



Howard Beach
Program Information Meeting
Public Meeting #2

November 18, 2013

New York State has appointed a Planning Team to provide technical assistance to the Planning Committee

**Howard Beach
Planning Committee**

Chair

John Calcagnile, Frances O. Scarantino

Committee Members

Andrew Bauman, Betty Braton, John Fazio,
Roger Gendron, Frank Giglia, Frank Gulluscio,
Edward Kalanz, Frank Lombardi

NY State Government

**NY Rising
Community Reconstruction Program**

Director: Jamie Rubin

NY Rising: NYC Planning

*Regional Lead: Claudia Filomena
NYC Lead Planner: Steve Ridler*

**NY Rising:
New & Old Howard Beach
Community Planners**

Bonnie Devine, Amy DeGaetano

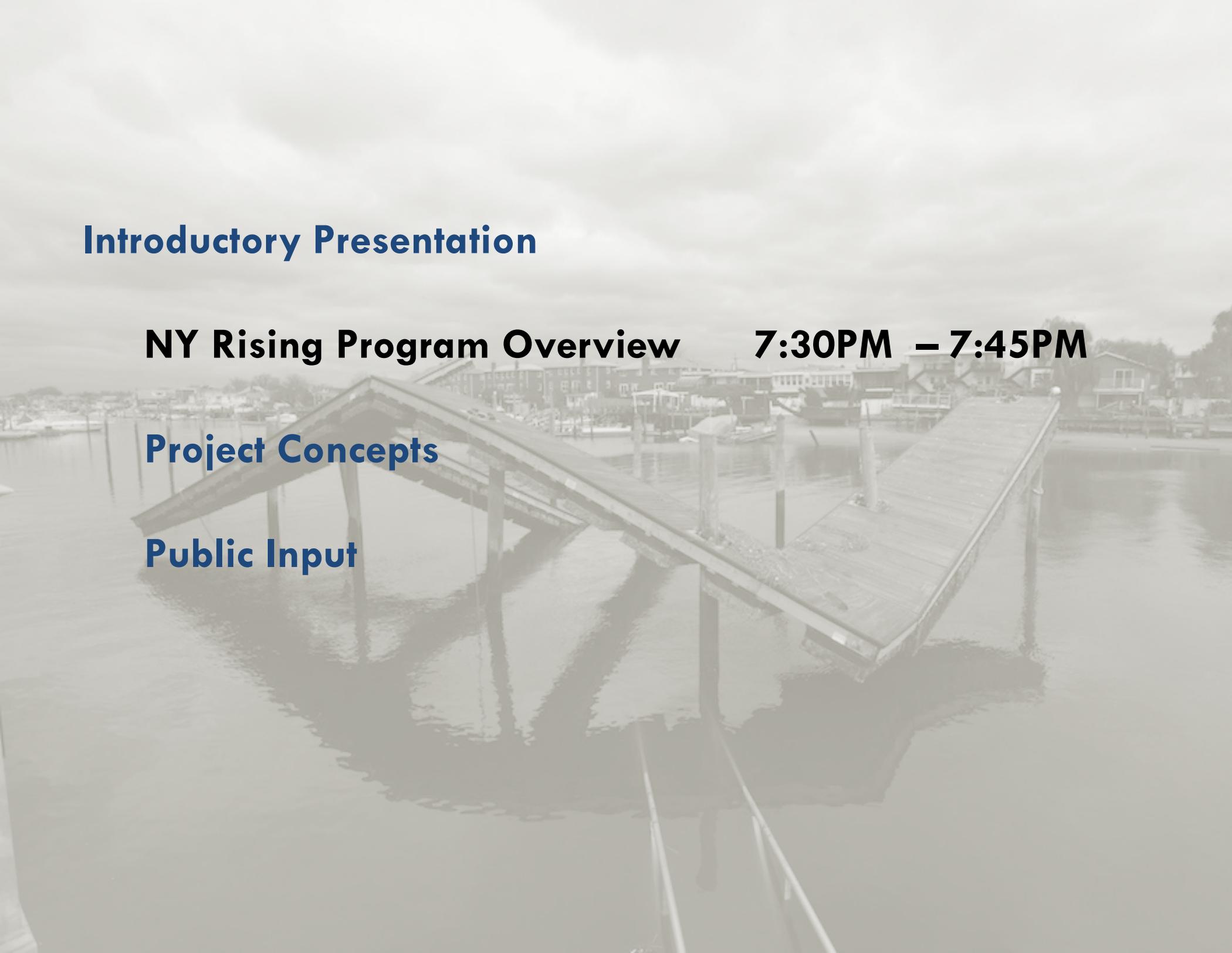
Planning Team

HR&A Advisors/Parsons Brinckerhoff/SCAPE Studios/Hammes Company

Howard Beach Community Vision

"To be a vibrant and sustainable community that enables residents and visitors to enjoy the bounty of its commercial strip and the natural beauty of Jamaica Bay."





Introductory Presentation

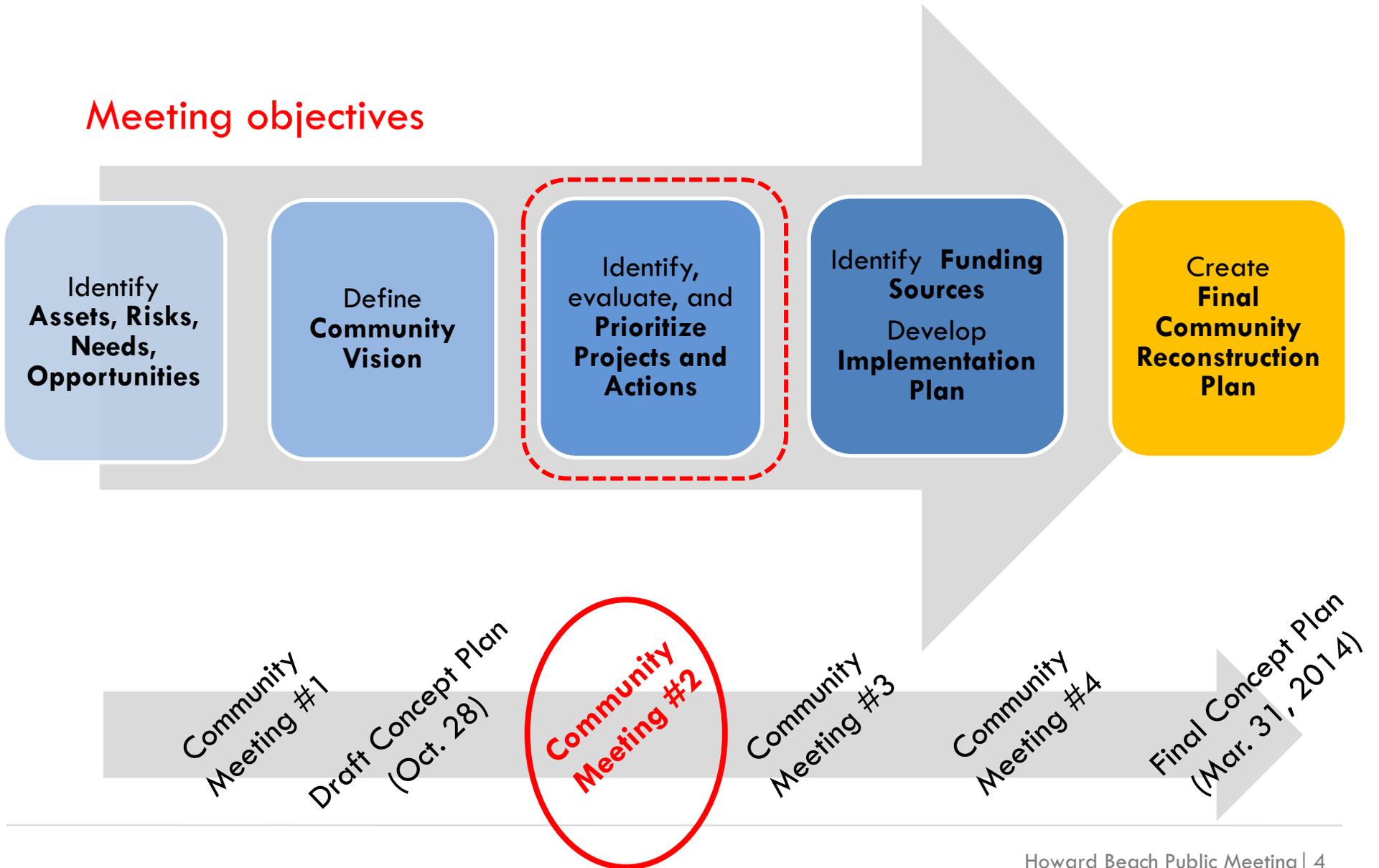
NY Rising Program Overview 7:30PM – 7:45PM

Project Concepts

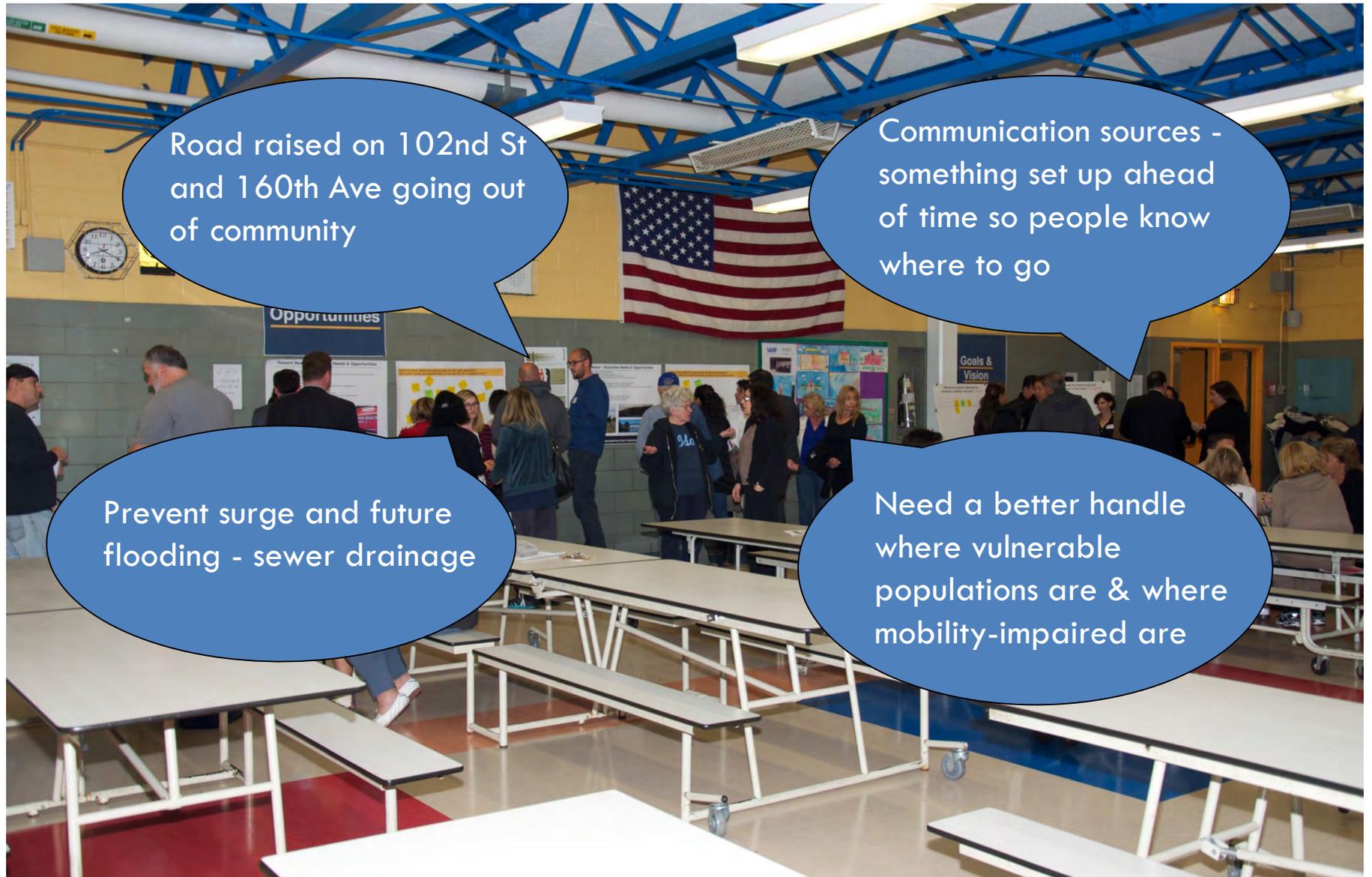
Public Input

Plan Steps and Major Milestones

Meeting objectives



Public Meeting #1 – Examples from What We Heard



Representative Strategies

Infrastructure:

- Develop a protection strategy for local power stations
- Increase access to isolated sections of the community – especially Hamilton Beach
- Raise low-lying streets

Natural and Cultural

- Protect the edge

Health and Social Services

- Expand healthcare and social infrastructure to support the community's senior population
- Build dual- or multi-purpose service center(s)
- Enhance the resiliency of the NYPD Harbor Unit facility and the West Hamilton Beach Volunteer Fire Department

Economic

- Protect commercial areas and corridors, such as Cross Bay Boulevard and Lindenwood commercial area
- Surge protection for Coleman Square
- Training and communication programs around rebuilding program and financing options

Housing

- Project: Low-cost financing to help residents fund housing resiliency improvements

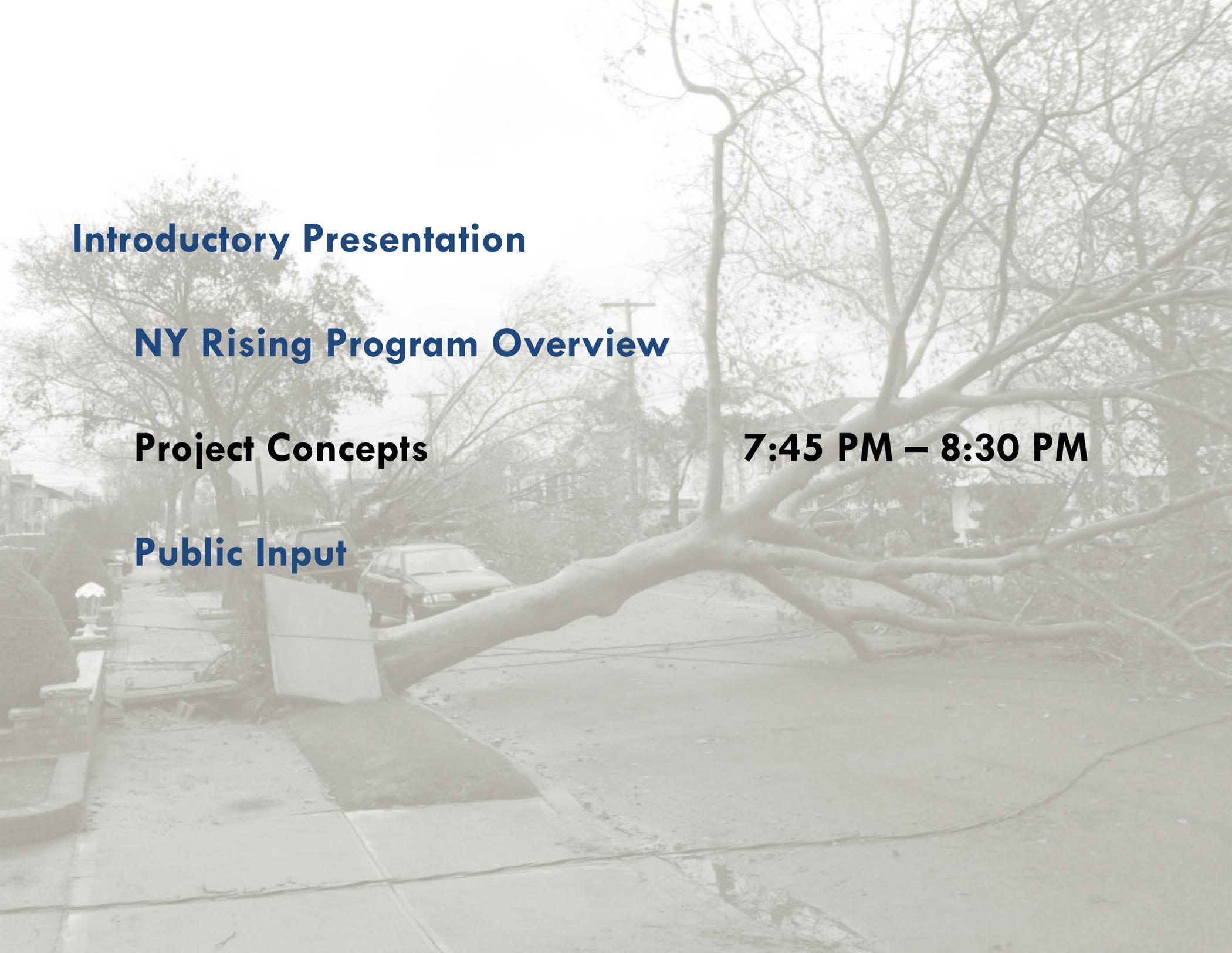
Howard Beach Community Reconstruction

Conceptual Plan
October 28, 2013

Posted on NY Rising website:

<http://stormrecovery.ny.gov/nycrc/community/new-howard-beach-and-old-howard-beach>





Introductory Presentation

NY Rising Program Overview

Project Concepts

7:45 PM – 8:30 PM

Public Input

Diverse funding sources to be considered in the planning process

NY Rising Community Reconstruction Program Funds:

Howard Beach: up to \$18.4 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, Cost-Effective Financing of Critical Projects
- 7) Best Infrastructure Investments with Multiple Co-Benefits
- 8) Best Approach to Resilient Economic Growth

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



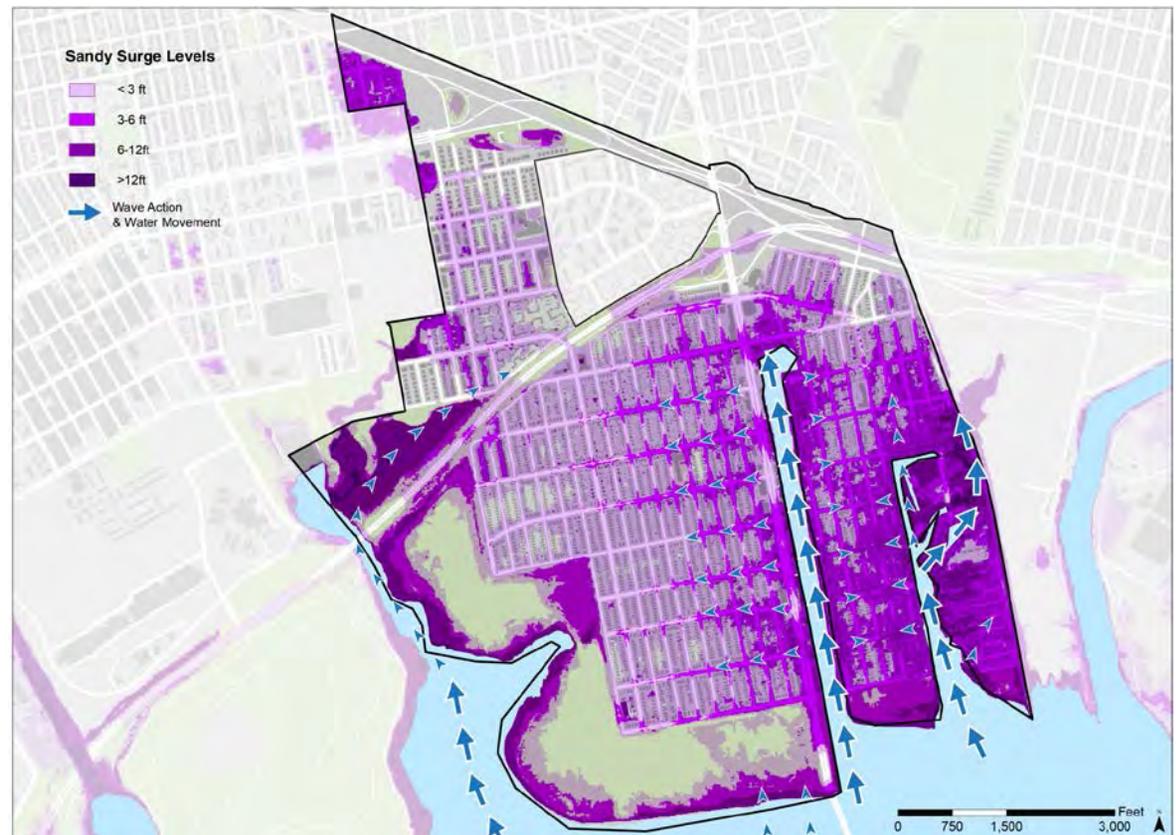
Natural &
Cultural Resources



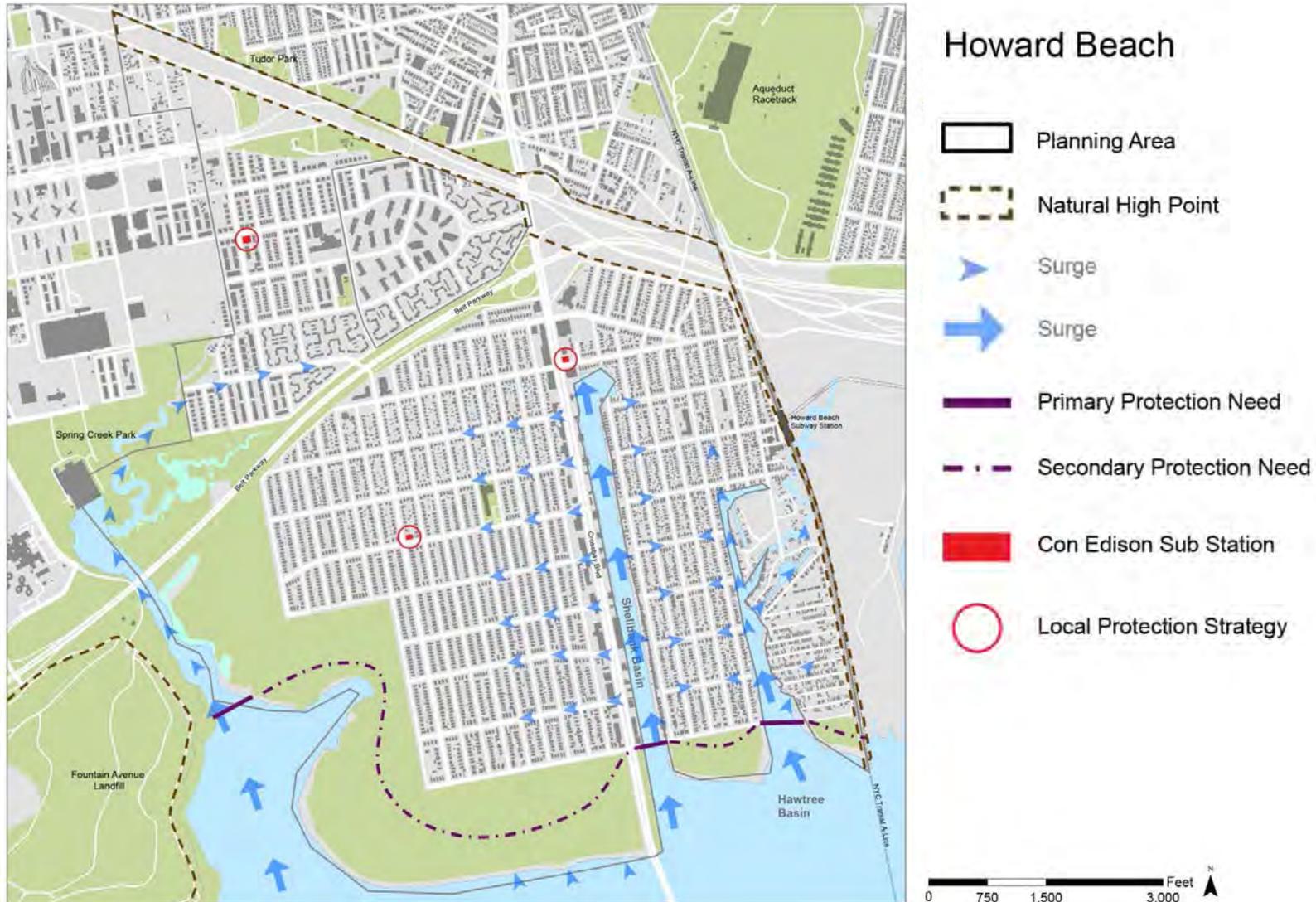
Preparing and Strengthening for the Future

Howard Beach community reconstruction plan is focusing on multiple key issues in order to protect our homes, businesses and community

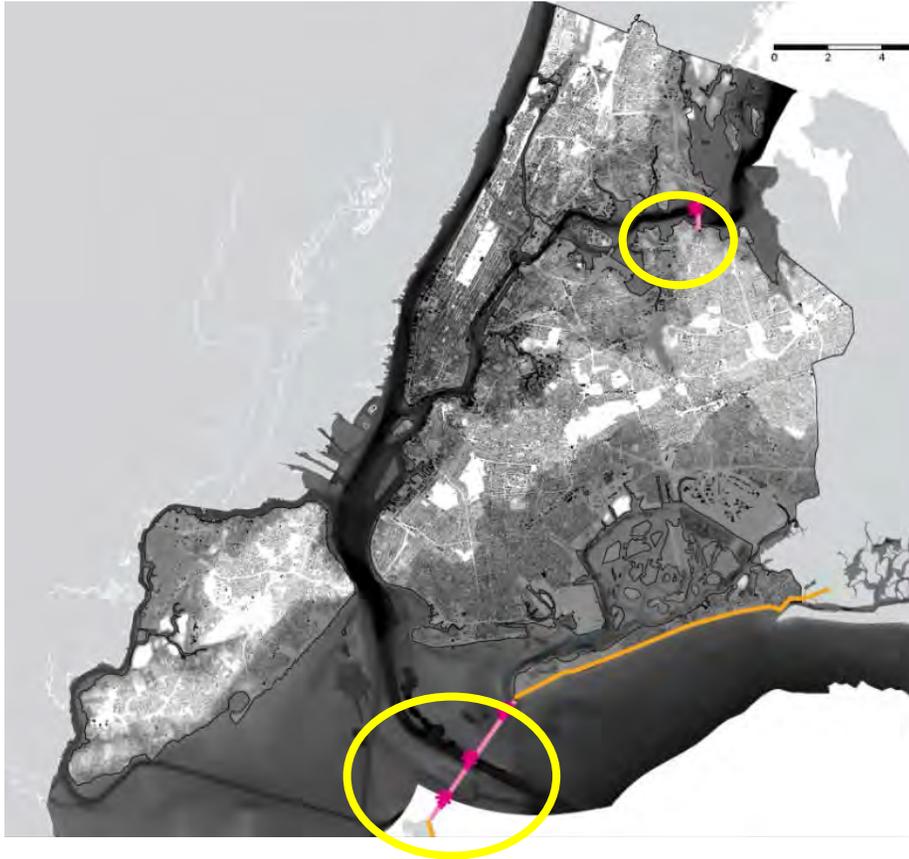
- Surge Protection to Safeguard Critical Assets, Including Power Supply
- Identify Solutions for Stopping Sewer Back-up
- Strategies to Create Better Access to Isolated Communities
- Capacity Building Study to Better Understand and Protect Senior and Disabled Populations



Protection to Safeguard Critical Assets, Including Power Supply



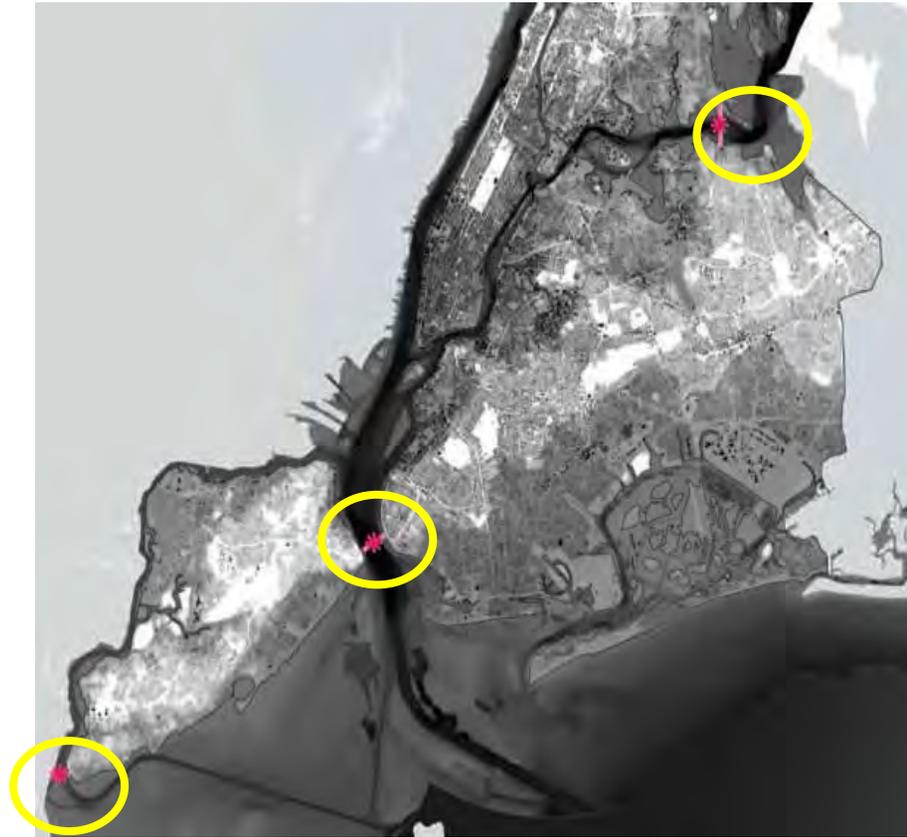
Regional Protection: City-wide surge 2 barriers



- Various options for city-wide surge barriers have been studied in the past
- Pros
 - Provides Harbor-wide protection (to a point)
- Concerns:
 - Extremely expensive: \$20-25 Billion to construct with ongoing maintenance costs

Sandy-hook to rockaway surge barrier
(including connecting levees / walls in NY
and NJ) + Surge Barrier at Throgs Neck

Regional Surge Protection: City-wide surge 3 barriers



Consisting of closure gates at the Narrows, the Arthur Kill, and the upper reaches of the East River

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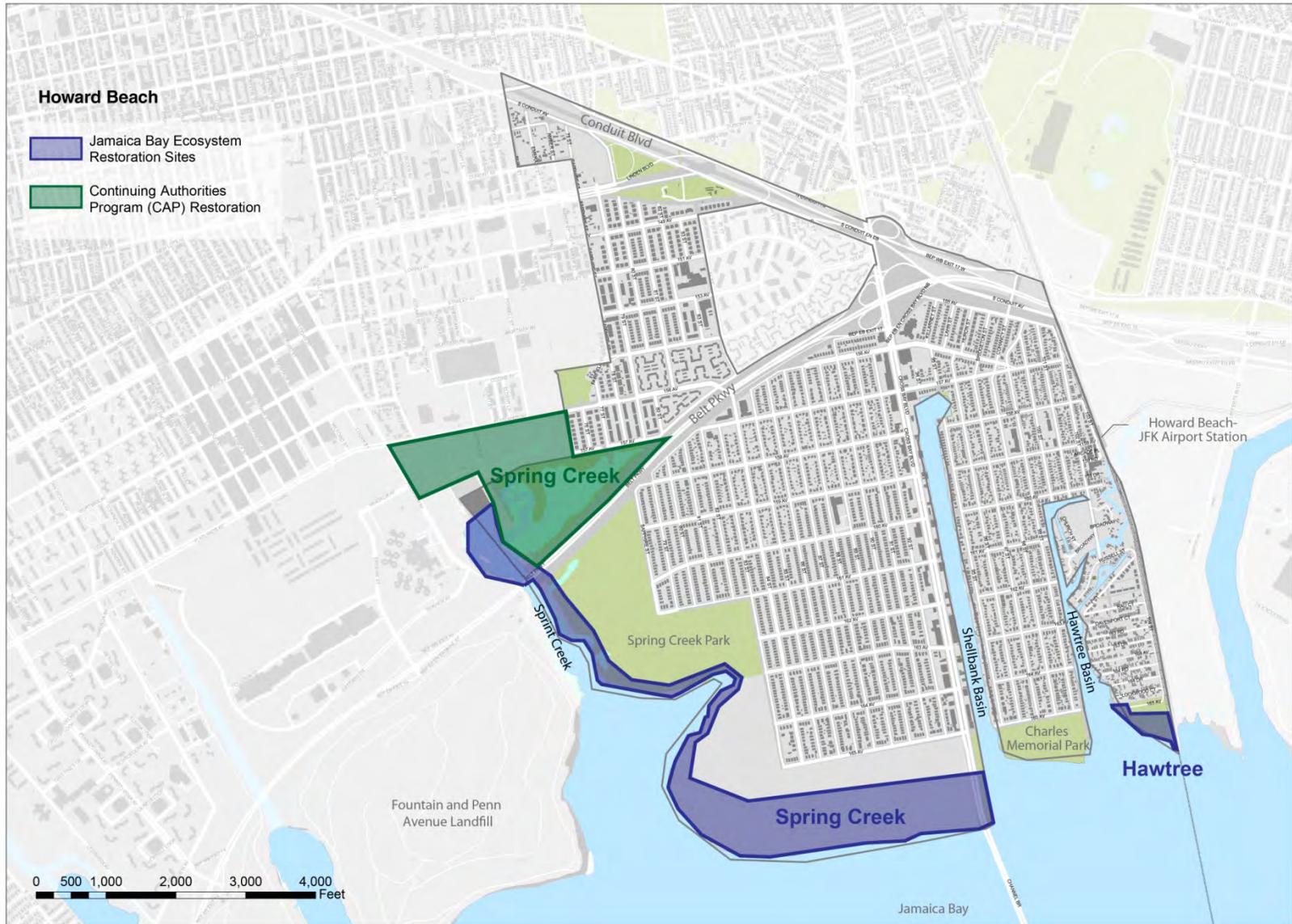
Regional Surge Protection: Jamaica Bay Surge Barrier



NYC “A Stronger, More Resilient New York” Comprehensive Coastal Protection Plan

“A Stronger, More Resilient New York” South Queens Initiative #1:
“Call for USACE to develop an implementation plan to mitigate inundation risks through Rockaway Inlet, exploring Surge Barrier and alternative measures”

Proposed Restoration Projects



Local Surge Protection: Attenuate Wave Action



Local Surge Protection: Howard Beach Storm Barriers



Temporary Barriers



Lourdes Hospital
SAVED
Binghamton, NY
September 2011



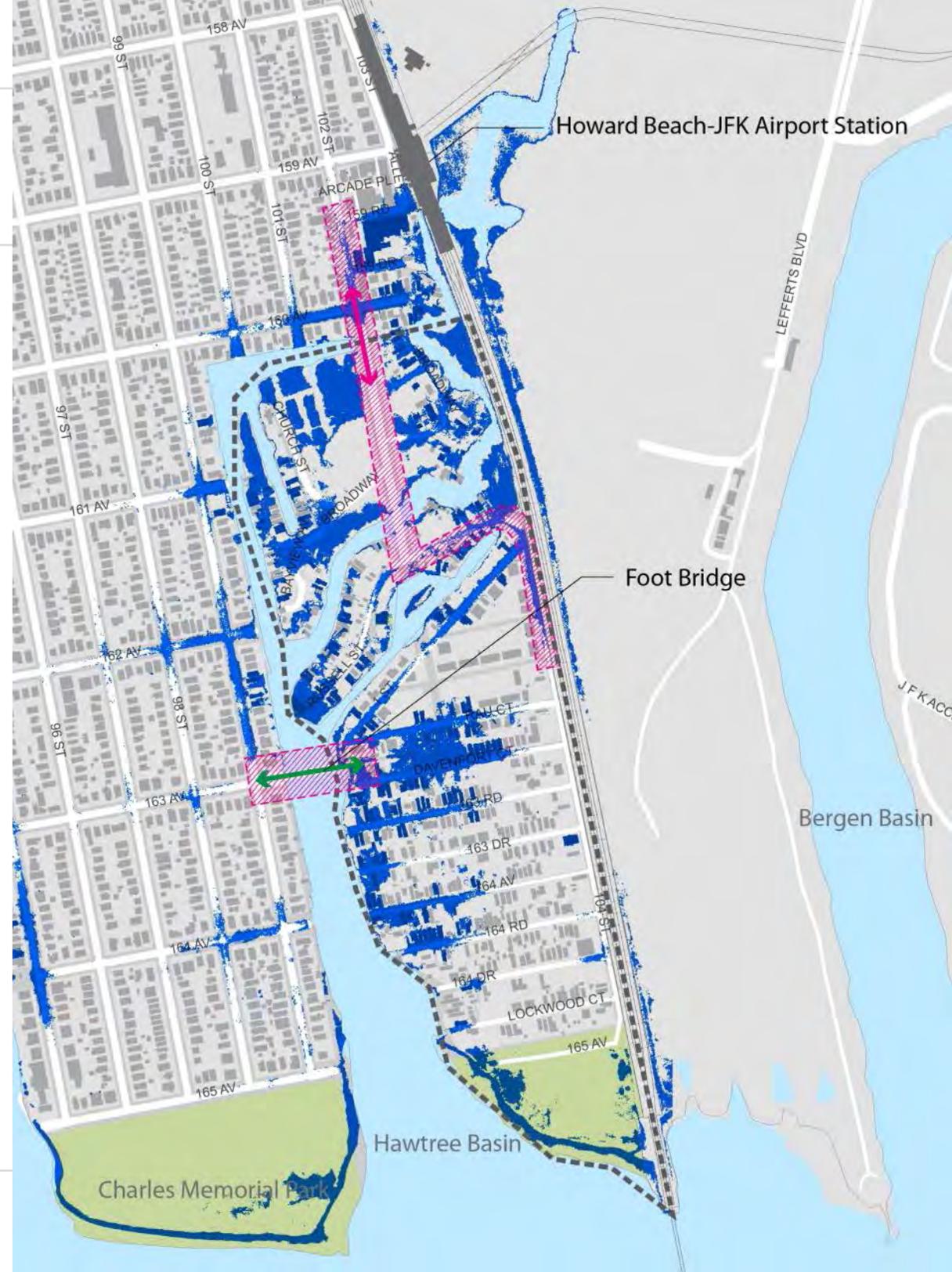
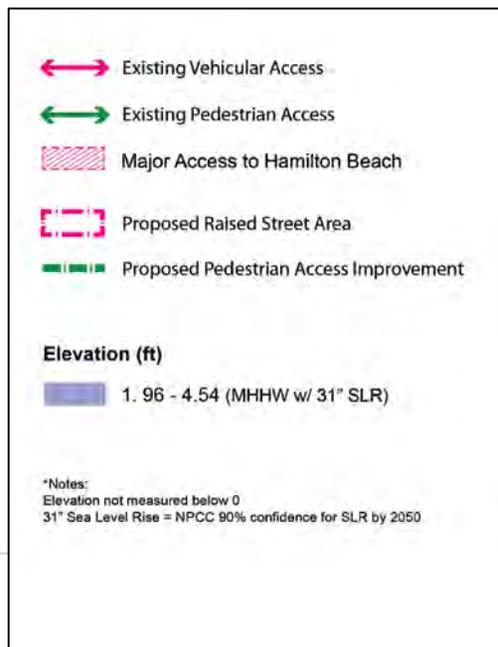
Existing Access to Hamilton Beach



Access Vulnerability

Hamilton Beach is a low-lying area with limited access

- Much of Hamilton Beach lies below the Mean High Water mark under future sea level rise conditions



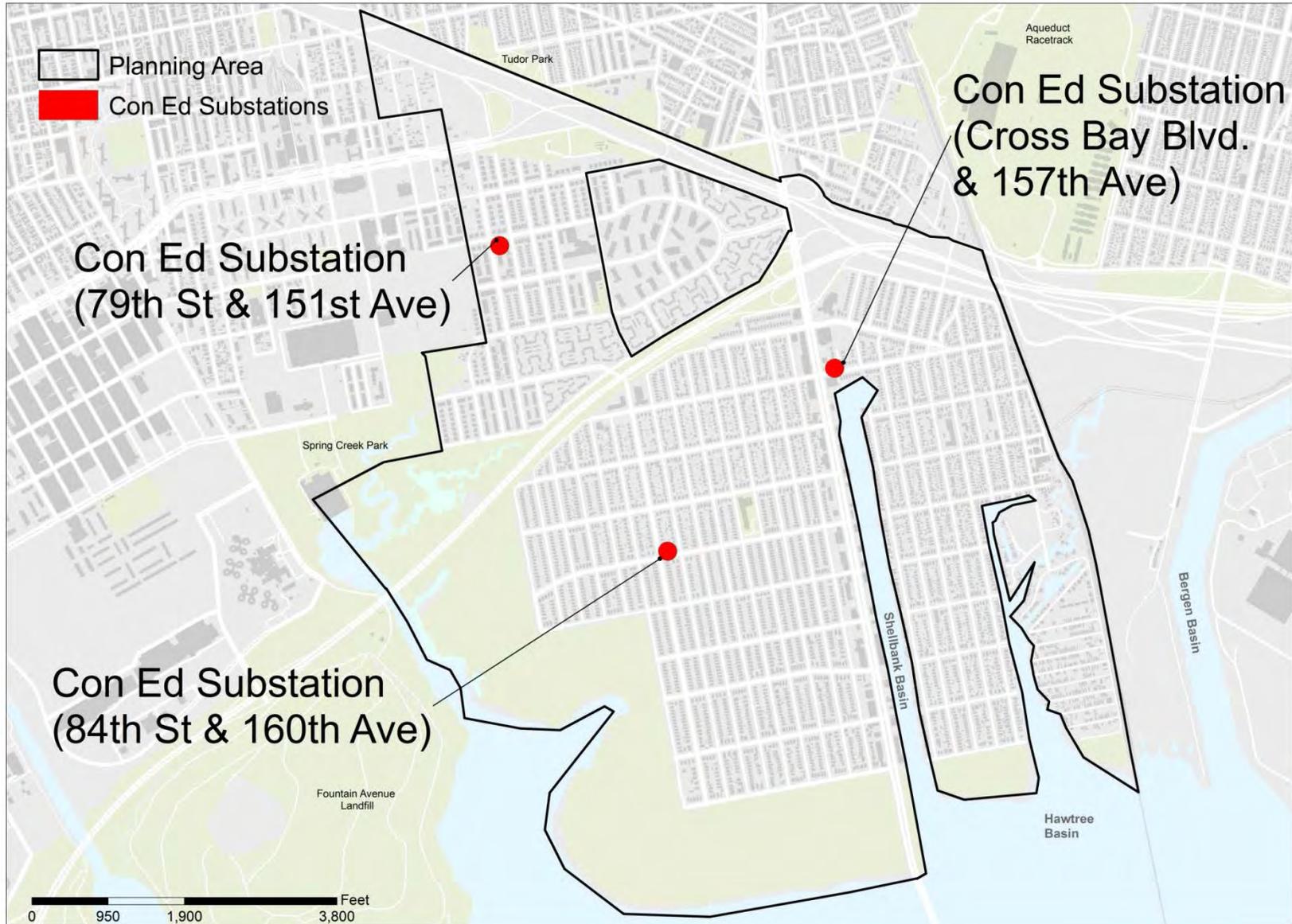
Improve Access to vulnerable locations

Projects to increase access to isolated areas of the community

- Elevate low points on access route into Hamilton Beach
- Extend Howard Beach/JFK AirTrain station platform
- Widen 163rd Street footbridge
- Create new pedestrian access across Hawtree Basin (integrated with protection)



Protect Our Power Sources



Protect Our Power Sources



Typical tiger dam construction

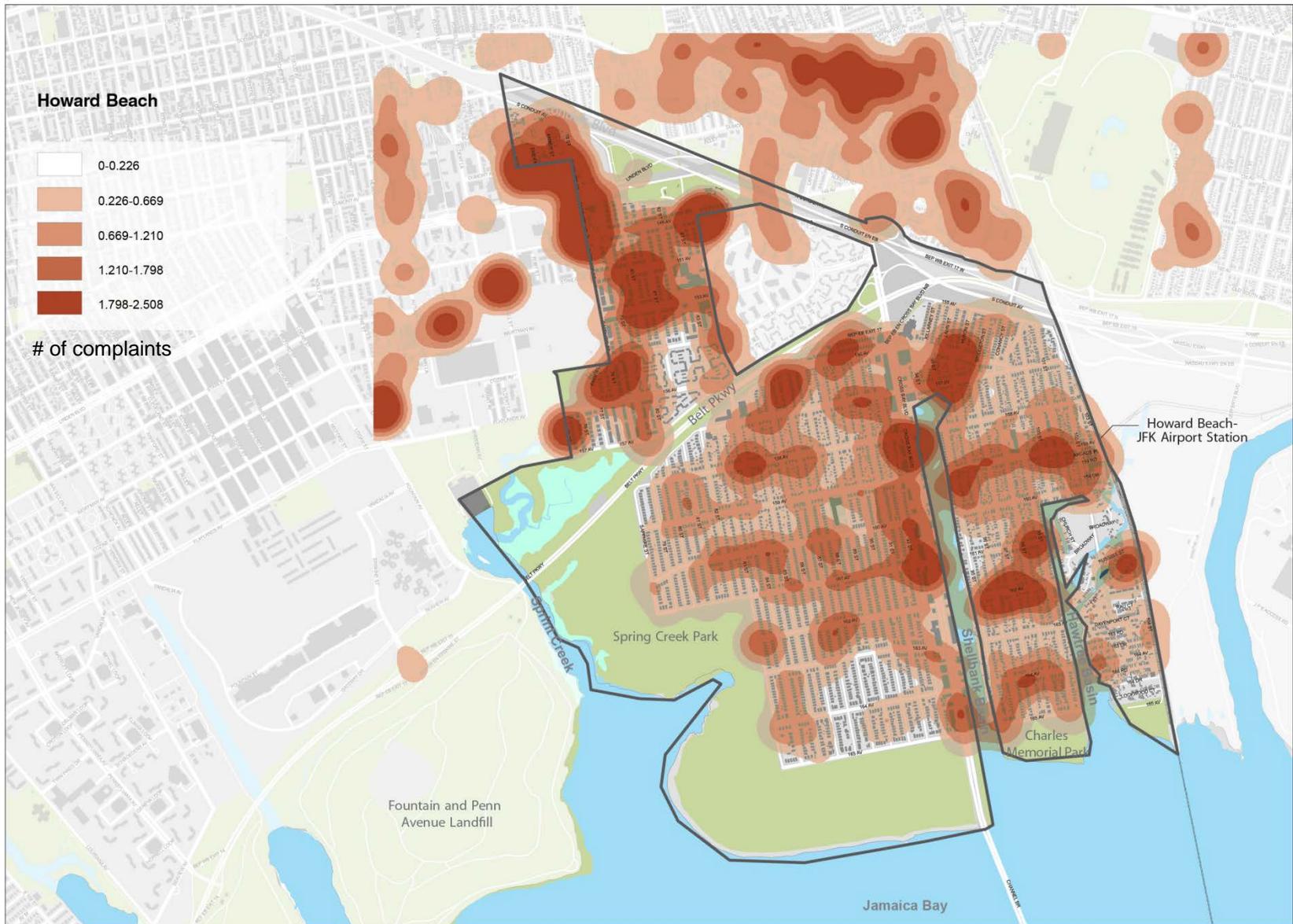
Source: <http://www.tigerdams.com.au/>



ConEdison sub station located at 84th St and 150th Ave

- All Howard Beach substations are in the flood plain areas
- ConEdison has procured temporary water barriers (Tiger Dam) that can be deployed prior to a storm
- ConEdison is also making additional cosmetic improvements to its substation sites in Howard Beach

Street Flooding Complaints from 311 Data from 2010 - 2013



Sewer System - Status Update



Howard Beach Pumping Station

Recommended Adaptation Strategy:

Construct Barrier

Adaptation Cost:

\$8,165,000



Jamaica Wastewater Treatment Plant

Use sandbags along the substation to minimize service disruptions in Queens during flood events, reduce sewage bypasses, and protect public health

Community Preparedness

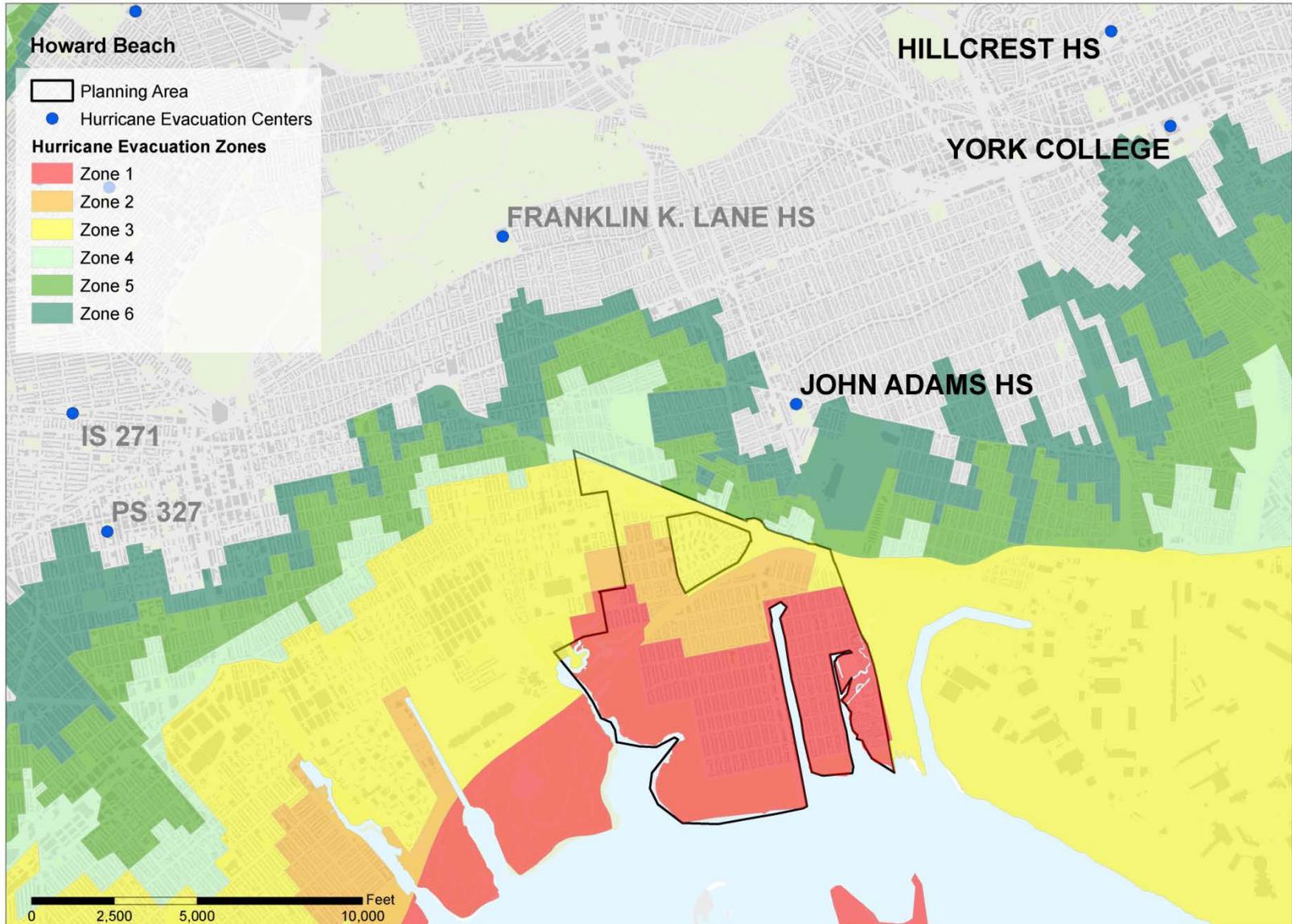
The next set of projects better prepare our community for any natural disaster in the future:

1. Individual readiness
2. Mitigation strategies for future damage to homes
3. Strengthen our business corridors
4. Protect vulnerable populations
5. Develop a multi-purpose center

Educate the public about evacuation center, route awareness, and individual readiness plan



Provide education to public about evacuation center location, route awareness, and individual readiness planning



Provide education to public about evacuation center location, route awareness, and individual readiness planning



John Adams HS (101-01 Rockaway Blvd)



York College (94-20 Guy R Brewer Blvd)



Hillcrest HS (160-05 Highland Ave)

Mitigation strategies for damage to homes

Short term ideas:

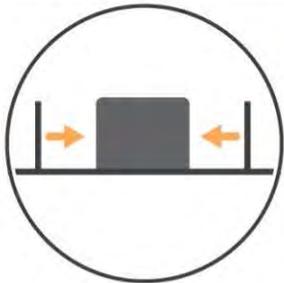
1. Develop brochure with tips and check-off list of mitigation strategies specific to Howard Beach housing stock
2. Experts available at no or low cost to visit and assess individual's homes for appropriate mitigation strategies
3. A program that could provide assistance to property owners to implement those strategies



Commercial resiliency approaches

Design Approaches

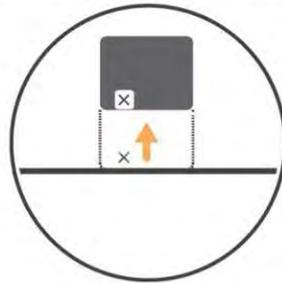
PROTECT



Verizon Building Deployable Floodwall-New York City

Business can layer in additional protection for the building envelope and interior. This can take the form of a deployable flood wall around buildings, or other measures that work with the facade, interior, or structure of the building. Verizon has installed such a system at its headquarters in Lower Manhattan.

ELEVATE

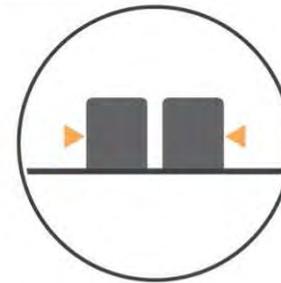


Pier Village-Long Branch, NJ

Pier Village, a recent mixed-use development on the Jersey Shore, fared very well during Sandy. It features a dense mix of buildings set above the 100 year floodplain elevation, so that most of the rentable space is safely elevated.

A common retrofit elevating strategy would be to elevate building mechanical systems and utilities, which are commonly found in basement and/or first floor location, above the flood elevation.

CONNECT



Harbor Point-Stamford, CT

Infill development helps to “fill in the gaps,” making it easier to offer continuous protection for businesses. Creating density of retail increases the amount of services available to residents after storms and increase land values that can make protection strategies more feasible.

Harbor Point in Stamford, CT redeveloped waterfront industrial into mixed-use residential, transforming a largely vacant area into a high-value transit oriented development.

Commercial resiliency approaches

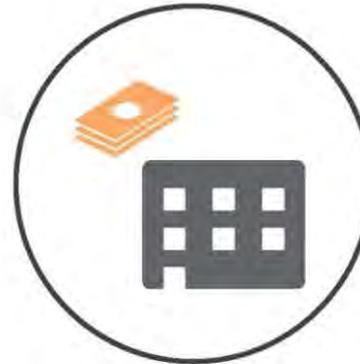
Implementation Approaches



MANAGE

Manage

Coordination among business owners allows for the implementation of flood protection and recovery after the storm.



INCENTIVIZE

Finance

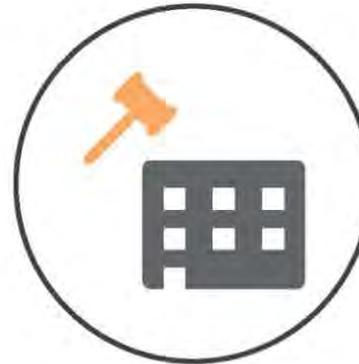
When grants aren't an option, the availability of low-cost loans can help spread the cost of improvements over the course of many years, making the investment feasible to the business owner.



FINANCE

Incentivize

Grants can be made to the businesses for improvements directly, allowing for the fast adoption of strategies where they are most needed.



REGULATE

Regulate

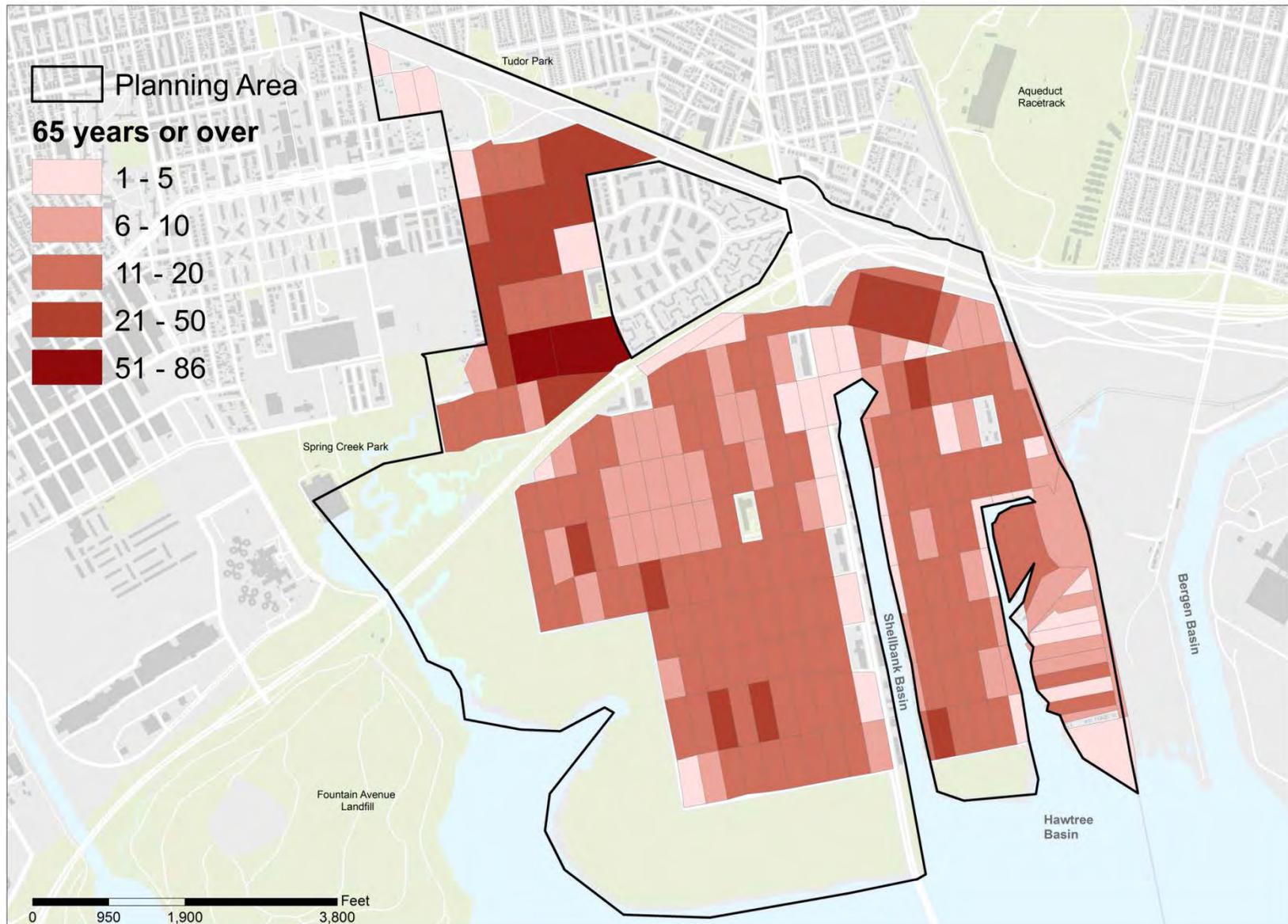
Regulations can help decide what can be built and how it can be built. In certain conditions, regulations can mitigate what is at risk, or help to make sure that recovery is made easier by removing obstacles.

Strengthen our business corridors

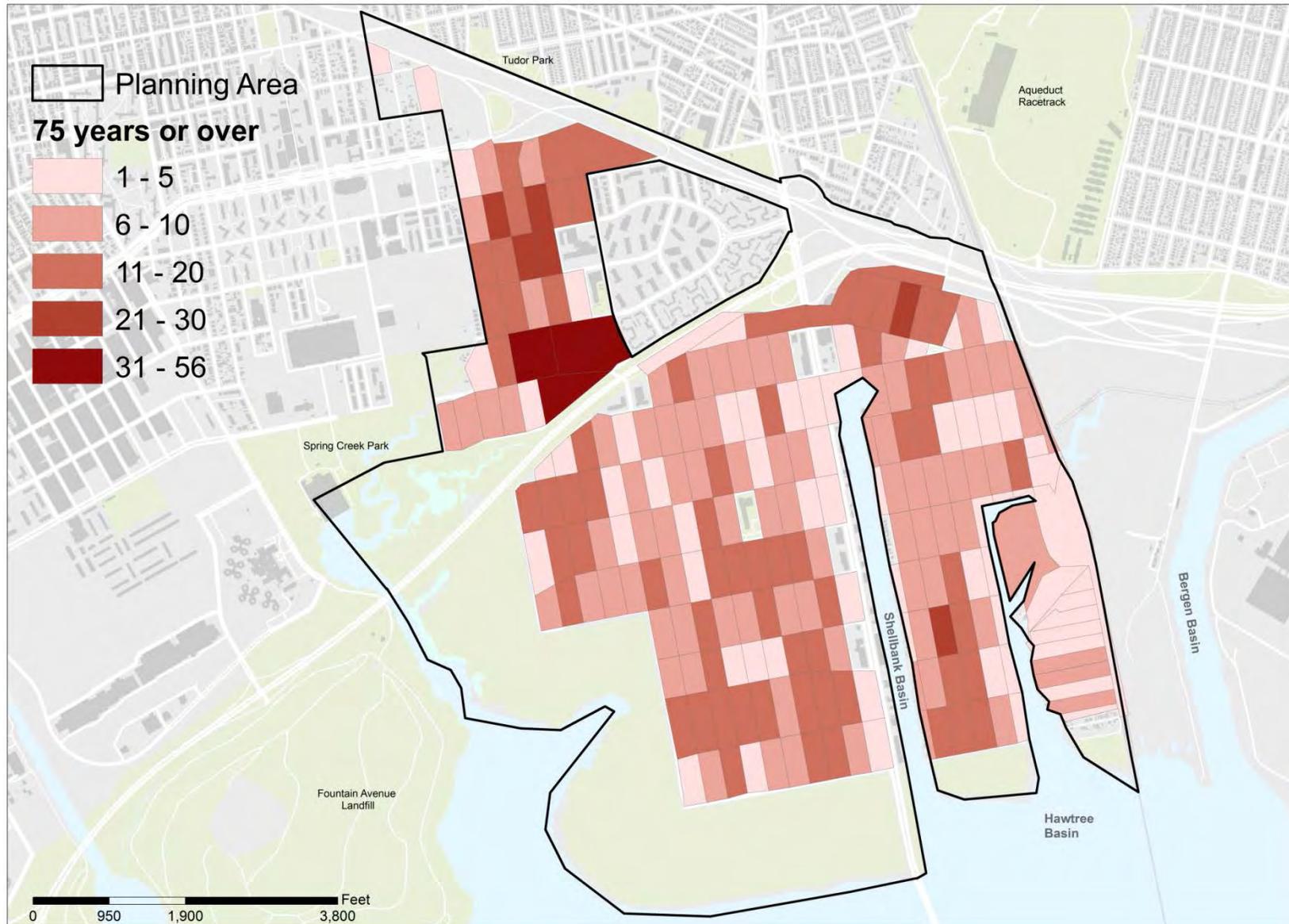
Steps for prevention

- Back flow prevention
- Generators
- Hurricane doors
- Possibility of collaborating with local Queens Company for emergency solar power..

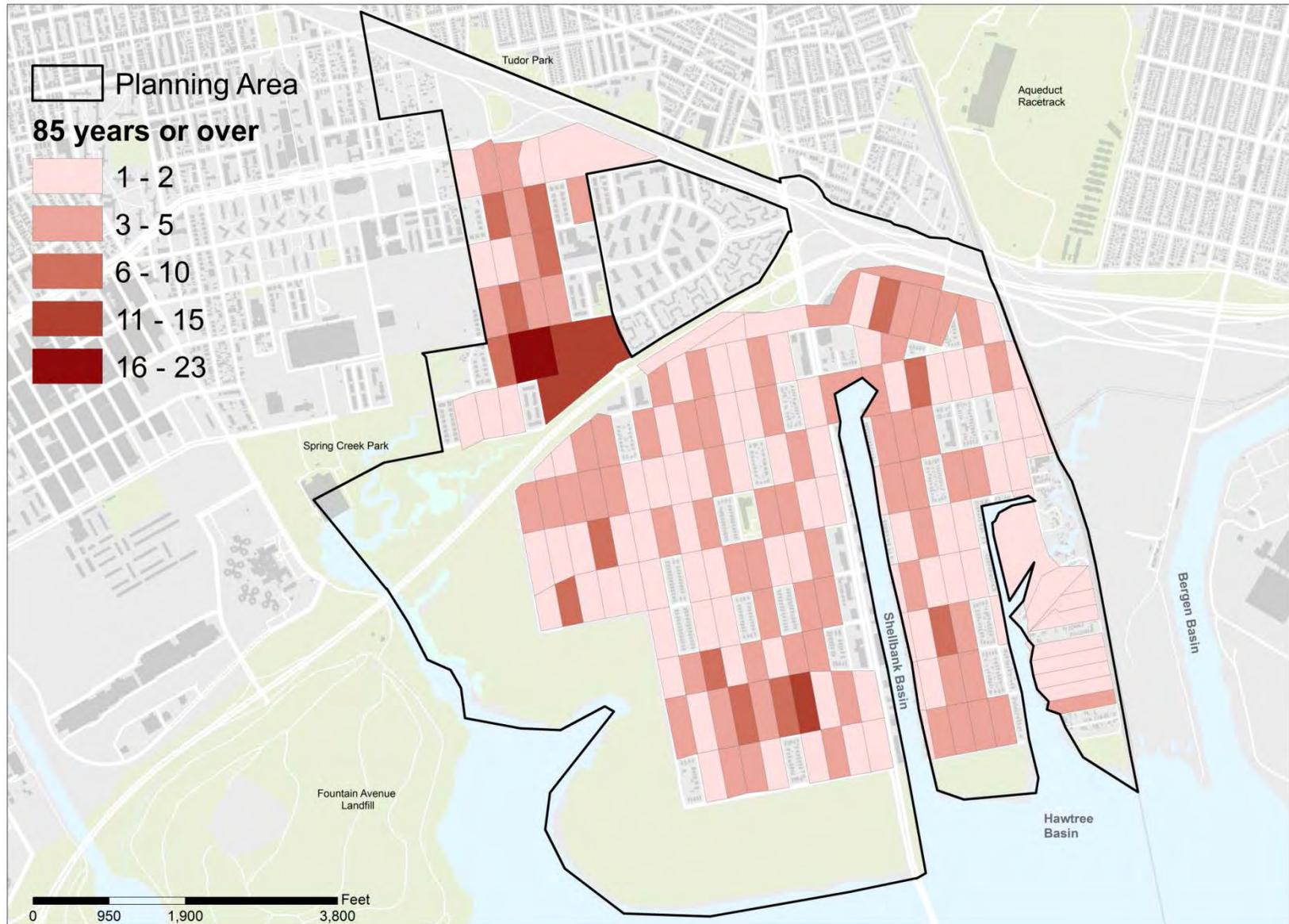
Senior – Statistics – 65 or older per block



Senior – Statistics – 75 or older per block



Senior – Statistics – 85 or older per block



Learning More About Our Vulnerable Populations

Short Term Strategies

- Need to identify where in the community the vulnerable resides
- Learn about their needs
- Provide strengthened services within our community



Photo Credit: U.S. Census Bureau, Public Information Office (PIO)



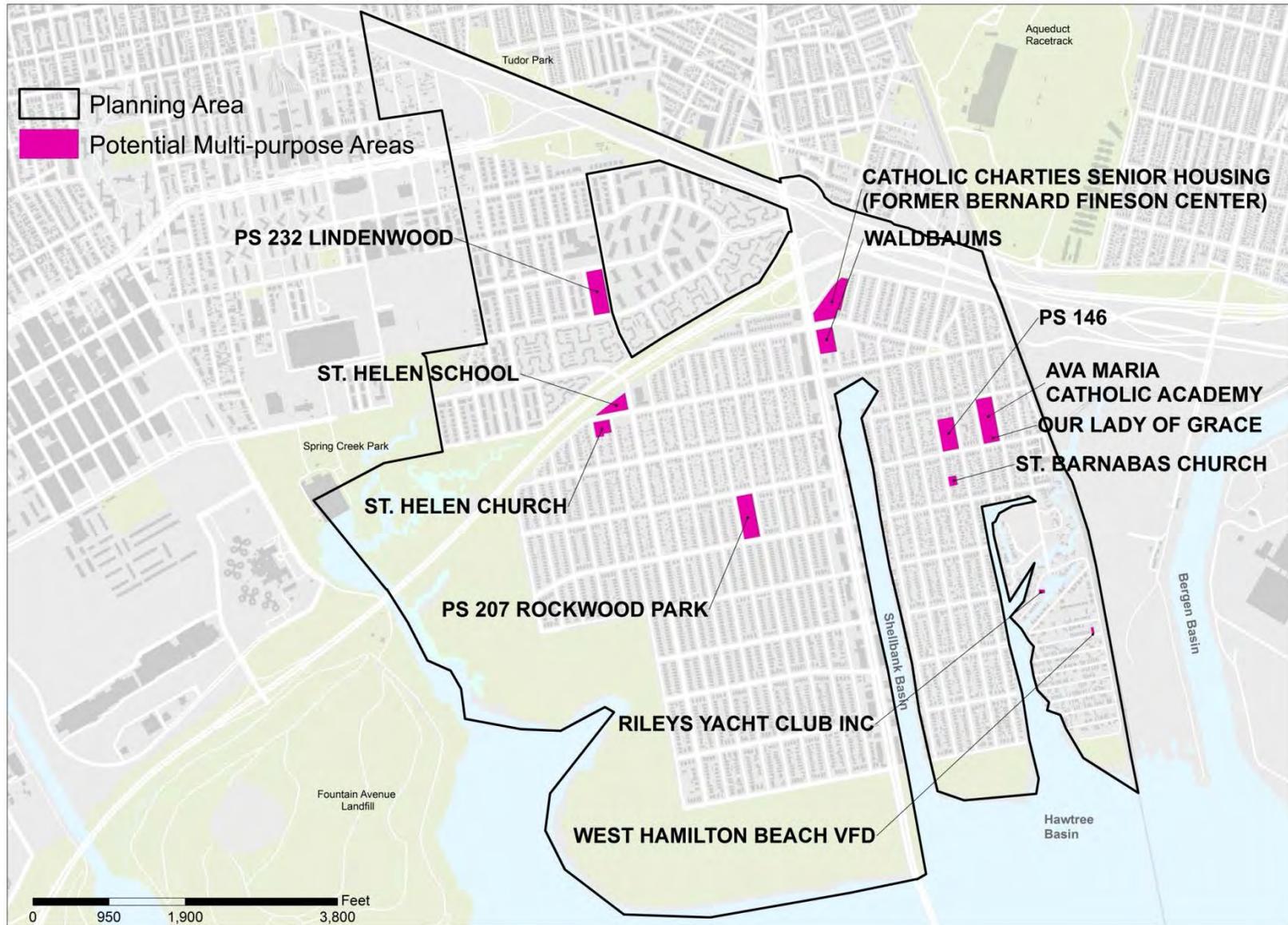
Photo Credit: New York City Parks Department

Develop/establish a multi-purpose center or community hub

After Sandy people sought out basic essentials:

1. Food
2. Clothing
3. Electricity
4. Heat
5. Gas
6. Information

Protect Our Vulnerable Populations



Emergency Response Center Services

- Volunteer Assembly
- City/State/Federal Supplies
- Electrical Charging Station
- Fuel Truck – Other Necessity Parking
- Food Storage and Distribution (to other centers and to public)
- Information Center
- Other Recovery Functions

What did you need after Sandy?

Howard Beach – Preliminary Projects

INFRASTRUCTURE - NATURAL + CULTURAL

- Citywide/Jamaica Bay Regional Protection Strategy
- Local Wave Attenuation Strategy
- Local and/or Temporary Surge Protection Strategy
- Additional Protection for local Electrical Substations
- Extend Howard Beach JFK AirTrain platform
- Raise low-lying street access to Hamilton Beach
- Develop a strategy to stop sewer back-ups (beyond City efforts to protect local pump station)

HOUSING – HEALTH + SOCIAL – ECONOMIC

- Develop brochure with mitigation strategies specific to Howard Beach housing stock
- Provide experts to visit individual homes to recommend appropriate mitigation measures
- Develop and fund a program to implement home resilience projects
- Develop short-term business resiliency strategies
- Develop long-term resiliency strategies for business corridors
- Develop an approach for data gathering for vulnerable populations
- Develop an emergency/recovery center to support the existing network of Howard Beach community centers

A group of people are seated around a large conference table in a meeting room. They appear to be in a discussion or presentation. The room has a drop ceiling with recessed lights. The image is overlaid with a semi-transparent white filter.

Introductory Presentation

NY Rising Program Overview

Project Concepts

Public Input

8:30 PM – 9:00 PM

Ongoing Public Feedback

Feedback Cards (*tonight*)

3 Additional Community Meetings

Website: stormrecovery.ny.gov/community-reconstruction-program

Email: info@stormrecovery.ny.gov

Continue to share your thoughts online!

<http://howardbeach.nyrisingmap.org/>

NY Rising: Howard Beach WHAT TO DO

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

Asset categories:

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

Comments on the whole neighborhood

- Someone commented on Residential
- Someone commented on Residential
- NY Rising Team commented on GATEWAY NATIONAL RECREATION AREA
- NY Rising Team left a neighborhood comment
- NY Rising Team left a neighborhood comment
- Someone left a neighborhood comment
- Someone left a neighborhood comment
- JR left a neighborhood comment
- Someone left a neighborhood comment
- Someone left a neighborhood comment
- Maryann J left a neighborhood comment
- Pete B left a neighborhood comment

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My home is my asset

Offer buyouts to those that want them

Coastal Protection is the main issue

Need a seawall

Give homeowners grants to finish fixing their homes

This is Senator Addabbo's office where relief station was located and a place where information can be disseminated.

Spread the Word!



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