Where we are now

Planning Committee Meeting 1 (9/17) Listening
Planning Committee Meeting 2 (10/2) Needs and Opportunities
Public Outreach Meeting 1 (10/8-10/9) Reviewing Needs and Opportunities
Planning Committee Meeting 3 (10/24) Review Draft Conceptual Plan
Conceptual Plan Due (10/28)
Public Meeting 2 (11/14) Present Conceptual Plan
1. What we have learned since the last meeting
   - Public Engagement Workshop
   - Agency Meetings

2. Conceptual CR Plan
   - Community Vision
   - Needs and Opportunities
   - Key Strategies
   - Potential Projects

3. Next Steps
Public Meetings

• 2 Public Engagement Workshops held on East and South Shores
• 3,000+ flyers distributed at the Staten Island Ferry, homes and schools
• Extensive use of Social Media.
• Flyers prepared in English, Spanish and Russian
• 200+ community members attended the two events
• ~60 Comment Forms completed

What we have learned since the last meeting
What We Heard: Community Assets

**Economic Resilience**
- Key Issues: Damage to homes; commercial corridors in need of assistance (Hylan Blvd., Midland Ave., Sand Lane, Tottenville SIRR Station area); transportation issues
- Potential Project Ideas: Evacuation Parking Area; New ferry service; Waterfront Village on Great Kills Harbor; Offsite data warehouses

**Health and Social Services/Socially Vulnerable Populations**
- Key Issues: Access-a-Ride shut down; auto-dependency; aging and infirm are decentralized
- Potential Project Ideas: Evacuation bus service; “Buddy System”; education programs; emergency centers; develop affordable senior housing in strategic location

What we have learned since the last meeting
What We Heard: Community Assets

**Housing**
- Key Issues: Zoning has enabled unsustainable development; Elevation of homes should be coordinated; lack of accessible emergency refuge
- Potential Project Ideas: Temporary disaster housing; Subsidies for Flood Insurance; Incentives for generators; Seawalls; Sewer enhancements

**Infrastructure**
- Key Issues: Power grid is deficient; Sewers are deficient and clog; Drainage deficient in areas; Need an Evacuation Master Plan; Fuel shortages
- Potential Project Ideas: Sewer projects (Arthur Kill Road, Midland Avenue, Hylan Blvd, Doty Avenue; Oakwood, New Dorp Beach); Elevate streets (Fr. Capodanno, Tennyson Drive); Evacuation routes; Evacuation centers; Bury utilities

What we have learned since the last meeting
What We Heard: Community Assets

Natural and Cultural Resources
• Key Issues: Erosion of beaches; open space is threatened; agencies must be coordinated with regard to protection of resources; trees continue to be a threat
• Potential projects: Dune restoration; increased vegetation on shoreline; oyster reefs; jetties (dual-purpose for renewable energy); dredge drainage ways

Potential Project Ideas
• Lemon Creek Floodgate and/or debris cleanout
• SIUH (South) improvements (Hurricane proof evacuation center)
• Princess Bay Boatman’s Association floodgate
• Tottenville Train Station protection
• Great Kills Crescent Beach berm
• Seaside Nature Park Improvements – Education Center
• Safe water marina and mooring field
Oakwood Beach Levee
Repair Work
• The Corps of Engineers will be awarding two repair contracts, first in May, and then in July. These contracts will include repairs to the levee as well as electric repairs to the tide gate.
• Work is expected to be complete in the fall.

South Shore Coastal Protection
13 miles of coastline on Staten Island, from Fort Wadsworth to Tottenville.
• Phase 1 (Fort Wadsworth to Oakwood Beach): The study is evaluating potential plans of improvement which will consist of a system of levees, seawalls, stone revetments and acquisition and preservation of natural open space storage.
• Phase 2 (Great Kills to Tottenville): Still under assessment.
• Completion of Feasibility Report: 2014
Agency Meetings - Blue Belt

The Mid-Island Bluebelt Project Scope Includes:
- 3 Watersheds Encompassing 5000 AC.
- Conventional Storm/Sewer to Bluebelts.
- Protection and enhancement of wetland.
- 31 Best Management Practices (BMPs).
- Separate Sanitary System.
- 30 year build-out period.

Project in Final Stages of Approvals (Planning Level):
- DEP to Submit to EPA Final GEIS on Nov 13, 2013
- DEP is in the process of getting Regional General Permit (RGP) Approval from ACOE.

First Capital Project:
West Branch of New Creek (BMP NC-6 to BMP NC-10)
Design Completion – Feb 2014
Construction Starts – Aug 2014
Construction Completion – Spring 2016
What we learned since the last meeting

Plans and Projects

- **Build it Back**
  - **Issues:**
    - Concentrated in New Dorp, Ocean Breeze, Midland Beach and Tottenville
    - Land Use: City may end up with significant amount of land
    - Urban Design Implications - what will neighborhoods look like with new prototypes
    - Timing

- **City Planning Local Community Plans**
  - Likely to be launched in First or Second Quarter of 2014

- **State Buy Out Program**
  - 300 homes eligible for a buyout, with a potential expansion to 510 homes.
NY Rising to the Top Competition

$25 Million Bonus Fund Available

Up to $3 million in bonus funding for each category it wins for exemplary achievement in one or more of the following category:

1. Best Regional Collaborations
2. Best Use of Technology in the Planning.
3. Best Community Involvement in the Planning Process
4. Best Inclusion of Vulnerable Populations
5. Best Use of Green Infrastructure to Bolster Resilience.
7. Best Infrastructure Investments with Multiple Co-Benefits.
8. Best Approach to Resilient Economic Growth

What we learned since the last meeting
Introduction

NY Rising Vision For Staten Island

Community Profile

Assessment Of Risk And Needs

Reconstruction Strategies

Preliminary Implementation Structure

Public Engagement
NY Rising Vision for Staten Island

• A diverse, yet unified community with significant natural, cultural and economic assets,

• a long tradition of engaged citizens with a strong and unique sense of identity.

• Building on the strength of these assets, the East and South Shores will come back stronger and build back better after Superstorm Sandy.
NY Rising Vision for Staten Island

Goals:

• Strengthen local business corridors and improve connections to key economic assets in the North Shore to increase the East and South Shore’s economic resilience.

• Improve coordination between health and social services organizations to effectively communicate services to all populations. Resilience is just as much about social programs and education as it is physical infrastructure.

• Provide residents in low-lying and coastal areas with a range of housing options that are resilient in design and location.
NY Rising Vision for Staten Island

Goals:

• Rebuild in a way that enhances the area’s grey and green infrastructure systems to withstand future extreme weather events.

• Enhance the area’s natural and cultural resources to better withstand storm surges and high winds, and to help control other forms of flooding from heavy rains.

• Bolster the support infrastructure for the East and South Shore’s most vulnerable populations, including low-income populations, the elderly, people with disabilities, children and the homeless.
Community Planning & Capacity Building

**Need**
Greater coordination amongst community-based organizations to prepare for disasters and help people recover.

**Opportunity**
Strong network of non-profit organizations and civic pride that can be built upon to improve education and outreach.

Economic Development

**Need**
Stronger, more resilient local economy that helps local businesses bounce back more quickly from disasters.

**Opportunity**
Active community of small businesses that are rooted in their neighborhoods and supported by local business groups.

Health & Social Services

**Need**
Coordination amongst health care and social services organizations to help vulnerable populations from disasters.

**Opportunity**
- Strong institutions (e.g. SIUH and RUMC)
- Specialized social services organizations that are embedded in the community (e.g. JCC, Richmond Senior Services, and Staten Island NFPA).

Conceptual Plan: Needs & Opportunities
### Housing

**Need**
Creative programs to help extreme and high risk neighborhoods build back more safely or relocate to nearby areas.

**Opportunity**
Strong sense of community amongst waterfront neighborhoods.

### Infrastructure

**Need**
- Improved stormwater Drainage
- Strengthened coastal protections
- Expanded sewer networks
- More reliable electrical grid.

**Opportunity**
- Potential to utilize and expand natural protections and green infrastructure (e.g. Staten Island Bluebelt, sand dunes).
- Large institutional facilities, municipal buildings, and open space to house microgrids and renewable energy.

### Natural & Cultural Resources

**Need**
Integration of natural resources into existing stormwater and flood protection infrastructure.

**Opportunity**
Ample parkland, open space, and established Bluebelt program create potential to expand green infrastructure and improve stormwater protections.

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**Conceptual Plan: Needs & Opportunities**
**Theme 1**

Leverage funding sources for their maximum value, including the available $25M in CDBG-DR funds and additional sources, by evaluating the impact of ongoing and planned projects in order to identify gaps where the strategic application of these funds can make the most difference.

**Theme 2**

Strengthen key connections to enable the East and South Shores to better withstand future weather events. Although the emphasis of the NYRCR Plan is on the East and South Shores, Staten Island is one island, and the Planning Area is inextricably linked to, and dependent upon, the rest of the island.

**Theme 3**

Build on the strong network of existing civic, health and social service organizations that the East and South Shore communities have been fortunate to have operating in the area to strengthen the resilience of the area’s organizational infrastructure.

Reconstruction Strategies: Key Themes
Theme 1: Leverage available funds for maximum value

1. Leverage/Modify the Blue Belt System to Address Flooding in the Planning Area
2. Wetland Maintenance for Flood Control
3. Seawall Reconstruction at Atlantic Village
4. Install Floodgates at the mouth of Mill Creek
5. Residential Buyouts in the Floodplain
6. Restore Marshes in Oakwood Beach
7. Complete New Creek Bluebelt
8. Complete Lemon Creek Wetlands Restoration
9. Install Stone Armoring and Living Shorelines in Annadale and South of Great Kills Harbor
10. Install Offshore Breakwaters adjacent to and South of Great Kills Harbor
11. Proposal to Elevate Clusters of Homes
12. The Village at Great Kills Harbor
13. St. George/Tompkinsville Promenade
Theme 1. Leverage available funds for maximum value

G1. Leverage/modify the Blue Belt system to address flooding in the Planning Area

G2. Wetland maintenance for flood control

3. Seawall reconstruction at Atlantic Village
Theme 1. Leverage the available $25M in CDBG-DR funds

4. Install floodgates at the mouth of Mill Creek

5. Residential buyouts in Oakwood Beach, New Dorp Beach and Midland Beach

6. Restore marshes in Oakwood Beach
Theme 1. Leverage the available $25M in CDBG-DR funds

7. Complete New Creek Bluebelt

8. Complete Lemon Creek Wetlands Restoration

9. Install stone armoring and living shorelines in Annadale and south of Great Kills Harbor
10. Install offshore breakwaters adjacent to and south of Great Kills Harbor

11. Proposal to elevate clusters of homes in Midland Beach

12. The Village at Great Kills Harbor

13. St. George/Tompkinsville Promenade

Theme 1. Leverage the available $25M in CDBG-DR funds
Theme 2: Strengthen Key Connections to Enable the East and South Shores to Withstand Extreme Weather Events

1. Identify Key Locations for Microgrids and Renewable Energy Sources
2. Public Education Program and Staging area for Automobile Evacuation
   - Hylan Blvd. at Cleveland Ave: Intersection Improvements
   - Hylan Blvd. at Armstrong Ave: Intersection Improvements
3. Relocate Richmond Valley SIR Station
4. Charleston Road Improvements - NYS DOT
Theme 2. Strengthen key connections to enable the East and South Shores

G1. Identify key locations for microgrids and renewable energy sources to ensure reliable communication during emergencies

2. Preparedness: Public Education Program and Staging area for automobile evacuation
Theme 2. Strengthen key connections to enable the East and South Shores

3. Hylan Boulevard Intersection Improvements (at Cleveland Avenue and Armstrong Avenue)

4. Relocation of the Richmond Valley Staten Island Railroad Station

5. Charleston Road Improvements (NYS DOT)
Theme 3: Build on the Strong Network of Existing Civic, Health and Social Service Organizations

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<td>Identify Location and Programming for a ‘Central Command Center’</td>
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<td>Develop a Continuity of Operations/Government Plan with Emergency Support Functions (COOP/COG)</td>
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<td>4</td>
<td>Rebuild New Dorp Beach Friendship Club</td>
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Reconstruction Strategies
Theme 3. Build on the Strong Network of Existing Civic, Health and Social Service Organizations

G1. Prepare Island-wide Master Plan to plan for Staten Island’s long-term future

G2. Identify location and programming for a ‘Central Command Center’ during times of emergency

Theme 3. Build on the Strong Network of Existing Civic, Health and Social Service Organizations

4. Rebuild New Dorp Beach Friendship Club to serve the elderly population along the shoreline and increase community meeting space

5. Staten Island University Hospital Hazard Mitigation Plan (FEMA)
NY Rising Community Reconstruction Program Schedule

30 week Schedule

- Planning Committee Meeting
- Public Meeting
- Deliverable Due Date

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**Next Steps**

- Community Vision/Concepts
- Testing the Concepts
- Refining the Concepts & Producing the Plan