

# Report to Congress on Future Water Resources Development

February 2015

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Section 7001 of WRRDA 2014 requires that the Secretary of the Army annually submit to Congress, a report that identifies potential future water resources development through completed feasibility reports, proposed feasibility studies, and proposed modifications to authorized projects or studies. Section 7001 requires that the Secretary annually publish a notice in the Federal Register requesting proposals from non-Federal interests and certify that those proposals included in the annual report meet the criteria established by Congress in that section. The report reflects information provided by non-Federal interests in response to that notice.

On 5 August 2014, the United States Army Corps of Engineers (USACE) published in the Federal Register (<http://www.gpo.gov/fdsys/pkg/FR-2014-08-05/pdf/2014-18495.pdf>), a notice for proposals from non-Federal interests by 3 December 2014. The proposal information received from non-Federal interests was reviewed to determine if it met the following criteria:

- A. related to USACE authorities and one or more of the core missions of flood risk management, navigation, or ecosystem restoration;
- B. required to have specific Congressional authorization, including an Act of Congress;
- C. not previously Congressionally authorized;
- D. have not been included in any previous annual report; and
- E. able to be carried out by the USACE, if authorized.

Of the 114 proposals received, 59 were proposals for new feasibility studies, 53 were proposals for modifications to existing projects or changes to legislation, and two were completed feasibility reports that are currently undergoing Army review. Of these 114 proposals, 19 met the criteria and are listed in the Annual Report Table. The remaining 95 proposals that did not meet the criteria are captured in the Appendix with an explanation of which specific criteria were not met. (All 114 proposals provided by non-Federal interests are also available at <http://www.usace.army.mil/Missions/CivilWorks/ProjectPlanning/LegislativeLinks.aspx>.) The primary reason proposals are included in the Appendix is because there is already an existing specific or general authority, such as Section 216 of the Flood Control Act of 1970.

Upon reviewing the proposals, it has been determined that there are many variances in how information was provided by the non-Federal interests. For example, an area of concern is the cost information provided by non-Federal interests, which appears inconsistent across the proposals and is generally without backup on how the costs were determined. Some proposals included only costs related to conducting a feasibility study while others included the cost of construction. Another issue is that some of the proposals may have included all or a portion of the Federal cost only. These issues make it difficult for USACE to validate and understand the projected numbers and other information provided by non-Federal interests and therefore it is premature to provide it at this time.

In addition, please note that a Chief's Report does not indicate the review process has been completed. There are many ongoing USACE feasibility studies, as well as studies with a Chief's Report that are still undergoing review. In two cases, parties responding to the Federal Register notice proposed reports that USACE has completed Chief's Reports and that are now in the review process. Seven other Chief's Reports have been signed but were not proposed by non-Federal interests.

The Assistant Secretary of the Army (Civil Works) certifies that, based on the information received from the non-Federal interests, each proposed feasibility study and proposed modification to an authorized water resources development project or feasibility study included in this report meets the criteria established in Section 7001.

This report is in response to the requirements of Section 7001 and does not reflect program, policy, and budgeting priorities. The information provided by the non-Federal interests has not been revised or developed by USACE or Army and is not endorsed by USACE or Army.

**Annual Report**

Included in this Annual Report is a listing of the proposals that have been determined as meeting the criteria in WRRDA 2014 Section 7001. This table summarizes the information provided by the Non-Federal interests and there are variances in how the information was provided by the Non-Federal interests.

<b>State</b>	<b>Name of Proposal</b>	<b>Sponsor (s)</b>	<b>Type: Proposed Feasibility Study, Proposed Modification, and Feasibility Report</b>	<b>Purpose</b>	<b>Benefits</b>	<b>Letter (s) of Support Received? Y/N</b>
CA	Del Rosa Drainage Area Feas Study	San Bernardino County Flood Control District	Proposed Feasibility Study	To obtain data and assist in feasibility level work to alleviate the flood issues throughout the watershed and provide environmental enhancements where possible.	Public health and safety; flood protection; increased economic activity	Y
CA	Mission-Zanja Drainage Area Feas Study	San Bernardino County Flood Control District	Proposed Feasibility Study	To obtain data and assist in feasibility level work to alleviate the flood issues throughout the watershed and provide environmental enhancements where possible.	Public health and safety; flood protection; increased economic activity	Y
LA	St. Tammany Parish Government Comprehensive Coastal Master Plan Project	St. Tammany Parish Government	Proposed Feasibility Study	FRM; Ecosystem Restoration (marshes); fisheries	Facilitate better water exchange and fisheries; as well as improve FRM	N
NY	Silver Creek FRM/EnviroRestoration Dredging Feas. Study	Chautauqua County	Proposed Feasibility Study	Assess the feasibility of dredging the mouth of Silver Creek (where it enters Lake Erie) and recommend a strategy to minimize flooding as a result of ice and debris jams, and to improve hydraulic capacity, fish passage and habitat.	Increase the probability that additional effective environmental restoration projects will be funded and constructed in the project watershed; Protection of human life and property through improved water quality, fish habitat and reduced risk of flooding and hazards to recreational boaters.	Y

State	Name of Proposal	Sponsor (s)	Type: Proposed Feasibility Study, Proposed Modification, and Feasibility Report	Purpose	Benefits	Letter (s) of Support Received? Y/N
PR	Puerto Rico Island-Wide Beach Erosion and Storm Damage Reduction Study	Department of Natural and Environmental Resources (DNER) of Puerto Rico	Proposed Feasibility Study	To assess Island-wide coastal and beach erosion; formulate storm damage reduction strategies such as beach nourishment.	Shoreline protection; recreation and tourism improvements; protection of critical coastal infrastructure	Y
TX	Brazos River Erosion Management Study	Fort Bend County, TX	Proposed Feasibility Study	Investigate stream bank protection measures to reduce property damage associated with severe, ongoing riverbank erosion which undermines public and private investment adjacent to a 12,000 foot segment of the Brazos River in the City of Richmond, Texas.	Protect public infrastructure including levees, utilities, roads and railroad bridges, from continued erosion	Y
TX	Chacon Creek Feasibility Study	City of Laredo, Texas	Proposed Feasibility Study	To identify and implement potential measures that would reduce the risk of flooding and restore degraded aquatic ecosystems (FRM/ENR/REC)	BCR for the NED plan is 1.74-to-1.00, and additional environmental, economic, recreational, and educational opportunities are expected.	Y
TX	Cliff St Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	Keltner Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	Memphis Ave Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	Moorehead Ave Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y

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TX	Murchison Ave Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	Nashville Ave Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	Ohio St Reservoir Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	San Diego Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	Scenic Drive Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y
TX	Tremont Ave Dam TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y

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VA	Chincoteague Island Feas Study	Town of Chincoteague, VA (support anticipated from Accomack County and the Commonwealth of VA depending on scope of study)	Proposed Feasibility Study	To assess the current and future function of the barrier island/inlet/coastal bay system surrounding Chincoteague Island, develop an array of options for resource management, and evaluate the feasibility and cost associated with sustainable protection and restoration areas.	Protection of human life and property; maintain critical navigation routes and transportation; restore ecosystems; and improve national security.	Y
WA	Burley Creek Watershed FRM/EnviroRestoration Feas Study	Kitsap County, WA	Proposed Feasibility Study	To holistically analyze the Burley Creek basin from the Burley Lagoon in north Pierce County to the headwaters of Burley Creek in south Kitsap County. To identify remedial actions to mitigate the effects on the built environment, the natural environment, and the transportation of people and goods.	Protection of property through flood risk management; restore and protect water quality; improve transportation; maintain a high quality habitat.	Y

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## Appendix



**Appendix**

Included in this Appendix is a listing of the proposals submitted that were not included in the annual report with the reason(s) the Secretary determined that they did not meet the criteria for inclusion in the report. This table summarizes the information provided by the Non-Federal interests and there are variances in how the information was provided by the Non-Federal interests.

State	Name of Proposal	Sponsor (s)	Type: Proposed Feasibility Study, Proposed Modification, and Feasibility Report	Purpose	Benefits	Local Support Y/N	Letter (s) of Support Received? Y/N	* If the Proposal qualifies for the Appendix, specify which criteria(s) the proposal did not meet A-E ( see paragraph 3 in 7001 Implementation Guidance)	Explanation of why it is in the Appendix
AK	Emmonak Harbor Feasibility Study	Calista Corporation; the City of Emmonak	Proposed Feasibility Study	Navigation	Cost-effective and efficient transportation	Y	Y	A	Land side Local Service Facilities are not part of the Corps Navigation mission.
AK	Marshall Harbor Feasibility Study	Calista Corporation; The City of Marshall	Proposed Feasibility Study	Navigation	Reduced transportation costs for rock aggregate to be shipped to neighboring communities and allow cargo, fuel, and propane/LNG from Fairbanks as incoming cargo.	Y	Y	A	Land side Local Service Facilities are not part of the Corps Navigation mission.
AR & LA	Ouachita-Black Rivers Nav Prog - Bank Stab	Louisiana Department of Transportation and Development, Tensas Basin Levee District, and Arkansas Waterways Commission	Proposed Modification	Add bank stabilization as a project feature from mile 0 on the Black River, LA to mile 460 on the Ouachita River.	Directly improve the efficiency of the Navigation Project and would greatly enhance the flood damage prevented provided by the Ouachita River Levees, LA Project	Y	Y	A	Corps does not perform work for a Single User
AZ	Coconino County, Arizona Water Supply Feasibility Study	Coconino Plateau Watershed Partnership, Arizona Department of Water Resources, Coconino County, Hopi Tribe, Navajo Nation, City of Page, City of Flagstaff	Proposed Feasibility Study	Water Supply	Water supply for more than 12 Navajo Nation chapters, all of the Hopi Tribe villages, 12 non-tribal communities, and the Grand Canyon National Park.	Y	Y	A	Water supply is not a primary mission
AZ	Halchita to Kayenta Pipeline Study	Navajo Nation	Proposed Feasibility Study	Water Supply and water quality	More sustainable water source for the Navajo population and better drinking water quality	Y	Y	A	Water quality is not a Corps mission
AZ	San Pedro River Restoration Study	Cochise County	Proposed Feasibility Study	FRM; river channel stability	Restoration measures; pros and cons of keeping the dam versus removing it.	Y	N	B, C	Existing Authorization: Section 6 of the Flood Control Act of 1938; CAP Sec 205

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AZ	Southwest Navajo Rural Water Project	The Navajo Nation; Dilkon Hospital Steering Committee, the Navajo Nation Department of Water Resources, the Navajo Tribal Utility Authority (NTUA), (IHS), (USDA), (USEPA) (BIA)	Proposed Feasibility Study	Water Supply; Develop a list of preferred actions against reoccurring drought in the area	Stimulate economic growth in the area; human safety	Y	Y	A	Water supply is not a primary mission
AZ-NM	Western Navajo Pipeline Feas Study	The Navajo Nation Department of Water Resources (plus other possible beneficiaries)	Proposed Feasibility Study	To investigate the Western Navajo Pipeline and build off of previous investigations in the area. Goals include (1) a new intake at Lake Powell, (2) increased water treatment capacity at the city of Page, and (3) a waterline between Page and LeChee.	Economic development, reduction in water hauling costs, improvement of public health and safety.	Y	Y	A	Water treatment and water lines are not a Corps mission
CA	American River Watershed Common Features	State of California Central Valley Flood Protection Board; CA Dept. of Water Resources; Sacramento Flood Control Agency	Proposed Modification	FRM, GRR evaluates two alternatives (Alternatives 1 and 2) for improving levee performance and reducing the risk of levee failure along the Lower American and Sacramento Rivers and their tributaries in the North Sacramento area.	Levee seepage and underseepage along the Sacramento River east levee, the Natomas East Main Drainage Canal east levee, the Arcade Creek north and south levees, and the Dry/Robla Creek south levee; Erosion control along the American River north and south levees and the Sacramento River east levee; and Raising and strengthening the Magpie Creek Diversion Channel west levee.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970Project needs additional authorization for a replacement plan.
CA	Cache Creek Settling Basin Study	Central Valley Flood Protection Board; CA Dept. of Water Resources	Proposed Modification	Flood Risk Management	FRM; sediment management	Y	Y	B, C	Existing Authorization : Construction of Phase 2 is authorized to start in 2018, however a PACR is need first to address changed conditions and the 902 prior to finalizing design for implementation.
CA	Coyote Valley Dam	Sonoma County Water Agency	Proposed Modification	Onset of new factors affecting reservoir management	Water supply	Y	Y	A	Water supply is not a primary mission
CA	EMWD Indirect Potable Reuse Program (IPR) Feasibility Study	Eastern Municipal Water District (EMWD)	Proposed Feasibility Study	The proposed study will design and execute the pilot testing for the IPR Program and develop the Program Definition Report that will document the framework for the program, which will utilize advanced treatment options	Will improve the reliability of the water supply available to EMWD, providing increased local supply sources that are less influenced by changing climactic conditions.	Y	Y	A	Water supply is not a primary mission

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CA	Harbor/South Bay Water Recycling Project, Los Angeles, CA	West Basin Municipal Water District	Proposed Modification	Increase authorization ceiling of existing Project from 35M to 70M	Sustainable recycled water/ ENR/WS	Y	Y	A	Water supply is not a primary mission
CA	Llagas Creek Flood Protection Project Authorization Change Request 1	Santa Clara Valley Water District; City of Morgan Hill	Proposed Modification	Revise paragraph from WRDA 07 that is in conflict with WRDA '99	FRM; flood damages prevented	Y	Y	A	Legislative change, not a project or study proposal
CA	Llagas Creek Flood Protection Project Authorization Change Request 2	Santa Clara Valley Water District; City of Morgan Hill	Proposed Modification	Change project authorization to allow the local sponsor to complete the project with the USACE acting as a non-financial partner.	FRM; flood damages prevented	Y	Y	A	Legislative change, not a project or study proposal
CA	South San Francisco Bay Shoreline Study	Santa Clara Valley Water District; CA State Coastal Conservancy	Proposed Modification	To advance the feasibility study for the project currently underway for authorization as a Chief's report.	Habitat Restoration, FRM, Recreation and public access	Y	Y	B, C	Existing Authorization: Resolution adopted by the U.S. House of Representatives' Committee on Transportation and Infrastructure in 2002, and further guidance adopted through the WRDA in 2007 (Section 4027).
CA	Vista Grande Drainage Basin Improvement Project	City of Daly City	Proposed Feasibility Study	To alleviate localized and upstream flooding and resultant property damage by conducting a number of integrated improvements to the existing drainage system	Improve stormwater drainage, clean storm water to Lake Merced, improve recreational access.	Y	Y	A	Improving existing drainage system is not a primary mission
CA	Whittier Narrows Flood Control Basin Project	City of South El Monte, CA	Proposed Modification	To terminate and remove the easement – to permit development of the site	Improved flood control management systems and safety measures; improvements to transportation	Y	Y	A	Impacts a Corps flood control project and is not directly related to a Corps mission
CT	Southington, CT - Water Supply Mod	Board of Water Commissioners for the Town of Southington, CT	Proposed Modification	To complete design, engineering and construction of four additional urgent water supply projects in the town of Southington.	Local and regional economic benefits, ability to meet critical water supply needs, improved water quality, reduce the costs of current operations, improved fire protection (public health and safety).	Y	Y	A, B, C	Environmental Infrastructure is not a primary Corps mission. Existing Authorization: Section 219
DE	Indian River Inlet Sand Bypassing Reauthorization	Delaware Dept. of Natural Resources and Environmental Control	Proposed Modification	The authorization of the Federal/non-federal partnership of the existing sand bypassing operations is set to expire in 2021. DNREC is presently the non-federal partner and requests reauthorization so that shore protection and erosion control efforts can continue.	Protection of human life and property; improvements to transportation, the national economy, the environment, and US national security interests.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
DE	Lewes Beach	Delaware Dept. of Natural Resources and Environmental Control	Proposed Modification	To extend the authorized project limit from its present eastward terminus to a distance of 8,000 feet east of the Roosevelt Inlet east jetty for hurricane and storm damage reduction.	Protection of human life and property; improvements to transportation, the national economy, the environment, and US national security interests.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970

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DE	Misphillion Complex Project	Delaware Dept. of Natural Resources and Environmental Control	Proposed Modification	To provide a system-wide approach to reduce the threat of breaching and stabilize the estuarine barrier, Conch Bar, located north of and immediately adjacent to the existing Misphillion Inlet jetty structure.	Protection of human life and property; improvements to transportation, the national economy, the environment, and US national security interests.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
FL	Billy's Creek	City of Fort Myers	Proposed Modification	Creek restoration modification project at Billy's Creek (SAJ-2013-02256 (LOP-MMB)) which is a Section 404 waterway.	restore the creek to a healthier condition, the cross-sectional area will be increased, the invert elevation will be decreased RESULTING IN A more uniform and static channelization of the creek, thereby minimizing the potential of the creek to meander	Y	Y	B, C	Existing Authorization: Continuing Authorities Program Section 206 (WRDA 1996)
FL	Caloosahatchee Seawall	City of Fort Myers	Proposed Feasibility Study	Study to consider repair/replacement seawalls to reduce coastal storm damage within the City of Fort Myers road right-of-ways abutting the Caloosahatchee River	Attenuate wave action on adjacent landforms and minimization of coastal erosion associated with the wave actions.	Y	Y	B, C	Existing Authorization: Continuing Authorities Program Section 14 or Section103
FL	Ft. Pierce, FL Shore Protection Project	St. Lucie County; State of Florida	Proposed Modification	Provide opportunities for benefit cost savings and improve effectiveness of the federally authorized Ft. Pierce Shore Protection Project	Mitigation of continued shoreline erosion; storm damage reduction/protection; provides critical environmental habitat for local species; economic benefits	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
FL	Lake Okeechobee-Everglades Ecosystem Protection Project	Okeechobee Utility Authority	Proposed Feasibility Study	TO provide for the removal of approximately 1,600 septic tanks and associated drain fields and several small wastewater package treatment plants which impact both environmental and aquatic ecosystems	Water quality improvements; ecosystem restoration	Y	Y	A	Water quality is not a Corps mission
FL	Okaloosa County Shore Protection Project	Okaloosa County; State of Florida; City of Destin	Proposed Feasibility Study	hurricane and storm damage reduction, identify opportunities for environmental restoration and protection, and develop an economically justified shore protection project for the Gulf of Mexico shoreline in Okaloosa County	Reduce storm damage potential on infrastructure; provide critical habitat; recreation	Y	Y	B, C	Existing Authorization: House Resolution 2758 adopted June 28, 2006
FL	Pincrest's Comprehensive Waterline Extension Project	Village of Pinecrest	Proposed Feasibility Study	Water Supply; water quality; lack of fire protection via hydrants	Improved and sustainable water quality and access to residents;	Y	Y	A	Environmental Infrastructure is not a primary Corps mission

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FL	Restoration of Water Quality in the Impaired Waters of Charlotte Harbor project	Charlotte County Board of County Commissioners	Proposed Modification	To amend the WRDA 2007 Section 5158 authorized water supply infrastructure to add waste water infrastructure, which would restore and protect the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches and coastal wetlands of the Gulf Coast ecosystem	Habitat Restoration; Water quality improvements; stewardship of the environment	Y	Y	A	Environmental Infrastructure is not a primary Corps mission. Existing Authorization: Section 219
IA	Des Moines and Raccoon Rivers General Reevaluation	City of Des Moines	Proposed Modification	Evaluate the impacts of the increased flood risk identified in the USACE's 2010 Des Moines River Regulated Flow Frequency Study; Evaluate a variety of structural and non-structural flood risk management measures to increase their level of protection.	Protect human life and property; improve transportation, the national economy and the environment; protect national security interests of the US.	Y	Y	B, C	Existing Authorization: Section 216 FCA 1970. WRDA 2007, PL 110-114 [HR 1495], Section 1001(21) on 11/8/2007 "Des Moines and Raccoon Rivers, Des Moines, Iowa"
IA	Des Moines Reservoir Re-regulation of Red Rock Dam - Saylorville	City of Des Moines	Proposed Modification	Provide additional storage to supplement the flood control capacity of the Lake Red Rock downstream, and to help reduce flood crests on the Des Moines and Mississippi River.	Protect human life and property; improve transportation, the national economy and the environment; protect national security interests of the US.	Y	Y	B, C	Existing Authorization: Flood Control Act 1938; PL75-761
IA	Dubuque Interior Drainage Study	City of Dubuque, IA	Proposed Modification	To ensure the viability and stability of the system that was designed 50 years ago will continue to provide flood protection and prevent flood damage by improving drainage at the project site.	Flood protection. The project is estimated to prevent approximately \$28.9 million flood damages per year.	Y	Y	B, C	Existing Authorization: The Study would be a new start under the original authority by the Committee on Flood Control of the House of Representatives adopted 18 September 1944, and by the Committee on Public Works of the House of Representatives adopted October 19, 1967, and Section 216 of the 1970 Flood Control Act.
IA	Dubuque Local Flood Protection Proj. Modifications	City of Dubuque, IA	Proposed Modification	To ensure the viability and stability of the system that was designed 50 years ago will continue to provide flood protection and prevent flood damage by studying potential necessary improvements at the project site.	Flood protection. The project is estimated to prevent approximately \$28.9 million flood damages per year.	Y	Y	B, C	Existing Authorization: The Study would be a new start under the original authority by the Committee on Flood Control of the House of Representatives adopted 18 September 1944, and by the Committee on Public Works of the House of Representatives adopted October 19, 1967, and Section 216 of the 1970 Flood Control Act.
IA	Lake Peosta Recreational Channel Study	City of Dubuque, IA	Proposed Feasibility Study	Create a stable and calm water environment and reestablish native habitat for fishing, boating, swimming and other outdoor recreational activities by designing the western edge of the island and the Peosta Channel to become a water-based environmental habitat restoration and recreation area.	Improve accessibility and availability of walking and biking trails and other recreational benefits on Lake Peosta and the Mississippi River in the project area.	Y	Y	B, C	Existing Authorization: Continuing Authorities Program Section 206

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IL	Greater Peoria Sanitary District	The Greater Peoria Sanitary and Sewage Disposal District, an Illinois Municipal Corporation	Proposed Feasibility Study	FRM - design and construction of a levee improvement to meet the certification requirements of FEMA for the base flood.	Prevent untreated sewage from being discharged to the Illinois River and the economic loss to the sponsor.	NA	N	B, C	Existing Authorization: Continuing Authorities program Section 205.
IL	Hunt-Lima Drainage and Levee District Levee - Modification Proj	Hunt-Lima Drainage and Levee District	Proposed Modification	Improve the existing levee from an approximately 50-year design to a 100-year design, which would include adequate freeboard to attain FEMA certification, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed project would protect the population, and would provide additional protection for both human health and the economies beyond the existing estimated annual damages prevented of approximately \$4.6 million.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
IL	Indian Grave Drainage District Levee - Modification Proj	Indian Grave Drainage District	Proposed Modification	Improve the existing levee from an approximately 50-year design to a 100-year design, which would include adequate freeboard to attain FEMA certification, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed modified project would provide additional protection for human health and economies beyond the existing estimated annual damages prevented of approximately \$3.1 million.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
IL	Johnsburg Watershed Restoration Initiative	Village of Johnsburg	Proposed Feasibility Study	To provide an impartial and comprehensive review of significant environmental, habitat, flood protection and stream bank stabilization issues impacting local, regional and national interests.	Provide impartial technical watershed management "roadmap" for future; provide recommendations for improved drainage which will benefit wildlife, reduce flooding, and improve water quality.	Y	Y	B, C	Existing Authorization: Three study resolutions by the Committee on Public Work, House of Representatives; July 49, June 61 and April 74, as well as the Illinois River 519 Study Authority
IL	Sny Island Drainage District Levee - Modification Proj	Sny Island Drainage District	Proposed Modification	Improve the existing levee from an approximately 100-year design to a 100-year design, which would be sufficient to retain FEMA certification, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed modified project would provide additional protection for human health, roadways, railways, and businesses beyond the existing estimated annual damages prevented of approximately \$32.6 million.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970

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IL	South Quincy Drainage District Levee - Modification Proj	South Quincy Drainage & Levee District	Proposed Modification	Improve the existing levee to reestablish an approximate 500-year design, which would meet all requirements to retain FEMA certification, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed modified project would provide additional protection for human health, roadways, railways, and businesses beyond the existing estimated annual damages prevented of approximately \$86 million.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
IN	Nashville, IN, Water Supply and FRM Study	Town of Nashville, IN	Proposed Feasibility Study	Determine the impacts of constructing a water source for the Town of Nashville by creating a lake and potable water production facility.	Increase customer's awareness and understanding of the project; Increase support of local economic interest groups and anti-development interest groups; Lessen the financial burden on Nashville Water Utility; Mitigate further cost of living increases.	Y	Y	B, C	Existing Authorization: General Study Authority for water resources in the Wabash River Basin
KS and MO	Phase 1 Kansas City Levees Project - Mod	City of Kansas City, MO; Kaw Valley Drainage District of Wyandotte County, KS; Fairfax Drainage District of Wyandotte County, KS; North Kansas City Levee District of Clay County, MO.	Proposed Modification	Flood protection. (Requesting modification to the authorized total project cost to \$516,000,000 fully funded and adding Phase 2 Levee Unites of the Armourdale and Central Industrial District, KS and MO to the authorized project per the recommendations of the pending Chief's Report).	Provide reliable flood protection with recommended improvements, which are estimated to produce annual benefits of more than \$30,000,000 and have a combined benefit-cost ratio of 5.4:1 (the second highest of listed projects in the President's 2015 Budget Report).	Y	Y	B, C	Existing Authorization: Authorization exists to ascertain a cost increase above the current authorization a PACR would have the be completed. If the PACR showed need for re-authorization then the request/report would be forwarded to congress
LA	Baptiste Collette Deepening Study	Louisiana Dept. of Transportation and Development; Plaquemines Parish Government	Proposed Feasibility Study	To evaluate the economic justification of deepening the Baptiste Collette waterway to a depth of 22 feet.	Transportation cost savings are expected for mid-sized vessels by providing shorter access to the eastern Gulf of Mexico in lieu of transiting via Southwest Pass; Also improved safety for mid-sized vessels who currently share the Mississippi River Ship Channel.	Y	Y	B, C	Existing Authorization: The River and Harbor Act of 1968 provided for enlargement (to 14' deep x 150' wide) and maintenance of the existing channel as one of the additional navigation outlets from the Mississippi River in the vicinity of Venice

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LA	Comite River Diversion Project, Modifications to PCA	Louisiana Dept. of Transportation and Development; Amite River Basin Commission; East Baton Rouge Parish	Proposed Modification	Eliminate the Brooks Lake Closure project feature, allow NFS to perform work-in-kind, and change the Federal/Non-Federal funding ratio from 75/25% to 65/35%. These modifications will reduce costs, manage the project schedule more efficiently, expedite the work by the NFS, and place the project in a more favorable funding position.	The proposed modifications will have no impact on the efficacy of the project, but they are expected to reduce costs, manage the project schedule more efficiently, expedite the work by the NFS, and place the project in a more favorable funding position.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
LA	Houma Navigation Canal Deepening	Louisiana Dept. of Transportation and Development; Terrebonne Port Commission	Proposed Feasibility Study	Evaluate the economic justifications for deepening the Houma Navigation Canal from the currently authorized depth of 15 feet to an increased, necessary depth of 20 feet.	Transportation cost savings are expected (the offshore oil and gas industry's deepwater offshore rigs bring supply vessels that require a deeper draft).	Y	Y	B, C	Existing Authorization: The River and Harbor Act of 1962, section 5 of the River and Harbor Act of 1915, authority was granted on 23 Aug 1973 to increase the HNC project dimension to 18' deep x 300' wide between mile 0 and the 18 foot contour of the Gulf of Mexico
LA	Mississippi River Ship Channel, Gulf to Baton Rouge, LA	Louisiana Dept. of Transportation and Development	Proposed Modification	To implement the third phase of the Mississippi River Ship Channel, which authorizes a -55 ft channel. It must be confirmed that the project is still economically justified and verified that going to -50 ft is incrementally justified.	The ability for deeper draft traffic along the Mississippi River will be of significant value to the US economy by providing transportation cost saving.	Y	Y	B, C	Existing Authorization: Authorized by the 2nd Supplemental Appropriations Act of 1985, WRDA 1986 and WRDA 1988, and the E&WD Appropriations Act of 1993.
LA	Ouachita-Black Rivers Nav Prog - Nav Improv	Louisiana Department of Transportation and Development and Archie Terminal Company LLC (ATC)	Proposed Modification	Dredge the lower 14,000 feet of Little River where it empties into the Black River	Improvement to transportation	Y	Y	A	Corps does not perform work for a Single User
LA	Port of Iberia, Acadiana Gulf of Mexico Access Channel (AGMAC) Re-evaluation	Louisiana Dept. of Transportation and Development; Port of Iberia	Proposed Modification	Project was authorized in WRDA 2007 but was suspended in 2010 because the project was re-evaluated by the District and was determined to be not economically justified. With new 2014 WRRDA authorizing language, the purpose of this "limited" proposed study effort is to now identify a dredging and disposal plan to deepen the channels that is economically justified (within the Section 902 limit).	By increasing the depth of the access channel, the fabricators of topsides for the Offshore Oil and Gas Industry can assemble individual components into larger sections and float them out to the Gulf of Mexico. Another expected benefit is the reduced likelihood of topside fabrication from going overseas.	Y	Y	B, C	Existing Authorization: Port of Iberia, Louisiana authorized in Water Resources Development Act of 2007 (P.L. 110-114), Section 1001(25). The project was authorized at a total cost of \$131,250,000. 2007, WRDA. WRRDA 2014 rescinded WRDA 2007 authorizing language that directed the use of spoil material for incidental storm surge protection..
LA	Schneider Canal Levee Alignment project (SELA Storm Water project)	St. Tammany Parish Government	Proposed Modification	Revise the Project Management Plan to reduce the number of alternatives to be considered, and investigate alternative alignments of the proposed levee to better fit with their related projects in the area	Will provide the opportunity to fund the study as funding is not available to be utilized for use in St. Tammany Parish at this time	Y	N	B, C	Existing Authorization: WRDA 96 533(d)

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LA	St. Tammany Parish Government Comprehensive Water Quality Project	St. Tammany Parish Government	Proposed Feasibility Study	Water Quality	Reduce peak charges along the waterways	Y	N	A	Water quality is not a Corps mission
LA	W-14 (SELA Storm Water Project)	St. Tammany Parish Government	Proposed Modification	Requests the removal of the Robert Boulevard Detention Pond portion of the project	FRM economic benefits and added protection to human lives; environmental benefits	Y	N	B, C	Existing Authorization: WRDA 96 533(d)
MI	North Branch Ecorse Creek Flood Control Proj.	Wayne County, MI	Proposed Modification	Update project to current conditions and costs - needed due to significant demographic changes and development within the drainage district and increased flooding events.	Total project NED benefit estimate of \$12.8 million (\$12,504,000 flood damage reduction benefits, \$191,900 vehicle user cost reductions, and \$164,300 reductions in wastewater treatment costs). Also, significant positive economic impacts for Wayne County and the State of Michigan.	Y	Y	B, C	Existing Authorization: Section 102 of the RHA 1966 (PL-89-789)
MO	Blue River Basin (Dodson Industrial District) FRM Proj	City of Kansas City	Proposed Modification	Flood protection. (Requesting modification to the authorized total project cost to \$47,000,000 fully funded in order to complete the authorized project).	Protection of human life and property; improved transportation (sage access to the surrounding major commercial and industrial centers, and connecting highways that are frequently blocked without the project)	Y	Y	B, C	Existing Authorization: Study authorization exists to ascertain a cost increase above the current authorization a PACR would have the be completed. If the PACR showed need for re-authorization then the request/report would be forwarded to congress
MO	Des Moines and Mississippi Levee District No. 1 Levee System Improvement Proj	Des Moines and Mississippi Levee District No. 1	Proposed Modification	Improve the levee district's levee system by updating the protection provided to flood events based on more recent data (the original levee improvement was based upon pre-1950a methodologies and datasets).	The proposed modified project would provide significant human health and economic benefits associated with the existing project, which would improve upon the existing estimated annual damages prevented of approximately \$2.6 million.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970

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MO	Fabius River Drainage District Levee - Modification Proj	Fabius River Drainage District	Proposed Modification	Improve the existing levee from an approximately 100-year design to a 500-year design, which would be sufficient to meet all requirements and retain FEMA certification, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed modified project would provide significant human health and economic benefits associated with the existing project, which would improve upon the existing estimated annual damages prevented of approximately \$1.4 million.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
MO	Gregory Drainage District Levee - Modification Proj	Gregory Drainage District	Proposed Modification	Improve the existing levee from an approximately 50-year design to a 100-year design, which would include adequate freeboard to attain FEMA certification, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed modified project would provide additional protection for human health, roadway, railways, and business beyond the existing estimated annual damages prevented of approximately \$630,000.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
MO	Marion County Drainage District Levee - Modification Proj	Marion County Drainage District	Proposed Modification	Improve the existing levee from an approximately 50-year design to a 200-year design, which would include adequate freeboard and would be sufficient to meet FEMA certification requirements, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed modified project would provide additional protection for community infrastructure, human health and landowner investments beyond the existing estimated annual damages prevented of approximately \$650,000.	0	N	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
MO	South River Drainage District Levee - Modification Proj	South River Drainage District	Proposed Modification	Improve the existing levee from an approximately 50-year design to a 100-year design, which would include the adequate freeboard to attain FEMA certification, plus additional consideration due to uncertainties in climate change. This suggested improvement is based upon more recent data and methodologies than were available during the original levee improvement (pre-1950s data/methods were used previously)	The proposed modified project would provide additional protection for human health, roadways, railways, and agricultural property beyond the existing estimated annual damages prevented of approximately \$1.6 million.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
MO	Swope Park Industrial Area FRM Mod	City of Kansas City, MO	Proposed Modification	Flood protection. (Requesting modification to the authorized total project cost to \$32,029,000 fully funded in order to complete the authorized project).	Flooding relief and safe ingress/egress; local economic benefits	Y	Y	B, C	Existing Authorization: Study authorization exists to ascertain a cost increase above the current authorization a PACR would have to be completed. If the PACR showed need for re-authorization then the request/report would be forwarded to congress

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MO	Upper Mississippi, River Comprehensive Plan - Modification	Upper Mississippi, Illinois & Missouri rivers Association (UMIMRA)	Proposed Modification	To implement a systemic approach the reduces cumulative flood risk costs and annual flood damages, while simultaneously providing long term improvements to other system values and uses (ecological, economic, recreation, transportation, etc.).	Significant regional economic benefits, other social effects benefits for public health and safety and displacement, and flood risk reduction.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
MO and KS	Turkey Creek Basin FRM Mod	City of Kansas City, MO; the Unified Government of Wyandotte County; Kansas City, KS	Proposed Modification	Flood protection. (Requesting modification to the authorized total project cost to \$145,300,000 fully funded in order to complete the authorized project).	More than \$5 million in annual benefits will be achieved through channel widening, levee construction, tunnel modifications and hillside interceptors.	Y	Y	B, C	Existing Authorization: Study authorization exists to ascertain a cost increase above the current authorization a PACR would have the be completed. If the PACR showed need for re-authorization then the request/report would be forwarded to congress
MT	Seeley Lake Wastewater Improvements Project Mod	Seeley Lake-Missoula County Sewer District; Missoula County Board of Commissioners; State of Montana, Dept. of Commerce; State of Montana, Dept. of Natural Resources and Conservation; State of Montana, Dept. of Environmental Quality; Seeley Lake Community Foundation	Proposed Modification	To construct the centralized wastewaters collection and treatment system for the community of Seeley Lake; and to significantly reduce septic use and subsequent influence and impairment to ground and surface waters.	Local economic benefits from recreation and healthy environment; reduction in public and environmental health risks.	Y	Y	A, B, C	Environmental Infrastructure is not a primary Corps mission. Existing Authorization: Section 595
NC	Carolina Beach - Coastal Storm Damage Reduction Project	The Town of Carolina Beach	Proposed Modification	To utilize the principles of "Smart Planning" to evaluate what is needed to assess continued federal participation	Maintaining the coastal infrastructure to improve community resiliency and safety, as well as the natural coastal ecosystems and species	Y	Y	B, C	Existing Authorization: 1037 of WRRDA 2014 provides for the 15 year extension in Federal participation with the Secretary's approval. No further design changes are being proposed.
NM	Southern Sandoval County Arroyo Flood Control Authority Feasibility Study	Southern Sandoval County Arroyo Flood Control Authority (SSCAFCFA)	Proposed Feasibility Study	Flood damage reduction; community and road safety	Benefits of "green infrastructure"; protection of human life and property; protection of a federal highway corridor and a large regional gas network	Y	N	B, C	Existing Authorization: Flood Control Act of 1941 (P.L. 77-228), Sec. 4.

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NM	Tohajiilee Waterline Feas Study	The Navajo Nation - Tohajiilee Chapter, the State of New Mexico	Proposed Feasibility Study	To provide sustainable water supply diverted from the San Juan River for Navajo Nation residents. The key short-term components are major improvements to wells, storage and water treatment.	Economic development, reduction in water hauling costs, improvement of public health and safety; the provision of clean, safe drinking water.	Y	Y	A	Water supply and improvements to wells, storage and treatment are not a Corps mission
NY	Cattaraugus Creek Nav Proj	Chautauqua County	Proposed Feasibility Study	Examine the option of dredging the proposed project area in order to mitigate for existing problems caused by accumulated sediment and debris.	Reduce risks to public health and safety and property loss related to flooding and ice jams.	Y	Y	B, C	Existing Authorization: River & Harbor Act of 1968
NY	Cayuga Inlet Navigation Proj - Feasibility Study	City of Ithaca, NY	Proposed Feasibility Study	To restore impaired navigational use and flood protection.	Protection of human life and property; Improvement of navigation and recreational opportunities; and positive local economic benefits through flood protection, property tax revenues, and tourism spending.	Y	Y	NA	Need More Data
NY	Chautauqua Lake EcoRestoration/FRM Study	Chautauqua County	Proposed Feasibility Study	Assess twelve subwatershed in Chautauqua Lake watershed in order to identify measures that will effectively reduce the sediment and nutrients that are negatively impacting Chautauqua Lake.	Improve drinking water quality and reduce the risk of flooding, harmful algal blooms and hazards to recreational boaters.	Y	Y	B, C	Existing Authorization: Continuing Authorities Program Section 206.
OH	Cincinnati Central Riverfront Park FRM and EcoRestoration Proj	City of Cincinnati, OH; Cincinnati Park Board; Hamilton County, OH; and other private donors/organizations	Proposed Modification	The modification will increase the existing Federal project from a 5 acre project initially authorized in 2007 to a 25 acre project.	Increased economic development and visitation; Protection of human life and property through bank stabilization, flood mitigation, and erosion control.	Y	Y	A	Recreation is not a primary Corps mission
OH	Dayton International Airport Water Infrastructure Study	City of Dayton; James M. Cox; Dayton International Airport	Proposed Feasibility Study	Examine the overall state and cost estimate for the replacement and reconstruction to ensure the sustainability of the wastewater and storm water infrastructure at Dayton International Airport.	Net cost savings to the City of Dayton of nearly 50%; bolster transportation by ensuring DAY's infrastructure needs are met; reduce peak-flow demands to its current wastewater treatment provider; and eliminate the possibility of future wastewater runoff into the Great Miami River Watershed	Y	Y	A	Water quality is not a Corps mission

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OK	Tulsa and West Tulsa Local Levee Protection Project	Levee District #12 OK	Proposed Modification	Flood Risk Management - Bring 20 miles of levee system up to safety standards	Flood protection of two major petroleum refineries, both of which provide gasoline to a large portion of the mid-continental US, and of established residential areas (public health and safety); Improved economic, environmental, and social wellbeing.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
OR	Columbia Corridor Consolidated Levee System	Multnomah County Drainage District No. 1	Proposed Feasibility Study	To determine the appropriate level of authorization for the consolidated levee system in the Columbia Corridor. To re-evaluate the existing level of authorization as the value of the properties and economic development opportunities within the levee system have changes over the past few decades and in light of the potential impacts of consolidation, climate change and the Columbia River Treaty.	Protection of human life and property; maintain critical navigation routes and transportation; restore ecosystems; and improve national security.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
PA	Delaware River Basin Water Storage Optimization Study	Delaware River Basin Commission (DRBC)	Proposed Feasibility Study	To evaluate and optimize the use of USACE reservoirs - Beltzville, Blue Marsh, and F.E. Walter - for multiple objectives.	Optimization has the potential to improve aquatic habitats, allow flexibility in basin flow management, repel salinity for the protection of industry and municipal water supplies, and improve the basin's resiliency to drought risk.	Y	Y	B, C	Existing Authorization: On July 20, 2005 the United States Senate Committee on Environment and Public Works requested that the Secretary of the Army review the report of the Chief of Engineers on the Delaware River and its tributaries, Pennsylvania, New Jersey, and New York, published as House Document 179, Seventy Third Congress, Second Session
PA	Francis E. Walter Dam - Feas. Study	"To be determined"	Proposed Modification	To evaluate the potential for implementation of the full reconstruction option (which includes the installation of a multi-port tower, raising the dam breast, increases of whitewater releases, and other modifications) identified in the Lehigh River Recreational Enhancement Study (a privately completed study).	Expected to directly benefit water-based recreations and enhance aquatic populations.	Y	N	A, B, C	Recreation is not a primary Corps mission. Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
PA	Johnstown Recreation Proj	City of Johnstown, PA	Proposed Feasibility Study	Recreation, in the context of flood control efforts	Increase economic benefit by up to 25%.	Y	Y	B, C	Existing Authorization: Section 216 review of completed projects based on changed physical and economic conditions, or the Continuing Authorities Program.

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PA	Stonycreek and Little Conemaugh Rivers AER Proj	City of Johnstown, PA	Proposed Feasibility Study	Aquatic ecosystem restoration, with a secondary purpose of water recreation.	Reduce major ecosystem challenges on the project's rivers associated with substantial pollutant loads; improve water quality; support productive use of riparian lands.	Y	Y	B, C	Existing Authorization: The feasibility study could be conducted as a Section 216 review of completed projects based on changed physical and economic conditions, or through the Continuing Authorities Program.
PA	Stonycreek and Little Conemaugh Rivers FRM Proj	City of Johnstown, PA	Proposed Feasibility Study	Flood damage prevention, with a secondary purpose of water recreation.	Reduce property damage, potential threats to human life, and insurance costs; Also, determine the feasibility of opening project rivers to enhance boating and riparian recreational access (hoping to stimulate economy).	Y	Y	B, C	Existing Authorization: The feasibility study could be conducted as a Section 216 review of completed projects based on changed physical and economic conditions.
PA	Tioga-Hammond Lake AER Modification	Susquehanna River Basin Commission	Proposed Modification	To improve the quality of aquatic habitat and the environment, both in-lake and in the downstream ecosystem.	Local economic benefits from increased recreational opportunities; environmental benefits from water quality treatment, recreational and aquatic habitat enhancements, and low flow management releases; benefits to downstream water users, which have implications to public health and safety and economic development.	"Anticipated"	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
SC	Lakes Marion and Moultrie, SC Project (Lakes Marion Regional Water Authority [LMRWA])	Lake Marion Regional Water Authority; Town of Santee	Proposed Modification	To increase the authorized cost of the Lakes Marion and Moultrie, South Carolina, Section 219 Environmental Infrastructure project (LMRWA multi-county water treatment and distribution system project) to allow construction of the project to its fully-intended phasing.	Protection of human life and property; transportation improvements; benefits to the national economy; environment and national security interests of the US	Y	Y	A	Environmental Infrastructure is not a primary Corps mission. Existing Authorization: Section 219.
TX	Brackish Groundwater Desalinization Project	San Antonio Water System (SAWS)	Proposed Feasibility Study	To construct a Brackish Groundwater Desalination plant to treat brackish water from a formation known as the Wilcox Aquifer. Brackish water is made fit for public consumption through extensive treatment, and will diversify San Antonio water supplies away from the environmentally sensitive Edwards Aquifer and improve the city's ability to care for the ecologically sensitive habitats that are fed by the Aquifer.	ENR; Increase ability to provide reliable water source	Y	Y	A	Water supply is not a primary Corps mission

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TX	Brazos Island Harbor Channel Improvement Project	Port of Brownsville	Feasibility Report	Navigation	Increase the navigational efficiency of deep-draft vessels, and increase the accommodation of offshore rigs for maintenance, repair, and fabrication of new rigs	Y	Y	NA	Requirement for inclusion is for the Chief's Report to be cleared by the Administration
TX	Central City, Fort Worth, Texas	Tarrant Regional Water District	Proposed Modification	Management/Environmental/Recreation	Life and property safety/economic	Y	Y	B, C	Existing Authorization: River and Harbor Act of 1965, Public Law 89-298, as amended, was modified by Section 116 of the Energy and Water Development Appropriations Act, 2005, Division C of Public Law 108-447
TX	Deepen to 52 ft. MLT and widen the La Quinta Channel (including the two turning basins and the wye at La Quinta junction)	Port of Corpus Christi Authority	Proposed Feasibility Study	To develop and evaluate alternatives for NAV problems that directly affect the Corpus Christi Ship Channel and La Quinta Channel, and to allow for a more effective, safe and efficient waterway.	Transportation cost savings; sustain/increase existing workforce; net positive environmental, social, and security benefits	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
TX	Feasibility Study for Brackish Groundwater Augmentation for the Mouth of the Colorado Project	Lower Colorado River Authority	Proposed Feasibility Study	To pursue brackish groundwater augmentation. The Lower Colorado has been experiencing extreme drought since 2008. As a result, LCRA cut off Highland Lakes water to most downstream interruptible water customers in 2012, 2013, and 2014	This project would complement the USACE Mouth of the Colorado Project in improving the health, productivity, and economic fisheries of Matagorda Bay in Matagorda County, Texas.	Y	Y	A	Water supply is not a primary Corps mission
TX	Improvements to increase the size of the Corpus Christi Ship Channel Chemical, Tule Lake and Viola turning basins and create new turning basin near the existing Corpus Christi turning basin.	Port of Corpus Christi Authority	Proposed Feasibility Study	To redress NAV problems that directly affects the CCSC system, and allow for a more effective, safe and efficient waterway.	Transportation cost savings; sustain/increase existing workforce; net positive environmental, social, and security benefits	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970

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TX	Legislative Changes related to Navigation	Port of Houston Authority of Harris County, TX	Proposed Modification	Renormalize cost-sharing provisions established by WRDA 1986 and WRRDA 2014	Better enables non-federal interests to pay for complimentary and necessary industrial and transportation infrastructure that remains the non-federal interest's responsibility	Y	Y	A	Legislative change, not a project or study proposal
TX	Leon Creek FRM Project	San Antonio River Authority (SARA); Port of San Antonio, City of San Antonio and Bexar County	Feasibility Report	FRM (To reduce risk of flood damages within the Leon Creek Watershed and reduce the risk to life, health, and welfare for the Leon Creek Watershed Residents, businesses, and national interests in San Antonio, TX).	The project is intended to prevent additional damages from flooding at Port San Antonio, including damage to property, equipment and disruption to maintenance work at the Test Cell Facility, a national security resource related to test repairs to engines for military aircraft.	Y	Y	NA	Requirement for inclusion is for the Chief's Report to be cleared by the Administration

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TX	Proposal for authorization of Improvements of federally-maintained channels, Houston Ship Channel System	Port of Houston Authority of Harris County, TX	Proposed Modification	Facilitate management and future planning activities for tributary channels of the Houston Ship Channel	Enables the USACE to better operate, budget, and otherwise manage the projects; Facilitates future planning activities for channel improvements; and facilitate reduced administration, improved management of placement areas, and generally lower operating costs. There are no initial construction costs associated with this proposal as the Port of Houston Authority has already constructed the improvements to the channels. The proposal is to authorize the assumption of maintenance by the ASA(CW) under the O&M line item for the Houston Ship Channel (HSC). We did not include O&M costs as we did not see an increase in the annual O&M appropriations for the HSC as Bayport and Barbour's have already been approved under sec 204, and the JacintoPort is authorized with a report approving assumption of maintenance coming to HQ shortly under the authority of sec 5001 of WRDA 2007.	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970
TX	Proposal for Authorization to Correct Navigation Safety Deficiencies in the Bayport Ship Channel and Houston Ship Channel	Port of Houston Authority of Harris County, TX	Proposed Modification	Improve navigation safety to an acceptable level at the Houston Ship Channel in the vicinity of the Bayport Ship Channel and to the entrance of the Bayport Channel	Relieve the serious navigation safety issues that currently exist, and subsequently will increase the Nation's economic efficiencies with less channel shutdowns	Y	Y	B, C	Existing Authorization: Public Law 91-611; Title II - Flood Control Act of 1970, Section 216 dated December 31, 1970

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TX	Proposal for authorization to Operate Houston-Galveston Navigation Channels, TX and federally-maintained tributaries of the Houston Ship Channel, TX system at the studied Mean Low Tide equivalent depth	Port of Houston Authority of Harris County, TX	Proposed Modification	Facilitate operations and future planning activities for the Houston Ship Channel and its tributary channels	Facilitates and potentially streamlines future planning activities for channel improvements; Clarifies the Houston-Galveston Navigation Channel project depth in relation to the currently mandated datum. The proposal is to convert from MLT to MLLW with no change in the maintained channel depth or O&M cost sharing. The conversion moves from 45 feet MLT to 46.5 feet MLLW as an effective depth (change in reference). We already have concurrence from HQUSACE that going to MLLW will not result in a change in cost share for O&M. We are still working with HQUSACE on whether to convert to 46.0 feet MLLW or 46.5 feet MLLW. Going to 46.0 MLLW would result in a 0.5 foot reduction in current authorized depth. We did not include additional costs as we are already performing the maintenance dredging for these channels.	Y	Y	B, C	Existing Authorization: P.L. 101-303, sec 101(a)(30)
TX	Range Dam System TX	El Paso Water Utilities Public Service Board	Proposed Feasibility Study	Determine the need to update/upgrade the dam in order to assist in our efforts to provide flood protection	Protect human life and property, create jobs within local companies, allow the City to gain points with the Community Rating System of the NFIP	Y	Y	B, C	Existing Authorization: Authorized by either a study specific authorization or are authorized by Section 216 of the Flood Control Act of 1970

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TX	Study for Improvements of the Houston-Galveston Navigation Channel System	Port of Houston of Harris County, TX; additionally, the Port of Galveston (current project co-sponsor), and the Port of Texas City are likely to participate as additional non-federal sponsors.	Proposed Feasibility Study	To improve channel efficiencies, productivity, and for navigation safety improvements for this nationally significant port	Resolve current NAV safety deficiencies; lasting impacts to the national economy	Y	Y	B, C	Existing Authorization: Public Law 91-611; Title II - Flood Control Act of 1970, Section 216 dated December 31, 1970
WA	Point No Point Marsh Restoration and FRM Feas Study	Kitsap County, WA	Proposed Feasibility Study	To determine alternative approaches to restoration of freshwater and saltwater marsh habitats that include consideration of sea level rise, flood risk mitigation and protection of infrastructure; and to restore a more natural hydrologic and hydraulic regime that enhances connectivity, improves stormwater runoff attenuation and prepares the county and citizens for resiliency to sea level rise.	Increased recreation benefits, protection of human life and property, wetland and other environmental restoration	Y	Y	B, C	Existing Authorization: Continuing Authorities Program
WA	Silverdale Waterfront Environmental Restoration and Feasibility Project	Kitsap County, WA	Proposed Feasibility Study	To restore saltwater intertidal and nearshore habitats, supporting ecological processes and biological diversity, and a more natural hydrologic and hydraulic regime that returns estuarine intertidal connectivity, improves stormwater runoff attenuation and enhances shoreline resiliency to sea level rise and climate change.	Increased recreation benefits, protection of human life and property, decrease water pollution, and improvements to the national economy and national security.	Y	Y	B, C	Existing Authorization: Continuing Authorities Program
WI	Waukesha, WI, New Water Source Development Study	City of Waukesha Water Utility (a Wisconsin municipality)	Proposed Feasibility Study	To create a partnership with USACE to ensure that the city of Waukesha's project - to develop a long-term Great Lakes water supply with return flow that meets federal drinking water standards - will be implemented under USACE project standards.	Long-term protection of the health and welfare of human life; Provision of sustainable potable water to a regional center in danger of losing its raw water supply; And restoration and protection of an impaired environment.	Y	Y	A	Water supply is not a primary Corps mission

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