2022-23 GRANT SNAPSHOT

DIVISION OF COASTAL MANAGEMENT

RESILIENT COASTAL COMMUNITIES PROGRAM: PHASE 3

TOTAL # OF PROJECTS AWARDED: 19

TOTAL GRANT FUNDS AWARDED: $1,070,160.00

Local Government	Project	Grant Amount
Aurora	Wetland Restoration at Wastewater Treatment Plant (WWTP). This project will restore wetland function by removing sludge from the existing holding ponds, relining them, and elevating the sides of the berms surrounding the WWTP above the 500-year FEMA elevation, or above future estimated sea level rise, to protect the facility against storm surge and other flooding, thereby increasing its resiliency.	$74,885
Beaufort County	Low Impact Development Site-Beaufort County Community College. Specifically, this site will include a bio-retention cell, rain garden, pervious parking spaces, and water diversion techniques. These LID techniques will be accompanied by on-site educational signs. Pamphlets and other educational materials will be available on campus and throughout the county that highlight these LID efforts. This project will be an effort to familiarize and educate the community with these LID options. This will allow the county to implement these techniques in other areas with the support of the community in order to reduce stormwater runoff and increase infiltration.	$64,130
Belhaven	Wynne's Gut Tidal Gates and Flood Attenuation. Improvements will include the creation of additional floodplain through grading improvements, erosion mitigation through vegetative plantings and the installation pumps and tide gates along Wynne's Gut. The floodplain improvements will reduce flooding, while the pumps will lower the water elevation during high water events, particularly during increasingly routine nuisance flooding.	$84,800

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TOTAL # OF PROJECTS AWARDED: 20

TOTAL GRANT FUNDS AWARDED: $1,145,160.00

Local Government	Project	Grant Amount
Bertie County	Cashie River Drainage System. To minimize future impacts the project goal is to temporarily slow down and/or store portions of flood-waters in the Cashie upstream wetlands and let the groundwater reservoir store and evapotranspiration processes utilize major portions of storm water runoff. Potential measures could include conservation easements, vegetation buffer zones, and temporary holding ponds.	$45,000
Cape Carteret	Cape Carteret Flood Mitigation Planning Project. To make Stormwater Facility Improvements through-out the Town of Cape Carteret. To engage in Stormwater Infrastructure Mapping and the provide solutions for Stormwater Pretreatment at the project sites previously identified.	$85,000
Craven County	Craven County Living Shoreline Prioritization and Engineering Design. This project is to identify and prioritize eroding shore-lines along the banks of the Neuse and Trent Rivers and their associated tributaries in Craven County, NC to install living shorelines.	$45,000
Dare County-Hatteras Village	Hatteras Village Stormwater Improvements. The engineer will be tasked with designing stormwater infrastructure that will not only reduce flooding of primary roads, but also increase stormwater holding capacity and improve water quality be-fore flood waters drain into the numerous waterways in the area. Depending on the height of the groundwater table, mul-tiple stormwater wetlands or bioretention areas will be placed alongside the road, receiving water due to natural grade or via installation of swales and stormwater piping.	$45,000
Duck	Duck Neighborhood Floodwater Management Plan. The pro-cess will involve technical analysis of the issues and identifica-tion of potential solutions for each area of repetitive flooding. Analysis of each flooding area and their drainage sheds will help determine why these areas hold water and if there are potential locations for nature-based solutions and/or pump-to infiltration sites.	$45,000

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Local Government	Project	Grant Amount
Town of Hertford	Jennies Gut Drainage Improvement Feasibility Study. Conduct a comprehensive evaluation of the flow dynamics in Jennies Gut and associated drainage structures (ditches, culverts, etc.) Evaluate the potential to employ nature-based solutions to help retain water on the landscape or absorb water to prevent flooding of low-lying areas.	$45,000
Hyde County-Ocracoke	Ocracoke Stormwater Management Plan. Creating a storm-water management plan to advise policy and ordinance changes in our ODO to support the plan, such as LID tech-niques, and BMPs that can be translated into policy to ensure resiliency and environmental stewardship for the future.	$45,000
Town of Leland	Mallory Creek Drive Drainage Improvements. The existing roadside swales and utilities in this location require engineer-ing and design to generate a nature-based, shovel ready pro-ject. These improvements are crucial to our area, as Leland is susceptible to heavy precipitation events, erosion, and flood-ing.	$20,000
Nags Head	Town of Nags Head Drainage Infrastructure Improvements. Specifically, between the areas of James Street and Juncos Street, a 2,050 linear foot french drain perforated pipe system would accept and move water via a pump station into a natu-ral dune infiltration area. This project is needed both from a water quantity and water quality perspective. The reduction in flood waters will alleviate standing water on the roadway as well as reduce the volume of water directly discharged in the ocean through the S. Nags Head outfall.	$45,000
New Bern	Duffyfield Community Resilience Improvement-Basin Restora-tion and Enhancement. New Bern is proposing the restoration and enhancement of the Duffyfield Canal retention basin as a flood control project that will provide valuable resiliency to the community. The project is the second step of the Resili-ence Improvement Project, already underway with data col-lection and surveys.	$45,000

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Pine Knoll Shores	Town-Wide Nature-Based Stormwater Solutions. Implement natural and nature-based solutions (including infiltrations swales, bioswales, rain gardens, wetland restoration, and other options) to address stormwater issues on Town streets to decrease flooding risk. The project includes the identification and implementation of stormwater improvements and is intended as an on-going effort.	$45,000
Sunset Beach	Green Infrastructure-40th Street Erosion. Feasibility studies will be conducted to determine the need and success potential for green infrastructure projects such as constructed wetlands, living shorelines, roadside buffers, or other solutions for mitigation of tidal and storm surge flooding in key vulnerable areas.	$49,865
Swansboro	Water Street Rehabilitation. The proposed project would expand the scope of the current Water Street Rehabilitation plans to include a series of bioretention areas to treat and infiltrate runoff prior to entering the Water Street drainage system. As Broad Street connects to Water Street, a series of terraced bioretention cells would be installed in space made available by combining the separated single-lane portion of Broad Street. Finally, drainage within the bioretention cells would be connected to the proposed Water Street drainage improvements. Deployment of permeable pavers for on-street parking areas along Walnut Street, Elm Street, and Water Street may be added to further promote natural infiltration of runoff where feasible.	$45,000
Topsail Island (Surf City, N. Topsail Beach, and Topsail Beach)	Topsail Island Roadside Stormwater Project. This project is necessary to provide a nature-based solution to street flooding, impacting daily activities, evacuations, and an overall water quality improvement, especially where stormwater can be disconnected from existing discharge locations. Each town of Topsail Island - Surf City/Topsail Beach/North Topsail Beach - is committed to work together economically and efficiently to address hazardous flooded roadways.	$135,000

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Local Government	Project	Grant Amount
Vandemere	Improving Stormwater Culverts and Drainage in Vandemere. This project will focus on replacing and enlarging existing roadway culverts as well as clearing outfall and roadside ditches. This work will allow rainfall to better convey rainfall to the Pamlico river and sound, and allow tidal flooding to recede more rapidly.	$45,000
Washington	Jack's Creek Floodplain and Greenway Improvements. This project will help to reduce the potential for damages to nearby structures and assets, including road infrastructure and residential buildings, caused by these events, by incorporating additional volume into the system. This additional detention area will utilize land currently owned by the town to create volume for flood storage, but also will continue to serve a dual purpose as a public recreational area. The recreational area currently includes a greenway trail, rest areas, open space, and shading vegetation for public enjoyment which will be maintained in the design.	$61,480