



## **Breezy Point Public Meeting #2**

November 12, 2013

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# Agenda

- 1. Introduction** 7:00 - 7:10
- 2. Strategy Introduction** 7:10 - 7:30
- 3. Break-out Stations** 7:30 - 8:15
- 4. Station Reports** 8:15 - 8:45

# NY Rising Community Reconstruction Goals and Components

## Goals

- Increase resiliency of key assets
- Address short, medium, and long-term risks
- Balance costs and benefits
- Protect vulnerable populations
- Drive economic growth
- Coordinate with regional initiatives
- Outline steps for implementation

# Community Reconstruction Plan

## Six Recovery Functions

Community Planning  
& Capacity Building



Economic  
Development



Health &  
Human Services



Housing



Infrastructure



Natural &  
Cultural Resources



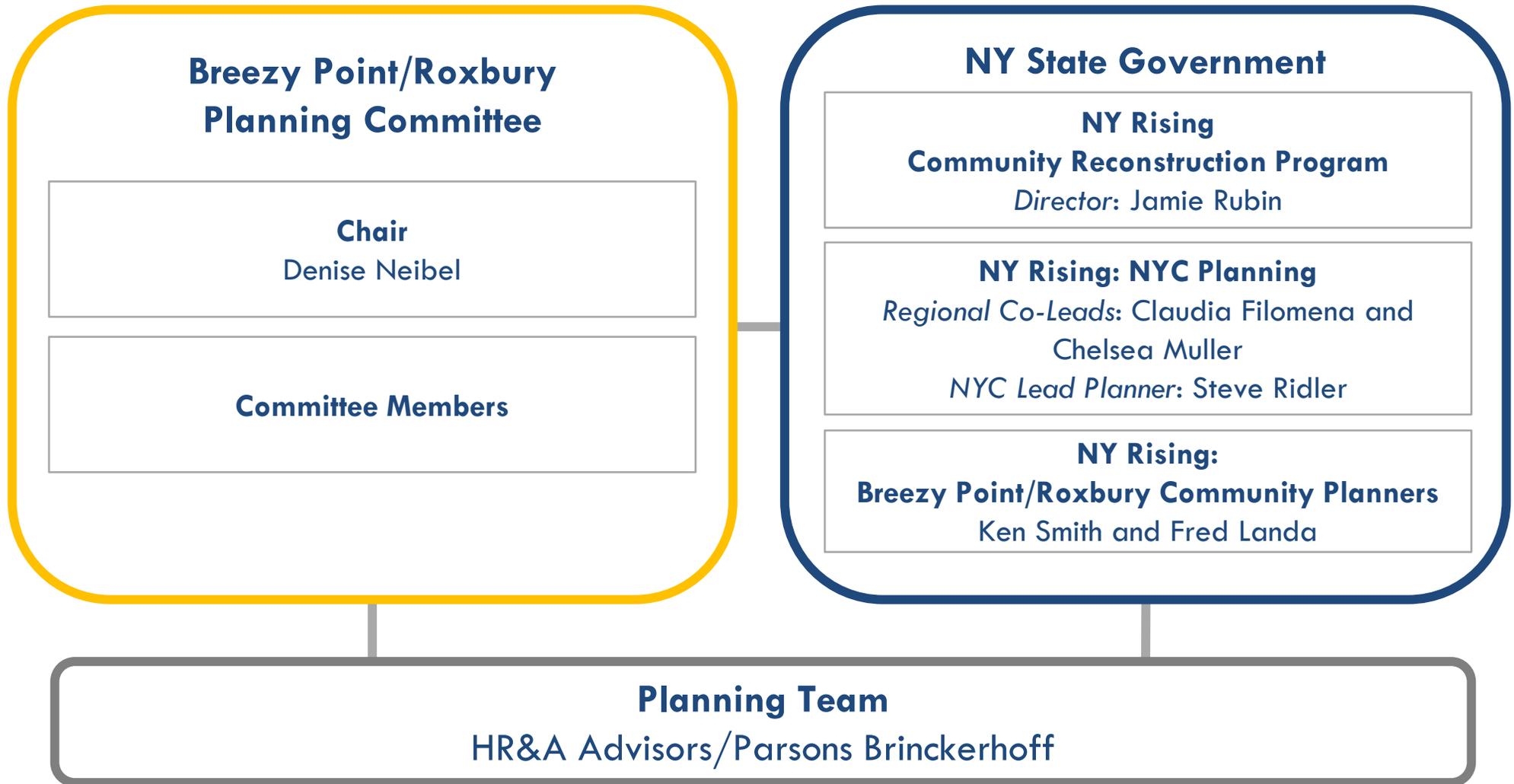
# Breezy Point Communities



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# NY Rising and Planning Committee Organization

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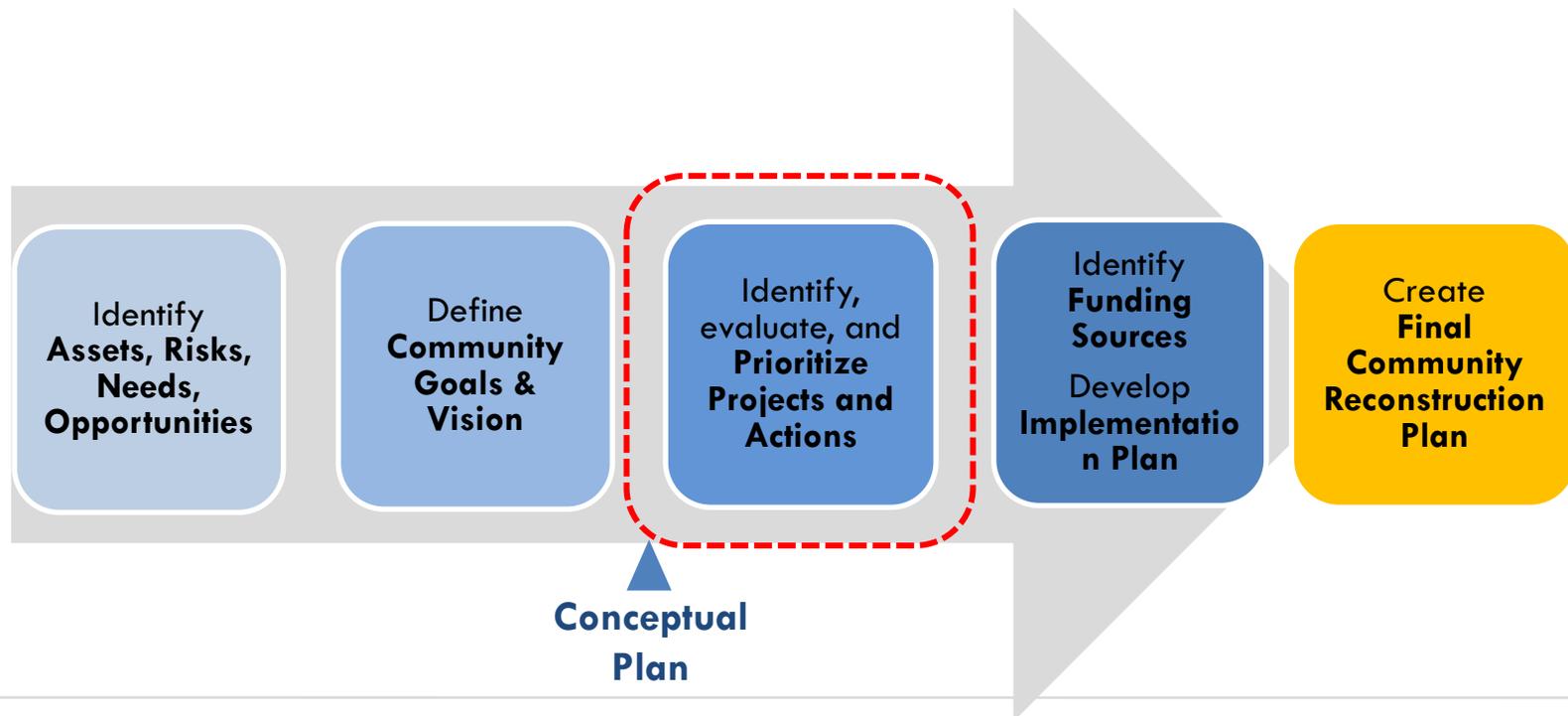
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Today's meeting will focus on developing the strategies and initial project ideas for the Breezy Point communities.

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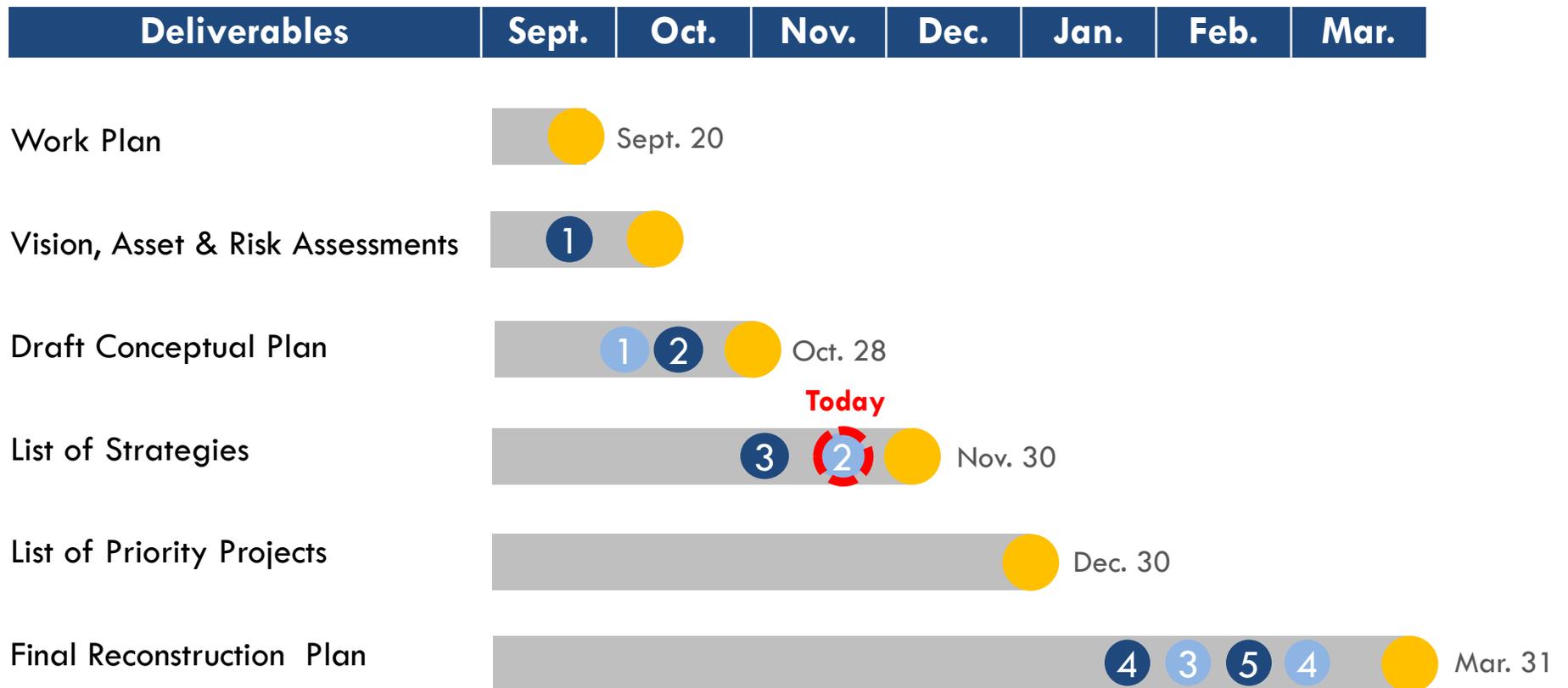
## Objectives:

Discuss strategies and projects



# NY Rising Community Reconstruction Program Schedule

- Planning Committee Meeting
- Public Meeting
- Deliverable Due Date



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## NY Rising to The Top Competition

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### **NY Rising Community Reconstruction Program Funds:**

Breezy Point: up to \$19.5 million

Possible additional funds (\$3 million per category)

- 1) Best Regional Collaboration
- 2) Best Use of Technology in the Planning Process
- 3) Best community Involvement in the Planning Process
- 4) Best Inclusion of Vulnerable Populations
- 5) Best Use of Green Infrastructure to Bolster Resilience
- 6) Best Innovative and Cost-Effective Financing of Critical Projects
- 7) Best Infrastructure Investments with Multiple Co-Benefits
- 8) Best Approach to Resilient Economic Growth

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## Additional Funding Sources

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- Second tranche of CDBG-DR funding
  - Over \$2 billion to the City and State
- \$100 Million in Hurricane Sandy Coastal Resiliency Competitive Grant Program through the Department of the Interior
- \$50 Million in Disaster Relief Assistance Grant for historic properties on the National Register

# Breezy Point Community Reconstruction

Conceptual Plan  
October 28, 2013

Posted on NY Rising website:

<http://stormrecovery.ny.gov/nycrcr/community/breezy-point>



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## Conceptual Plan Contents

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- Introduction to NY Rising Community Reconstruction Program
- Community Context
  - Geography and Demographics
- Storm Impacts and Risk
- Rebuilding and Resiliency Planning
  - Assets
  - Needs and Opportunities
  - Community Goals and Vision
- Regional Perspectives
- Existing Plans Studies, and Projects
- **Preliminary Strategies, Projects, and Actions**
- Next Steps

# Online Feedback

<http://breezypoint.nyrisingmap.org>

The screenshot displays the NY Rising Breezy Point online feedback map. The map shows various asset categories, including Economic, Health and Social Services, Housing, Infrastructure Systems, and Natural and Cultural. A specific asset, 'BALLFIELD & TENNIS COURTS', is highlighted in green. The interface includes a 'WHAT TO DO' section, a 'SUGGEST CORRECTION' button, and a list of neighborhood comments.

**NY Rising: Breezy Point** WHAT TO DO

SIGN IN WITH [Twitter](#) [Facebook](#)

Asset categories:

- Economic
- Health and Social Services
- Housing
- Infrastructure Systems
- Natural and Cultural

**NATURAL AND CULTURAL**

**BALLFIELD & TENNIS COURTS**

Parks and Recreation.

Risk zone: High

[Corrections](#) [Issues](#)

Tell us what we have missed or gotten wrong.

Comment

Your Name

[Suggest Correction](#)

Comments on the whole neighborhood

- NY Rising Team commented on BREEZY POINT BEACH
- NY Rising Team left a neighborhood comment
- NY Rising Team commented on POINT BREEZE VFD
- NY Rising Team commented on 328 ROCKAWAY POINT BLVD
- Pat Burke commented on FERRY DOCK
- Anne Tully commented on BREEZY POINT BEACH
- Maryellen Rudolph commented on BREEZY POINT BEACH
- Summer resident since 1950. commented on BREEZY POINT BEACH
- homeowner left a neighborhood comment

Powered by [Shareabouts](#), a project of [OpenPlans](#).

Or email: [info@stormrecovery.ny.gov](mailto:info@stormrecovery.ny.gov)

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Strategies, Projects, and Approaches from the Conceptual Plan

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Strategy

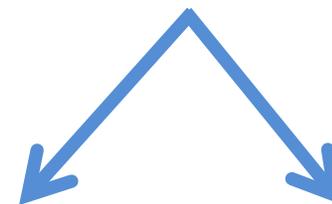
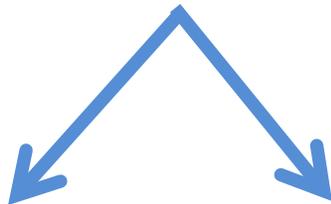


Short-Term/Long-Term Goals



Approach A

Approach B



Project 1

Project 2

Project 1

Project 2

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## Draft Key Strategies

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**Strengthen the Edge** - Minimize rising water's entry into Breezy communities by strengthening the ocean and bay edges

**Infrastructure** - Strengthen power/utilities/communications/water management infrastructure to ensure sustainability and endurance at all times

**Emergency Preparedness** - Pursue measures to strengthen Breezy's ability to contend with and recover from large-scale natural disasters and emergency events

**Housing** - Rebuild and protect housing, the most important assets within the community

**Economic Viability** - Strengthen and protect commercial areas to protect and sustain economic health and vibrancy

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## Strategy: Strengthen the Edge

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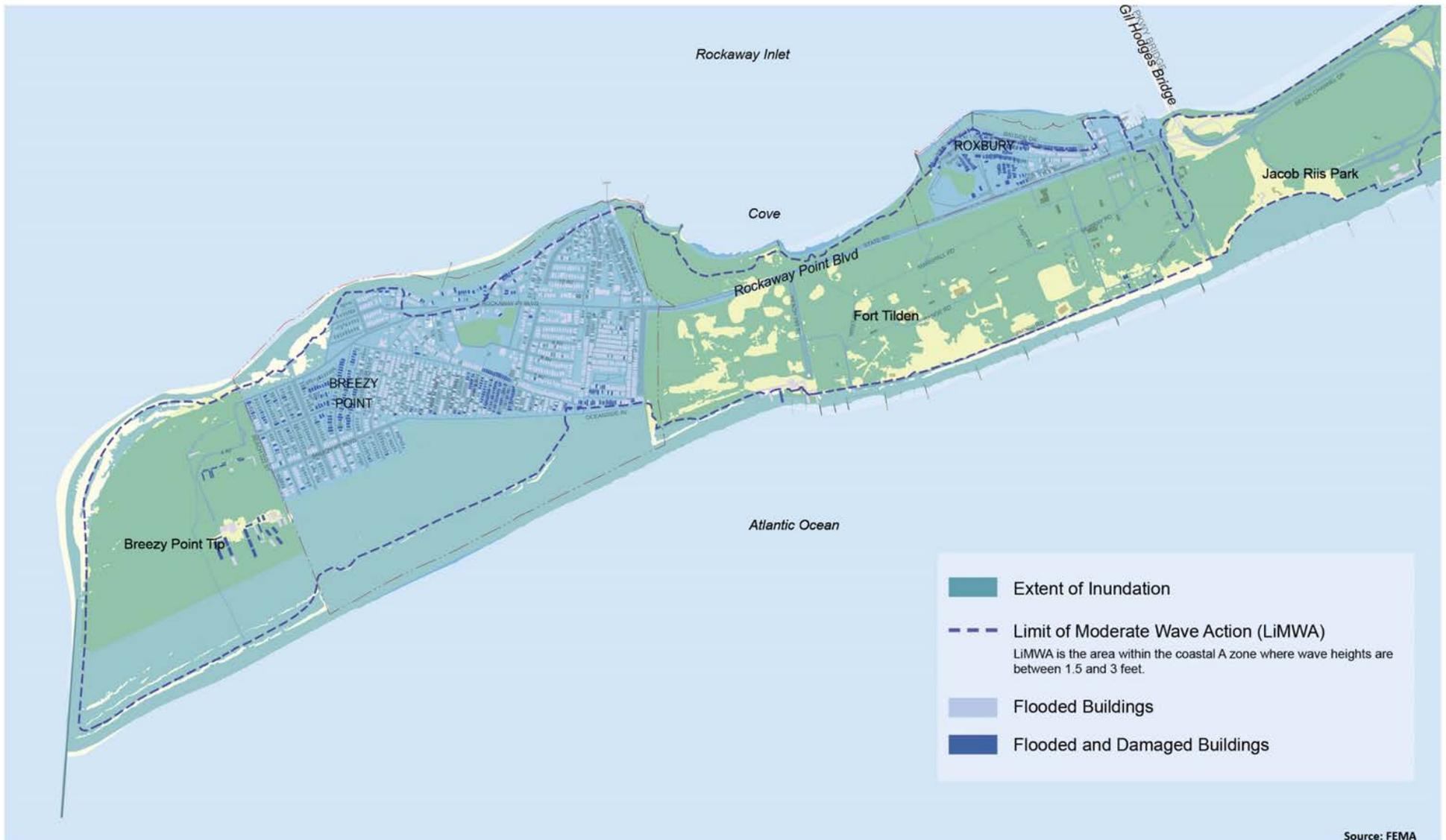


**Strategy:** Minimize rising water's entry into Breezy Point by strengthening the edge

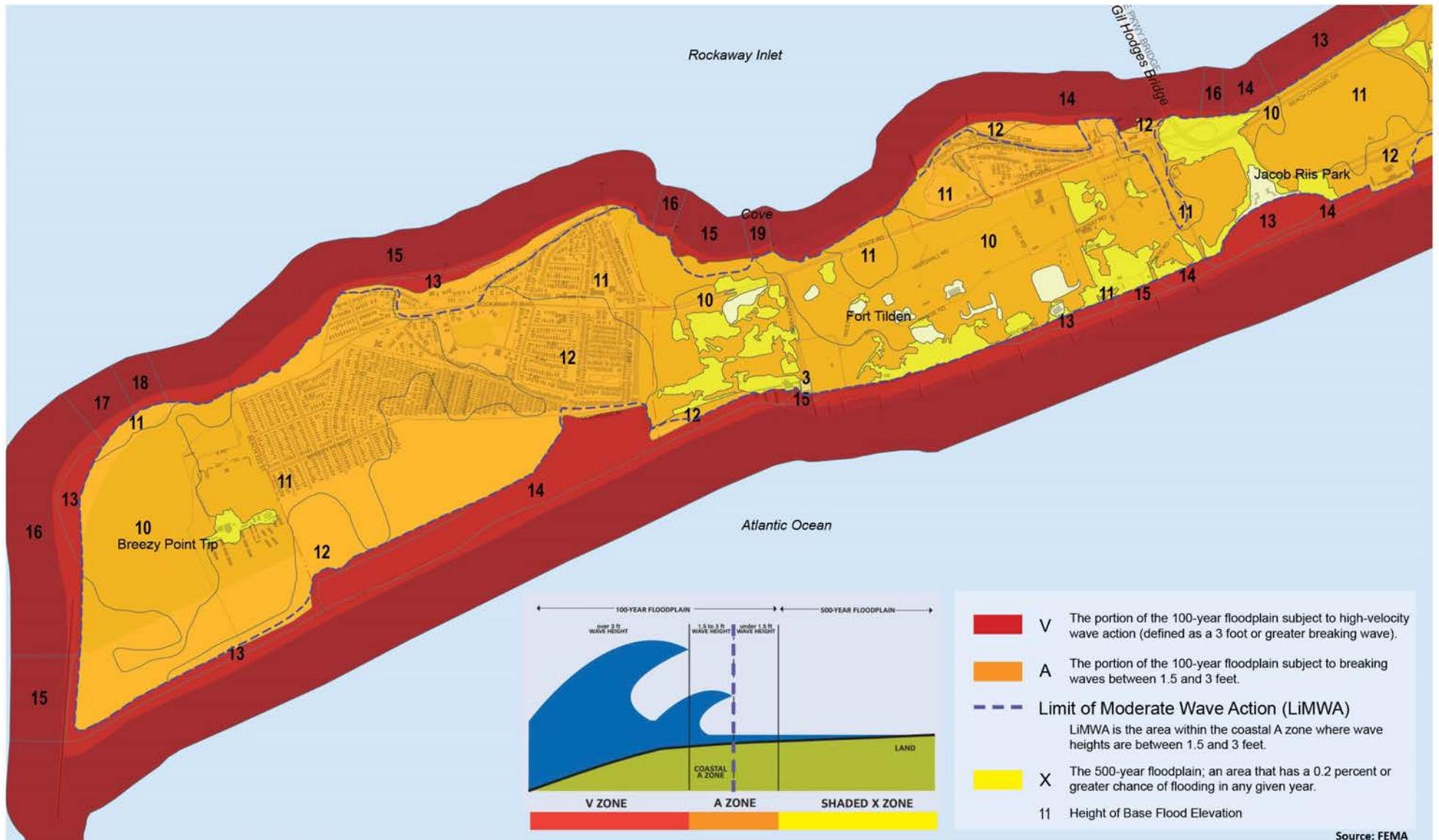
### Initiative Ideas:

- Identify vulnerabilities on the bay side and identify short-term remediation measures where feasible
- Pursue a project to fortify the cove
- Determine any gaps in beachfront plans and determine short- and long-term projects to address them
- Evaluate opportunities to protect the community's edges along adjacent parklands to the west and east

# Sandy Inundation and FEMA Building Damage

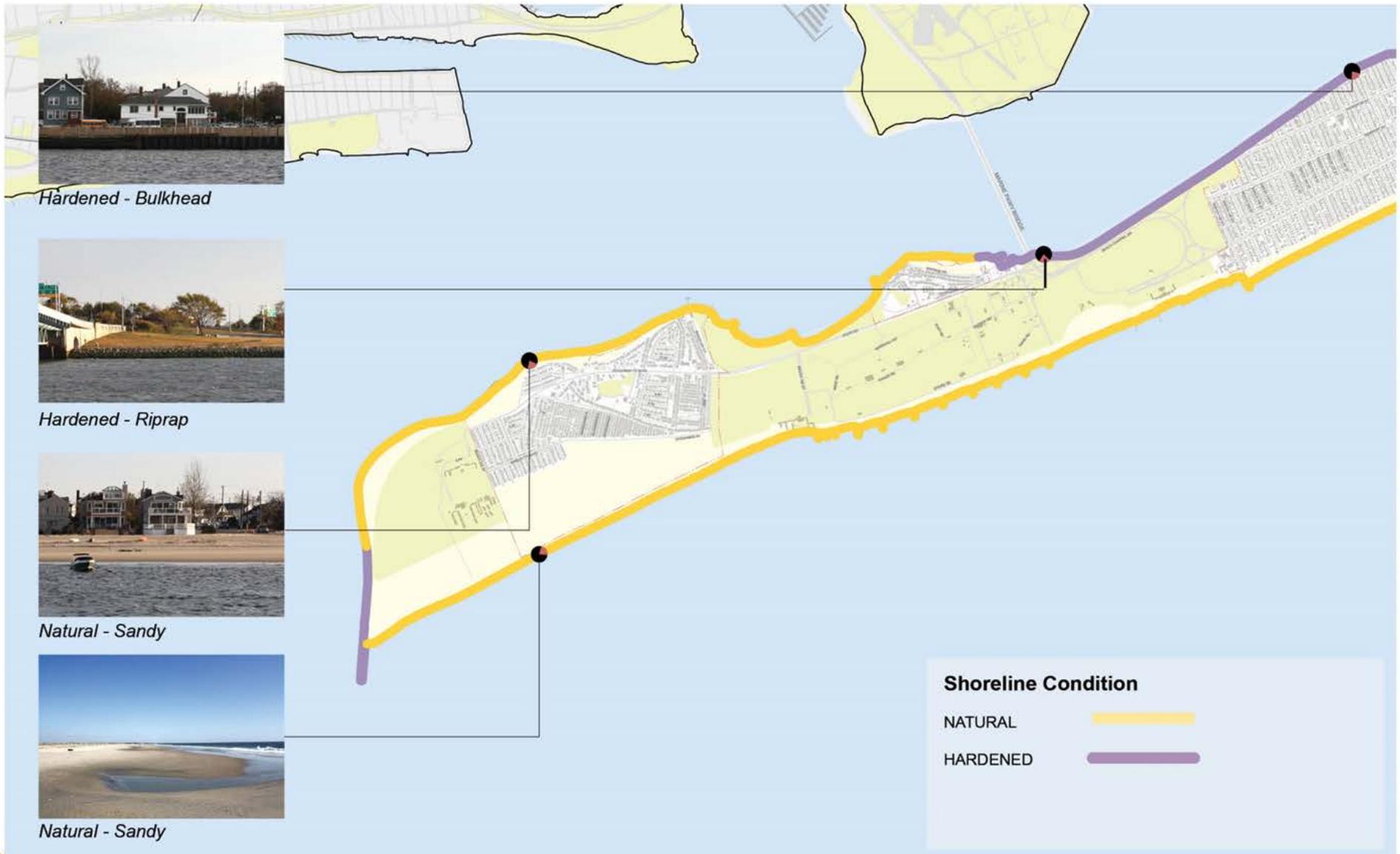


# NYS DOS 2013 Preliminary Hazard Zones



Source: FEMA

# Shoreline Condition



# Shoreline Ownership



# Approach #1

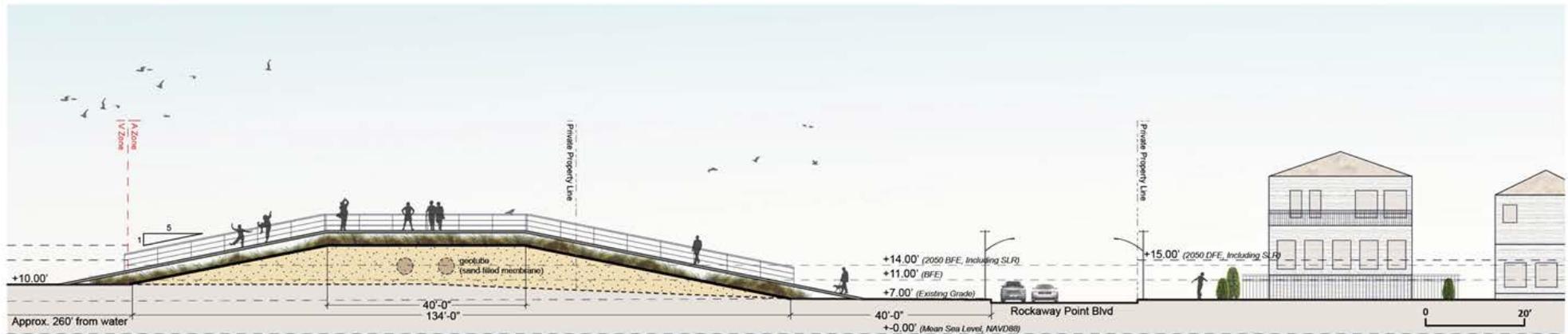
## 'Do it Yourself' Edge Approach



# Dune Protection (applicable to Bay and Ocean)

**NOTE: CONCEPTUAL DIAGRAM FOR ILLUSTRATIVE PURPOSES ONLY. SUBJECT TO FURTHER ENGINEERING & TECHNICAL ANALYSIS & VERIFICATION**

## Conceptual Section A



Precedent: Ocean City, NJ



Precedent: Atlantic City, NJ

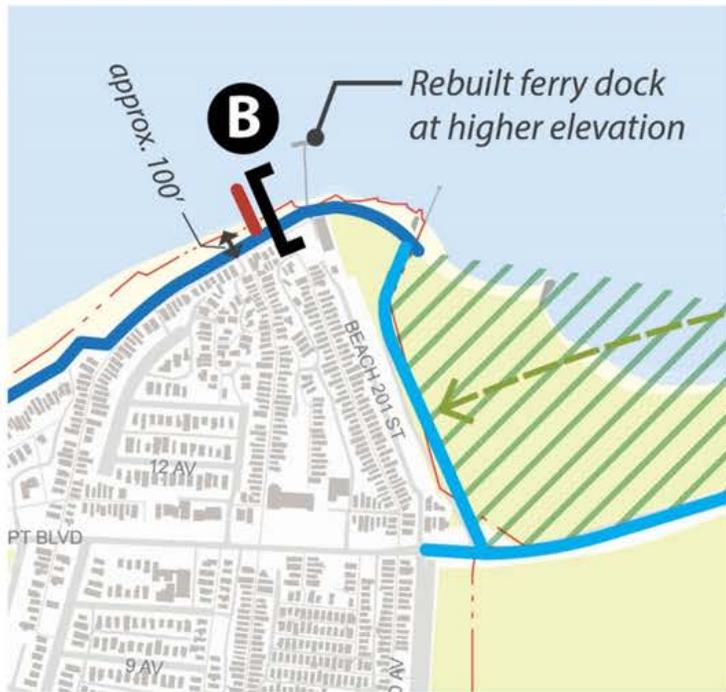


Precedent: Bradley Beach, NJ

# Sea Wall

## Conceptual Section B

**NOTE:** CONCEPTUAL DIAGRAM FOR ILLUSTRATIVE PURPOSES ONLY. SUBJECT TO FURTHER ENGINEERING & TECHNICAL ANALYSIS & VERIFICATION



Key Plan

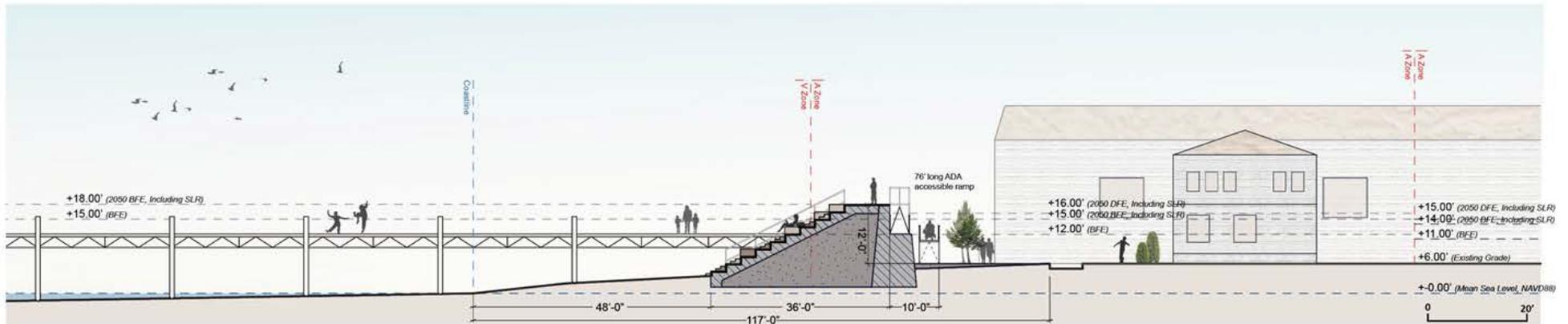


Existing Conditions

# Sea Wall

## Conceptual Section B

**NOTE: CONCEPTUAL DIAGRAM FOR ILLUSTRATIVE PURPOSES ONLY. SUBJECT TO FURTHER ENGINEERING & TECHNICAL ANALYSIS & VERIFICATION**



Precedent: Rockaways, 106th Street



Precedent: Melbourne, Australia

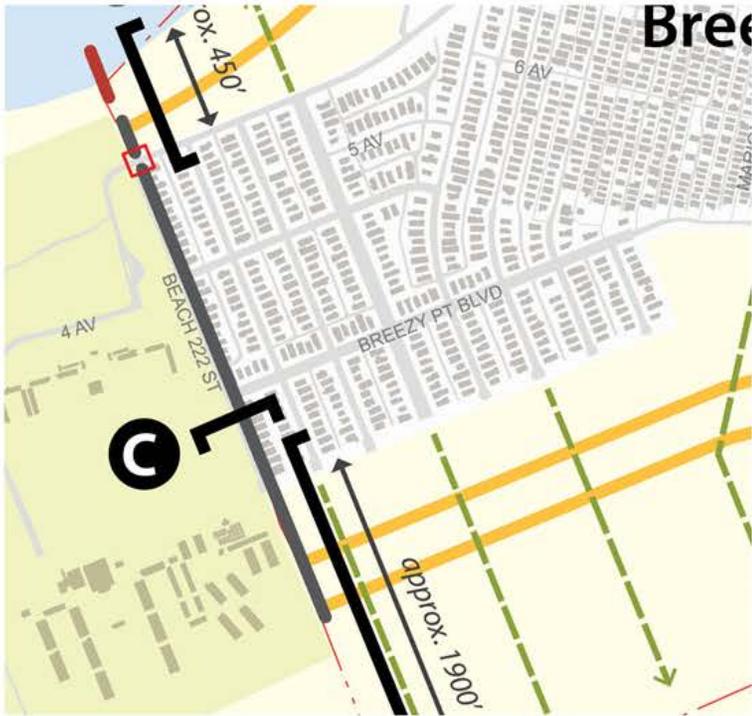


Precedent: Glenelg Beach, Australia

# Flood Wall

## Conceptual Section C

**NOTE:** CONCEPTUAL DIAGRAM FOR ILLUSTRATIVE PURPOSES ONLY. SUBJECT TO FURTHER ENGINEERING & TECHNICAL ANALYSIS & VERIFICATION



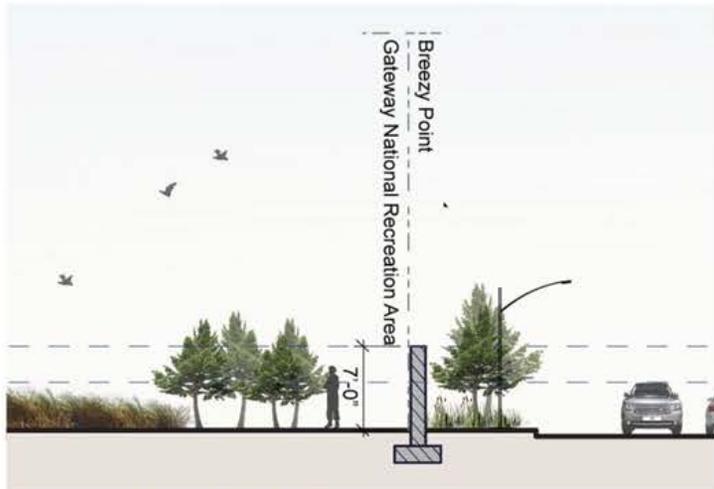
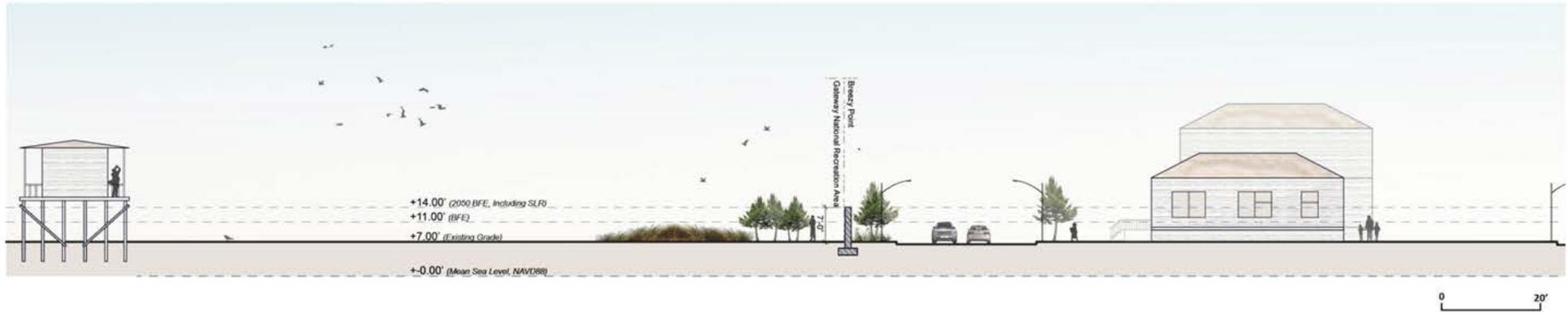
Key Plan

Existing Conditions

# Flood Wall

**NOTE:** CONCEPTUAL DIAGRAM FOR ILLUSTRATIVE PURPOSES ONLY. SUBJECT TO FURTHER ENGINEERING & TECHNICAL ANALYSIS & VERIFICATION

## Conceptual Section C



Zoom-in: Flood Wall detail



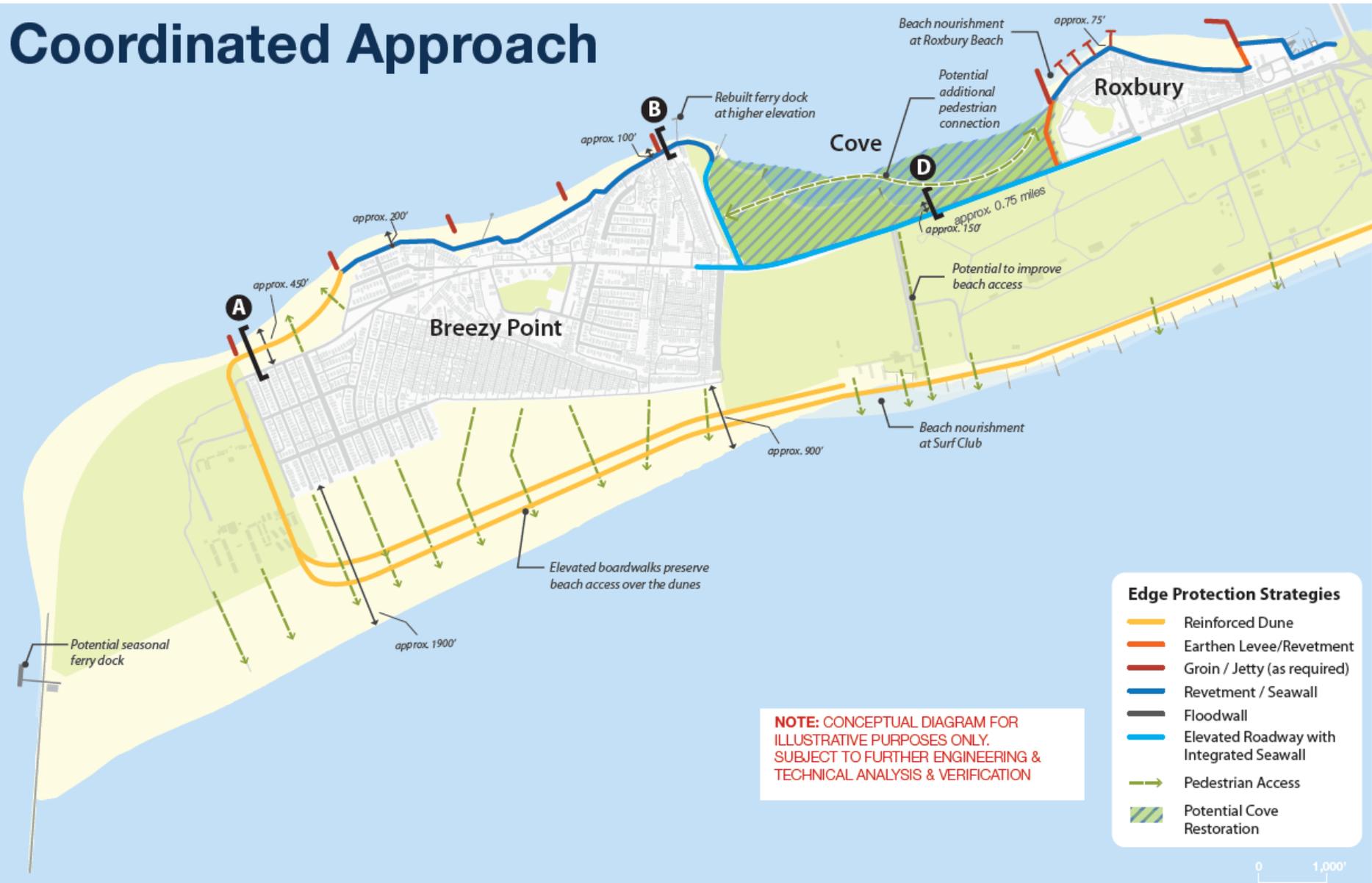
Precedent: Columbus Regional Hospital



Precedent: Great Neck Floodgate

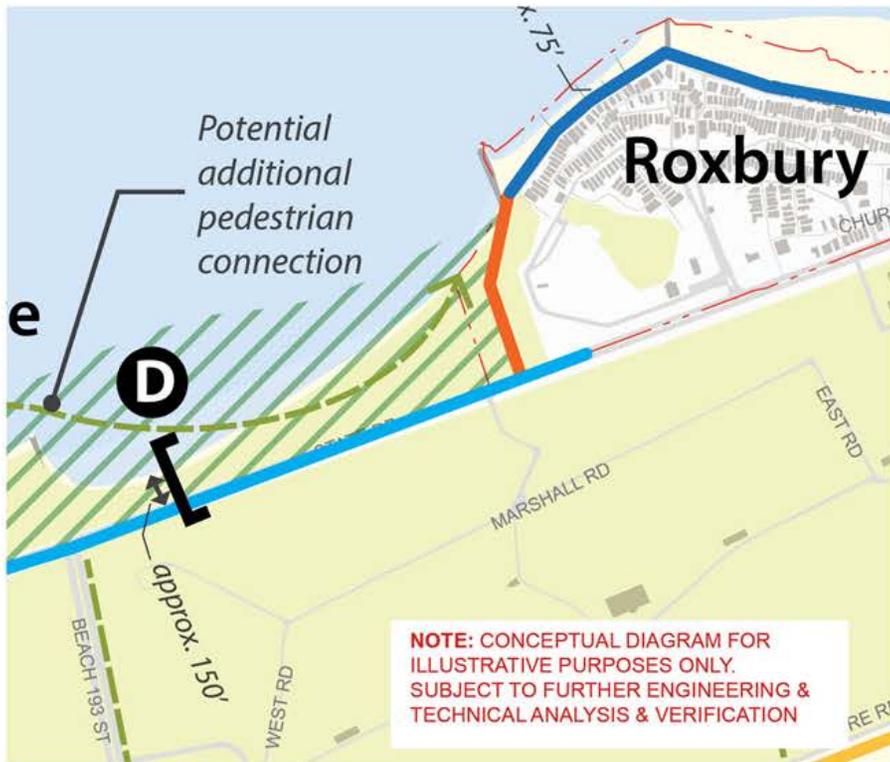
# Approach #2

## Coordinated Approach



# Elevation Roadway (integrated seawall)

## Conceptual Section D



Key Plan



Existing Conditions

# Elevation Roadway (integrated seawall)

**NOTE: CONCEPTUAL DIAGRAM FOR ILLUSTRATIVE PURPOSES ONLY. SUBJECT TO FURTHER ENGINEERING & TECHNICAL ANALYSIS & VERIFICATION**

## Conceptual Section D



Precedent: Jamaica Bay Cove restoration



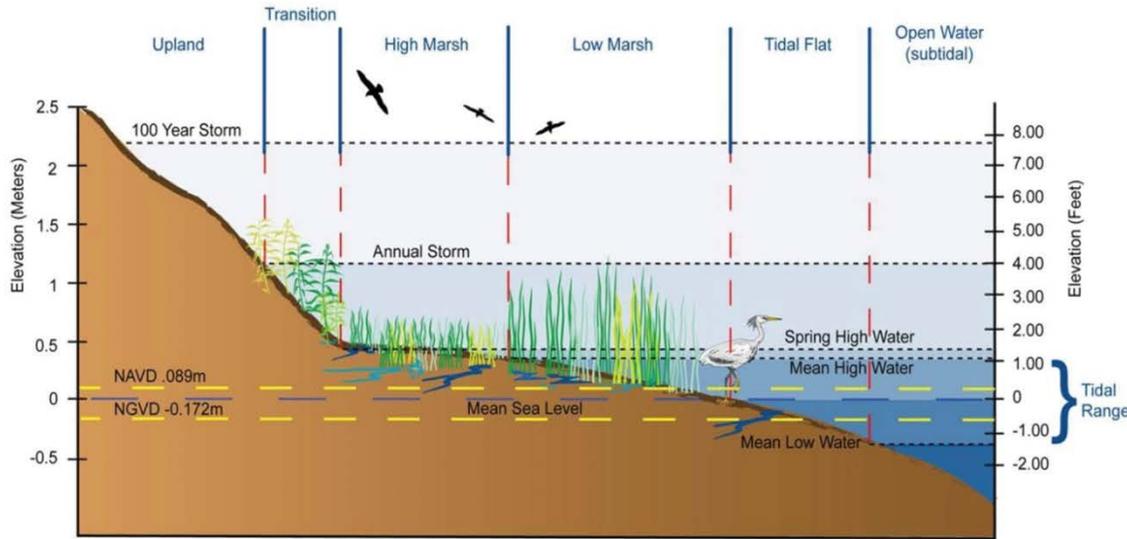
Precedent: Scheveningen, Netherlands



Precedent: Landscaped Terrace

# Cove Restoration Precedents

A boardwalk over the wetland would provide a scenic pedestrian connection between Roxbury and Breezy Point as well as opportunities for ecological education



Typical tidal wetland profile



Restoration of the tidal wetland or beach restoration can be a community or school event



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# Strategy: Infrastructure

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**Strategy:** Strengthen power, utilities, communications, and water management to ensure sustainability and endurance at all times

## Initiative Ideas:

- Evaluate near-term opportunities to improve water drainage or pumping
- Pursue secondary means of access and egress (especially for emergencies)
- Pursue near- and long-term efforts to create resilient, green, alternative energy sources across Breezy

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# Strategy: Emergency Preparedness

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**Strategy:** Pursue measures to strengthen Breezy’s ability to contend with and recover from large-scale natural disasters and emergency events

## Initiative Ideas:

- Bolster existing emergency services and supplies
- Create community preparedness plan and training program, with focus on supporting more vulnerable residents
- Identify and fortify key locations in Breezy and Roxbury that can serve as safe, central centers during an emergency

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# Strategy: Housing

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**Strategy:** Rebuild and protect housing, the most important assets within the community

## Initiative Ideas:

- Evaluate scope of existing housing recovery programs, determine gaps, and create a proposal to address remaining rebuilding and protection needs
- Create a grant or low-cost loan program to help all people invest in the resiliency of their homes
- Investigate implications of coastal protection measures on flood rates

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# Strategy: Economic Sustainability

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**Strategy:** Strengthen and protect commercial areas to protect and sustain economic health and vibrancy

## Initiative Ideas:

- Evaluate scope of existing business recovery plans, determine gaps, identify best practices in other small business communities
- Expand low-cost loan programs to rebuild businesses and help make businesses more resilient
- Create Rockaway business-to-business program to share ideas and to build up the overall small business community

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## Breakout Session Actions

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### **Prioritize Top Strategies**

- Review Concept Plan and Strategies
- VOTE on TOP 2 Strategies (or review/add to list)

### **Provide Feedback on Each Strategy**

- Visit each strategy station
- Review examples and idea
- Review Draft Initiatives and Questions
- Provide Feedback, Additional Ideas & Approaches

## Break-Out Stations – Key Strategies

### Strengthen the Edge



### Infrastructure



### Emergency Preparedness



### Housing



### Economic Viability



**THANK YOU**

