

FY2022 Coastal Resilience Grant Awards

Recipient	Project Title and Description	Grant Award
<p>Braintree</p>	<p><i>Construction of Watson Park Shoreline Erosion Mitigation and Coastal Resiliency Improvement Project</i></p> <p>The Town of Braintree will construct a nature-based shoreline restoration project to mitigate erosion and flooding at Watson Park, including fringing salt marsh restoration, natural coastal bank stabilization, an earthen berm and additional stormwater management measures.</p>	<p>\$772,580</p>
<p>Chatham</p>	<p><i>Use of Temporary Flow Training Structures and Beach Nourishment to Mitigate Coastal Erosion</i></p> <p>The Town of Chatham will evaluate the use of temporary tidal flow re-direction structures combined with beach nourishment along the Stage Harbor barrier beach and inlet system. This approach was previously identified as the preferred alternative to mitigate erosion and shoaling over the next 10-20 years. Through this year's project, the design for the preferred alternative will be created, and feedback on the design will be obtained from environmental regulatory agencies.</p>	<p>\$107,844</p>
<p>Chatham, on behalf of the Pleasant Bay Alliance</p>	<p><i>Pleasant Bay Living Shorelines: Jackknife Beach Salt Marsh Restoration</i></p> <p>The Town of Chatham, on behalf of the Pleasant Bay Alliance, will complete permitting and prepare construction documents for a fringing salt marsh enhancement project to protect the popular Jackknife Beach recreational area.</p>	<p>\$141,675</p>
<p>Dartmouth</p>	<p><i>Assessment, Design and Permitting to Improve the Coastal Resiliency and Function of Apponagansett Park/Arthur Dias Town Landing</i></p> <p>The Town of Dartmouth will assess alternatives and develop resilient nature-based and structural design strategies for addressing the failing seawall around the perimeter of Apponagansett Park and Arthur Dias Town Landing, which regularly experience flooding during spring tides and coastal storms.</p>	<p>\$107,255</p>
<p>Edgartown</p>	<p><i>South Beach Bathhouse Relocation and Dune Restoration Project</i></p> <p>The Town of Edgartown and The Trustees of Reservations will relocate the South Beach bathhouse 50 feet landward, remove an asphalt surface and restore the primary coastal dune on South Beach and adjacent Norton Point Beach with compatible dredge material and native plants. The project will also move the current over-sand-vehicle trail more landward, which currently runs through the dune overwash area.</p>	<p>\$240,674</p>

Falmouth	<p><i>Feasibility Assessment for Addressing Increased Erosion along the Eel River Inlet Shoreline Due to Barrier Beach Migration</i></p> <p>The Town of Falmouth will assess a full range of management alternatives for providing protection for the shoreline along the western side of the Eel River entrance channel over the next 30-50 years. The evaluation of alternatives will also consider protection of infrastructure landward of the barrier beach system, navigation safety and estuarine water quality.</p>	<p>\$64,170</p>
Gosnold	<p><i>Gosnold Fuel Resilience Project</i></p> <p>The Town of Gosnold will evaluate, design, permit and install a preferred alternative for an above-ground fuel storage facility on Cuttyhunk Island. The project will incorporate coastal storm and sea level rise considerations when replacing the recently removed underground tanks.</p>	<p>\$212,000</p>
Hingham	<p><i>Climate Resilience Redesign of Hingham’s Broad Cove Pump Station and Force Main</i></p> <p>The Town of Hingham will analyze site conditions and develop design options for the replacement of the deteriorating and vulnerable Broad Cove Pump Station sewer force main as well as protective measures for the station, which services 95% of the town’s north sewer district flow.</p>	<p>\$165,000</p>
Hull	<p><i>Restoring a Continuous Primary Dune along Beach Avenue - North Nantasket Beach</i></p> <p>The Town of Hull will design and permit the restoration of the primary frontal dune at two remaining large openings in the North Nantasket Beach primary dune system, as well as conduct stakeholder engagement activities to enhance storm damage protection to buildings, critical roadways, utilities and recreational infrastructure.</p>	<p>\$70,055</p>
Ipswich	<p><i>Building Climate Resilience through Adaptation at the Crane Estate: Development of Single Environmental Impact Report (SEIR) and Notice of Intent Application (NOI) for Argilla Road Adaptation</i></p> <p>The Town of Ipswich and The Trustees of Reservations will complete the SEIR, prepare and submit the NOI and renew the Order of Resource Area Delineation for the Argilla Road Adaptation project, which aims to elevate Argilla Road and build resilience using innovative nature-based designs to provide a storm-resilient transition to the adjacent wetlands and restore upland wetlands to full function through increased tidal exchange.</p>	<p>\$75,642</p>

Marblehead	<p><i>Marblehead Municipal Light Department and Adjoining Public Lands Coastal Resilience Implementation and Expanded Analysis and Design</i></p> <p>The Town of Marblehead will conduct a detailed vulnerability assessment of the Municipal Light Department, Hammond Park and adjoining public infrastructure and develop alternatives to mitigate flooding and sea level rise impacts. The project will advance the implementation of near-term floodproofing measures, while also working to identify long-term adaptation strategies with stakeholder input.</p>	<p>\$131,705</p>
Marion	<p><i>Front Street Pump Station Resiliency Improvements and Force Main Evaluation</i></p> <p>The Town of Marion will conduct preliminary design work of additional flood protection measures as the Front Street Pump Station, evaluate the sewer force main pipe that carries flow from the pump station to the Marion Water Pollution Control Facility, and design, bid and construct a bypass connection in the event of a pump station failure.</p>	<p>\$148,500</p>
Mattapoisett	<p><i>Reopening Old Slough Road for Vehicle Travel in Emergencies</i></p> <p>The Town of Mattapoisett and the Mattapoisett Land Trust will complete engineering design and survey work to reopen Old Slough Road as an emergency access route for vehicles traveling to and from the Point Connett and Angelica Point communities, which are currently accessed by a low-lying roadway that is vulnerable to coastal storm and sea level rise impacts.</p>	<p>\$29,400</p>
Mattapoisett	<p><i>Eel Pond Sewer Force Main Replacement - Permitting and Final Design</i></p> <p>The Town of Mattapoisett will complete final design and permitting necessary to implement the Eel Pond Sewer Force Main Replacement Project along the barrier beach and under the West Channel. The preferred approach for the new force main route is to use horizontal directional drilling to install the force main deeper and farther from the ocean than the existing force main to protect the main from flooding, erosion and beach migration over the design life.</p>	<p>\$158,765</p>
Orleans	<p><i>Nauset Beach Parking Lot Phased Retreat Construction Project</i></p> <p>The Town of Orleans will complete bid documents and construct a parking lot, septic system leaching field and other associated infrastructure improvements at Nauset Beach landward of the existing parking lot and flood zones. The phased retreat plan includes reducing the size of the existing vulnerable parking lot in the future and allowing landward migration of the dune.</p>	<p>\$1,000,000</p>

<p>Salem</p>	<p><i>Climate Change Deep Dive Model, Alternatives Analysis and Targeted Outreach and Engagement Project</i></p> <p>The City of Salem will conduct a detailed vulnerability assessment of the Palmer Cove area of the Point neighborhood, which is at risk to severe flooding and climate change impacts. The project will develop a model of the area’s current and future climate risks, provide an alternatives analysis and adaptation measures and conduct an intensive multi-lingual outreach and engagement campaign in the community.</p>	<p>\$168,750</p>
<p>Tisbury</p>	<p><i>Public Outreach, Design Assessment and Permit Level Plan Preparation for Coastal Storm Protection along the Vineyard Haven Harbor Shoreline</i></p> <p>The Town of Tisbury will continue to increase public involvement and outreach, refine conceptual designs and initiate permitting activities for flood protection for downtown Vineyard Haven, including beach and dune nourishment, roadway elevation and construction of a berm.</p>	<p>\$169,272</p>
<p>Wareham</p>	<p><i>Elevated Generator Platform at Salt Works Road Pump Station</i></p> <p>The Town of Wareham will construct an elevated platform that incorporates coastal storm and sea level rise projections to protect an emergency generator at the Salt Works Road Pump Station. The pump station is located 100 feet from the shoreline and is part of a critical infrastructure system that protects public health and the environment.</p>	<p>\$127,000</p>
<p>Woods Hole Oceanographic Institution</p>	<p><i>Resilient Woods Hole: Private-Public Investment to Ensure the Future of a Seaside Community and Blue Economy Village</i></p> <p>The Woods Hole Oceanographic Institution, in partnership with the Town of Falmouth, National Oceanic and Atmospheric Administration, and Marine Biological Laboratory, will identify flood pathways and vulnerabilities to public and nonprofit institutions, local businesses, natural resources and residents in the village. The project will include proactive engagement with the community, schools, businesses and visitors to build support for the implementation of long-term strategies.</p>	<p>\$199,841</p>