

NFWF Hurricane Sandy Coastal Resiliency Competitive Grants Program
Marsh Replenishment Project
Little Egg Harbor Township and Tuckerton Borough, New Jersey

The Township of Little Egg Harbor and Tuckerton Borough are working together to complete an ambitious area-wide coastal dredging and ecosystem restoration project with funds provided by the National Fish and Wildlife Foundation (NFWF) through the Hurricane Sandy Coastal Resiliency Competitive Grants Program. NJ Future, a non-profit planning advocacy group, is serving as the project manager. T&M Engineers has been selected, through a competitive RFP process, as the project engineer. The purpose of this work is to protect and preserve the fragile tidal wetlands that border the two coastal communities.

The project area includes a 7-mile swath of lagoon communities in Little Egg Harbor and Tuckerton. The ecosystem restoration projects will include the design and implementation of a mix of established and innovative resiliency measures that make beneficial reuse of the dredge sediments and are meant to protect and preserve the fragile tidal wetlands that border the target communities. The planned resiliency measures to be used in this project include:

- *Living Shoreline Treatments* that create vegetated shoreline habitats through strategic placement of plants, stone, sediment and other structural or organic materials.
- *Thin-Layer Deposition* of dredged material on tidal marsh areas by means of high-pressure spray dredging technology to restore soil elevations in deteriorated marshes and adjacent shallow-water habitat.
- *Tidal Marsh Replacement and Restoration*, including potentially filling existing drainage or mosquito ditches and unfinished or abandoned lagoons; and
- *Beach Replenishment and Nourishment*, including the reuse of dredged sandy material to save and widen existing beach shorelines.

Exact locations of dredging and resiliency projects will be determined through a comprehensive feasibility study, currently underway. The total budget for this project, including engineering and construction services, and planting materials, is \$2,130,000. The New Jersey Corporate Wetlands Partnership has provided additional grant funds to enable the Barnegat Bay Partnership to monitor the success of the resiliency projects.

Schedule

Resiliency Measures Feasibility Study	Jun 2015
Preliminary Dredging Survey and Site Definition	Jun 2015
Hydrographic Survey and Plans	Jun 2015
Environmental Sampling and Testing Plan	Jul 2015
Collection and Analysis of Environmental Samples	Aug 2015
Permit Application Submitted	Aug 2015
Initial Project Design	Sep 2015
Final Design & Contract Documents	Feb 2016
Construction Begins	Apr 2016