 recreation visits in FY 2012 and a local economic impact of more than \$25,522,000 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$26,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Gulf Intracoastal Waterway, TX

AUTHORIZATION: PL 77-675 authorized the Laguna Madre reach and the Water Resources Development Act of 1996 authorized the work at Aransas National Wildlife Refuge

LOCATION AND DESCRIPTION: The Texas portion of the Gulf Intracoastal Waterway (GIWW) navigation project consists, generally, of a 12-ft deep by 125-ft wide by approximately 423 mile long shallow-draft channel, traversing the entire Texas Coast. The main channel extends from the Sabine River to Port Isabel, Texas and includes several tributary channels along its length. The GIWW project also includes flood gates and lock navigation structures at the Brazos and Colorado Rivers, respectively. Finally, mooring basins and mooring buoys are maintained in 11 separate locations along the length of the GIWW. The mooring basins support the heavy barge traffic, which totaled over 12,000 trips per year in FY2012.

ALLOCATION FOR FY 2014: \$28,596,000

BUDGETED AMOUNT FOR FY 2015: M: \$21,938,000 O: \$3,823,000 T: \$25,761,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$25,761,000 will be used for routine operation and maintenance of the facilities at the Brazos River Floodgates (\$1,750,000) and Colorado River Locks (\$1,750,000) and non-routine maintenance and repairs at both facilities (\$1,800,000). Funds will be used for maintenance dredging within the following reaches: High Island to Port Bolivar to project depth (\$3,000,000) and to advanced maintenance depth (\$3,100,000), Colorado River to Upper Matagorda to project depth (\$3,000,000), Causeway to Bastrop to project depth (\$3,100,000), Channel Across Corpus Christi Bay to project depth (\$3,000,000), Alternate Channel in Matagorda Bay to project depth (\$725,000), and Brazos River Crossing to Boggy Bayou to project depth (\$2,712,750). Funds will also be used for routine Mooring Buoy Maintenance and Debris Removal (\$1,500,000), Laguna Madre Dredged Material Management Plan Monitoring (DMMP) (\$70,000), and completion of the High Island to Brazos DMMP (\$253,250).

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Texas portion of the GIWW provides for an intermodal link between the Texas deep draft and shallow draft ports. This intermodal link is essential in connecting Texas ports and waterways with the petrochemical industries and refineries staggered along the Texas coast. It also provides a critical link between the Texas ports with national coastal and inland port facilities. The GIWW is ranked the #3 Inland Waterway in the nation with respect to commercial tonnage (116.2 million tons per year in 2011; of which 74.7 million tons transited the Texas portion of the GIWW).

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$477,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Hords Creek Lake, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Hords Creek Lake is located in Coleman County, about 13 miles west of the city of Coleman, Texas. The project consists of an earth fill embankment and one conduit controlled by two gates. The water supply outlet is cast iron pipe and the controlled conduit outlet has two slide gates. Flood control storage is 16,670 acre-feet and water supply storage is 5,684 acre-feet. Three recreation areas comprise 1,215 acres.

ALLOCATION FOR FY 2014: \$1,635,000

BUDGETED AMOUNT FOR FY 2015: M: \$479,000 O: \$954,000 T: \$1,433,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$646,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$711,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$76,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Hords Creek Lake has more than \$1,068,800 in cumulative flood damages prevented. Over 206,885 recreation visits in Fiscal Year 2012 and with a local economic impact of more than \$1,696,089 took place in FY 2010.

1/ Unobligated Carry-in Funding: The Actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Houston Ship Channel, TX

AUTHORIZATION: House Document 101 (30), PL 104-303

LOCATION AND DESCRIPTION: The Houston Ship Channel project consists of reaches varying depths of 45-ft, 40-ft, & 36-ft and, generally, 300-ft in width and approximately 55.4 miles long. The project extends from the Bolivar Roads channel near Galveston, Texas; north, through Galveston Bay, the San Jacinto River, and Buffalo Bayou to the port facilities in Houston, Texas. The project also provides for 40-ft deep channels, which provide access to the container terminals at Bayport and Barbours Terminal. Finally the project provides for a deep and shallow draft channel extending 6.5 miles from the main stem to the port facilities at Greens Bayou. The Port of Houston is ranked 2nd in the nation with respect to commercial import and export tonnage.

ALLOCATION FOR FY 2014: \$32,533,000 2/

BUDGETED AMOUNT FOR FY 2015: M: \$31,400,000 O: \$440,000 T: \$31,840,000 1/ 2/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$31,840,000 will be used for dredging the Morgans to Carpenters Reach to project depth (\$11,000,000), install erosion protection along the shoreline of Placement Area #14/15 (\$6,500,000), dredging Redfish Reach to project depth (\$3,200,000), perform levee area improvements at House Tract Placement Area (\$4,200,000), dredging the barge lanes from Bayport to Morgans to project depth (\$2,500,000), dredging the Bayport Flare to project depth (\$4,000,000) and complete the Houston Ship Channel Dredged Material Management Plan (\$440,000). These funds will improve navigation performance and project reliability through maintenance dredging and placement area management.

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Houston Ship Channel services the Port of Houston, which is ranked 2nd among U.S. ports, and provides \$118 billion in annual economic benefit to the state of Texas, including more than 1,000,000 jobs. The HSC has 115 private and public facilities, including more than 160 deep-draft berths and a large number of barge docks and industries. Insufficient funds are impacting the ability to maintain authorized project depth and maintain dredge material placement area capacity.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$23,436,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

2/ The Houston Ship Channel funding includes the Houston Ship Channel, Bayport Channel, Barbour's Terminal, and Greens Bayou Channels.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Jim Chapman Lake, TX

AUTHORIZATION: Flood Control Act of 1954 as amended by the Flood Control Act of 1955

LOCATION AND DESCRIPTION: Jim Chapman Lake is located on the South Sulphur River in Delta and Hopkins Counties, about four miles southeast of the city of Cooper, Texas. The project consists of an earth fill embankment, an uncontrolled spillway, and an outlet works tower. Five recreation areas comprise 2,977 acres.

ALLOCATION FOR FY 2014: \$1,740,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,246,000 O: \$711,000 T: \$1,957,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,712,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$200,000) is to repair rip rap along discharge channel.

RC: \$123,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$108,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$14,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Jim Chapman Lake has more than \$21,129,000 in cumulative flood damages prevented. Over 295,842 recreation visits in FY 2012 and a local economic impact of more than \$3,870,882 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Joe Pool Lake, TX

AUTHORIZATION: River and Harbor Act of 1965

LOCATION AND DESCRIPTION: Joe Pool Lake is located in Dallas, Tarrant and Ellis Counties, about 10 miles southwest of the City of Dallas. The project consists of an earth fill dam with an uncontrolled concrete spillway. Total storage capacity is 304,500 acre-feet (flood control 127,200 acre-feet, water supply 142,900 acre-feet, and sediment reserve 38,000 acre-feet). There are five recreation areas with 3,730 acres.

ALLOCATION FOR FY2014: \$998,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,037,000 O: \$692,000 T: \$1,729,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,435,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$475,000) is to repair embankment seepage area.

RC: \$50,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$218,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and National Environmental Policy Act (NEPA) compliance activities.

WS: \$26,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Joe Pool Lake has more than \$3,929,783,100 in cumulative flood damages prevented. Over 1,083,249 recreation visits in FY 2012 and a local economic impact of more than \$19,404,000 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$93,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lake Kemp, TX

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Lake Kemp is located on the Wichita River at river mile 126.7, about 40 miles southwest of the town of Wichita Falls in Wichita County, Texas. This is a multi-purpose project with flood control and conservation outputs. The project consists of a rolled earth-filled embankment and spillway having a total length of 8,890 feet and rising to a maximum height of 115 feet above the streambed. At top of flood control pool the lake covers 15,590 acres.

ALLOCATION FOR FY 2014: \$282,000

BUDGETED AMOUNT FOR FY 2015: M: \$64,000 O: \$196,000 T: \$260,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$260,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data.

RC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The city of Wichita Falls, Texas, and Wichita County Water Improvement District No. 2 own Lake Kemp jointly. District No. 2 manages the conservation storage, and the US Army Corps of Engineers manages the flood control storage.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$2 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lavon Lake, TX

AUTHORIZATION: River and Harbor Act of 1945 and the Flood Control Acts of 1946 and 1962

LOCATION AND DESCRIPTION: Lavon Lake is located in Collin County, on the East Fork of the Trinity River, about 22 miles northeast of the city of Dallas, Texas. The project consists of an earth embankment, a gate-controlled concrete spillway with twelve tainter gates, and five gate controlled conduits. Flood control storage is 291,600 acre-feet and water supply storage is 443,800 acre-feet. Nineteen recreation areas comprise 2,834 acres.

ALLOCATION FOR FY2014: \$3,083,000

BUDGETED AMOUNT FOR FY 2015: M: \$971,000 O: \$2,075,000 T: \$3,046,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,120,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$1,466,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$276,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and National Environmental Policy Act (NEPA) compliance activities.

WS: \$184,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments. Reconnaissance study package (\$173,000) is to evaluate water supply reallocation.

OTHER INFORMATION: Lavon Lake has more than \$642,496,100 in cumulative flood damages prevented. Over 1,204,742 recreation visits in FY 2012 and a local economic impact of more than \$34,817,000 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$48,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Lewisville Dam, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Lewisville Dam is located in Denton County on the Elm Fork of the Trinity River, 30 river miles above its confluence with the Trinity River, and 22 miles northwest of the city of Dallas, Texas. The project consists of a rolled earth fill dam, 32,888 feet in length, with a 16-foot diameter flood conduit, controlled by three (6.5-foot x 13-foot) broom-type gates and a 560-foot concrete spillway. Flood control storage capacity is 340,800 acre-feet and conservation/water supply storage is 598,400 acre-feet. Lewisville Dam has twenty-five recreation areas comprising 4,014 acres.

ALLOCATION FOR FY2014: \$3,244,000

BUDGETED AMOUNT FOR FY 2015: M: \$2,334,000 O: \$2,005,000 T: \$4,339,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$3,097,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve the performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$525,000) to repair emergency spillway chute slab, (\$350,000) to repair spillway channel slopes and (\$225,000) to repair or replace piezometers and relief wells. Critical infrastructure project review package (\$100,000) is to evaluate systems and prepare for system modifications to increase level of physical security.

RC: \$1,019,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$212,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and National Environmental Policy Act (NEPA) compliance activities.

WS: \$11,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Lewisville Lake has more than \$31,266,630,900 in cumulative flood damages prevented. Over 3,010,639 recreation visits in FY 2012 and a local economic impact of more than \$58,046,000 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$47,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Matagorda Ship Channel, TX

AUTHORIZATION: House Document 388, 84th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Matagorda Ship Channel project consists of a 38 feet deep by 300 feet wide entrance channel through a jettied entrance and a 36 feet deep by 200 feet wide main channel that extends 25.2 miles and terminates at a 1,000 feet by 1,000 feet wide turning basin at Point Comfort. The navigation project is located in the vicinities of Port O'Connor, Port Lavaca, and Point Comfort in Matagorda and Calhoun Counties, Texas.

ALLOCATION FOR FY 2014: \$5,223,000

BUDGETED AMOUNT FOR FY 2015: M: \$8,000,000 O: \$0 T: \$8,000,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$8,000,000 will be used for maintenance dredging from Indian Point to Point Comfort to project depth (\$6,000,000), dredging for the Matagorda Entrance Channel to project depth (\$1,980,000) and sea turtle trawling activities associated with Entrance Channel maintenance dredging (\$20,000). These funds will improve navigation performance and project reliability.

FRM: NA

REC: NA

H: NA

EN: NA

WS: NA

OTHER INFORMATION: The Matagorda Ship Channel is ranked 56th in the nation with respect to commercial import and export tonnages (9.3 million tons in 2011).

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$22,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Navarro Mills Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Navarro Mills Lake is located in Navarro County on Richland Creek, Trinity River Basin, and is 16 miles southwest of the city of Corsicana, Texas. The project consists of an earth fill dam, a controlled spillway using six tainter gates and two conduits controlled by slide gates. Flood storage capacity is 149,200 acre-feet. Six recreation areas comprise 1,195 acres.

ALLOCATION FOR FY 2014: \$3,121,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,405,000 O: \$1,216,000 T: \$2,621,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,440,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$125,000) to install piezometers in known seepage area as well as along left downstream abutment and (\$175,000) to repair downstream edge of embankment with concrete cap.

RC: \$1,086,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$87,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Navarro Mills Lake has more than \$84,319,400 in cumulative flood damages prevented. Over 774,874 recreation visits in Fiscal Year 2012 and with a local economic impact of more than \$7,291,217 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$6,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: North San Gabriel Dam and Georgetown Lake, TX

AUTHORIZATION: Flood Control Acts of 1954 and 1962

LOCATION AND DESCRIPTION: The North San Gabriel Dam and Georgetown Lake are located on the North Fork of the San Gabriel River in Williamson County, about 3.5 miles west of the city of Georgetown, Texas. The project consists of a rock fill dam with impervious earth core. Flood control outlet works include two hydraulically operated gates. Conservation/water supply storage is 29,200 acre-feet and flood control storage capacity is 93,700 acre-feet. Five recreation areas comprise 1,638 acres.

ALLOCATION FOR FY2014: \$2,248,000

BUDGETED AMOUNT FOR FY 2015: M: \$762,000 O: \$1,480,000 T: \$2,242,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$960,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$1,094,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$153,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$35,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: North San Gabriel Dam and Georgetown Lake has more than \$15,975,100 in cumulative flood damages prevented. Over 606,967 recreation visits in Fiscal Year 2012 and a local economic impact of more than \$8,284,940 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

Division: Southwestern

District: Fort Worth

North San Gabriel Dam
and Lake Georgetown, TX

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: O. C. Fisher Dam and Lake, TX

AUTHORIZATION: Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: O. C. Fisher Dam and Lake is located in Tom Green County, on the North Concho River, near the city of San Angelo, Texas. The project consists of an earth embankment, an uncontrolled spillway, six gate-controlled intakes, and two flood control conduits. Flood control storage is 276,900 acre-feet and water supply storage is 79,500 acre-feet. Seven recreation areas comprise 4,710 acres.

ALLOCATION FOR FY 2014: \$947,000

BUDGETED AMOUNT FOR FY 2015: M: \$640,000 O: \$529,000 T: \$1,169,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,040,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$56,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$65,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$8,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: O. C. Fisher Lake has more than \$21,140,800 in cumulative flood damages prevented. Over 102,377 recreation visits in Fiscal Year 2012 and with a local economic impact of more than \$1,112,932 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Pat Mayse Lake, TX

AUTHORIZATION: Flood Control Act of 1962

LOCATION AND DESCRIPTION: Pat Mayse Lake is located at river mile 4.6 on Sanders Creek, a tributary of the Red River, about 12 miles north of the town of Paris in Lamar County, Texas. This is a multi-purpose project with flood control, water supply, recreation, and fish and wildlife outputs. The project consists of an 8,780 foot long rolled earth-filled embankment with an uncontrolled spillway. At conservation pool the lake covers 5,940 acres.

ALLOCATION FOR FY 2014: \$994,000

BUDGETED AMOUNT FOR FY 2015: M: \$495,000 O: \$898,000 T: \$1,393,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$909,000 will be used for routine operations, maintenance, and inspections on structures that reduce flood risk to property and human life, including preventative, routine, and limited breakdown maintenance; operation and inspection of structures to insure projects are performing as designed; and collection of dam safety data. Budgeted non-routine maintenance will include sealing leaks in the discharge conduit (\$180,000) and improving the toe drain outfall drainage (\$174,000).

RC: \$421,000 will be used for routine operations and maintenance activities related to recreation, including ranger patrols; mowing and other service contracts to maintain park and camping areas; utilities; and limited breakdown maintenance.

H: N/A

EN: \$55,000 will be used for routine environmental compliance activities, including monitoring of threatened and endangered species; protection of significant cultural resources; water quality monitoring; natural resources management; invasive species control; public education programs; and NEPA compliance activities. Budgeted non-routine maintenance will consist of revising the project Master Plan (\$30,000).

WS: \$8,000 will be used for monitoring of water usage; management of current water storage agreements; tracking water storage contract billing and payments; renegotiation of expiring water supply agreements; and monitoring of water quality.

OTHER INFORMATION: Since construction in 1967, Pat Mayse Lake has more than \$36,000,000 in cumulative flood damages prevented. Over 233,000 recreation visits with a local economic impact of more than \$5,700,000 took place at Pat Mayse Lake in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY 2013 into FY 2014 for this project is \$10 (x1000). As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Proctor Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Proctor Lake is located in Comanche County on the Leon River, about 8 miles northeast of the city of Comanche, Texas. The project consists of an earth fill dam with concrete spillway, which is controlled by eleven tainter gates and two low flow conduits. Flood control storage is 314,800 acre-feet and water supply storage is 60,524 acre-feet. Four recreation areas comprise 1,210 acres.

ALLOCATION FOR FY 2014: \$2,414,000

BUDGETED AMOUNT FOR FY 2015: M: \$953,000 O: \$1,366,000 T: \$2,319,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,347,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life.

RC: \$876,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$85,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Proctor Lake has more than \$82,345,700 in cumulative flood damages prevented. Over 233,419 recreation visits in Fiscal Year 2012 and with a local economic impact of more than \$2,764,004 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Ray Roberts Lake, TX

AUTHORIZATION: Flood Control Act of 1965

LOCATION AND DESCRIPTION: Ray Roberts Lake is located in Denton, Cook and Grayson Counties, near the city of Denton, Texas. The project consists of an earth fill dam, an uncontrolled spillway, and a gated conduit through the dam with two sluice gates. Flood control storage capacity is 52,400 acre-feet. Ten recreation areas comprise 3,810 acres.

ALLOCATION FOR FY2014: \$1,723,000

BUDGETED AMOUNT FOR FY 2015: M: \$766,000 O: \$1,331,000 T: \$2,097,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,910,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$120,000) is to clean and repair piezometers and (\$300,000) conduct geotechnical investigations and analyses. Critical infrastructure project review package (\$100,000) is to evaluate systems and prepare for system modifications to increase level of physical security.

RC: \$63,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$113,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and National Environmental Policy Act (NEPA) compliance activities.

WS: \$11,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Ray Roberts Lake has more than \$22,154,490,100 in cumulative flood damages prevented. Over 1,188,694 recreation visits in FY 2012 and a local economic impact of more than \$14,116,000 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$47,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sabine - Neches Waterway, TX

AUTHORIZATION: House Document 553, 87th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Sabine - Neches Waterway (SNWW) project is a 40 feet deep by 400 feet wide network of navigation channels totaling approximately 97 miles. The project extends from the deep water of the Gulf of Mexico to the port facilities at Port Arthur, the Port of Beaumont (via the Neches River), and the Port of Orange (via the Sabine River). The project is located in the vicinities of Beaumont, Port Arthur, Orange, and Sabine Pass in Jefferson and Orange Counties, Texas, and Cameron and Calcasieu Parishes, Louisiana.

ALLOCATION FOR FY 2014: \$17,039,000

BUDGETED AMOUNT FOR FY 2015: M: \$11,050,000 O: \$450,000 T: \$11,500,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$11,500,000 will be used for dredging of the Outer Bar and Bank Channel to project depth (\$3,780,000), dredging of the Outer Bar and Bank Channel to advanced maintenance depth (\$1,800,000), sea turtle trawling activities associated with maintenance dredging of the Outer Bar and Bank Channel (\$20,000), levee improvements at Placement Area #8 & 11 (\$5,450,000), and routine operation and maintenance of the facilities at the Neches River Saltwater Barrier facilities (\$450,000). These funds would improve navigation performance and reliability.

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The port facilities at Beaumont, Port Arthur and Orange are ranked 6th, 24th and 110th in the nation with respect to commercial import and export tonnage. The SNWW supports a large percentage of the Nation's petrochemical industry and has two Liquefied Natural Gas (LNG) facilities. Unlike other liquid cargo vessels, LNG vessels cannot be lightered and require under-keel clearances between 5-7 feet for safety considerations. The Port of Beaumont is classified as a "Strategic Port" as it is a major outload port for military deployments. Therefore, proper maintenance dredging of the Neches River reach is critical to the support the military mission.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$277,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Sam Rayburn Dam and Reservoir, TX

AUTHORIZATION: River and Harbor Acts of 1945 and 1948

LOCATION AND DESCRIPTION: The Sam Rayburn Dam and Reservoir project is located in Angelina, San Augustine, Sabine, Nacogdoches, and Jasper Counties, on the Angelina River, about ten miles northwest of the city of Jasper, Texas. Features of the dam include: an earth embankment, combined concrete power intake and flood control outlet works, a labyrinth weir spillway, and two gate controlled conduits. Flood control storage capacity is 1,099,500 acre-feet, power pool storage is 1,446,500 acre-feet, and water supply storage is 43,000 acre-feet. Twenty-eight recreation areas comprise 3,151 acres. The project contains two 30,000 kW hydropower generation units.

ALLOCATION FOR FY 2014: \$6,950,000

BUDGETED AMOUNT FOR FY 2015: M: \$5,086,000 O: \$4,149,000 T: \$9,235,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,672,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$100,000) to repair and airlift piezometers and relief wells located above power pool and (\$50,000) to clear vegetation and sediment along spillway channel.

RC: \$1,541,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: \$4,844,000 - Funds will be used for critical routine operation and maintenance on hydropower generations and power plant equipment. Maintenance package (\$2,400,000) is to replace main transformers.

EN: \$1,167,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities. Master plan package (\$300,000) is to update the current plan.

WS: \$11,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Sam Rayburn Dam and Reservoir has more than \$1,230,479,805 in cumulative flood damages prevented. Over 1,419,184 recreation visits in FY 2012 and a local economic impact of more than \$23,546,849 took place in FY 2010. Hydropower produced in FY 2013 totaled 47,471 MWh.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$100,000. As of the date this justification sheet was prepared, the total unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Somerville Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Somerville Lake is located in Burleson, Lee, and Washington Counties on Yegua Creek, about two miles south of the city of Somerville, Texas. The project consists of an earth fill dam, a dike, an uncontrolled spillway, conduit and gated intake. Flood control storage capacity is 347,400 acre-feet and conservation/water supply storage is 158,900 acre-feet. Eleven recreation areas comprise 3,599 acres.

ALLOCATION FOR FY2014: \$3,059,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,215,000 O: \$1,678,000 T: \$2,893,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,412,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$185,000) is to remove woody vegetation from toe of dam.

RC: \$1,290,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$180,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Somerville Lake has more than \$190,058,300 in cumulative flood damages prevented. Over 1,125,715 recreation visits in Fiscal Year 2012 and a local economic impact of more than \$14,554,290 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Stillhouse Hollow Dam, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Stillhouse Hollow Lake is located in Bell County on the Lampasas River, 16 river miles upstream from its confluence with the Little River, and 5 miles southwest of the city of Belton. The project consists of an earth fill flood control dam, a dike section, and an uncontrolled spillway. Flood control storage capacity is 394,700 acre-feet and conservation/water supply storage is 232,000 acre-feet. Controlled flood releases are accomplished through two hydraulically-operated floodgates. Seven recreation areas comprise 2,089 acres.

ALLOCATION FOR FY2014: \$1,993,000

BUDGETED AMOUNT FOR FY 2015: M: \$316,000 O: \$2,340,000 T: \$2,656,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,460,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$250,000) to evaluate seepage of the right abutment, (\$200,000) to evaluate seepage of the outlet structure, and (\$250,000) for the development of water control manuals.

RC: \$1,025,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$160,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$11,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Stillhouse Hollow Lake has more than \$155,214,900 in cumulative flood damages prevented. Over 440,921 recreation visits in Fiscal Year 2012 and a local economic impact of more than \$3,070,518 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Texas City Ship Channel, TX

AUTHORIZATION: House Document 427, 86th Congress, 2nd Session

LOCATION AND DESCRIPTION: The Texas City Ship Channel project is a 45 feet by 400 feet wide by 7.6 miles long channel extending from the intersection with the Houston Ship Channel to the port facilities at Texas City. This project supports the petrochemical industry facilities at the Port of Texas City.

ALLOCATION FOR FY 2014: \$5,657,000

BUDGETED AMOUNT FOR FY 2015: M: \$350,000 O: \$0 T: \$350,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: \$350,000 will be used to perform maintenance dredging within the Industrial Canal and Turning Basin to project depth. These funds will improve navigation performance and project reliability.

FRM: N/A

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: The Port of Texas City is ranked 11th in the nation with respect to commercial import and export tonnage. The project was recently deepened from 40 feet to 45 feet in 2011. As of 2011, the Port of Texas City supports approximately 150,372 jobs, personal income of \$6.3M, and business sales of \$36.8M. These estimates include direct, indirect and induced income effects of the project.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$35,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Town Bluff Dam, B.A. Steinhagen Lake, TX

AUTHORIZATION: River and Harbor Act of 1945

LOCATION AND DESCRIPTION: Town Bluff Dam, B. A. Steinhagen Lake and the Robert Douglas Willis Hydropower Project are located in Tyler and Jasper Counties, on the Neches River, one-half mile from the city of Town Bluff, Texas. The project consists of an earth fill concrete capped embankment which serves as an uncontrolled spillway. The outlet works is controlled by 6 - 40 foot tainter gates. The lake has ten recreation areas comprising 2,185 acres and two 3,700 kW hydropower generation units.

ALLOCATION FOR FY 2014: \$3,262,000

BUDGETED AMOUNT FOR FY 2015: M: \$3,243,000 O: \$1,732,000 T: \$4,975,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,255,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$100,000) is to perform geophysical investigation.

RC: \$531,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: \$3,012,000 - Funds will be used to operate and maintain hydropower generations and power plant equipment. Maintenance package (\$1,300,000) is to replace governor and excitation systems, (\$900,000) to replace and upgrade SCADA system.

EN: \$177,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: N/A

OTHER INFORMATION: Town Bluff Dam and BA Steinhagen Lake has more than \$217,143,495 in cumulative flood damages prevented. Over 263,538 recreation visits in FY 2012 and a local economic impact of more than \$590,061,265 took place in FY 2010. Hydropower produced in FY 2013 totaled 27,340 MWh.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$152,000. As of the date this justification sheet was prepared, the total unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Waco Lake, TX

AUTHORIZATION: Flood Control Act of 1954

LOCATION AND DESCRIPTION: Waco Lake is located in McLennan County on the Bosque River, 4.6 miles above its confluence with the Brazos River, and two miles west of Waco, Texas. The project consists of a rolled earth fill dam, a spillway which is controlled by fourteen tainter gates. One 20-foot diameter conduit in outlet works is controlled by three broome-type tractor sluice gates. Flood control storage capacity is 573,300 acre-feet and conservation/water supply storage is 135,700 acre-feet. Eleven recreation areas comprise 3,599 acres.

ALLOCATION FOR FY 2014: \$3,570,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,442,000 O: \$1,516,000 T: \$2,958,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,720,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$120,000) to install new piezometers, (\$125,000) to relocate water line, and (\$300,000) to clean spillway foundation drains due to properly draining which could cause a life safety issue for City of Waco.

RC: \$1,108,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$116,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities.

WS: \$14,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Waco Lake has more than \$423,539,400 in cumulative flood damages prevented. Over 1,025,839 recreation visits with a local economic impact of more than \$14,493,192 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$0. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wallisville Lake, TX

AUTHORIZATION: River and Harbor Acts of 1945, 1946, and 1962 and the Supplemental Appropriations Act of 1983 (PL 98-63)

LOCATION AND DESCRIPTION: The Wallisville Lake project is a multiple purpose project built on the Trinity River to prevent salinity intrusion and provide water supply, recreation, navigation, and fish and wildlife enhancements. The project includes approximately 8 miles of earthen dam, an overflow spillway with a tainter gate assembly, and an 84 by 600 feet navigation lock with a sill depth of 16 feet for commerce and pleasure craft use.

ALLOCATION FOR FY 2014: \$2,283,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,555,000 O: \$1,798,000 T: \$3,353,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$3,353,000 will be used for labor (district and field) (\$1,798,000), non-labor field costs for critical routine operation of the project, critical routine maintenance of the project, implementing the stream gauging and water control bill-back programs (\$255,000), and performing critical repairs and rehabilitation to the Structure "A" gate (\$1,300,000). These funds will improve project performance and reliability.

REC: N/A

H: N/A

EN: N/A

WS: N/A

OTHER INFORMATION: None.

1/ Unobligated Carry-in Funding: The actual unobligated balance from FY13 into FY14 for this project is \$33,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 15 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Whitney Lake, TX

AUTHORIZATION: Flood Control Acts of 1941 and 1944

LOCATION AND DESCRIPTION: Whitney Lake is located in Hill, Bosque and Johnson Counties at river mile 442 on the Brazos River, 5.5 miles southwest of the city of Whitney and 35 miles upstream from the city of Waco, Texas. The project consists of a concrete gravity, earth fill dam, and a spillway that is controlled by seventeen tainter gates. The 23,560 acre lake has a flood storage capacity of 1,372,400 acre-feet and water supply storage is 248,100 acre-feet. The project has thirty-four recreation areas totaling 5,394 acres. The project contains two 17,000 kW hydropower generating units.

ALLOCATION FOR FY 2014: \$8,546,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,559,000 O: \$5,332,000 T: \$6,891,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,825,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance package (\$100,000) is to install levee barriers.

RC: \$1,785,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: \$2,411,000 – Funds will be used for critical routine operation and maintenance of hydropower generations and power plant equipment.

EN: \$862,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities. Master plan package (\$523,000) is to update the current plan.

WS: \$8,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Whitney Lake has more than \$958,087,600 in cumulative flood damages prevented. Over 1,195,394 recreation visits in Fiscal Year 2012 and with a local economic impact of more than \$15,182,265 took place in FY 2010. Hydropower produced in FY 2012 totaled 24,672 MW.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$1,000,000. As of the date this justification sheet was prepared, the total unobligated dollars estimated to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work as follows: N/A.

APPROPRIATION TITLE: Operation and Maintenance

PROJECT NAME: Wright Patman Dam and Lake, TX

AUTHORIZATION: Flood Control Act of 1946

LOCATION AND DESCRIPTION: Wright Patman Dam and Lake is located in Cass and Bowie Counties, on the Sulphur River, and is 9 miles southwest of the city of Texarkana. The project consists of an earth fill dam, uncontrolled spillway, two conduits, and four gates. Flood control storage is 2,329,100 acre-feet and water supply storage is 321,900 acre-feet. Twenty-three recreation areas consist of 3,243 acres.

ALLOCATION FOR FY 2014: \$4,466,000

BUDGETED AMOUNT FOR FY 2015: M: \$1,859,000 O: \$1,636,000 T: \$3,495,000 1/

DESCRIPTIONS OF WORK AND JUSTIFICATIONS FOR FY 2015:

N: N/A

FRM: \$1,945,000 - Funds will be used for critical routine operation and maintenance of dams, levees, and other flood risk management structures insuring the project is performing as designed. These funds would improve performance and efficiency by reducing the risk of failure, flooding, and loss of life. Maintenance packages include (\$280,000) to install fall arrest system and barriers to provide protection when moving floor grates, (\$200,000) to add downstream blanket and extend relief well housings and piezometers along toe of dam, (\$150,000) to airlift piezometers and relief wells, and (\$75,000) to place safety chain restraints (handrails) around service gate slots in outlet works tower.

RC: \$1,235,000 - Funds will be used to operate and maintain parks and other public use areas, including ranger patrols; consolidated service contracts; utilities; and real estate management.

H: N/A

EN: \$301,000 - Funds will be used to identify, maintain, and protect natural and cultural resources, including monitoring of threatened and endangered species; invasive species control; public education programs; and NEPA compliance activities. Package (\$10,000) is to protect sites at Rabbit Island and Caddo Tribe Archeological area.

WS: \$14,000 - Funds will be used to monitor water usage; manage current water storage agreements; and track water storage contract billing and payments.

OTHER INFORMATION: Wright Patman Dam and Lake has more than \$96,602,100 in cumulative flood damages prevented. Over 901,369 recreation visits in FY 2012 and a local economic impact of more than \$9,315,165 took place in FY 2010.

1/ Unobligated Carry-in Funding: The actual unobligated balance from 2013 into 2014 for this project is \$10,000. As of the date this justification sheet was prepared, the total unobligated dollars to be carried into Fiscal Year 2015 from prior appropriations for use on this effort is \$0. This amount will be used to perform work on the project as follows: N/A