



MEETING POSTING

TOWN OF NANTUCKET

Pursuant to MGL Chapter 30A, § 18-25

All meeting **notices and agenda** must be filed and time stamped with the Town Clerk's Office and posted at least 48 hours prior to the meeting (excluding Saturdays, Sundays and Holidays)

RECEIVED

2021 JAN 19 PM 03:59
NANTUCKET TOWN CLERK
Posting Number: T 058

Committee/Board/s	Coastal Resilience Advisory Committee
Day, Date, and Time	Tuesday January 26 from 10am
Location / Address	□ REMOTE PARTICIPATION VIA ZOOM See below. Pursuant to Governor Baker's March 12, 2020 Order Regarding Open Meeting Law (Attached); the meeting will be aired at a later time on the Town's Government TV YouTube Channel https://www.youtube.com/channel/UC-sgxA1fdoxteLNzRAUHIxA
Signature of Chair or Authorized Person	Mary Longacre, Chair Vincent Murphy, Coastal Resilience Coordinator
WARNING:	IF THERE IS NO QUORUM OF MEMBERS PRESENT, OR IF MEETING POSTING IS NOT IN COMPLIANCE WITH THE OML STATUTE, NO MEETING MAY BE HELD!

Coastal Resilience Advisory Committee

Agenda for Tuesday January 26, 2021 at 10am

A. Convene in Open Session via Zoom

Join Zoom Meeting

<https://zoom.us/j/95322485237?pwd=ZFNzb2pPWHBQZjVrd0praWFtdURDQT09>

Meeting ID: 953 2248 5237

Passcode: 609909

1. Call to Order

2. Meeting announcements

- Script for remotely conducting Open Meetings, read by the Chair
- The meeting is being audio / visually recorded

3. **Coastal Resilience Plan** Virtual Open House event, January 28 from 5.30pm to 8pm via Zoom.
 - a. Register for Open House <https://nantucketcoastalresilienceopenhouse.eventbrite.com/>
4. Other Event Announcements related to Coastal Resilience (If CRAC members are planning to attend any of the live events, please inform Vince so that he can track whether we'll need to post the event as a CRAC meeting due to a quorum of attendees)
 - a. **Envision Resilience Nantucket Challenge**, sponsored by ReMain Nantucket, is conducting an online survey asking "How do you envision learning to live with water?" January 11-25, 2021 at <https://www.surveymonkey.com/r/ZM77KXG>
 - b. **Nantucket Civic League** is hosting a forum February 6th titled "MANAGING WATER AS SEA LEVELS RISE". Vince Murphy will be speaking on the Coastal Resilience Plan. Details will be posted at <http://nantucketcivicleague.com/managingwater.html>
 - c. **Resilient Nantucket: Designs for Adaptation** will present the Resilience Toolkit in a public forum April 23 & 24. (Registration for the presentation is not yet open.) In addition, meetings with the HDC to review and revise the Toolkit will be held in February & March. The Toolkit will incorporate information on flooding adaptation strategies for private property owners in the Nantucket National Historical Landmark District.
 - d. **ACKclimate** maintains an event calendar at <https://www.ackclimate.org/events/>
5. Approval of minutes from January 12th. The recording of the meeting is available on the Town's YouTube channel at https://www.youtube.com/playlist?list=PL49sKqpy7VAiUk-g5h2jIuAn_2jqocI2L
6. Review ACKclimate partner agreement. See Affirmation below in **Appendix 1**.
7. Review of the Homeowners Brochure as created by the Education Sub-committee.
8. Continuation from January 12th – Arcadis discussion of engagement planning framework and evaluation criteria for the Coastal Resilience Plan. See **Appendix 2** draft and likely begin from Slide 24.
9. Public comment
10. Committee reports (Planning Board, Conservation Commission, Harbor and Shellfish Advisory Board,

Select Board, Advisory Committee of Non-Voting Tax Payers, other committee members)

11. Motion to adjourn



OFFICE OF THE GOVERNOR
COMMONWEALTH OF MASSACHUSETTS
STATE HOUSE • BOSTON, MA 02133
(617) 725-4000

CHARLES D. BAKER
GOVERNOR

KARYN E. POLITO
LIEUTENANT GOVERNOR

**ORDER SUSPENDING CERTAIN PROVISIONS
OF THE OPEN MEETING LAW, G. L. c. 30A, § 20**

WHEREAS, on March 10, 2020, I, Charles D. Baker, Governor of the Commonwealth of Massachusetts, acting pursuant to the powers provided by Chapter 639 of the Acts of 1950 and Section 2A of Chapter 17 of the General Laws, declared that there now exists in the Commonwealth of Massachusetts a state of emergency due to the outbreak of the 2019 novel Coronavirus ("COVID-19"); and

WHEREAS, many important functions of State and Local Government are executed by "public bodies," as that term is defined in G. L. c. 30A, § 18, in meetings that are open to the public, consistent with the requirements of law and sound public policy and in order to ensure active public engagement with, contribution to, and oversight of the functions of government; and

WHEREAS, both the Federal Centers for Disease Control and Prevention ("CDC") and the Massachusetts Department of Public Health ("DPH") have advised residents to take extra measures to put distance between themselves and other people to further reduce the risk of being exposed to COVID-19. Additionally, the CDC and DPH have advised high-risk individuals, including people over the age of 60, anyone with underlying health conditions or a weakened immune system, and pregnant women, to avoid large gatherings.

WHEREAS, sections 7, 8, and 8A of Chapter 639 of the Acts of 1950 authorize the Governor, during the effective period of a declared emergency, to exercise authority over public assemblages as necessary to protect the health and safety of persons; and

WHEREAS, low-cost telephone, social media, and other internet-based technologies are currently available that will permit the convening of a public body through virtual means and allow real-time public access to the activities of the public body; and

WHEREAS section 20 of chapter 30A and implementing regulations issued by the Attorney General currently authorize remote participation by members of a public body, subject to certain limitations;

NOW THEREFORE, I hereby order the following:

(1) A public body, as defined in section 18 of chapter 30A of the General Laws, is hereby relieved from the requirement of section 20 of chapter 30A that it conduct its meetings in a public place that is open and physically accessible to the public, provided that the public body makes provision to ensure public access to the deliberations of the public body for interested members of the public through adequate, alternative means.

Adequate, alternative means of public access shall mean measures that provide transparency and permit timely and effective public access to the deliberations of the public body. Such means may include, without limitation, providing public access through telephone, internet, or satellite enabled audio or video conferencing or any other technology that enables the public to clearly follow the proceedings of the public body while those activities are occurring. Where allowance for active, real-time participation by members of the public is a specific requirement of a general or special law or regulation, or a local ordinance or by-law, pursuant to which the proceeding is conducted, any alternative means of public access must provide for such participation.

A municipal public body that for reasons of economic hardship and despite best efforts is unable to provide alternative means of public access that will enable the public to follow the proceedings of the municipal public body as those activities are occurring in real time may instead post on its municipal website a full and complete transcript, recording, or other comprehensive record of the proceedings as soon as practicable upon conclusion of the proceedings. This paragraph shall not apply to proceedings that are conducted pursuant to a general or special law or regulation, or a local ordinance or by-law, that requires allowance for active participation by members of the public.

A public body must offer its selected alternative means of access to its proceedings without subscription, toll, or similar charge to the public.

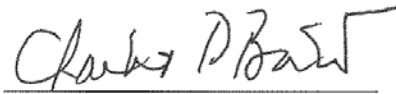
(2) Public bodies are hereby authorized to allow remote participation by all members in any meeting of the public body. The requirement that a quorum of the body and the chair be physically present at a specified meeting location, as provided in G. L. c. 30A, § 20(d) and in 940 CMR 29.10(4)(b), is hereby suspended.

(3) A public body that elects to conduct its proceedings under the relief provided in sections (1) or (2) above shall ensure that any party entitled or required to appear before it shall be able to do so through remote means, as if the party were a member of the public body and participating remotely as provided in section (2).

(4) All other provisions of sections 18 to 25 of chapter 30A and the Attorney General's implementing regulations shall otherwise remain unchanged and fully applicable to the activities of public bodies.

This Order is effective immediately and shall remain in effect until rescinded or until the State of Emergency is terminated, whichever happens first.

Given in Boston at 5:40 PM this 12th day of
March, two thousand and twenty.

A handwritten signature in dark ink, appearing to read "Charles D. Baker", written over a horizontal line.

CHARLES D. BAKER
GOVERNOR
Commonwealth of Massachusetts

Appendix 1

ACKclimate Nantucket

Partner Affirmation

We, the Partners of ACKclimate Nantucket, hereby confirm our commitment to not only the conservation and preservation of the Island, but also to the sustainability, culture, and people which inhabit Nantucket by:

- ◆ Believing that climate change does pose a threat to not only ourselves and our interests, but to everyone that inhabits Nantucket Island, the State of Massachusetts, the United States of America, and worldwide;
- ◆ Seeking to expand collaboration and cooperation in areas included in the climate change umbrella;
- ◆ Believing that education, advocacy, and holistic approaches are an effective way to face this challenge and are prepared to work with groups on the Island and abroad;
- ◆ Supporting all communities of Nantucket and their needs through promoting the values of accessibility, equity, justice, and diversity;
- ◆ Promoting scientific findings on the island and supporting productive conversations of research;
- ◆ Providing welcoming spaces for those who wish to learn to do so, and to not close the door on an opportunity to educate;
- ◆ And, understanding that while we may not have all the answers, nor can we do everything, we must do what can be done to the best of our abilities.

I am pleased to confirm that _____ supports the vision outlined in the ACKclimate Partner Affirmation. With this communication, we hereby sign the Partner Affirmation and join ACKclimate Nantucket as a Partner in order to work collaboratively with our peers and community on the dreams and visions of resilience and sustainability.

ACKclimate is authorized to list _____ among the Partners of ACKclimate and our organization will endeavor to communicate and highlight progress.

Signature _____ Place _____ Date _____

Please send the signed Partner Affirmation to ACKclimate Nantucket's Coordinator at:

kimberlyrose@ufl.edu



Appendix 2



WHAT WE'LL COVER TODAY

Meeting Objectives

- Provide an update on community engagement progress and themes
- Co-develop approach and outreach strategy for public workshop on January 28th
- Discuss preliminary evaluation criteria for coastal resilience solution development
- Provide an update on project progress since November

Agenda

- Meeting Objectives & Team Introductions
- Community Engagement Update (slides not included here)
- Engagement Planning Workshop
- Evaluation Criteria Workshop
- Project Update (slides not included here)
- Questions & Discussion

PROJECT PRINCIPLES

- Honoring **community heritage and identity** through adaptation
- Addressing resilience at **multiple scales**
- **Inclusive and responsive** stakeholder engagement
- Bringing a commitment to **implementation**

© Arcadis 2020

4 January 2021

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PROJECT MISSION STATEMENT

Nantucket Coastal Resilience Plan



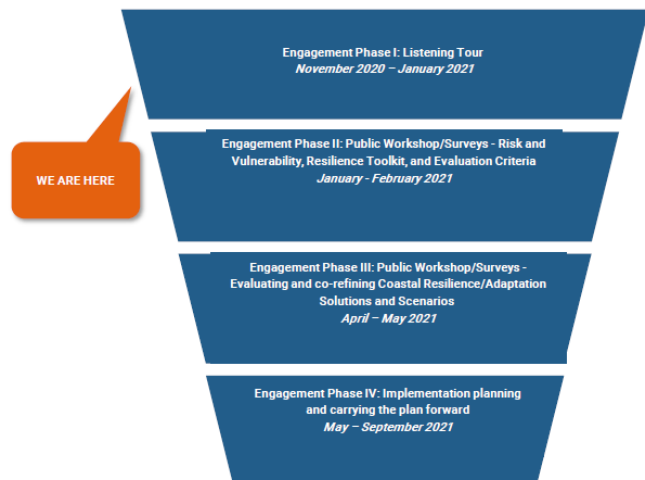
The Coastal Resilience Plan draws on the cherished built and natural heritage of Nantucket to create a community-supported roadmap to implementation for a series of layered flood control and adaptation approaches that lessen the loss from storm surges and help the community adapt to rising seas and eroding coastlines. In coordination with other ongoing adaptation and sustainability initiatives, the plan addresses the whole island and county while respecting the unique characteristics of each neighborhood. Driven by the inclusive and equitable engagement of all, the plan aspires to create social, environmental, and economic benefits and value to everyone who will share in Nantucket's future.

COMMUNITY ENGAGEMENT UPDATE

ENGAGEMENT PHASE 1

LISTENING TOUR WITH KEY STAKEHOLDERS

- ACKlimate Nantucket
- Coastal Resilience Advisory Committee
- Conservation Commission
- Department of Public Works
- Emergency Management
- Harbor Master's Office
- Historic District Commission
- Nantucket Civic League
- Nantucket Coastal Conservancy
- Nantucket Conservation Foundation
- Nantucket Island Chamber of Commerce
- Nantucket Land Bank
- Nantucket Land Council
- Natural Resources Department
- Planning and Land Use Services
- Planning Board
- Select Board

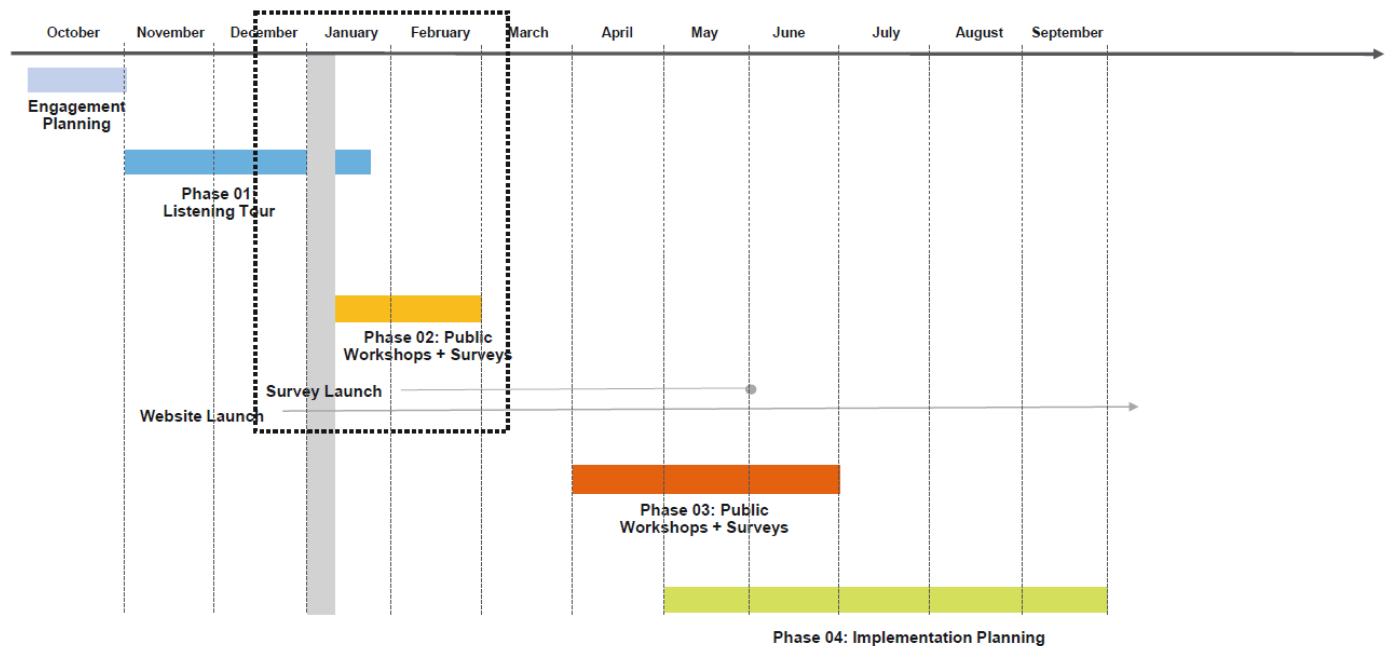


LISTENING TOUR GOALS

- Identify key questions that require deeper understanding through ongoing engagement
- Collect need-to-know information on risks and vulnerabilities
- Understand what is important to the community
- Build consensus on the goals of the CRP
- Create lasting relationships with key groups
- Identify project champions

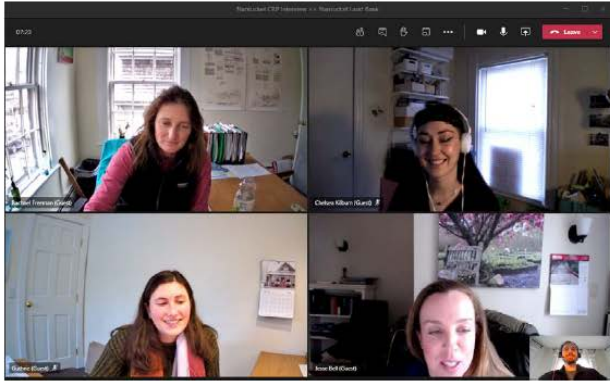


ENGAGEMENT SCHEDULE

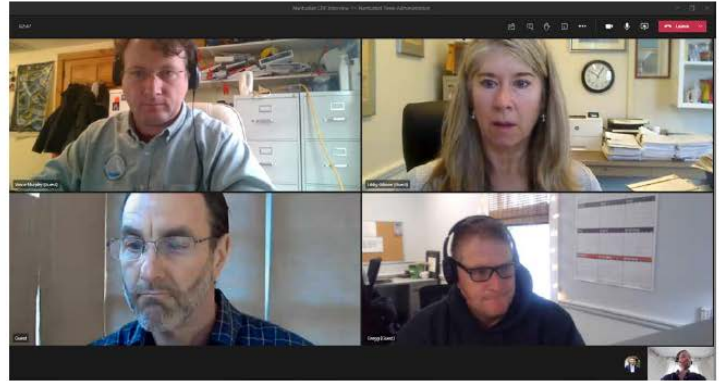


ENGAGEMENT TOOLS AND MECHANISMS

Virtual Meetings



Virtual meeting with the Nantucket Land Bank



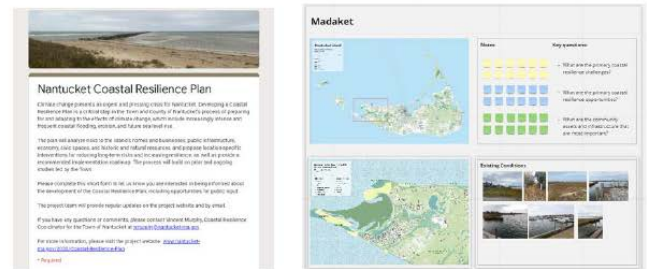
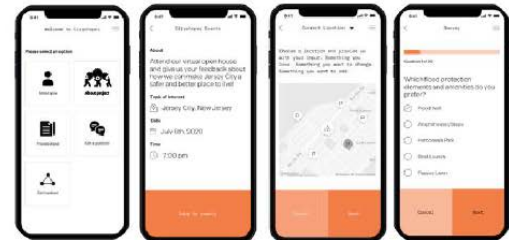
Virtual meeting with the Town Manager and staff

ENGAGEMENT TOOLS AND MECHANISMS

Online Engagement



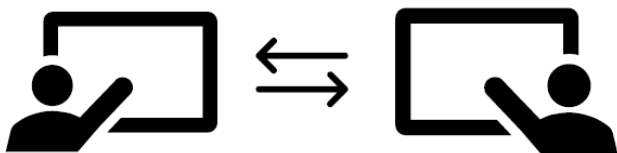
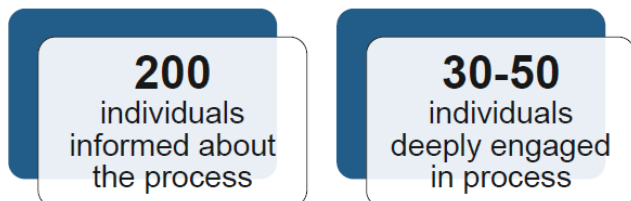
Town website



Mapping + surveying

BY THE NUMBERS

Phase 1 Engagement Goals:



Progress to date:

- Detailed project briefings and interviews with **50+** staff and community members across **18** departments, boards, commissions, and organizations
- Launch of **website** and contact information collection form
- Presentations at four public meetings, with a total of **100+** attendees
- Email blast to **75+** community stakeholder groups

04 January 2021

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EXAMPLE QUESTIONS WE ARE ASKING

- What is your understanding of coastal risk on Nantucket?
- What are your current plans to address risks?
- What is your willingness to leverage resources and cooperate with other entities to mitigate risk?
- Are there current policies, regulations, or programs that either could help lessen risk or that exacerbate it?
- What solutions are off the table for you?
- Do you have thoughts about any obstacles to success?
- What assistance, expertise, observations or other help can you offer in the development of the CRP?



KEY THEMES AND MESSAGES

Risks

- Sea Level Rise
- Erosion
- Flooding
- Critical infrastructure impacts
- Emergency access and supply lines

Environment

- Nature-based solutions
- Ecological impacts
- Protect natural resources
- Integrate sustainability/mitigation

Community

- Nantucket's natural, historic, and aesthetic character
- Educate property owners about causes and potential solutions
- Comprehensive engagement

Coordination

- Adaptable and actionable planning
- Regulation and zoning changes
- Policy consistency toward common goals
- Inter-departmental coordination
- Integration between plans/planned projects

ENGAGEMENT PLANNING EXERCISE

Dear CRAC Members,

We look forward to our upcoming meeting on Tuesday, January 12, 2021. In advance of the meeting, please review the following slides. We will walk through slides and exercises together during the meeting, but please give some thoughts to the questions and prompts before the meeting so that our conversation can be as productive as possible. For your convenience, questions for you to consider are *italicized* throughout. Please do not hesitate to reach to us if you have any questions.

Vincent Murphy
vmurphy@nantucket-ma.gov

Trevor Johnson
trevor.johnson@arcadis.com



PHASE 2 ENGAGEMENT

COMMUNITY WIDE AWARENESS AND VISIONING

Key objectives

- Generate broad awareness on and off island of the planning process
- Discuss the long-term vision for Nantucket
- Introduce risk and resilience concepts
- Generate shared understanding of risks and resilience toolkit
- Prioritize evaluation criteria
- Ensure community knows how to stay informed and involved

Key questions for participants

- Where / how do you currently experience flooding and erosion?
- What other issues do you see in your community?
- What changes do you want to see for yourself and future generations?
- What elements of the community do you want to preserve and maintain?
- How can we make participating in this process easiest and most valuable for you?
- Do these evaluation criteria reflect your priorities?
- Let's talk about how your current and future relationship with water might change and what you want to see
- Do our findings reflect your experience?

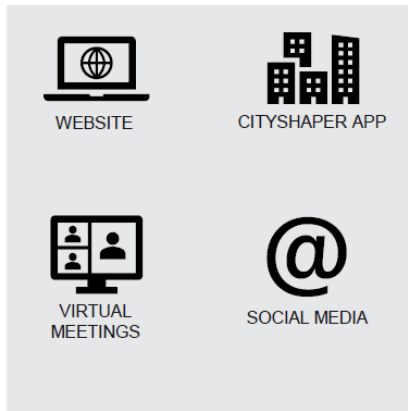
Key Challenges

- How to make sure we are reaching underserved members of the communities, those who have not participated in previous planning efforts
- How to ensure a mutually valuable experience for all participants
- How to make the information accessible and relatable
- How to balance the needs of local experts with those who are eager to learn

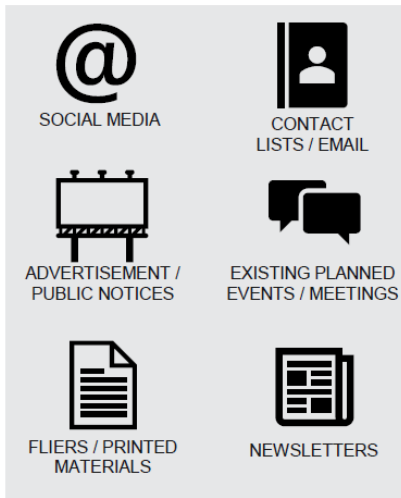


REMINDER ON ENGAGEMENT TOOLS AND MECHANISMS

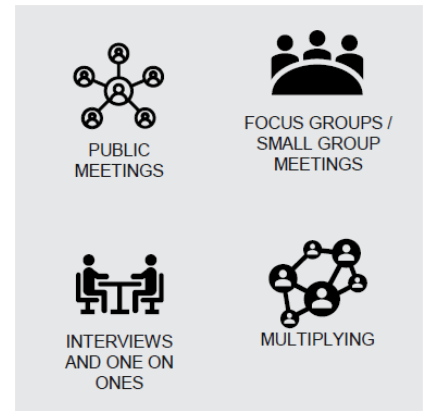
The key is that gaining meaningful input in a virtual setting requires using multiple strategies and different tools at different times



VIRTUAL TOOLS



MAGNIFYING OUTREACH AND COMMUNICATIONS



DIRECT ENGAGEMENT

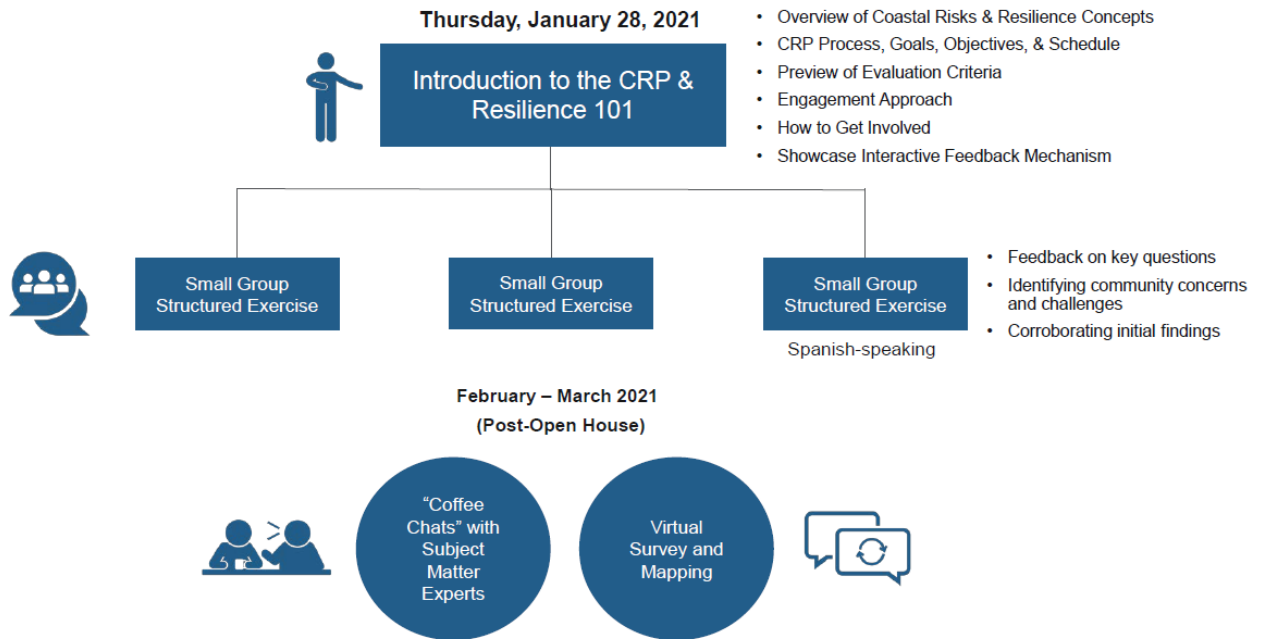


PHASE 2 ACTIVITIES

Provisionally Planned Activities:



PUBLIC OPEN HOUSE #1



CITYSHAPER APP



More information on this during the CRAC meeting on 1/12!

ENGAGEMENT PLANNING CONSIDERATIONS

- Now, more than ever, we need to be mindful of people's time and competing priorities. Engagement must be easy and convenient and be clearly relevant to people's daily lives.
- How do we reach residents lacking internet and smart phone access
- We will all have to work together to conduct outreach and ensure we are reaching all relevant organizations
- Language barriers, particularly for Spanish-speaking population
- A diverse blend of paper, digital, and direct communications is likely to be most effective
- Reconciling priorities of different stakeholders (e.g., elected officials, non-profits, general public, expert vs non-expert)

Please think about other important considerations for our next phase engagement and how we might address them



WITH SO MANY COMPETING PRIORITIES RIGHT NOW, HOW CAN THE PROCESS OF PARTICIPATING BE VALUABLE?

See ideas made reality (maybe short-term successes?)	Build connections with others that can be beneficial in the future	Build greater connectivity and social cohesion	Influence decisions that change the built environment	Connect with organizations doing work in your community
Sense of satisfaction from helping to safeguard people and property in your community	Help the community build skills and capacity that they specifically ask for from the process			

What else should we consider?



GROUP ACTIVITY FOR DISCUSSION

This exercise is intended to help us refine how we will reach a broad audience, particularly underserved populations, those who have not been proactively invited to participate in previous planning on Nantucket

Framing Questions

- *Who, specifically, do we need to engage? (we will confirm / refine our list to understand any gaps)*
 - *Socially vulnerable populations*
 - *Ambassadors / partners*
- *How will we engage them (let's confirm / refine and discuss)?*
 - *What do these stakeholders need from us to participate?*
 - *How might we most effectively engage with them?*
 - *WHO is going to be their main POC from the CRAC, Town, and Consultant team?*

See the next slide for a worksheet we will discuss and fill out together



Please review this table and think about the needs of different stakeholders and how we can work together to meaningfully engage them

ENGAGEMENT PLANNING FRAMEWORK

PARTNER / STAKEHOLDER	WHAT DO THEY NEED FROM US TO PARTICIPATE?	HOW MIGHT WE MOST EFFECTIVELY ENGAGE THEM?	WHICH PARTNERS MIGHT HELP US ENGAGE THEM?	WHO SHOULD BE AMBASSADOR / POC?
Spanish speaking residents and visitors	• Materials and activities in Spanish • Understand the value of participating	• Connect and partner with community institutions	• St. Mary, Our Lady of the Isle Catholic Church • Town Outreach Specialist • Diversity, Equity and Inclusion Office	• Let's fill how this column together!
Bulgarian speaking residents and visitors	• Materials and activities in Bulgarian • Understand the value of participating	• Connect and partner with community institutions	• Bulgarian Education Center • First Congregational Church • Town Outreach Specialist • Diversity, Equity and Inclusion Office	
Seasonal residents (who live off island a portion of the year)	• Digital engagement materials and activities	• Social media • Newsletters	• Nantucket Advisory Committee of Non-Voting Taxpayers • Nantucket Community Association	
Small business owners	• Digital engagement materials and activities • Understand the value of participating	• Social media/TV • Newsletters • Fliers	• Nantucket Chamber of Commerce • Nantucket Downtown Business Association	
Employees/workers who live off island	• Digital engagement materials and activities • Understand the value of participating	• Connect with targeted employers • Flyers	• Nantucket Chamber of Commerce • Town Outreach Specialist	
Students	• Digital engagement materials and activities • Understand their role in shaping Nantucket's future	• Connect and partner with schools and educational institutions • Provide materials to educators • Social media	• Nantucket Public Schools • Work with ACKimate	
Local Artists	• Digital engagement materials and activities • Understand the value of participating	• Connect and partner with arts & cultural institutions and organizations, including performing arts centers • Provide opportunities for creative collaboration in outreach and visioning • Social media	• Nantucket Arts Council • Artists Association of Nantucket • Nantucket Music Center	
Neighborhood associations	• Content for distribution • Meeting in a box • Partner workshop	• Meetings as part of group with other community organizations • Maintain active, ongoing dialogue	• Nantucket Town Association • Nantucket Community Association • Nantucket Civic League	
Families	• Digital engagement materials and activities	• Connect and partner with community institutions and resident's associations	• Nantucket Town Association • Nantucket Community Association • Family Resource Center • Town Outreach Specialist • Diversity, Equity and Inclusion Office	



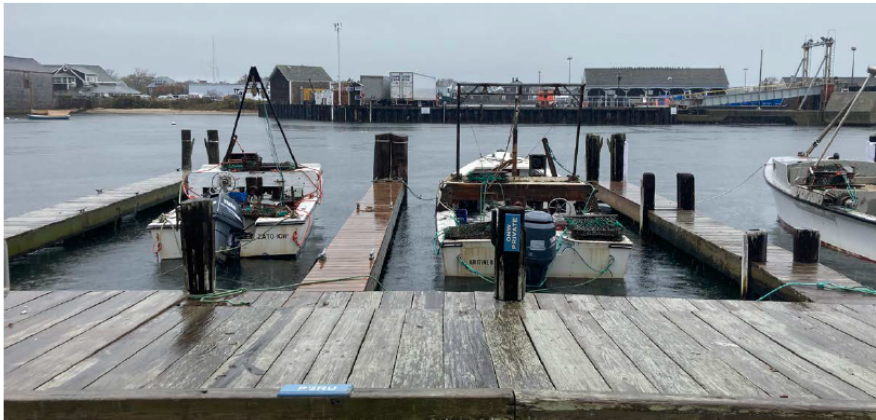
ENGAGEMENT PLANNING FRAMEWORK

PARTNER / STAKEHOLDER	WHAT DO THEY NEED FROM US TO PARTICIPATE?	HOW MIGHT WE MOST EFFECTIVELY ENGAGE THEM?	WHICH PARTNERS MIGHT HELP US ENGAGE THEM?	WHO SHOULD BE AMBASSADOR / POC?

Evaluation Criteria

WHAT ARE EVALUATION CRITERIA?

Evaluation criteria describe the range of priorities a community may have related to how coastal resilience is achieved. Community members will be asked to define and rank criteria to help us tailor solutions that align with community priorities

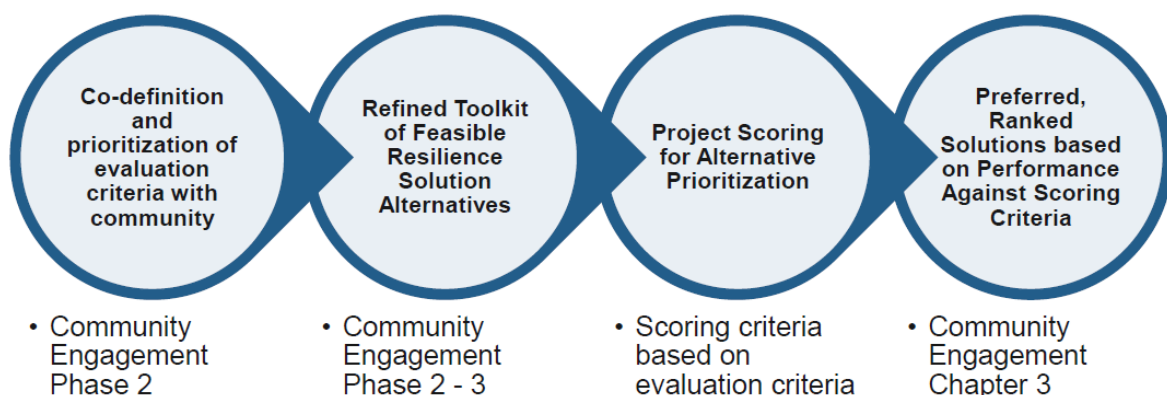


Straight Wharf



Evaluation Categories
Effectiveness
Implementation Feasibility
Design Life / Adaptability
Ecological and Public Health
Equity and Quality of Life
Value Creation

HOW EVALUATION CRITERIA FACTOR INTO PROJECT DEVELOPMENT



STAPLEE & EVALUATION CRITERIA

Action or Strategy #	Table 11-1: Mitigation Actions and Strategies for Nantucket	Status	Responsible Department	Fiscal Year		Cost	Potential Funding Source	Weighted STAPLEE Criteria																Total STAPLEE Score
				2020	2021			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
101	Review the Nantucket Building Department's fully adopted code, the 2018 Building Code, to ensure compliance with the latest and applicable building codes, to address, make the code more stringent, and to address any gaps in the code.	New	Building	2020	2021	Low	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
102	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
103	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
104	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
105	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
106	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
107	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
108	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
109	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0
110	Develop and implement a plan to ensure that all new buildings are constructed to be resilient to sea level rise, including the use of elevated foundations, flood-resistant materials, and other measures to protect buildings from flooding.	New	DR	2020	2021	Medium	DR	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5.0

STAPLEE scoring from Nantucket Hazard Mitigation Plan

STAPLEE stands for Social, Technical, Administrative, Political, Legal, Economic, and Environmental

STAPLEE provides one approach for establishing evaluation criteria and ranking projects based on how the community prioritizes different criteria

This approach can be adapted to establish tailored criteria for a specific community, such as Nantucket



Evaluation criteria established for Coastal Resilience Solutions for Downtown and North End (City of Boston)

LET'S THINK ABOUT THE DRAFT EVALUATION CRITERIA TOGETHER

Our Goal:

Refine the draft evaluation criteria to make sure they capture the full ranges of considerations for assessing different resilience solution alternatives before working with the community at large to answer the question:

What is most important to you?



SUMMARY OF DRAFT EVALUATION CRITERIA

Category (6)	Effectiveness	Implementation Feasibility	Design Life / Adaptability	Ecological and Public Health	Equity and Quality of Life	Value Creation
Criteria (43)	Level of coastal flood protection	Community buy-in	Horizon of protection (today, 2050, 2070, 2100)	Water and air quality benefits	Recreational benefits	Potential for improve public realm
	Reduction in flood extent and depth	Political support	Adaptability	Habitat creation and protection	Protection of historic and cultural assets	Potential to catalyze funding and investment
	Avoided damage and disruption to community	Constructability		Public health benefits	Access to the water	Potential to protect tourism industry
	Reduction in flood/erosion risk residences	Permittable		Ecological adaptability	Education and community development	Potential to increase property values
	Reduction in flood/erosion risk to businesses	Fundable		Alignment with natural systems	Opportunity for public art	Potential to protect / enhance local tax revenues
	Reduction in flood/erosion risk to transportation network	Cost effective			Community assets (affordable housing, community centers, etc)	Potential to leverage partnerships
	Protection of critical assets	Time to enjoyment			Increased community involvement	Potential to create jobs
	Protection of National Historic Landmark status	Phase-ability				
	Ability to recover more quickly	Operations and maintenance				
	Multiple lines of protection	Replicability				
		Sustainability cobenefits				
		Consistent with Design Standards				

EFFECTIVENESS

Description: Captures priorities related to a solution alternative's effectiveness in addressing coastal risks to homes, businesses, critical facilities, and infrastructure

Questions to consider:

- What's missing here?
- Any changes to the language?
- What do think is most important?

Criterion	STAPLEE Category
Level of coastal flood protection	Technical
Reduction in flood extent and depth	Technical
Avoided damage and disruption to community	Technical
Reduction in flood risk residences	Technical
Reduction in flood risk to businesses	Economic
Reduction in flood risk to transportation network	Technical
Protection of critical assets	Technical
Protection of National Historic Landmark status	Legal
Ability to recover more quickly	Technical / Economic
Multiple lines of protection	Technical

Notes:

IMPLEMENTATION FEASIBILITY

Description: Captures priorities related to a solution alternative's feasibility given technical, regulatory, funding, community support, and operations and maintenance considerations

Questions to consider:

- *What's missing here?*
- *Any changes to the language?*
- *What do think is most important?*

Criterion	STAPLEE Category
Community buy-in	Political
Political support	Political
Constructability	Technical
Permittable	Technical
Fundable	Economic
Cost effective	Economic
Time to enjoyment	Technical
Phase-ability	Technical
Operations and maintenance	Administrative
Replicability	Technical
Sustainability cobenefits	Environmental / Economic
Consistent with Design Standards	Legal

Notes:

DESIGN LIFE / ADAPTABILITY

Description: Captures priorities related to a solution alternative's effectiveness in providing risk reduction over a long-term horizon or is adaptable over time to address increasing risk

Questions to consider:

- *What's missing here?*
- *Any changes to the language?*
- *What do think is most important?*

Criterion	STAPLEE Category
Horizon of protection (today, 2050, 2070, 2100)	Technical
Adaptability	Technical

Notes:

ECOLOGICAL AND PUBLIC HEALTH

Description: Captures priorities related to a solution alternative's impacts to the health of natural and human communities over time

Criterion	STAPLEE Category
Water and air quality benefits	Environmental
Habitat creation and protection	Environmental
Public health benefits	Social
Ecological adaptability	Environmental
Alignment with natural systems	Environmental

Questions to consider:

- *What's missing here?*
- *Any changes to the language?*
- *What do think is most important?*

Notes:

EQUITY AND QUALITY OF LIFE

Description: Captures priorities related to a solution alternative's potential for improving quality of life and protecting community heritage and assets

Criterion	STAPLEE Category
Recreational benefits	Social
Protection of historic and cultural assets	Environmental
Access to the water	Social
Education and community development	Social
Opportunity for public art	Social
Community assets (affordable housing, community centers, etc)	Social
Increased community involvement	Social

Questions to consider:

- *What's missing here?*
- *Any changes to the language?*
- *What do think is most important?*

Notes:

VALUE CREATION

Description: Captures priorities related to a solution alternative's potential for generating new opportunities and economic value for the community

Questions to consider:

- *What's missing here?*
- *Any changes to the language?*
- *What do think is most important?*

Criterion	STAPLEE Category
Potential for improve public realm	Environmental
Potential to catalyze funding and invesment	Economic
Potential to protect tourism industry	Economic
Potential to increase property values	Economic
Potential to protect / enhance local tax revenues	Economic
Potential to leverage partnerships	Economic
Potential to create jobs	Economic

Notes:

PROJECT STATUS UPDATE

