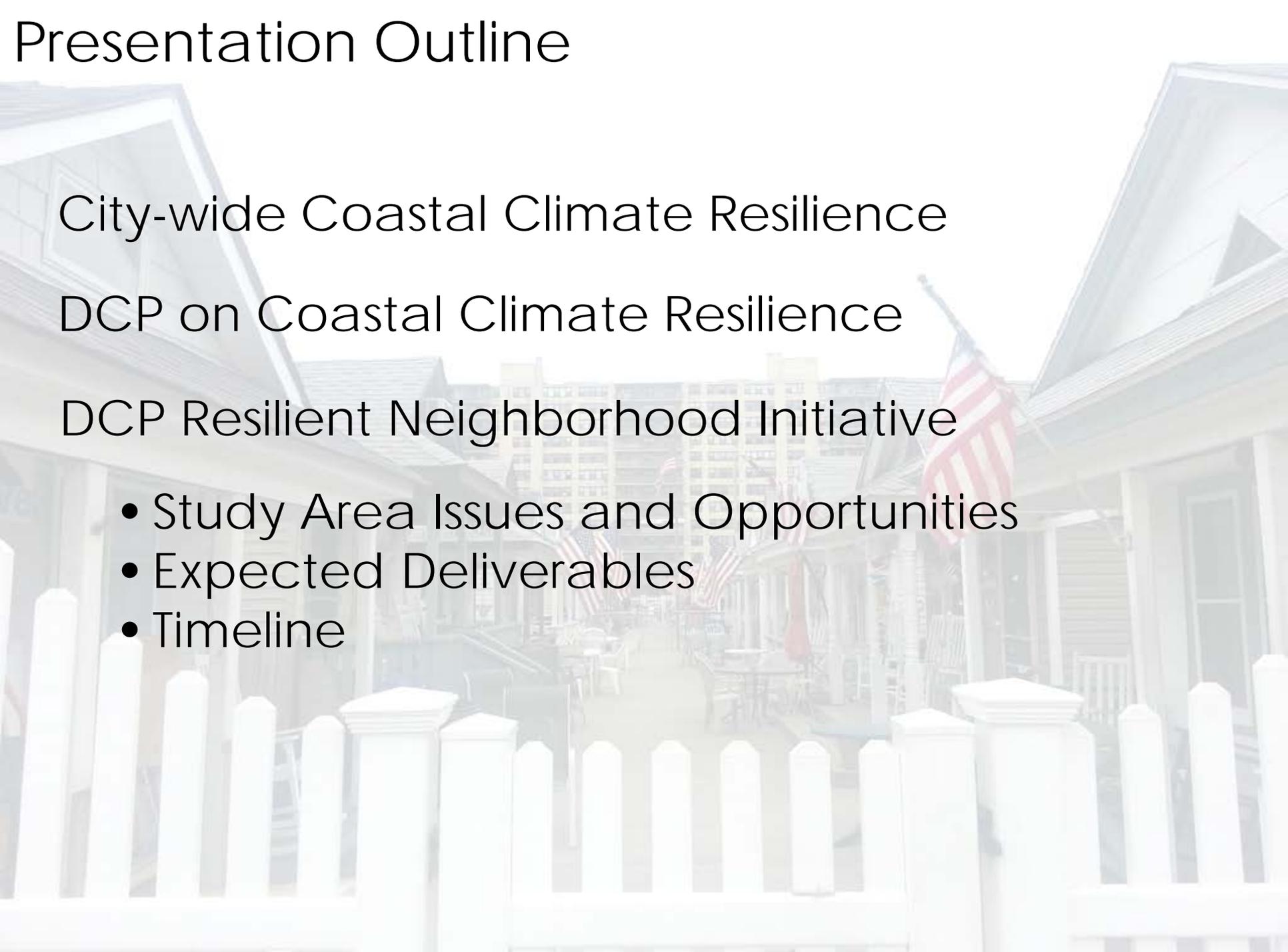


RESILIENT NEIGHBORHOODS INITIATIVE

South Queens:
Rockaway Park and
Rockaway Beach



Presentation Outline

The background of the slide is a faded, light-colored photograph of a residential street. In the foreground, a white picket fence runs across the bottom. Behind the fence, there are several houses with gabled roofs and porches. American flags are visible on poles in front of some of the houses. The overall scene is bright and somewhat overexposed, giving it a clean, professional appearance.

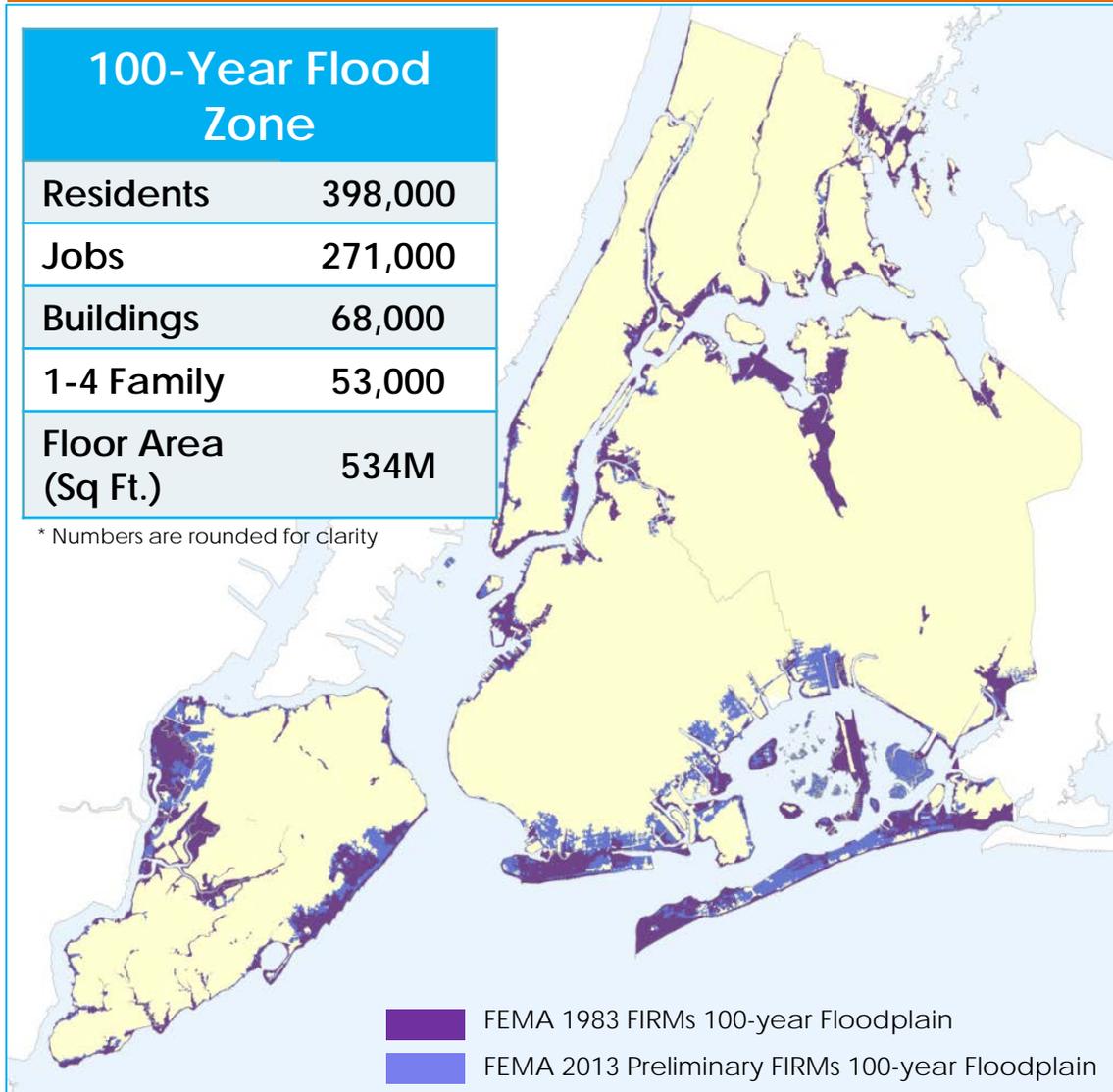
City-wide Coastal Climate Resilience

DCP on Coastal Climate Resilience

DCP Resilient Neighborhood Initiative

- Study Area Issues and Opportunities
- Expected Deliverables
- Timeline

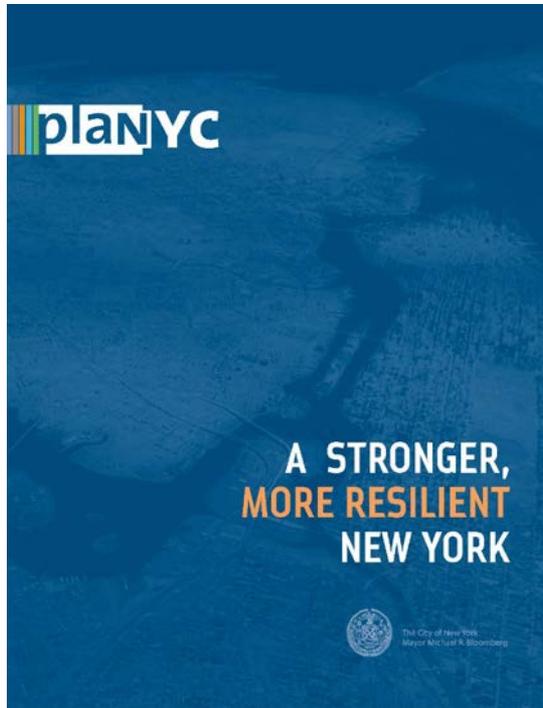
NYC Resiliency Challenges



- Wholesale retreat is not an option for NYC.
- A lesson from Sandy: Buildings can be protected if built to contemporary code standards.
- Changes to flood maps and the National Flood Insurance Program pose an additional economic challenge.
- NYC is taking a multilayered approach to resiliency, or the ability to withstand a recover from a storm.

A Stronger, More Resilient New York

The City's plan to build resiliency and make all New Yorkers safer is a multi-layered approach that is ambitious, achievable, and based on the best available science.



Strengthen coastal defenses

- Complete existing USACE coastal risk reduction projects
- Expand natural protections and other innovative measures

Upgrade buildings

- Amend the building code to strengthen new construction
- Incent investments in existing buildings

Protect infrastructure and services

- Harden critical assets and supply chains
- Expand natural infrastructure systems

Make neighborhoods safer and more vibrant

- Advocate for flood insurance affordability
- Address underlying challenges during the rebuilding process

The City's 257 initiatives comprise **a strategic plan** to reduce the risk of extreme weather and climate change. This innovative plan includes funding, an implementation schedule, and **can be achieved over the next ten years.**

A Stronger, More Resilient New York – Key Initiatives in South Queens



Call on and work with the USACE to complete existing studies and implement coastal protection project

Address affordability issues related to reform of the National Flood Insurance Program and define mitigation measures that are feasible in an urban environment

Study and implement zoning changes to encourage retrofits of existing buildings and construction of new resilient buildings

Develop a comprehensive revitalization plans for commercial corridors



Conceptual rendering of Beach 116th Street



City-wide Flood Resilience Text Amendment

Issue: Zoning can hinder construction and retrofitting to new flood protection standards.

Response: Enable new and existing buildings to comply with latest FEMA flood elevations and remove other zoning impediments, while alleviating the potential for negative effects on the streetscape.

Timing: Initial changes adopted Oct. 2013; Update entering public review Fall 2015



Resilience Strategies for NYC Building Types

Issue: Little existing guidance for effective strategies for retrofitting and reconstruction of a wide range of existing NYC building types

Response: Compile best practices guide

Timing: Initial guide for retrofit options anticipated Fall 2014 with further analysis to inform ongoing efforts on rebuilding and insurance affordability



Resilient Retail

Issue: Flood risks threaten pedestrian-oriented retail corridors, where elevation and dry floodproofing are often impractical or cost-prohibitive

Response: Identify physically and market-feasible resilience strategies

Timing: Policy recommendations anticipated by Spring 2015 with coordination ongoing with Resilient Neighborhoods study areas

Purpose

Work with communities to identify changes to zoning, land use and other actions that support the vitality of neighborhoods and help residents and businesses withstand and recover quickly from future storms and other climate events.

Make every community better than it was before Sandy.

Planning Goals

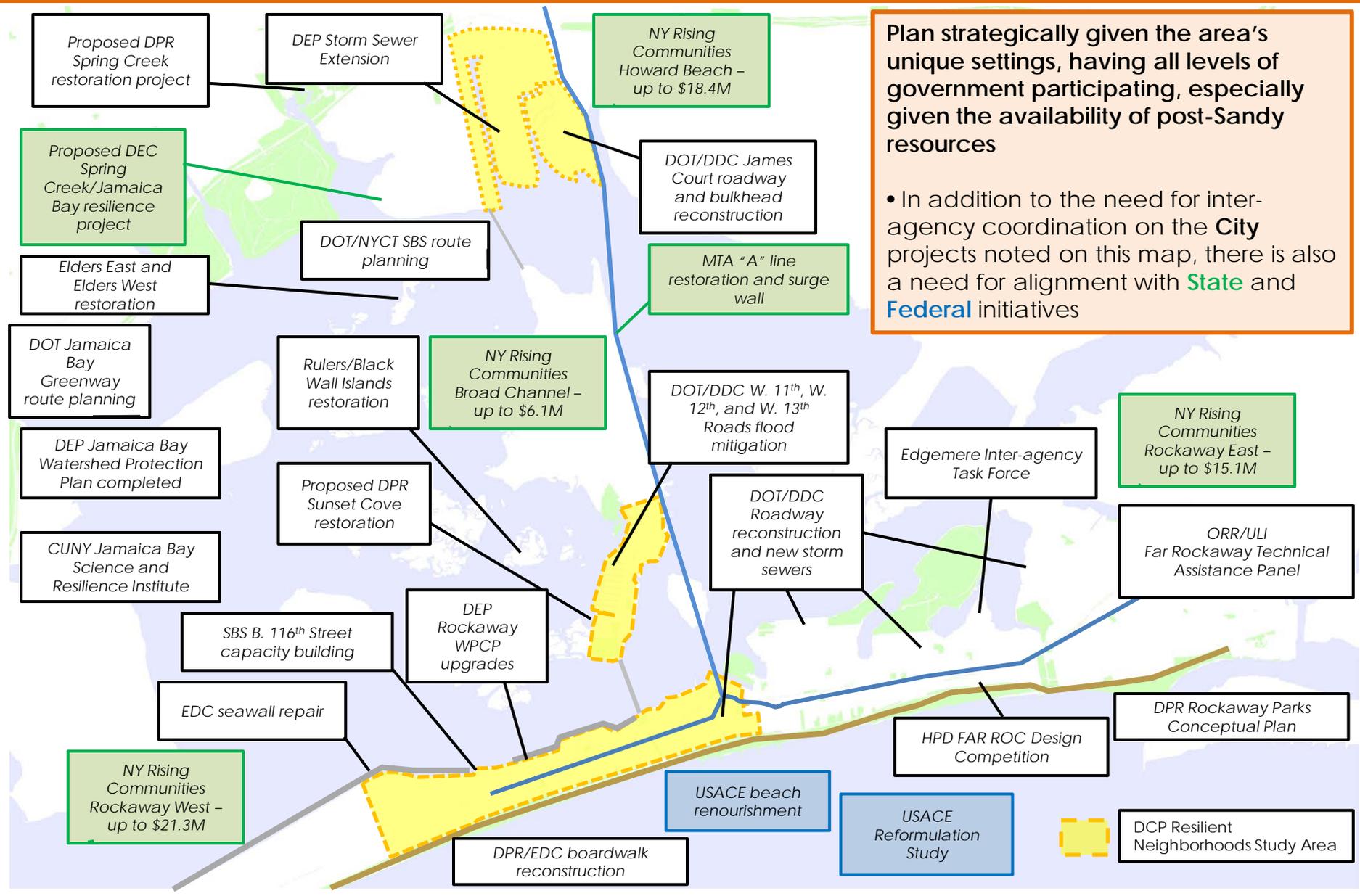
- 1 Reduce risks from natural hazards such as flooding and coastal storms.**
- 2 Foster economically and socially vibrant communities that are able to adapt to changing conditions.**
- 3 Coordinate land use planning with rebuilding activities and infrastructure investment.**

Resilient Neighborhoods Study Areas

- Neighborhoods affected by Sandy and areas with flood risk
- Unique land use and zoning issues beyond those addressed in citywide planning



COORDINATION ON KEY INITIATIVES



Plan strategically given the area's unique settings, having all levels of government participating, especially given the availability of post-Sandy resources

- In addition to the need for inter-agency coordination on the **City** projects noted on this map, there is also a need for alignment with **State** and **Federal** initiatives

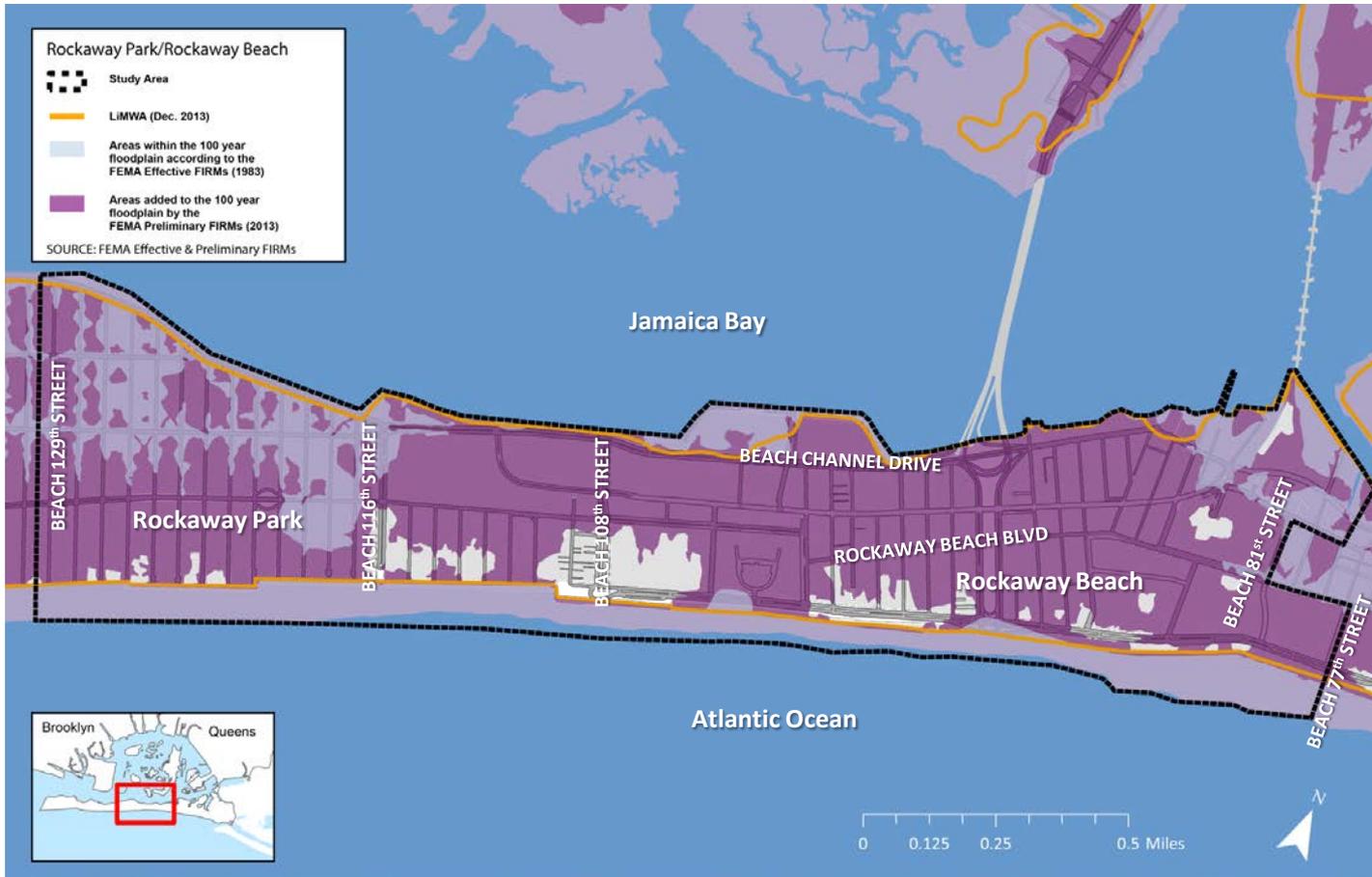
Rockaway Park and Rockaway Beach



Blocks in Study Area: 120
 Total Population in 2010: 26,113
 Number of Buildings: 1,953

© Orthophoto Base Map Copyrighted by the New York City Department of Information Technology and Telecommunications. All rights reserved

Rockaway Park and Rockaway Beach



FEMA's new preliminary flood insurance rate maps expanded the flood zone significantly

- 469 buildings within the 1983 flood zone
- 1,738 buildings within the 2013 flood zone

New, generally higher base flood elevations will require most buildings to elevate 3' to 4'

New areas added to the 1% annual chance flood zone on FEMA's Preliminary FIRM's (2013) in purple.

ROCKAWAY PARK AND ROCKAWAY BEACH - ISSUES

1. A comprehensive bayfront strategy is needed to complement recent and proposed enhancements along the oceanfront



ROCKAWAY PARK AND ROCKAWAY BEACH - ISSUES

2. Additional oceanfront resilience improvements and concessions enhancements could be accommodated to the north of the rebuilt boardwalk



Opportunity to support and build on DPR's Rockaway Parks Conceptual Plan

ROCKAWAY PARK AND ROCKAWAY BEACH - ISSUES

3. The variety of housing types in the area will require a range of adaptive strategies



Opportunity to identify resilience strategies for each housing type

ROCKAWAY PARK AND ROCKAWAY BEACH - ISSUES

4. New flood elevations present physical and economic challenges to commercial corridors



Resiliency measures at Plum Tomatoes on Beach 129th Street

Rockaway Beach Blvd at 96th Street

Rockaway Beach

Rockaway Park

Opportunity to identify strategies to promote flood-resilient retail and facilitate access

ROCKAWAY PARK AND ROCKAWAY BEACH - ISSUES

5. Recovery resources may assist with fostering redevelopment of key sites and revitalize major corridors and transit nodes



Opportunity to identify zoning changes to support economic development as part of a comprehensive commercial revitalization plan

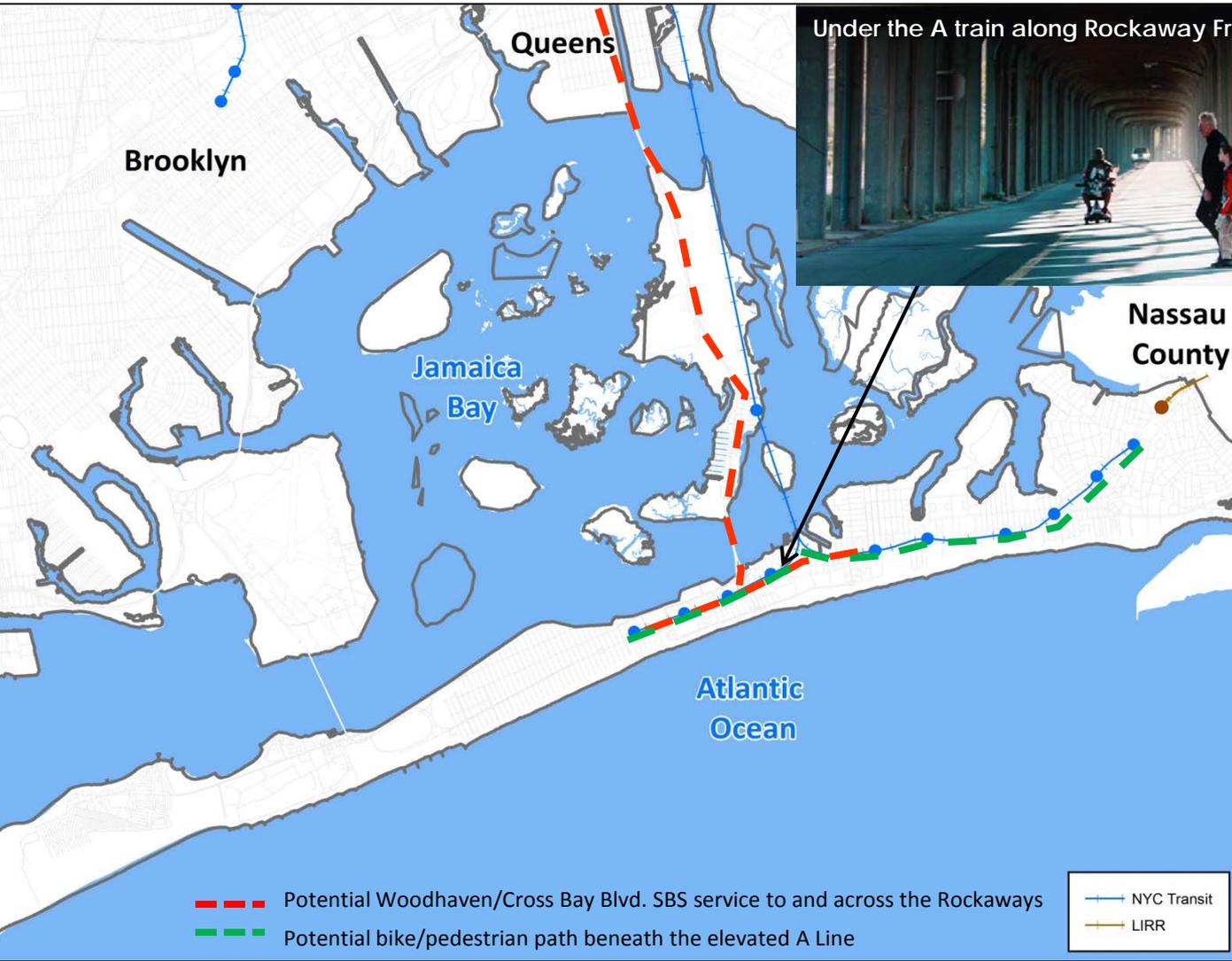
Opportunity to build on Rockaway West's NY Rising Community visioning for the National Grid site and the Rebuild by Design concept for Beach 116th Street



© Orthophoto Base Map Copyrighted by the New York City Department of Information Technology and Telecommunications. All rights reserved

ROCKAWAY PARK AND ROCKAWAY BEACH - ISSUES

6. Coordinate transportation connectivity improvements to support resilience



Opportunity to ensure new and improved transit infrastructure is integrated into a land use context

Opportunity to enhance east/west connectivity

Rockaway Park and Rockaway Beach

- Identify opportunities to promote coastal resilience and public access on the bay and oceanfront
- Analyze options for resilient building types
- Identify zoning changes needed to support redevelopment of key sites to strengthen commercial corridors
- With capital agencies, assess infrastructure needs and identify feasible options for capital improvements

This process will:

- Build on outreach from other efforts, including SIRR and NY Rising programs, recognizing the need for action
- Provide clear, concrete information to residents on potential strategies for increasing resiliency that are implementable
- Shape recommendations based on robust public outreach
- Result in the implementation of zoning changes through ULURP and plans for infrastructure improvements

TIMELINE FOR IMPLEMENTATION

- Develop plan for zoning, land use, and infrastructure opportunities and enhancements
 - Identify initial goals, issues, and opportunities
 - Data collection, analysis, and visualization
 - Refine goals, issues, and opportunities
 - Prepare draft recommendations
 - Issue report and implementation plan
 - On-going community engagement (additional committee and public meetings to be scheduled)

- Prepare Environmental and Land Use Review materials

- Implementation of zoning changes through ULURP

