Coastal Resilience Grants - FY 2017 Project Summaries

Applicant	Project	Award
City of Beverly	*Beverly Waterfront Resiliency Project* The City of Beverly will identify climate change risks and develop preliminary strategies to protect the most vulnerable public infrastructure and critical facilities from flooding and sea level rise.	$89,981
City of Boston	*Acting on Climate Ready Boston Recommendations - Priority Flood Mitigation in East Boston and Charlestown* The City of Boston will build on the vulnerability assessment developed through the Climate Ready Boston project and develop and design nature-based coastal resiliency strategies for two priority sites: The East Boston Greenway and Charlestown's Schrafft site.	$227,000
Town of Dennis	*Salt Marsh Pilot Restoration through the Beneficial Re-Use of Dredged Material* The Town of Dennis will evaluate, design and prepare permit applications for a pilot project on Stage Island and West Dennis Beach to determine whether the beneficial re-use of dredged material is an effective means of combating marsh losses and restoring storm protection functions.	$22,750
Town of Harwich	*Planning for Resilience at Saquatucket Harbor* The Town of Harwich will prepare site plans, architectural drawings and permit applications for improvements to landside municipal facilities bordering Saquatucket Harbor to accommodate increased flooding and sea level rise	$187,500
Town of Ipswich	*Ipswich River Coastal Resiliency and Coastal Bank Stabilization Pilot Project Phase I* The Town of Ipswich will assess areas along the Ipswich River that are vulnerable to erosion and sea level rise impacts and evaluate the feasibility of nature-based stabilization techniques to help protect critical roadways and utilities.	$63,300
Town of Marshfield	*Assessing Alternatives for Reducing Flooding within Green Harbor River Estuarine System through the Optimization of the Tide Gates Located on Dyke Road* The Town of Marshfield will evaluate modifications to the culvert and tide gate structure on Dyke Road under existing and future sea level rise conditions to address flooding issues and enhance ecological resources by improving tidal flow and flood storage capacity within the Green Harbor River estuary.	$71,250

Town of Mattapoisett	*Addressing Mattapoisett's Potable Water Infrastructure Vulnerabilities at the Pease's Point Water Main Crossing* The Town of Mattapoisett will assess beach stability under a range of sea level rise and hurricane conditions at Fresh Pond Cove and quantify coastal hazard risk to an existing exposed water main that traverses the beach from Pease's Point to Point Connett. Modeling results will be used to help determine options for relocating the water main crossing to ensure service and water quality will be maintained in the two neighborhoods.	$47,625
City of New Bedford	*West Rodney French Boulevard Beach Nourishment Project* The City of New Bedford will evaluate and design a beach nourishment restoration project along three armored sections of West Rodney French Boulevard that are particularly vulnerable to erosion and tidal impacts.	$168,750
City of Newburyport	*Newburyport Dune Restoration and Beach Access Improvement Project* The City of Newburyport will prepare design plans for dune restoration and an elevated beach access structure to provide critical storm buffering to low-lying neighborhoods while maintaining beach access. Educational signage will also be installed to communicate the importance of vegetated dunes and maintain dune integrity.	$78,400
Town of Orleans	*Design, Permitting and Public Education in Support of Phased Retreat at Nauset Public Beach* The Town of Orleans will survey, design and develop permit applications to enhance dunes and relocate facilities at Nauset Public Beach that are currently vulnerable to coastal storm damage and sea level rise, while maintaining recreation and public access to the shoreline.	$27,000
Town of Plymouth	*Evaluating Inlet Stabilization at Ellisville Harbor* The Town of Plymouth will assess structural and non-structural stabilization alternatives to allow for a more sustainable tidal inlet system at Ellisville Harbor and maximize the health of the salt marsh.	$111,000
City of Quincy	*Adaptation Alternatives for the Germantown Neighborhood* The City of Quincy will develop and prioritize climate adaptation strategies for protecting Palmer Street and surrounding water resource and utility infrastructure serving the Germantown neighborhood.	$67,500

City of Salem	*Salem Collins Cove Bioengineering with Coir Rolls and Sea Grass Planting* The City of Salem will fully design and permit a bioengineering project using coir rolls with natural vegetation along the southern portion of Collins Cove to provide a more natural buffer to erosion from storm surge and wave forces.	$54,665
Town of Scituate	*Evaluating Roadway Elevation Improvements and Dune/Beach Nourishment along North Humarock Beach for Improved Coastal Resiliency* The Town of Scituate will evaluate beach and dune nourishment alternatives and roadway elevation improvements along a low-lying area of Central Avenue on North Humarock Beach to provide storm damage protection for repetitively damaged public infrastructure.	$103,500
Town of Swampscott	*Waterfront Access Elevation and Flood Protection Project* The Town of Swampscott will develop design plans and permit applications for improvements to several of its waterfront access ways that have been identified as primary pathways for coastal flooding from storm surge and sea level rise.	$103,000
Town of Truro	*Mapping Inundation Pathways to Provide Communities with Real-time Coastal Flood Forecasts: A Pilot Project with the National Weather Service* The Town of Truro will identify low-lying flooding pathways under current and future storm conditions and incorporate mapping data on a town website as well as the Southern New England Weather Forecast Office's inundation mapping webpage. The town will also install a tide staff and provide the public and local emergency responders with real-time forecasts of the heights, locations and pathways of coastal storm flooding.	$35,007
Town of Wareham	*Permit Level Designs for Three Priority Pump Stations* The Town of Wareham will develop permit-level designs for retrofit measures at three of its most critical pump stations to remain operational during future storm events and help minimize public health and environmental risks.	$150,000

Town of Weymouth	*Puritan Road Flood Mitigation and Ecological Resilience* The Town of Weymouth will prepare final design plans and permit documents for replacing a persistently collapsing culvert at Puritan Road and "daylighting" a portion of the Weymouth Back River to reduce flooding and restore the tidal creek to a more natural condition.	$51,504
Town of Winthrop	*Climate Change Vulnerability and Risk Assessment of Infrastructure* The Town of Winthrop will evaluate the vulnerability of critical public infrastructure to coastal flooding and sea level rise and develop conceptual designs for adaptation strategies at up to five priority locations.	$165,000
TOTAL		$1,824,732