

## Coastal Resilience Grants - FY 2016 Project Summaries

Applicant	Project	Award
Town of Barnstable	<p><i>Coastal Resiliency at Sandy Neck Public Beach Facility</i></p> <p>The town will study wind and wave forces affecting the Sandy Neck shoreline and evaluate long-term management options for protecting the Public Beach Facility from storm and flood damages.</p>	\$148,500
City of Boston	<p><i>Boston Climate Preparedness Planning Initiative</i></p> <p>The city, in partnership with the Boston Redevelopment Authority and Green Ribbon Commission, will review and develop consensus on local climate change projections and impacts, identify vulnerabilities and develop an initial portfolio of actions to strengthen the resiliency of buildings, neighborhoods and infrastructure.</p>	\$350,000
Town of Brewster	<p><i>Developing a Coastal Adaptation Strategy for Brewster</i></p> <p>The town will provide information to the public on the vulnerability of infrastructure and natural resources to flooding and erosion, gather input on community priorities and build consensus on local strategies that will enable the town to respond and adapt to changing climate conditions.</p>	\$159,474
City of Chelsea	<p><i>Designing Coastal Community Infrastructure for Climate Change</i></p> <p>The city will evaluate the vulnerability of municipal infrastructure to coastal flooding and sea level rise and identify local and regional strategies, including building retrofits and natural shoreline stabilization methods, to reduce future flood risks.</p>	\$90,000
Town of Dennis	<p><i>Designing Coastal Community Infrastructure for Climate Change</i></p> <p>The town will evaluate and design a natural and/or non-structural approach to reduce erosion and provide storm damage protection and flood control for Dr. Bottero Road while enhancing the resilience and natural function of the barrier beach.</p>	\$73,125
Town of Edgartown	<p><i>Improving the Coastal Resilience of Fuller Street/Lighthouse Beach and Lighthouse Pond</i></p> <p>The town will complete permitting activities for a beach nourishment and dune restoration design for Fuller Street Beach that would restore habitat, improve the natural function of the barrier beach and provide recreational benefits to the town.</p>	\$62,250

Town of Essex	<p><i>Increasing Resilience through Community Engagement: Facilitating Implementation of Climate Adaptation Strategies in the Great Marsh</i></p> <p>The town, working with the National Wildlife Federation, Ipswich River Watershed Association and Essex County Greenbelt Association, will develop informational packets and risk maps and conduct a regional workshop to expand public awareness of coastal vulnerabilities in the Towns of Essex, Salisbury, Newbury, Newburyport, Rowley and Ipswich.</p>	\$62,943
Town of Falmouth	<p><i>Planning and Design for Restoration at Chapoquoit Beach through Beneficial Reuse of Dredged Materials</i></p> <p>The town will plan and design a beach restoration project for a critically eroded section of Chapoquoit Beach and coordinate with the U.S. Army Corps of Engineers to receive sand dredged from the Cape Cod Canal for future beach restoration projects.</p>	\$81,767
City of Lynn	<p><i>Lynn Waterfront Resiliency Assessment</i></p> <p>The city will assess public infrastructure and natural resources at risk of flooding and sea level rise inundation and develop potential short, mid and long-term adaptation strategies to address high risk areas. The city will develop public outreach materials, including a web-based platform, to communicate vulnerability assessment results.</p>	\$73,000
City of New Bedford	<p><i>New Bedford Sewer Pump Station Flood Proofing</i></p> <p>The city will evaluate flood proofing needs for nine of its most vulnerable sewer pump stations and design and permit the highest priority, least complex improvements to provide uninterrupted service during flood events.</p>	\$255,000
Town of Plymouth	<p><i>Warren Cove Cobble Nourishment</i></p> <p>The town will complete final designs and permitting activities for adding sand, gravel and cobble along 900 feet of an eroded barrier beach to reduce damages to public infrastructure and restore natural coastal resources and habitat.</p>	\$73,350
City of Quincy	<p><i>Hydrodynamic Modeling and Community Education</i></p> <p>The city will work with the Metropolitan Area Planning Council to complete a coastal flooding and sea level rise vulnerability assessment and implement a community education program to inform and engage community members on coastal impacts and adaptation strategies.</p>	\$75,000

Towns of Sandwich and Barnstable	<p><i>Assessment of Century Scale Sediment Budget for the Towns of Sandwich and Barnstable</i></p> <p>The towns will study the volume, rate and direction of sand moving along the shoreline from the Cape Cod Canal to the easterly side of Barnstable Harbor. This data will help inform the design, evaluation and implementation of regional shoreline management efforts.</p>	\$157,930
Town of Scituate	<p><i>Assessing Coastal Erosion, Sediment Transport and Prioritization Management Strategies for Shoreline Protection</i></p> <p>The town will study the effect of waves and the movement of sand and other sediment along the shoreline as a basis for identifying and prioritizing viable shoreline protection strategies.</p>	\$180,000
Town of Winthrop	<p><i>Lewis Lake Tide Gate Replacement and Structure Rehabilitation</i></p> <p>The town will rehabilitate the existing tide gate at Lewis Lake to control flow and allow tidal exchange between Lewis Lake and Winthrop Harbor, helping to maximize available flood storage in the lake and reduce the extent of flooding.</p>	\$317,625
Town of Winthrop	<p><i>Coughlin Park Green Infrastructure Feasibility Study</i></p> <p>The town will evaluate natural and non-structural shoreline protection approaches and develop conceptual plans for a preferred alternative that provides the most erosion control and improved wildlife habitat along the Coughlin Park shoreline.</p>	\$75,000
<b>TOTAL</b>		<b>\$2,234,964</b>