

#### NANTUCKET TOWN ASSOCIATION MEETING

October 26, 2021, at 4:00 pm Meeting held by Zoom conferencing

## DRAFT MINUTES FOR REVIEW AND APPROVAL

Attendance (Participants as noted by Zoom): Trish Bridier, Mary Anne Easley, Mary Longacre, Craig Muhlhauser, Gail Norton, Lee Saperstein, Bill Seay, Anne Terry, Henry Terry, Barbara von der Groeben, and Paula Williams.

Thanks to the Atheneum, Amy Jenness, for hosting the meeting. which was recorded and the link (good for 30 days) is included here:

Meeting Recording: <a href="https://us02web.zoom.us/rec/share/-09kzCvOzUwZYIXbXkAfC4\_nl5RpP8UvHbgPZHmqkpVyDVX9B1pdXVnqJHdeu10D.UrBdPdqNN9lahtkx">https://us02web.zoom.us/rec/share/-09kzCvOzUwZYIXbXkAfC4\_nl5RpP8UvHbgPZHmqkpVyDVX9B1pdXVnqJHdeu10D.UrBdPdqNN9lahtkx</a>

Access Passcode: 7pj2zs==

Guest: Vince Murphy, Coastal Resilience Coordinator, Department of Natural Resources, vmurphy@nantucket-ma.gov.

## I. Call the October 26, 2021, Nantucket Town Association Meeting to Order.

President Henry Terry called the meeting to order at 4:02 pm. He announced that the meeting is being recorded and those who could not attend are welcome to use the above link to watch the recording. He also announced that, to avoid conflicts with the Open Meeting Law, there would be no discussion of the Nantucket Town small area plan because members of that working group are in attendance at today's meeting and no agenda for it has been posted.

# II. Approval of minutes of the Meeting of September 28, 2021.

Henry Terry asked for approval of the minutes of the meeting of September 28, 2021. Anne Terry moved approval, Trish Bridier seconded, and the vote to approve was unanimous. Lee Saperstein reminded association members that the minutes were distributed monthly by Mary

Anne Easley and Alexandra LaPaglia, who get little recognition for their work and he wished to thank them publicly.

## III. Treasurer's Report.

Anne Terry, Treasurer, gave the Treasurer's report, attached, for which there had been no changes from the month before, leaving an end balance of \$3654.86. A motion to approve was made by Paula Williams, seconded by Trish Bridier, and approved unanimously.

## IV. Old Business.

There was no old business.

### V. New Business

Responding to a request for new business, Bill Seay reminded the group that The Brotherhood's new owners have put in a Planning Board application for a substantial enlargement of their outdoor serving and entertainment area to accommodate a mini-Cisco Brewery and that there is opposition to this plan from the backyard neighbors on Ash Street and the Nantucket Island Land Bank, whose office is across Broad Street from the restaurant. A public hearing was held by the Planning Board on October 25, 2021, which will be continued to November 15, 2021. Anne Terry, Gay Street, added that she had already submitted written opposition to the plan. Bill Seay then added another concern, namely an application for a substantial expansion of the restaurant at 29 Fair Street (ex-Woodbox), to which there will be local opposition. This planning application is also scheduled for a public hearing at the 4 pm, November 15<sup>th</sup>, meeting of the Planning Board. The opposing group of neighbors have already met with the Historic District Commission to ask for revisions to the proposed plan.

# VI. Guest Presentation: Vince Murphy, Nantucket Coastal Resilience Coordinator, Department of Natural Resources

Henry Terry introduced Vince Murphy, Coastal Resilience Coordinator, for a presentation on the Nantucket Coastal Resilience Plan and its implications for the association's area, namely the downtown and surrounding land. After the presentation there will be time for questions. Vince Murphy said that he will be using a number of PowerPoint slides, which he will go through quickly so that there will be time for the questions. The file for the slides is appended to these minutes; if there is a problem in reading them, go to the report itself. Vince Murphy's address is <a href="mailto:vmurphy@nantucket-ma.gov">vmurphy@nantucket-ma.gov</a> and the Coastal Resiliency Plan Report is found on the web site for the Coastal Resiliency Advisory Committee: <a href="https://www.nantucket-ma.gov">https://www.nantucket-ma.gov</a>/DocumentCenter/View/40525/Nantucket-Coastal-Resilience-Plan-PDF.

Vince Murphy acknowledged that the final version of the plan was due on this day while this talk is based on the publicly released draft plan. He started by reminding the group that water rise is inexorable and inevitable. There are separate planning scenarios that are based on the different projections of water rise. The Nantucket Plan is based on a "High" rise scenario that projects a sea-level rise of 9.25 feet by the year 2100. His slides showed the intermediate points for the

decades between now and 2100. The slides also showed flooding potentials around the Island for each projected amount of sea-level rise. Next, he showed projected land-losses due to erosion for each scenario. The downtown does not have much of an erosion risk, whereas Madaket does. The impact on the built environment of 9.25 feet of sea-level rise is to threaten 2606 structures and 27.9 miles of road that are deemed to be of "extreme, high, or moderate" risk. If the "lower" risk category is examined, the number of structures rises to 10,628 and the miles of road to 87.7.

He then moved on to potential solutions to the problem of sea-level rise; while the plan is Islandwide, his talk concentrated on the downtown and harbor area. In the near term, that is up to 2070, these solutions include using a raised road as a barrier, reinforced dunes, raised bulkheads, berms, and elevated access roads. There is no time to waste and these solutions need to be started in this decade. He then showed a sequence of slides that show in cross-section what each of these elements look like. For the longer term, post 2050, the Town may well need to consider a substantial harbor barrier and gate. While examined in theory, this structure is not part of the current recommendations. In this longer-term period, consideration will need to be given to protection of Coatue by dune nourishment and construction of off-shore breakwaters. He then projected a series of slides that depict solutions for other parts of the Island.

With the risk and the potential solutions shown, he then moved to considerations of actions by individual homeowners, shown in a homeowners' toolkit; they range in cost from low to high, each with its associated level of protection. He related that all recommendations have been made with historic considerations in mind. In the next several slides, he acknowledged that government will need to be involved heavily in the solutions and that this will take substantial coordination among the Town, the state, and the federal government. The report includes a table of 40 recommendations and he projected a small portion of the recommendations for the Island and, in a separate table, the Downtown. He closed by reminding the group that resilience is a cycle of assessment of risk and vulnerability, planning and priority setting, implementation, recovery actions, and monitor-evaluate-adapt plans, that lead back to an assessment step. This cycle is related to the "plan, do, check, act" cycle of environmental management systems.

Craig Muhlhauser began the questioning by asking about the factors that led to the assignment of potential risks. Vince Murphy replied by saying that the continuing series of UN-sponsored global climate summits have made the predictions of sea-level rise, which in turn depend on the predicted temperature rises expected from the increase of green-house gases in the atmosphere. The latest in this series is COP26 (Conference of the Parties), sponsored by the UK in cooperation with Italy and to be held in Glasgow beginning on 31 October and going for almost two weeks. Mary Longacre noted that it may take legislative action to slow this process.

Lee Saperstein prefaced his question by saying that Nantucket has a long-standing plan to mitigate pollution and the growth of invasive species in the duck pond by Consue that will involve the installation of larger culverts allowing for tidal flow in and out of the pond. The question is simple, "Is this a good idea?" Vince Murphy answered by saying that the plan should be re-examined in light of the potential of flooding of Orange Street inland from the pond. Mary Longacre noted that potential solutions may be limited by the public's tolerance of the occasional flood. One hundred percent protection may be much more expensive and even not possible

compared to protection from 90 percent of the storms. Lee Saperstein noted that the Dutch have moved residences and communities, which, to be safe, would need 100 percent protection, from the low-lying tracts of land, known as polders, which are protected by dikes, and established them as farm lands that can tolerate the occasional flood. Craig Muhlhauser noted that he liked the idea of natural barriers. Mary Longacre, chair of the Coastal Resiliency Advisory Committee, said that they have pages in the Town's web site and that they are looking for input from the citizenry. There is a place for public input and, even though the final report has been submitted, they would still appreciate feedback "Your comments on coastal resilience:" <a href="https://townofnantucket.typeform.com/CoastalResComms?typeform-source=www.nantucket-ma.gov">https://townofnantucket.typeform.com/CoastalResComms?typeform-source=www.nantucket-ma.gov</a>. Vince Murphy said that he hoped that the Nantucket Town Association would provide feedback. Craig Muhlhauser, seconded by Vince Murphy, said that there will be a substantial cost to protect Nantucket's historic structures.

## VI. Adjournment.

Henry Terry thanked Vince Murphy for his presentation and called for a motion to adjourn and Paula Williams so moved and Trish Bridier seconded the unanimously approved motion at 4:52 pm.

\*Next meeting is November 16<sup>th</sup>, one week before the normal time to avoid the Thanksgiving week and will be via Zoom unless a decision to hold an in-person meeting is made; more information will be forthcoming with the next agenda; if one uses Zoom, registration is available at the same address as was used for this meeting.

\*Please remember that we need to end the meeting by 5:00 pm so that the library staff may leave the building.

Lee W. Saperstein, Secretary, saperste@mst.edu.

# NANTUCKET TOWN ASSOCIATION

Treasurer's Report Oct 26, 2021

Beginning Balance \$3,654.86

Deposits 0

Expenditures 0

End Balance \$3,654.86







# What to expect from the Nantucket Coastal Resilience Plan

Risk areas, potential infrastructure, potential polices outcomes.

Water is coming.

Vince Murphy, Coastal Resilience Coordinator. Natural Resources Department, Town of Nantucket.

Presentation on 10/26/21 to Nantucket Town Association

A 20 minute which wind

## Disclaimer

This presentation was prepared with only information from the Draft CRP that was received on September 24.

The finalized CRP is expected to be received today, October 26, and I did not incorporate any updates.

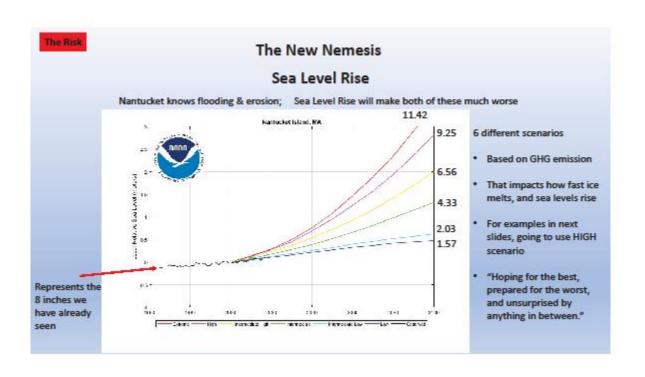
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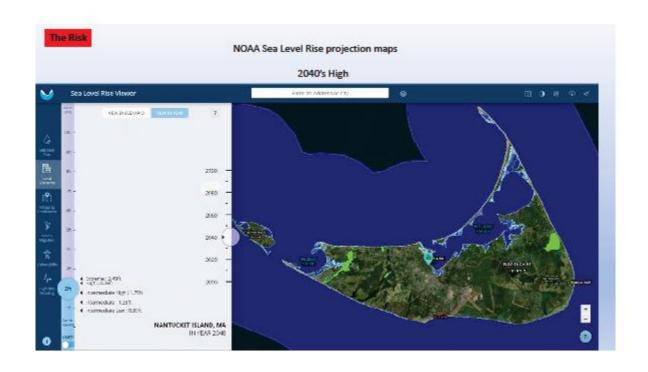


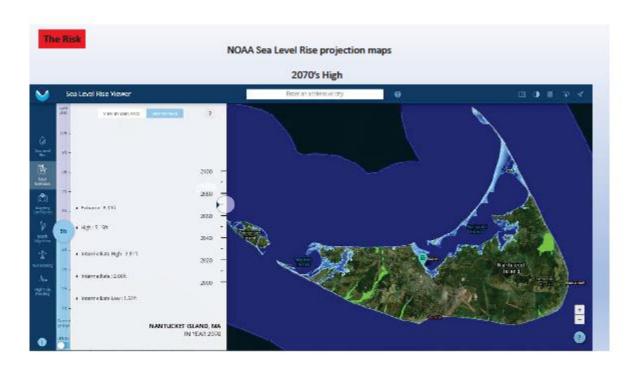


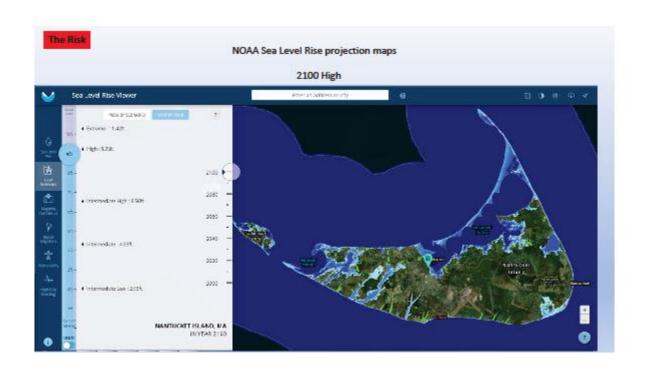


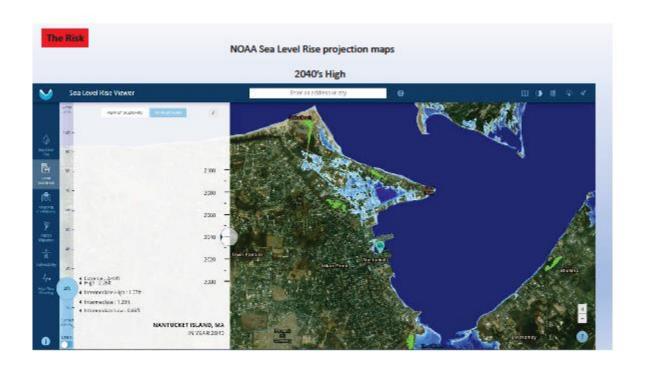
# The Risk

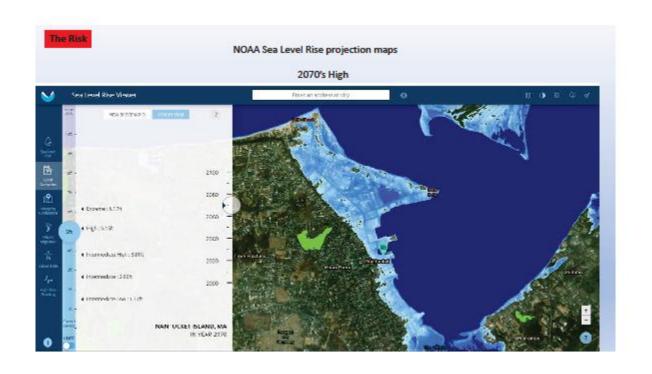


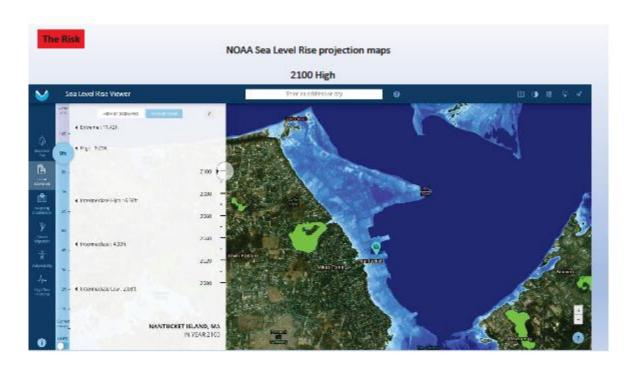


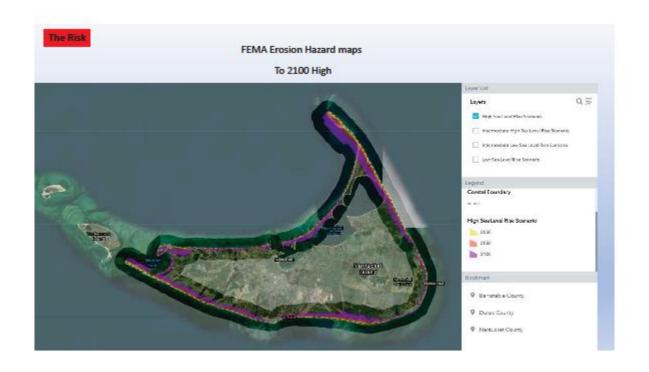




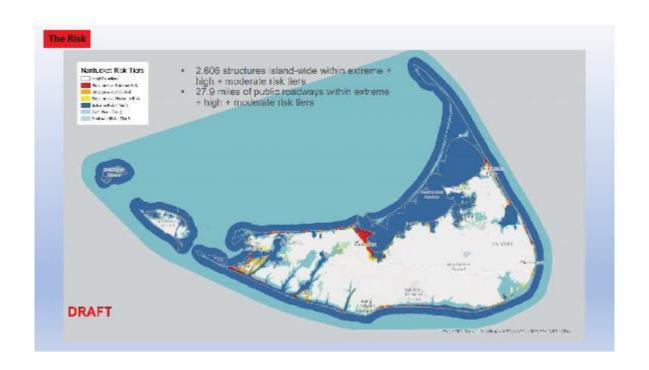
















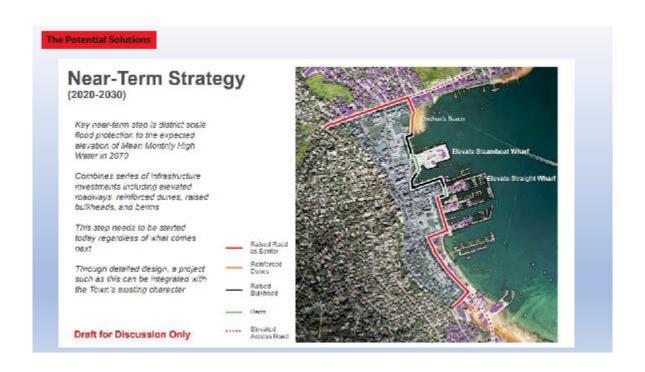




# The Potential Solutions

Focus on Downtown area

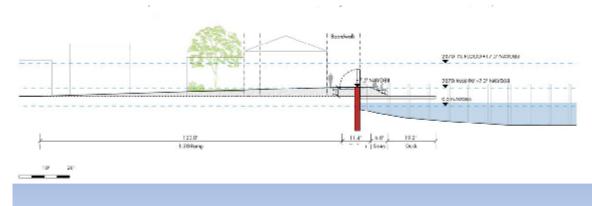






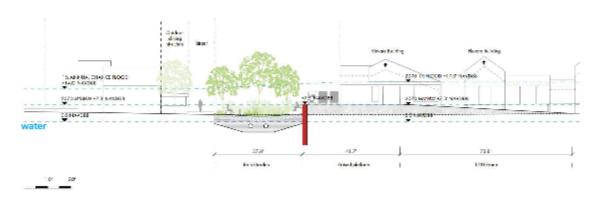
The Potential Solutions

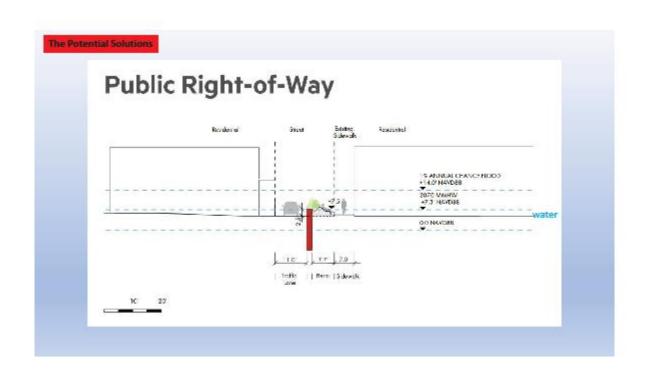
# Water's Edge



The Potential Solutions

# Inland Open Space













The Potential Solutions

# Other solutions around the island

Including as this is an island wide plan, but will be brief

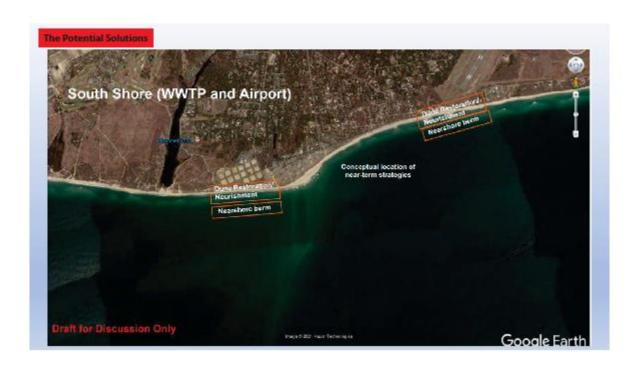


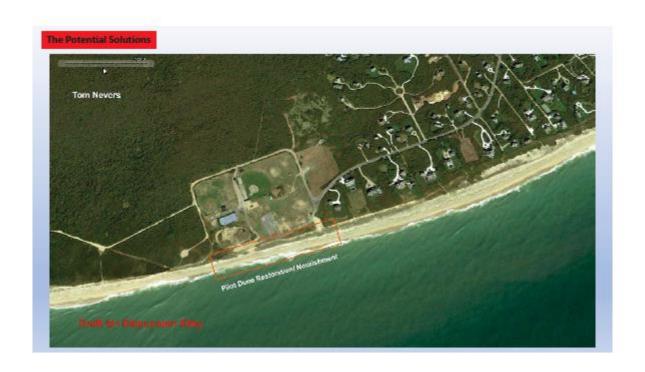


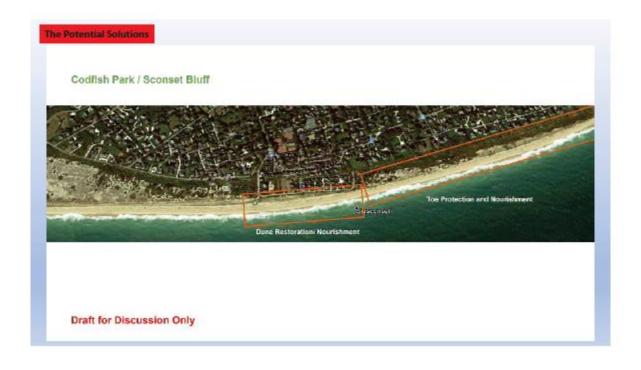




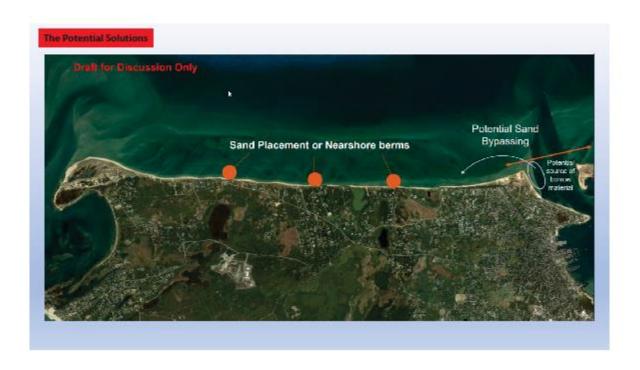


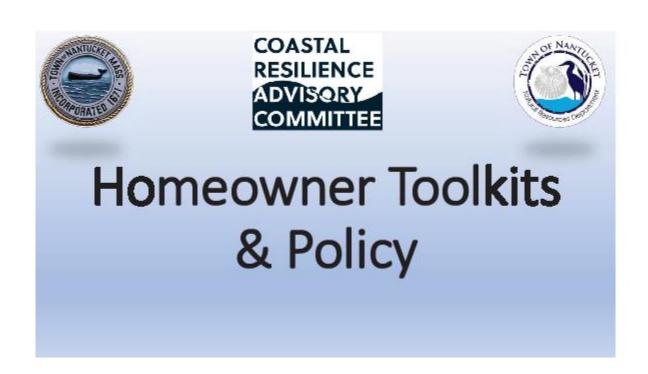


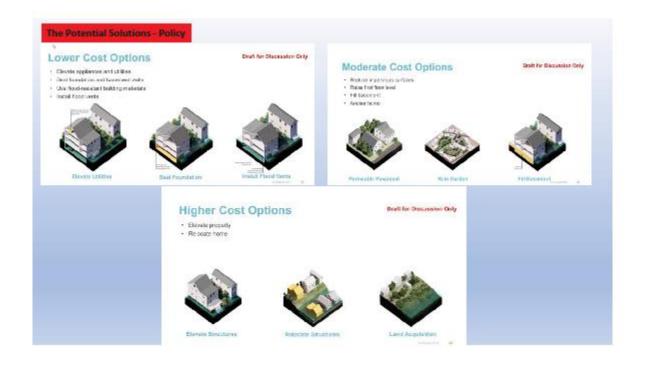


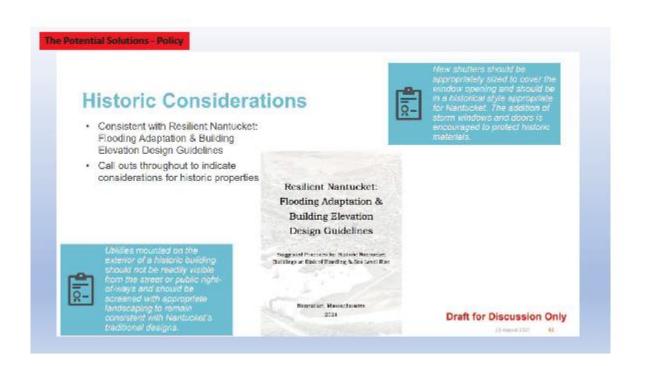


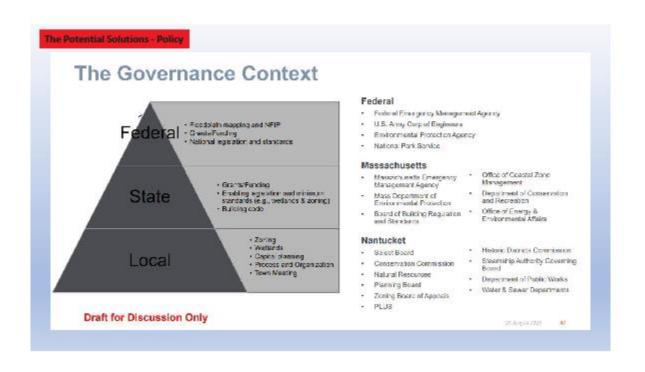


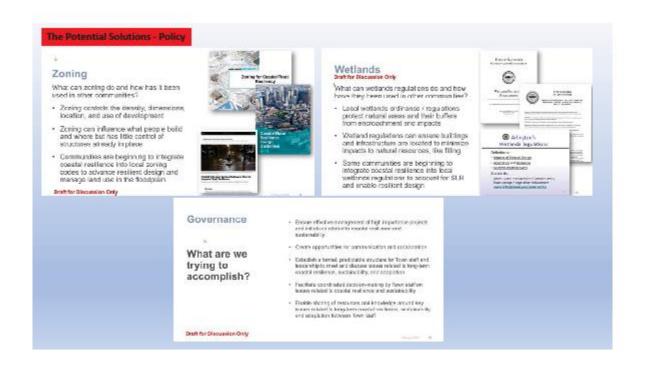














Focus Area		Strategy or Project Title
	1-1	Community Outreach on Home owner Residence South Practices
	1-2	Exprises to Zoning Rept. rule
	1-3.	Updates to windred distillance and logs before
	1-4	Strategic Formatiand Palacatics Program
풉	1-5	County Had lence and Sustainability and departmental Working Croup
≣ ହ	1-6	Ze'n Stall Review of Development Enquesite
7 5	1-2	County Res Recovered Scientificals Bry Programs
SLAND-WIDE (section 06)	16	Steeding Chargo Heritoring Program
	1:9	Sedimont Turnport Study
<u>S</u>	1-10	Startwarer Hunagement Res
	1-11	Sediront Budget
	1-12	Alexander Pylicus Accessores
	1-13	Stormwater By-Low and Regulations Godele
	1-14	Update locally-edoptic sea level tile econolice and Bost Available Flood Hazaro Data

Focus Area	Strategy ID	Strategy or Project Title
DOWNTOWN * (section 07)	2-1	Steamboet Whari Resilience
	2-2	Downtown Neighborhood Flood Barrier
	2-3	Easton Street and Hubert Avenue Road Raising
	2-4	Washington Street Extension and Consue Springs Walloway Raising
	2-5	Building Scale Resilience at 37 Washington Street
	2-6	Downtown Neighborhood Flood Barrier - Phase 1 Project





	Strategy ID	Strategy or Project Title
SOUTH SHORE (section 07)	6-1	Newholist Hermatial Argueri United contraction
	5-3	Star balon Was feet a fee I near mean Wash Duries He ETC farrison
	6-5	Non-Newson Field Decision Minigation Filter Project
	6-6	Surbide December Access Planning
	65	Sharp Fond Youd Tel coat be Study
Focus Ares	Strangg(II)	Strategy or Project Title
NORTH SHORE (seetlen 07)	74	Sorth More June Repression and Houseway
	72	Sand Purpling Providing Study



