

Requests submitted to the Environment and Public Works Committee for the Water Resources Development Act

The Water Resources Development Act (WRDA) is biennial legislation that authorizes programs and projects of the civil works program of the Army Corps of Engineers. The following projects are for flood prevention and flood control, waterway navigation and ecosystem restoration.

Project Name: Beach Bulkhead Replacement

Location: Margate, NJ

Project Purpose: The existing bulkheads are approximately 48 years old and are deteriorating. The replacement of the bulkheads will include constructing the bulkheads at elevation 13.0, since the ocean-side of the street-ends are located within the V Flood Zone with the base flood elevation of 13.0, and installing ductile iron pipe at the edge of the concrete curb gutter and through the bulkhead.

Amount Requested: \$3,723,604

Project Name: Newark Riverfront Project (Joseph G. Minish Passaic Riverfront Park and Historic Area)

Location: Newark, NJ

Project Purpose: The Newark Riverfront Project (Joseph G. Minish Passaic Riverfront Park and Historic Area) addresses the restoration and rehabilitation of approximately 9,000 linear feet of Passaic River shoreline from Bridge Street to Brill Street in the City of Newark. This request will authorize funding for extending boundaries of the Joseph G. Minish Passaic Riverfront Park and Historic Area in three areas that include the Eastern Ironbound extension, Gateway extension and Northern extension.

Amount Requested: \$108,800,000

Project Name: Leeds Avenue Flooding Remediation City of Pleasantville

Location: Pleasantville, NJ

Project Purpose: The purpose of this project is to install additional piping and/or culverts under the roadway with shutoff control on the low point of Leeds Avenue, between Main Street and New Road (US Route 9), to alleviate stream flooding to residences from flood water back up at this bottle neck location.

Amount Requested: \$640,634

Project Name: Pleasantville Bulkhead Marina Extension

Location: Pleasantville, NJ

Project Purpose: Five hundred linear feet of bulkhead will be added to the previously constructed bulkhead sections at the Marina Yacht Basin. This additional bulkhead will stabilize the site. The bulkhead project will replace the exposed, damaged, bulkheads or seawalls and prevent additional erosion into the Marina Yacht Basin.

Amount Requested: \$880,900

Project Name: Lower Assunpink Creek Environmental Restoration

Location: Trenton, NJ

Project Purpose: The goal of the Lower Assunpink Creek Environmental Restoration Project is to restore riparian habitat and stream banks on the Assunpink Creek. Project goals will be accomplished through stream and riparian habitat restoration and removal of abandoned, urban and industrial obstructions. These goals coincide with interstate management plans developed by the Atlantic States Marine Fisheries Commission (ASMFC) in 1985 to restore herring stocks in streams experiencing stream blockages.

Amount Requested: \$10,000,000

Project Name: Water Supply Infrastructure Improvements Project

Location: Trenton, NJ

Project Purpose: The City of Trenton owns and operates a 100-million gallon open finished water reservoir that provides water to approximately 225,000 people in five municipalities. The city plans to cover the reservoir in order to comply with 40 CFR 141.714 under the federal Safe Drinking Water Act, which is designed to reduce the contamination of microbial pathogens in drinking water.

Amount Requested: \$11,250,000

Project Name: Trenton, NJ Waterfront Revitalization

Location: Trenton, NJ

Project Purpose: The City of Trenton requests an authorization in the next Water Resources Development Act (WRDA) for design, engineering and construction of flood mitigation, ecosystem restoration, stormwater management, water and sewer infrastructure, environmental remediation, and waterfront recreation associated with its multi-agency state and local government partnership to revitalize the waterfront area along the Delaware River.

Amount Requested: \$15,000,000

Project Name: North Camden Bulkhead Construction and Bank Stabilization Project

Location: Camden, NJ

Project Purpose: Cooper's Ferry Development Association (CFDA) proposes to work with the U.S. Army Corps of Engineers for the construction of a bulkhead edge, bank stabilization, enhancement of tidal wetlands and construction of wetlands boardwalk edge along the North Camden waterfront to create a publicly accessible park with linear waterfront access that will improve storm water management and water quality in the Delaware River. A planted buffer will filter pollutants and sediments from runoff and will help to stabilize the slope

Amount Requested: \$6,600,000

Project Name: Gloucester-Salem Counties Regional Wastewater Management Project

Location: Gloucester and Salem Counties, NJ

Project Purpose: The funding would be used to acquire and retrofit certain above-ground assets at the Dupont facility, construct a new Primary Treatment plant on ground leased from Dupont, and construct new wastewater pump stations, interceptors and other improvements necessary to expand wastewater collection and treatment to areas in both counties that do not have wastewater collection systems.

Amount Requested: \$270,000,000

Project Name: Bulkhead Protection & Flood Control of Cedar Creek Marsh Drainage Area

Location: Kearny, NJ

Project Purpose: This project is to reconstruct existing the Passaic River bulkhead and Cedar Creek outfall, tide gates and pump station. The bulkhead condition is poor and leaking. The bulkhead also protects the PATH train tracks owned and operated by the Port Authority of New York and New Jersey.

Amount Requested: \$5,000,000

Project Name: North Riverwalk Wharf

Location: Trenton, NJ

Project Purpose: The Mercer County Improvement Authority constructed a riverwalk along Route 29 and the Delaware River in the city of Trenton, New Jersey in 1997. Shortly after completion of the riverwalk, a portion of the old wharf on which the riverwalk was constructed collapsed into the Delaware River. The rebuilding would entail removal of all debris within the navigation channel, rebuilding the wharf structure and completion of a fishing area, and a brick paver riverwalk. While no current cost estimate is available, it is estimated that the repair and rebuilding would cost approximately \$15,000,000.

Amount Requested: \$15,000,000

Project Name: Compton Creek and Shoal Harbor (aka Belford Harbor)

Location: Middletown Township, NJ

Project Purpose: The existing Compton Creek and Shoal Harbor Federal channel depths no longer meet the needs of the commuter ferry service and the commercial fishing fleet located in Belford section of Middletown Township. The improvements to the navigation channel of Compton Creek and Shoal Harbor will allow for the continued viability and expansion of the one of the longest standing fisherman's cooperatives on the Atlantic Coast as well as continued operation of the existing commuter ferry service.

Amount Requested: \$23,000,000

Project Name: Hoboken Flood Control Project

Location: Hoboken, NJ

Project Purpose: Restore and rehabilitate combined sewer infrastructure and appurtenant system to alleviate combined sewer overflows and flooding of areas susceptible to storm damage. The rehabilitated sewers will increase the ability of the system to store combined

sewage flow underground and deliver that flow to the new flood control system and safeguard the Hudson River Waterway.

Amount Requested: \$ 5,000,000

Project Name: Sayreville Waterfront Redevelopment Area – Bulkhead

Location: Sayreville, NJ

Project Purpose: The purpose is re-construction of an existing river bank bulkhead located on the Northwestern portion of the former National Lead site in Sayreville, New Jersey. This bulkhead was originally constructed by National Lead Industries along with a barge dock for off loading of material used by the former plant. Reconstruction of the bulkhead will provide the public with direct waterfront access since the remaining coastline of the site is subjected to a 100 foot buffer from the river bank. The bulkhead is also essential to the construction of the public Waterfront Promenade and amphitheatre.

Amount Requested: \$ 12,000,000

Project Name: North Atlantic Coastal and Marine Management Plan

Location: NJ Coastal Communities

Project Purpose: In summary, the proposal would complete a comprehensive, state-of-the-art, partnership-based plan for wise investment in restoration and stewardship of North Atlantic coastal and marine ecosystems. It would allow the Corps to better plan for hazard mitigation, ecosystem restoration, natural shorelines management, prevention of hardened shorelines, etc. It would also facilitate collaboration and implementation of shellfish, coastal and benthic habitat restoration projects, dam removal and other habitat improvements for fish, projects which restore stream stability, protect and/or restore coastal salt marshes and wetlands, create water quality improvement and restore beach dune complexes in an ecologically sustainable manner. It would also help prepare the Corps to face challenges associated with climate change such as identifying, restoring and/or properly managing areas key for improving ecological resiliency to sea level rise.

Amount Requested: \$ 15,000,000

Project Name: Lenape Flood Control Basin Bio-Mass Removal

Location: Kenilworth, Union and Westfield, NJ

Project Purpose: Wet meadows and riparian corridors in the basin have been invaded by vegetation not native to these areas. This vegetation has formed massive mono-clonal stands that reduce the basins capacity for flood storage by the displacement effects of the bio-mass.

Amount Requested: \$ 400,000

Project Name: Stream bank Restoration/Stabilization, Nomahegan Creek

Location: Mountainside and Westfield, NJ

Project Purpose: A two-mile waterway above the Echo Lake Park impoundment has been identified as the major contributor of the silts, sands, and sediments that have required the County of Union to remove by dredging. Suspended sediments are the principal pollutant in the

area's rivers and provide a natural host for other more volatile contaminants. This continual and costly problem is a burden on the taxpayers of Union County that could be greatly reduced by stabilization measures. High volumes of storm water from US Highway 22 continually erode the banks of this stream that are comprised of glacial soils very susceptible to erosion. Fallen trees block culverts and bridges creating hazardous flooding conditions.

Amount Requested: \$ 2,000,000

Project Name: Section 542 Watershed Restoration for the Rahway River

Location: Union County, NJ

Project Purpose: The intent of the stakeholders in their requesting authorization for a Section 542 Watershed Restoration is the idea that only a comprehensive and holistic management plan for this watershed will translate into overall improvements that will be discernable and measurable. The Rahway River size is in its favor to see progress in a more compressed time frame than would be possible in a larger river system. The Section 542 Watershed Restoration of the Army Corp of Engineers is the most effective way of carrying out critical restoration projects needed to ensure a viable ecosystem, potable water supply for many of the County's residents and the reduction or elimination of chronic flood, erosion, and water quality issues for this region.

Language request

Project Name: Water Infrastructure Improvement Initiative

Location: Perth Amboy, NJ

Project Purpose: The City of Perth Amboy's water supply, wastewater, and storm water infrastructure is in desperate need of repair. If not rectified, these deficiencies may infiltrate the groundwater supply and render the water supply unsafe. The total estimated cost to complete the necessary water supply, wastewater, and storm water infrastructure improvements is \$21,300,000.

Amount Requested: \$ 21,300,000

Project Name: Harbor Deepening Project, Environmental Restoration Initiatives, New York and New Jersey

Location: Bergen, Essex, Hudson, Middlesex, Monmouth, Morris, Passaic, Union Counties

Project Purpose: Currently, the U.S. Army Corps of Engineers is constructing the 50 foot harbor deepening project for the NY/NJ region with the Port Authority of New York and New Jersey as the non-Federal sponsor. Throughout the implementation of the deepening project, there have been multiple opportunities for ecosystem restoration, some of which have been carried out as mitigation or beneficial reuse of dredged material. Executing these efforts in coordination with the Harbor Deepening Project has capitalized on synergies between dredging and environmental restoration within the Hudson-Raritan Estuary, a congressionally recognized estuary of national importance and component of the National Estuary Program (NEP). The Port Authority believes that these restoration projects are important and would request they be included in the project's purposes.

Language request

Project Name: Third River Reconnaissance Study

Location: Nutley, Belleville and Bloomfield, NJ

Project Purpose: The townships of Bloomfield, Nutley and Belleville respectfully request a reconnaissance study of the Third River. All three townships have experienced severe flooding conditions and residual damage instigated by the Third River, and all three have ranked this Reconnaissance Study as their number one priority for pre-disaster mitigation based on past flooding and the potential for future inundation not only in milestone storms, but also in heavy downpour instances where the river will breach its banks.

Amount Requested: \$ 100,000

Project Name: Preakness Brook Reconnaissance Study

Location: Wayne, NJ

Project Purpose: The County of Passaic is requesting a reconnaissance study of the Preakness Brook. The study area spans from the intersection of French Hill Road and Valley Road to the Pompton River. This area frequently suffers from pervasive and severe flooding.

Amount Requested: \$100,000

Project Name: Countywide GIS and Stormwater Management System

Location: County of Essex, NJ

Project Purpose: Neither the County of Essex nor any of its municipalities has a Geographic Information System (GIS) for mapping their infrastructure and assets. Essex County has approximately 400 outflows into the Passaic River, which empties into the Newark Bay, a back bay of New York Harbor. The river's water quality will be improved for the benefit of the region – particularly for those towns located on the river. Managing stormwater facilities is a key to efforts to reduce local flooding and to control nonpoint source pollution into the state's streams and rivers. This proposed project requests funds to construct a base map of the County and its municipalities and to locate all county and municipal assets and infrastructure on GPS-based maps

Amount Requested: \$5,000,000

Project Name: Passaic River Flood Management

Location: Passaic County, NJ

Project Purpose: The Corps has an existing authorization for buyouts of homes along the Passaic River but the authorization grants ownership of the land to the federal government after a property is bought-out. This modification changes the ownership from the federal government to the non-federal sponsor following a buy-out while maintaining the cost-sharing ratio as currently authorized.

Language request

Project Name: Passaic River / Newark Bay Restoration Program

Location: Newark, NJ

Project Purpose: The Passaic Valley Sewerage Commission (PVSC) is in the process of increasing the wet weather capacity of its plant to reduce the discharges of floatables (plastic bottles, other plastic materials, wood, and tree limbs) during rainfall. PVSC is requesting equipment to improve the collection of marine debris including driftwood, floating materials and other items that negatively impact the recreational and commercial uses of the Passaic River and Newark Bay.

Amount Requested: \$11,200,000

Project Name: Grover's Mill Pond Restoration, Mercer County, New Jersey

Location: West Windsor Township, NJ

Project Purpose: The Grover's Mill Pond Restoration Project, New Jersey, constructed under Section 206 of the Water Resources Development Act of 1996 (33 U.S.C. 2330) is modified to include \$150,000, expended by the non-Federal sponsor for additional dredging, in the total project cost and to provide credit to the non-Federal sponsor for this amount toward the non-Federal share of the cost of the project.

Amount Requested: \$150,000

Project Name: Unexploded Ordinance Remediation, Atlantic Coast of New Jersey

Location: New Jersey Coastline

Project Purpose: As part of the construction of hurricane and storm damage reduction projects in the State of New Jersey, sand from the approved borrow sites may have accidentally contained unexploded ordnances which were placed on the beach, such as occurred with the New Jersey Shore Protection Barnegat Inlet to Little Egg Harbor Inlet, New Jersey project. This produced an extreme hazard to the public. Current laws governing project cost sharing requirements do not address costs associated with removal of munitions. The proposed legislation would clarify that such costs are appropriately 100% Federal responsibility.

Language request

Project Name: Ocean Gate, New Jersey, Section 14 Emergency Shoreline Protection Project

Location: Ocean Gate, NJ

Project Purpose: The purpose of the Ocean Gate, New Jersey, Section14 Emergency Shoreline Protection Project was to replenish and stabilize the beach and beachfront that had been severely lost due to coastal storm events. In 2000 the U.S. Army Corps of Engineers constructed a project under Section 14 of the Flood Control Act of 1946 (PL 79-536), as amended, for emergency shoreline protection for public facilities and services. Prior to closing out the project, severe storms damaged the project. Funding reached the maximum allowable limit under this authority preventing the Corps from completing repairs.

Amount Requested: \$ 6,000,000

Project Name: New Jersey, Intracoastal Waterway

Location: Point Pleasant, NJ

Project Purpose: The existing Federal navigation project includes parallel tracts of land adjacent to the canal. These lands can best be used to provide recreational opportunities for the general public. With increased economic development in the region, to include residential and commercial development, the demand for recreation opportunities has exceeded available resources. The authorization for the New Jersey Intracoastal Waterway is requested to be modified to add recreation consistent with Code of Federal Regulations Title 36 and to add ecosystem restoration at Point Pleasant Canal, as project purposes.

Language request

Project Name: Delaware River Watershed, New Jersey

Location: Cumberland, Salem, Gloucester, and Camden Counties, NJ

Project Purpose: Over the years the Delaware River Watershed has deteriorated due to urbanization and commercialization. Water resource infrastructure projects are necessary to assist non-Federal interests to enhance the economic and social character of the communities within the watershed, including measures to provide ecosystem preservation and restoration, flood damage reduction measures and related facilities, waste water treatment and related facilities, water supply and related facilities, water quality, and surface water resource protection and development.

Amount Requested: \$ 25,000,000

Project Name: Barnegat Bay, New Jersey

Location: Barnegat Bay Watershed within Monmouth and Ocean Counties, New Jersey

Project Purpose: Over the years the Barnegat Bay Watershed has deteriorated due to urbanization and commercialization. A determination on feasibility of potential water resource related projects is necessary to assist non-Federal sponsors within the watershed, including a study for ecosystem preservation and restoration, flood damage reduction, water related infrastructure and related facilities, water quality, and surface water resource protection.

Language request

Project Name: Barnegat Bay, New Jersey Ecosystem Restoration

Location: Barnegat Bay, Monmouth and Ocean Counties

Project Purpose: Over the years the aquatic ecosystem of Barnegat Bay has deteriorated due to urbanization and commercialization. Oyster and shell fish were especially hard hit and their recovery is questionable without assistance. This authority would allow quick response to help expedite restoration initiatives in Barnegat Bay and in collaboration with State, local and Non Governmental organizations.

Amount Requested: \$10,000,000

Project Name: Great Egg Harbor and Mullica-Toms Watersheds, Environmental Infrastructure Improvement

Location: Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Monmouth, and Ocean Counties

Project Purpose: Over the years the Great Egg Harbor and Mullica-Toms Watersheds have deteriorated due to urbanization and commercialization. Water resource infrastructure projects are necessary to assist non-Federal interests to enhance the economic and social character of the communities within the watershed, including measures to provide ecosystem preservation and restoration, flood damage reduction measures and related facilities, waste water treatment and related facilities, water supply and related facilities, water quality, and surface water resource protection and development.

Amount Requested: \$15,000,000

Project Name: Delaware River Estuary Ecosystem Restoration

Location: Cumberland, Salem, Gloucester, and Camden Counties, NJ

Project Purpose: The Delaware River estuary has been subject to heavy urbanization and industrialization which has resulted in large scale environmental degradation. This authority would allow quick response to help expedite restoration initiatives in collaboration with numerous States, local and Non Governmental organizations. The suggested language is modeled after WRDA 2007 Section 3120 Long Island Sound Oyster Restoration, New York and Connecticut.

Amount Requested: \$25,000,000

Project Name: Delaware Bay Oyster Restoration, NJ

Location: Cumberland County, NJ

Project Purpose: The total cost for the current Section 1135 project for oyster restoration in the Delaware Bay far exceeds the Federal funding limit. The non-Federal sponsor must assume all costs beyond the maximum Federal participation causing a large financial burden on the sponsor. Suggested language for this project was modeled after several similar sections in WRDA 2007 (i.e. sec 3003, 3006, 3051, 3055, 3062, etc).

Amount Requested: \$10,000,000

Project Name: Barnegat Inlet to Little Egg Inlet, New Jersey

Location: Monmouth and Ocean Counties, NJ

Project Purpose: As part of the construction of the Barnegat Inlet to Little Egg Island project, sand from the approved borrow site accidentally contained unexploded ordnances and was placed on the beach. This produced an extreme hazard to the public. Current laws governing project cost sharing requirements do not address costs associated with removal of munitions. The proposed legislation would clarify that such costs are appropriately 100% Federal responsibility.

Language request

Project Name: Jersey City Aqueducts

Location: Jersey City, NJ

Project Purpose: The purpose of this project is to clean and line 10,000 ft of the 108 inch diameter concrete tunnel and pipe. Also, it is to conduct a corrosion and cathode protection study of the twin 72 inch aqueducts.

Amount Requested: \$1,500,000

Project Name: Jersey City Dam and Reservoir Improvements

Location: Jersey City, NJ

Project Purpose: The purpose of this project is for dam and reservoir improvements. The request is necessary to replace mud gates and secondary valves, repair low level outlet, reconstruct gate houses, construct floodwall, and replace the fence and culvert.

Amount Requested: \$1,837,000

Project Name: Jersey City Water Transmission Mains

Location: Jersey City, NJ

Project Purpose: The purpose of this project is for Jersey City's water transmission mains. The request is necessary to clean and line 20,000 ft of water main, replace 25 large valves, and construct a 30 inch water transmission.

Amount Requested: \$23,500,000

Project Name: Main Trunk Sewer Rehabilitation along the Raritan River

Location: Piscataway/Highland Park, NJ

Project Purpose: The Main Trunk Sewer is generally located within the floodplain of the Raritan River and approximately parallels the river. The Main Trunk Sewer, constructed in 1955, consists of 60-inch, 66-inch and 84-inch diameter asphalt lined Corrugated Metal Pipe (CMP) and Reinforced Concrete Pipe (RCP). Failure of the Main trunk sewer may result in the uncontrolled discharge of raw wastewater into the Raritan River and estuary at rates exceeding 60 million gallons per day. The Middlesex County Utilities Authority has initiated preliminary planning for seven phases for the rehabilitation of the existing Main Trunk Sewer located in Piscataway, New Jersey, using trenchless rehabilitation technologies.

Amount Requested: \$50,000,000

Project Name: Rehabilitation of the Original Sayreville Pump Station

Location: Sayreville, NJ

Project Purpose: The Middlesex County Utilities Authority intends to rehabilitate the Original Sayreville Pump Station (OSPS) located near the Raritan River and Washington Canal in Sayreville, NJ. The rehabilitation work would allow the OSPS to be used under low flow conditions, and will also allow the Authority to take the Sayreville Relief Pump Station (SRPS) out of service to make needed repairs to a portion of the SRPS force main which cannot be isolated when the SRPS in operation.

Amount Requested: \$8,000,000