Quarterly report from the Coastal Resilience Advisory Committee to the Select Board for January to March 2022.

Highlights from the quarter
- Chuck Larson gave a report on the potential for high tide flooding at the intersection of Easy Street and Oak Street based on NASA data and NOAA projections indicating that we may see nuisance flooding there as often as 100 times a year by 2040.
- With Vice Chair Peter Brace representing CRAC, 7 of 9 CRAC members attended the Design Thinking Workshop, with the others representing their own organizations. The Design Thinking Workshop on March 7th and 8th was wildly successful and a number of productive ideas were developed. The outputs of the Workshop are presented in this link. Nantucket Design Thinking - March 2022 (office.com)
- ReMain Nantucket released their follow-up Envision Resilience Nantucket Challenge Climate Survey II, which included three questions regarding the Coastal Resilience Plan (report download available at https://www.envisionresilience.org/)

COASTAL RESILIENCE PLAN ACTIVITIES:

The Committee decided on **CRP Recommendation 2-6: Downtown Neighborhood Flood Barrier** as the priority project to pursue for grant funding with Arcadis' assistance.

Recommendation 2-1 Steamboat Wharf Resilience: On January 25th, Robert Davis, General Manager of the Steamship Authority spoke to CRAC, with Rob Ranney & Nat Lowell. He outlined the ways the SSA is incorporating flood protection in the design of the new Woods Hole terminal building. Mr. Davis spoke about replacing the deteriorating wharf bulkhead and 40 year old terminal building on Nantucket in the 2028-2032 timeframe, including plans for adapting to sea level rise and increasing severe weather, as well as coordinating with the Town on resilience projects along the Broad Street-Easy Street corridor.

Recommendation 1-8 Shoreline Change monitoring program.
Begun in December 2021 and developed throughout the first quarter of 2022, this program was expanded to new locations along the South Shore. Current locations include:
Tom Nevers – 5 monitoring points, Airport – 3 monitoring points, Nonantum Ave – 1 monitoring point
Sewerbeds – 3 monitoring points, Madaket Road – 2 monitoring points
Currently using stakes and measuring tape to measure change to the nearest foot. NRD is planning to purchase engineering level GPS unit that will be much more accurate and allow for many measurements and can also capture elevation change. Intend to develop a reporting plan for this information.

Recommendation 1-14 Update Locally-adopted Sea Level Rise Scenarios and Best Available Flood Hazard Data
- In February 2022, NOAA released an updated set of sea level rise projections. These are being reviewed by the committee and will be the subject of upcoming CRAC meetings
- The committee is also discussing the use of the Massachusetts Coastal Flood Risk Model as the most relevant sea level rise projects for Nantucket. In light of the recent update to the NOAA data, this is an ongoing conversation.

GRANT APPLICATIONS: The Coastal Resilience Coordinator is now actively pursuing a CZM grant for a feasibility study for the Downtown Neighborhood Flood Barrier.

- On February 22, committee spoke with Courtney Rocha, Southeast Regional Coordinator, Municipal Vulnerability Preparedness (MVP) about their grants program.
- On March 22, the committee spoke with Stephen McKenna, Cape Cod and Islands Regional Coordinator, from Coastal Zone Management (CZM) about the CZM grants program
- Two other grant programs were investigated:
  - A letter of interest was sent to the Direct Technical Assistance Program which is run through the FEMA program BRIC – Building Resilient Infrastructures and Communities.
  - National Fish and Wildlife Foundation (NFWF) Coastal Resilience Grants Program

Requests?

Is there anything that the committee wants to ask of or from the Select Board?