

Envision Resilience Nantucket Challenge

A 2021 design studio hosted by ReMain Nantucket

Resilient Nantucket Forum

April 24, 2021

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ENVISION RESILIENCE

NANTUCKET

ReMain Nantucket / ReMain Ventures

Mission

ReMain Nantucket and ReMain Ventures are dedicated to strengthening the enduring economic, social and environmental vitality of Downtown Nantucket and to encourage innovation and bring resilience to natural resources and industry management across the Island.

ReMain Nantucket and ReMain Ventures are island-based organizations established by Wendy and Eric Schmidt. We conduct two kinds of activities. Our charitable work is conducted as an offshoot of The Schmidt Family Foundation while the Ventures projects and real estate development are implemented as private, rather than foundation, investments.



A Focus on the Environment

- Nantucket Footprints
- Support of Town of Nantucket to open the Energy Office and hire the Island's first Recycling Coordinator
- Stop the Straw Campaign



A Focus on the Environment

- Support for Public Transit
- Funding for a wind turbine at the Nantucket High School
- Support for the network of bike paths



A Focus on the Environment



Envision Resilience Nantucket Challenge

Vision for coastal resilience

- 2019 Keeping History Above Water
- Collaborations with Town of Nantucket and nonprofits to support education efforts around resilience and sea-level rise
- Partnership for building survey equipment, PI:N study of Washington Street, and continued studies



Envision Resilience Nantucket Challenge

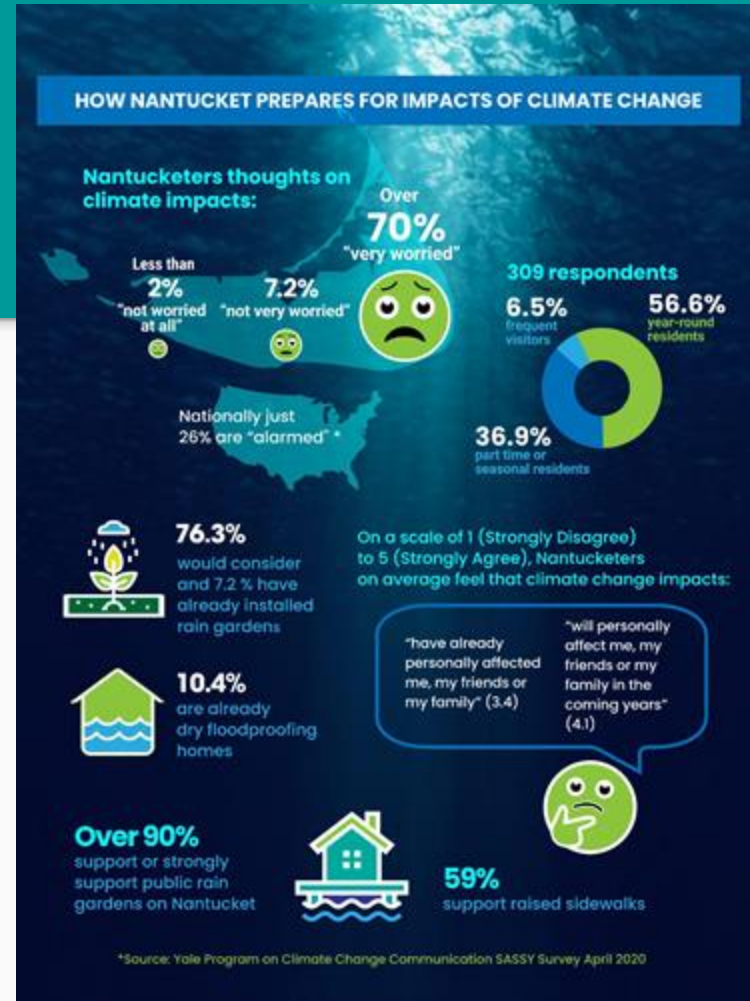
Concept for Envision Resilience

- Response to the community's interest and concern about sea level rise
- Opportunity to inspire our neighbors and wider community to consider resilience in a new light



Envision Resilience Goals

- Design Studio
- Community Engagement
- Measure Change in Attitude



Climate Survey Results

- Over 300 responses, survey conducted by Boston-based firm EBP
- 171 respondents (**55.3 percent**) indicated they were interested in learning more about adaptive strategies for flooding and other climate change impacts
- A combined **88 percent of respondents** expressed that they are either “alarmed” or “concerned” about the impacts of climate change on the Nantucket community
 - That’s compared to the **26% of Americans** “alarmed” about climate change nationally in 2020 (Source: Yale Program on Climate Change Communications)

Climate Survey Results

- When asked about individual adaptation actions, the greatest support was for installing rain gardens, with **76.3 percent of survey respondents indicating that they would consider this action.**
- Over **90 percent of respondents support or strongly support** the use of public rain gardens on Nantucket.
- Efforts to dry floodproof homes were already being taken by **10.4 percent of respondents**—the highest level of any individual adaptation action.
- **59 percent of respondents support** raised sidewalks and neighborhoods.

Envision Resilience Nantucket Challenge Spring 2021 Design Studio

- Inspired to consider through an innovative and hopeful lens how a community may look under sea level rise projections, ReMain Nantucket introduced the Envision Resilience Nantucket Challenge in July 2020
- Film and production by **Ryan Lester '21, Historic Preservation and Mass Communications at the University of Florida**



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College of Arts, Media and Design
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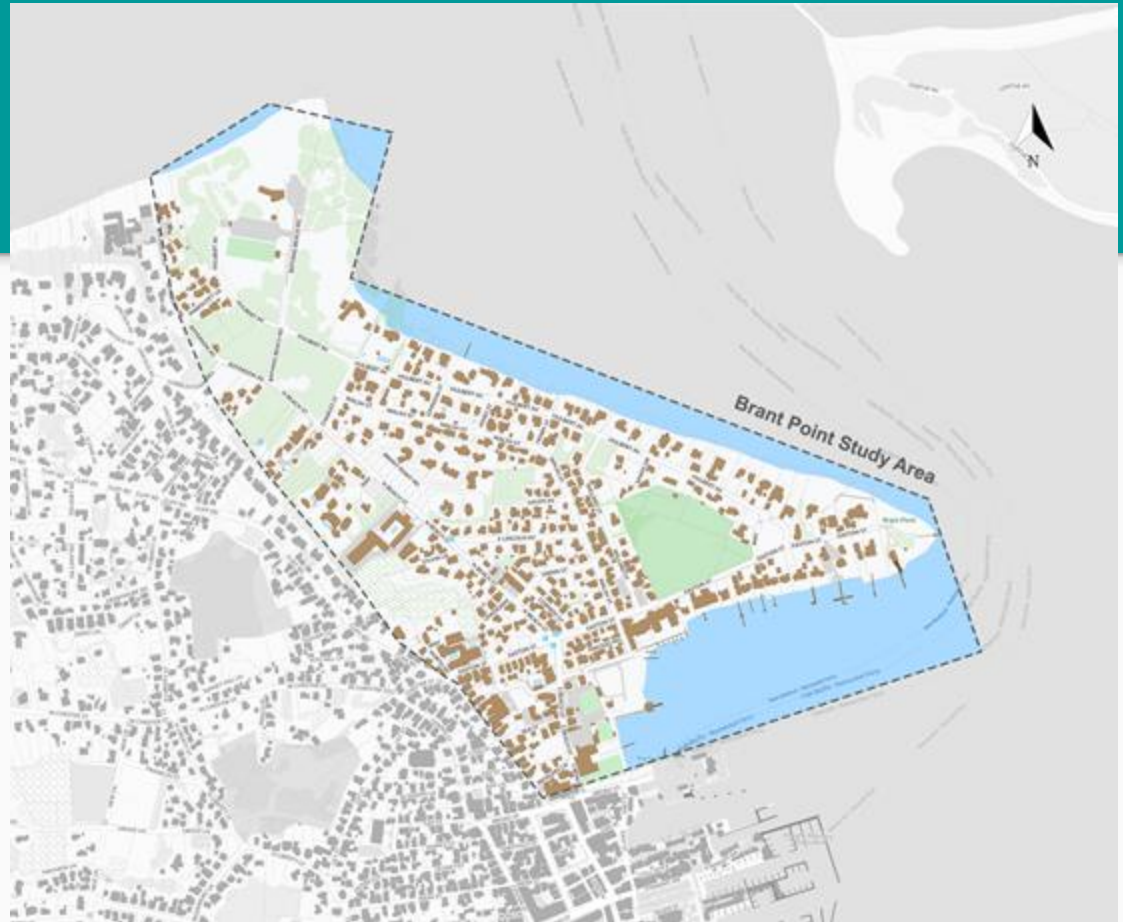
2021 Design Studio

- Iterative, design-driven approach focuses on three study areas.
- Teams tasked to create visually impactful designs that will enable coastal communities to actually imagine what our futures under sea level rise and climate impacts may look like.
- The teams have been working with 24 local and regional advisors.



Study Area 1

Brant Point
Study Area



Study Area 1

Brant Point
Study Area



Study Area 2

Historic Downtown
Study Area



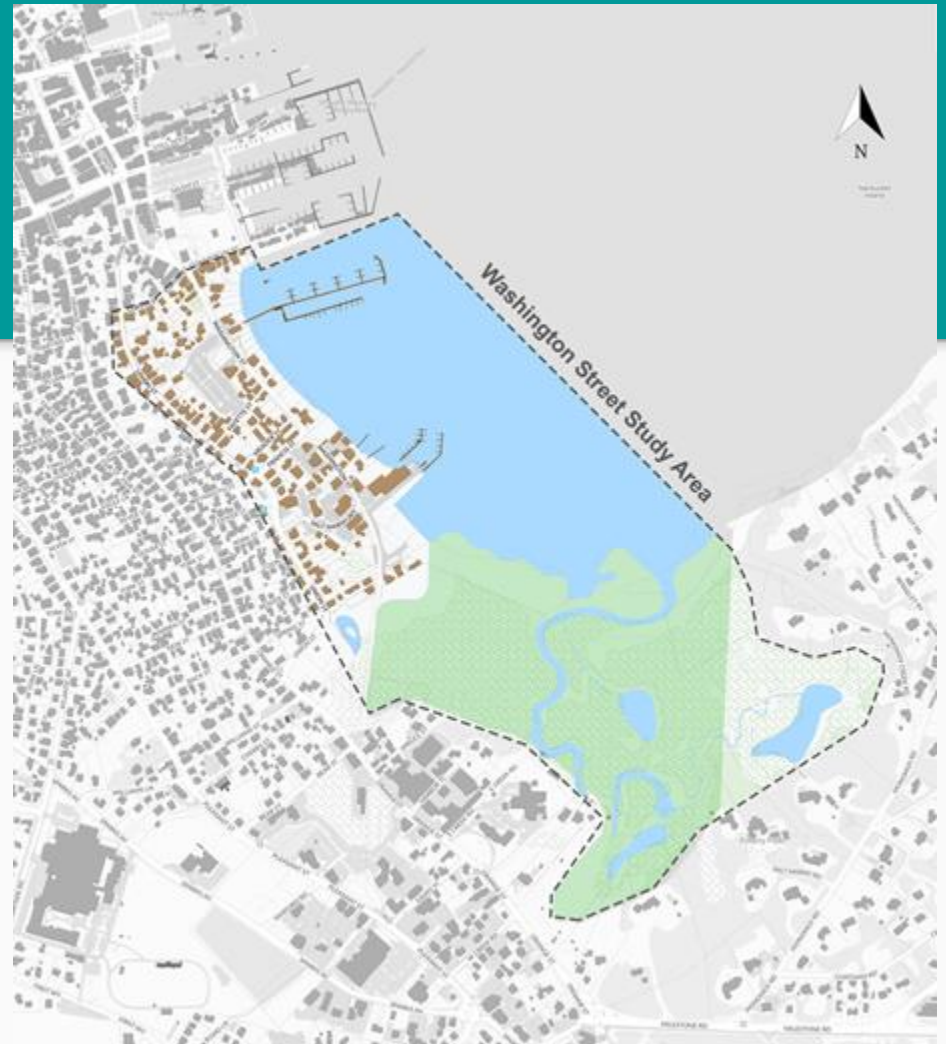
Study Area 2

Historic Downtown
Study Area



Study Area 3

Washington
Street and The
Creeks Study Area



Study Area 3

Washington
Street and The
Creeks Study Area



2021 Design Studio

Adaptive design strategies to include:

- Approach to the challenge
- Individual components (building scale) as well as an overall plan for a given study area
- Plans at different time scales 2030, 2060, 2100
- How their designs/adaptations fit into a broader community vision
- Collective opportunities that their designs will provide

Address the following considerations:

1. History and Development
2. Context Analysis
3. Policies and Regulations
4. Residents/Community Values
5. Vulnerability assessment
6. Benchmarks
8. Implementation

2021 Design Studio

- Collaborative model
- These designs will be conceptual and will showcase principles and pathways, rather than produce project lists or prescriptive solutions
- Internal Jury Review April 29



Envision Resilience Nantucket Public Presentation

June 2, 2021

2:00-5:00 p.m. ET

Great Harbor Yacht Club

Streaming Virtually

Envision Resilience Exhibition

Thomas Macy
Warehouse

Opening June 2021



www.envisionresilience.org
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