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# Hurricane Sandy Coastal Resiliency Competitive Grant Program 2017 Grant Slate

## NFWF CONTACT

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## ABOUT NFWF

The National Fish and Wildlife Foundation (NFWF) protects and restores our nation's fish and wildlife and their habitats. Created by Congress in 1984, NFWF directs public conservation dollars to the most pressing environmental needs and matches those investments with private funds. Learn more at [www.nfwf.org](http://www.nfwf.org)

## NATIONAL HEADQUARTERS

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## OVERVIEW

The Hurricane Sandy Coastal Resiliency Competitive Grant Program supports projects that reduce communities' vulnerability to the growing risks from coastal storms, sea level rise, flooding, erosion and associated threats through strengthening natural ecosystems that also benefit fish and wildlife. The program, funded by the Hurricane Sandy disaster relief appropriation through the Department of the Interior (DOI), is administered by NFWF.

Grants were awarded to projects that targeted ecological and socioeconomic monitoring to collect data that will be used to assess the impact of the suite of 38 resilience restoration projects funded through the Department of the Interior's Hurricane Sandy Coastal Resiliency Program. This monitoring effort is focused on four primary resilience activities, including: 1) marsh restoration, 2) living shoreline restoration, 3) beach and dune restoration, and 4) restoration of aquatic connectivity.

Program implementation is being closely coordinated with several DOI bureaus including the U.S. Fish and Wildlife Service, the National Park Service, the U.S. Geological Survey, the Bureau of Ocean Energy Management and the Bureau of Indian Affairs.

*(continued)*



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New plantings at a New Jersey beach

**MONITORING ECOLOGICAL AND SOCIOECONOMIC IMPACTS**

The following projects seek to conduct ecological and socioeconomic monitoring to collect data that will be used to assess the impact of the suite of 38 resilience restoration projects funded through the Department of the Interior’s Hurricane Sandy Coastal Resiliency Program. Projects will collect data for ecological and socioeconomic metrics aligned with each of these projects in order to provide a consistent set of data to answer evaluation questions related to ecological impacts, social impacts, and cost-effectiveness. The grant slate represents a total award amount of \$16,189,246 which will be leveraged by \$7,792,594 in grantee match for a total on-the-ground impact of \$23,981,840.

**1) Monitoring the Hurricane Sandy Coastal Resiliency Program’s Socioeconomic Impacts in the Northeast**

Grantee: Abt Associates  
NFWF Award Amount: ..... \$2,242,026  
Matching Funds: ..... \$94,000  
**Total Project: ..... \$2,336,026**

Conduct socioeconomic monitoring for 38 Hurricane Sandy coastal resiliency projects throughout the Northeast from Virginia to Maine. Project will measure and advance the state of knowledge around coastal resilience’s socioeconomic impacts on human health and safety, property and infrastructure protection and enhancement, and community resilience.

**2) Collecting Ecological Data and Models of Living Shoreline Restoration Projects (MD, NJ, NY, VA)**

Grantee: U.S. Geological Survey - Wetland and Aquatic Research Center  
NFWF Award Amount: ..... \$1,195,728  
Matching Funds: ..... \$324,269  
**Total Project: ..... \$1,519,997**

Collect ecological monitoring data and conduct modeling of living shoreline restoration projects. Project will contribute to the assessment of this new technique’s wave and energy reduction benefits.

**3) Assessing the Ecological Effectiveness of Hurricane Sandy Northeast Marsh Restoration Projects**

Grantee: U.S. Fish & Wildlife Service  
NFWF Award Amount: ..... \$2,600,000  
Matching Funds: ..... \$883,501  
**Total Project: ..... \$3,483,501**

Measure the ecological effectiveness for 23 innovative marsh restoration sites. Project will contribute data critical for the assessment of these new marsh restoration techniques’ ecological benefits and cost-effectiveness.



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**4) Evaluating Beach and Dune Resilience Restoration in the Mid-Atlantic (DE, NJ, NY)**

Grantee: National Park Service - Gateway National Recreation Area  
NFWF Award Amount: ..... \$784,264  
Matching Funds: ..... \$725,165  
**Total Project: ..... \$1,509,429**

Collect ecological metrics critical to evaluating beach and dune resilience in Delaware, New Jersey, and New York. Project will conduct ecological monitoring that will be used to inform future beach and dune resilience knowledge and management.

**5) Evaluating the Ecological Effectiveness of Hurricane Sandy Marsh Restoration Projects (DE, NJ, VA)**

Grantee: U.S. Fish and Wildlife Service  
NFWF Award Amount: ..... \$2,780,633  
Matching Funds: ..... \$1,850,242  
**Total Project: ..... \$4,630,875**

Conduct ecological monitoring useful for evaluating marsh restoration techniques and effectiveness at National Wildlife Refuges including: Prime Hook, Forsythe, Cape May, and Great Dismal Swamp. Project will build upon previous ecological monitoring and contribute to the evaluation of innovative marsh restoration techniques.

**6) Assessing the Effectiveness of Living Shoreline Projects in the Northeast**

Grantee: U.S. Fish and Wildlife Service  
NFWF Award Amount: ..... \$1,104,270  
Matching Funds: ..... \$100,000  
**Total Project: ..... \$1,204,270**

Record ecological monitoring data for living shoreline restoration projects in the Northeast. Project will contribute to the assessment of this emerging resilience technique's understanding, cost effectiveness, and ecological benefits.

**7) Conducting Ecological Monitoring of Hurricane Sandy Aquatic Connectivity Sites (CT, MA, MD, NJ, RI)**

Grantee: U.S. Fish and Wildlife Service  
NFWF Award Amount: ..... \$2,882,850  
Matching Funds: ..... \$679,988  
**Total Project: ..... \$3,562,838**

Monitor ecological resilience changes at nine aquatic connectivity sites in the Northeast. Project will contribute crucial knowledge that will be used to improve aquatic connectivity system cost-effectiveness and functionality.

**8) Monitoring Hurricane Sandy Beach and Marsh Resilience in New York and New Jersey**

Grantee: U.S. Geological Survey - Saint Petersburg Coastal and Marine Science Center  
NFWF Award Amount: ..... \$2,599,476  
Matching Funds: ..... \$3,135,429  
**Total Project: ..... \$5,734,905**

Collect ecological resilience metrics for seven beach and marsh restoration projects in New York and New Jersey. Project will provide ecological data useful for evaluating cost-effectiveness and ecological benefits for these restoration techniques.



Piping plover chick