

Quarterly report from the Coastal Resilience Advisory Committee (CRAC) to the Select Board for October to December 2022.

HIGHLIGHTS FROM THE QUARTER:

- The Committee wrote a letter of support for the August 11 Conservation Commission letter to Mass DEP. The committee recommended that the Select Board co-sign the letter as CRAC is advisory to Select Board. The Select Board approved, and the joint letter was sent on December 6, 2022.
- CRAC spoke with the Nantucket Historic Association about their climate resiliency planning, including their 2018 “Flood Resiliency Report & Facilities Capital Expenditure Forecast Plan”; a planned WPI project to look at building adaptation for the Whaling Museum; and the December 2022 Climate Change Symposium they are hosting.

COASTAL RESILIENCE PLAN (CRP) ACTIVITIES:

CRAC conducted a 1 year review of the status of the Coastal Resilience Plan’s 40 recommendations to document their progress. Two projects are essentially completed or established as ongoing efforts: **Recommendation 1-5 Coastal Resilience & Sustainability Interdepartmental Working Group** and **Recommendation 1-9 Shoreline Change Monitoring Program**.

There is a new page on the Town’s website for the Shoreline Change Monitoring Program at <https://www.nantucket-ma.gov/2628/Shoreline-Change-Monitoring-Project>

One other project is partially completed. CRAC received an update in the spring that the first phase of **Recommendation 4-3 Coastal Erosion Mitigation and Dune Resilience** was completed with the development of [this report](#) by NCF and Trustees of Reservations.

19 other recommendations from the CRP are in various stages of development, and 18 remain to be started.

OTHER BUSINESS

The Massachusetts Coastal Flood Risk Model (MC-FRM) maps showing the projected “Probability of Coastal Flooding” for the Present (2020), 2030, 2050, and 2070 are now available as layers on the Town’s GIS system, making them freely available to the public. To access them at <https://nantucketma.mapgeo.io/datasets/properties>, click on Themes on the top right, and expand the selection for Emergency Preparedness.

This availability of the maps, which were recommended by and used in the Coastal Resilience Plan, will allow the Committee to present its updated Sea Level Rise recommendation to the Select Board in the first quarter of 2023.

Requests & Recommendations:

- Are there current or upcoming issues for which the Select Board would like the CRAC's advice?
- The CRAC requests that the Select Board specifically list as a third goal in the Environmental area of their Strategic Plan the implementation of the 40 recommendations of the CRP over the next ten years.

AREA OF STRATEGIC FOCUS:

Environmental Leadership



ASPIRATIONAL STATEMENT:

Nantucket residents and visitors share responsibility for the long-term sustainability of our beautiful island. We recognize our stewardship of the land, air, and water and work to ensure our community is resilient and self-sufficient. Other communities look to Nantucket to learn how to care for the natural environment.

GOALS:

- > Provide data-driven recommendations on island-wide solid waste management guided by principles of sustainability.
- > Finalize an island-wide, long-term water quality management plan that addresses ponds, harbors, stormwater, and wastewater with specific ways/methods to measure improvement.