



Project Prioritization

East and South Shores, Staten Island
NYRCR Planning Committee Meeting

January 29, 2014

Agenda

- 7:00 Welcome and Sign-in
- 7:05-7:40 Presentation:
- Overview and Methodology of Prioritization Process
 - Selected Priority Projects
 - Review of Priority Projects
 - Review of Potential Priority Project Menus
- 7:45 – 8:20 Break-out Groups on Menu Options
- 8:20 – 8:50 Groups Report Back/Facilitated Discussion
- 8:50 – 9:00 Next Steps / Questions

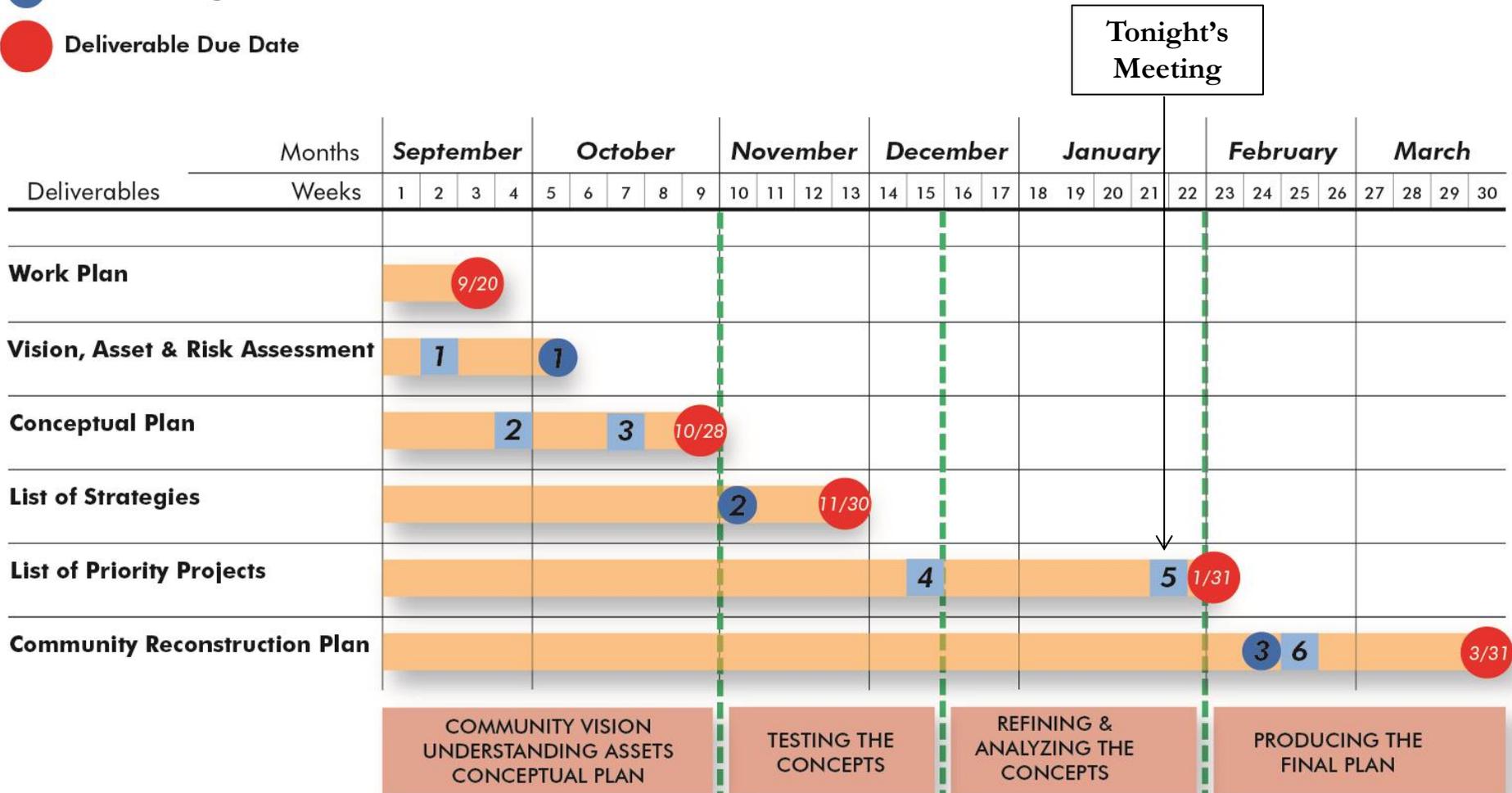
Purpose of Tonight's Meeting

- Priority Projects selected by Planning Committee
- Next Steps/Schedule
- Public Engagement Meeting #3 (Feb 12th)
- Date for Planning Committee #6 (March 12th)

NYRCR Program Schedule

NY Rising Community Reconstruction Program Schedule 30 week Schedule

- Planning Committee Meeting
- Public Meeting
- Deliverable Due Date



Where we are in the process

Identify Projects

Type (*Study, Advocacy, Implementation*)

Project Sponsor

Location

Committee Input



Evaluate Projects

CDBG-DR Eligibility

Cost-Benefit Criteria

Other Criteria

Committee Input



Refine Projects

Funding Sources

Cost Benefit Analysis

Implementation
Schedule

Committee Input

NYRCR Program Schedule – Key Dates

- **1/29** – Planning Committee Meeting - prioritize projects based on actual costs.
- **1/31** - CDBG-DR Priority Project List (10-15 projects) due to State.
- **2/12** – 3rd Public Workshop – review priority projects
- **3/12** – 6th Planning Committee Meeting – Review Draft Plan

Projects Screening: *Screening Criteria*

Risk Reduction

- Number and value of extreme and high risk assets, critical infrastructure secured
- Demographics of lives secured



Co-Benefits

- Sustainability
- Economic Impacts
- Environmental Benefits
- Health and Social Benefits
- Essential Services during events



Cost

- Capital Cost
- Life-Cycle Cost
- Useful Life
- Cost-Risk Reduction Ratio



Feasibility

- Technically Feasible
- Permitting / Approval
- Real Property Constraints



Funding Availability

- FEMA
- HUD CDBG-DR
- Other funding
- Ability to Generate Incremental Revenue



Public Support

- Public Engagement
- Regional Planning Efforts
- Regional Support
- Agency/Government Support



Overall Project Screening Score: High ● Medium ○ Low ○

Project Types

Immediate (*0 - 2years*)

Intermediate (2 – 5 years)

Long-Range (5+ years)

Project Types

Implementation:

‘Shovel ready’ projects that Staten Island could implement *in the Short Term*.

Feasibility Study:

Staten Island should make plans for these projects **NOW** so that they can get money to build it in *Medium-Long Term*.

Advocacy:

Projects that Staten Island should lay the ground work for **NOW** so that others will implement it *Medium - Long-Term*.

Priority Project Feasibility

- Must be CDBG-DR Eligible
- Project (or discrete phase) must be entirely funded through NYRCR Program
- Each Priority Project *must* have an agency/non-profit sponsor
- Since Last meeting Planning Team has met with:
 - Mayor's OLTPS
 - NYC DEP
 - NYC DOT
 - NYC EDC
 - NYC Parks
 - NYS DEC
 - USACE
 - SIUH
- Meetings to come: DCOP and OEM

Projects Being Undertaken by Others (through varied funding sources)

- Ocean Breeze Buy-outs (NYS)
- Oakwood Beach Wetland and Dune Creation (Regional Council)
- West Branch of the New Creek
BlueBelt (USDA)
- Breakwaters at Great Kills Harbor (DEC)
- Sewer Improvements in New Dorp Beach and South Beach (DDC)
- Oyster Reefs / ‘The Shallows’ (Rebuild by Design)
- USACE Study from Great Kills to Tottenville

Priority Project Rankings

- 23 committee members provided project ranking forms
- Follow-up Conference Call was held to discuss projects and project ranking forms
- Rankings were tabulated by theme
- Rankings were cross-referenced with the prioritization of projects recorded at the December committee meeting
- Projects with highest public support and highest project screening score (Harvey Ball – based on cost-benefit matrices) were selected

A. Coastal Protection
: \$7,915,000

- A3 Interim East Shore Coastal Protection Measures
- A3a Phase 1: Planting Existing Dunes and Temporary Dunes : \$105,000
- A3b Phase 2: Create Dunes where none exist : \$2,460,000
- A5 Tottenville Dunes and Coastline Dune Plantings : \$4,700,000
- A7 Integrated South Shore Protection Plan : \$650,000

B. Stormwater Management
: \$9,570,000

- B2 New Creek Bluebelt Implementation at Last Chance Pond (NC-11), Boundary Avenue (NC-6), Joyce Street, Hylan Boulevard and Meadow Place : \$5,500,000
- B4 Hylan Boulevard Streetscape Improvements : \$900,000
- B5 McLaughlin Street Residential conversion to Bluebelt : \$2,600,000
- B6 Assess Stormwater Outfalls and Install Necessary Flapper Valves : \$570,000

C. Key Connections
: \$11,120,000

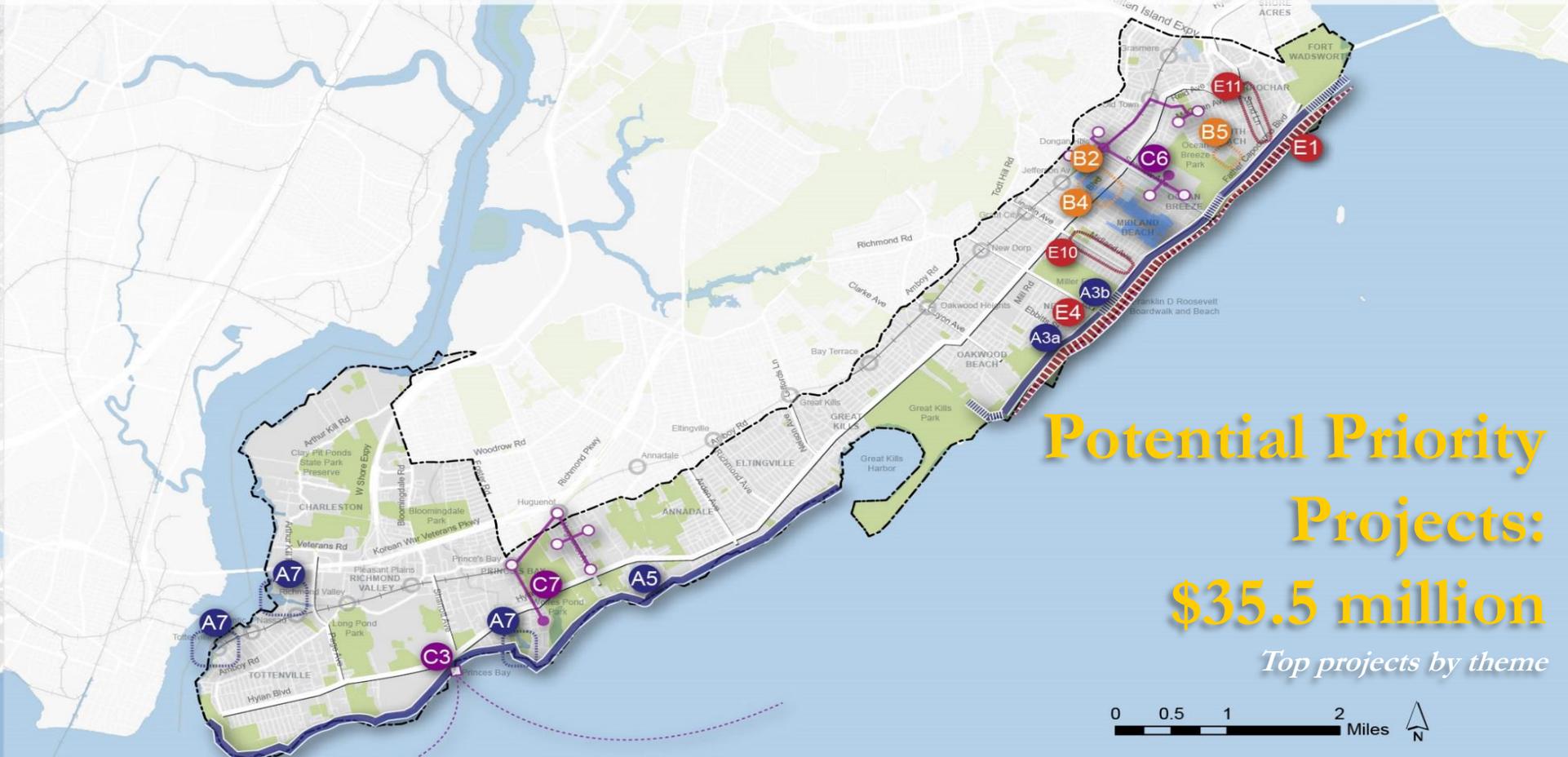
- C1 Identify key locations for microgrids and renewable energy sources to ensure reliable communication during emergencies : \$320,000
- C2 Preparedness/Education: 'Go to High Ground' – Study for Wayfinding Signage and Staging area for Automobile evacuation : \$250,000
- C6 East Shore Microgrid Network Pilot Project : \$6,000,000
- C7 South Shore Microgrid Network Pilot Project : \$4,000,000
- C3 Feasibility Study for Resilient Dock at Prince's Bay : \$350,000
- C8 St. George/Tompkinsville Promenade Master Plan / Engineering Study : \$200,000

D. Emergency Response Capacity
: \$595,000

- D1 Staten Island 'Central Command Center' Location and Feasibility Study : \$250,000
- D2 Establish a Non-Profit Emergency Response Network : \$280,000
- D6 Port Richmond CERT Reconnaissance & Radio & Augmentation Training : \$65,000

E. Neighborhood Integrity
: \$6,350,000

- E1 East Shore Comprehensive Waterfront Master Plan : \$500,000
- E2/9 Neighborhood Home Elevation and Resiliency Improvement Assistance Program
Establishment of a Nonprofit Network to provide Home Repair and Related Services : \$4,000,000
- E10 Form Midland Beach Merchants Association : \$300,000
- E11 Form Sand Lane Merchants Association : \$300,000
- E12 Implement 'Race for Space' Grant Program to Fill Vacant Storefronts : \$400,000
- E4 Flooding Protections for New Dorp Beach Friendship Club : \$650,000
- E13 Create Common Application for Disaster Relief Grant Funding for Local Businesses : \$200,000



**Potential Priority
Projects:
\$35.5 million**
Top projects by theme



A3 – Interim East Shore Coastal Protection Measures

Phase 1: Coastal Dune Planting - \$105,000

Phase 2: Dune Construction - \$2.46 million



4.5 Miles of Coastal Planting
(Phase 1)

1.6 Miles of New Dunes
(Phase 2)

A5 – Tottenville Dunes and Coastline Dune Plantings - \$4.7 million



A7 – Integrated South Shore Protection Plan - \$650,000



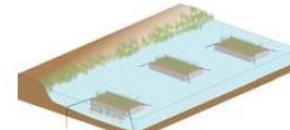
Floodgate



Berm

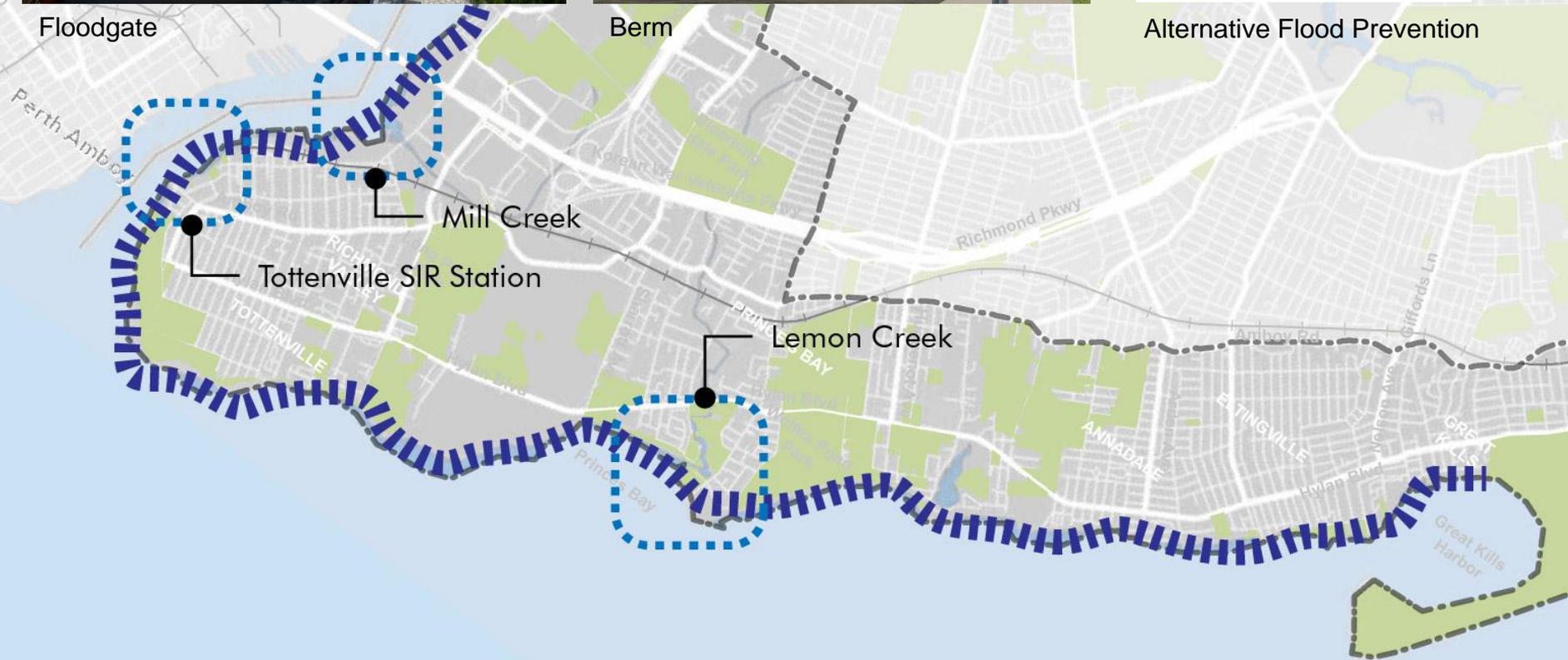


Artificial Reefs



Floating Islands

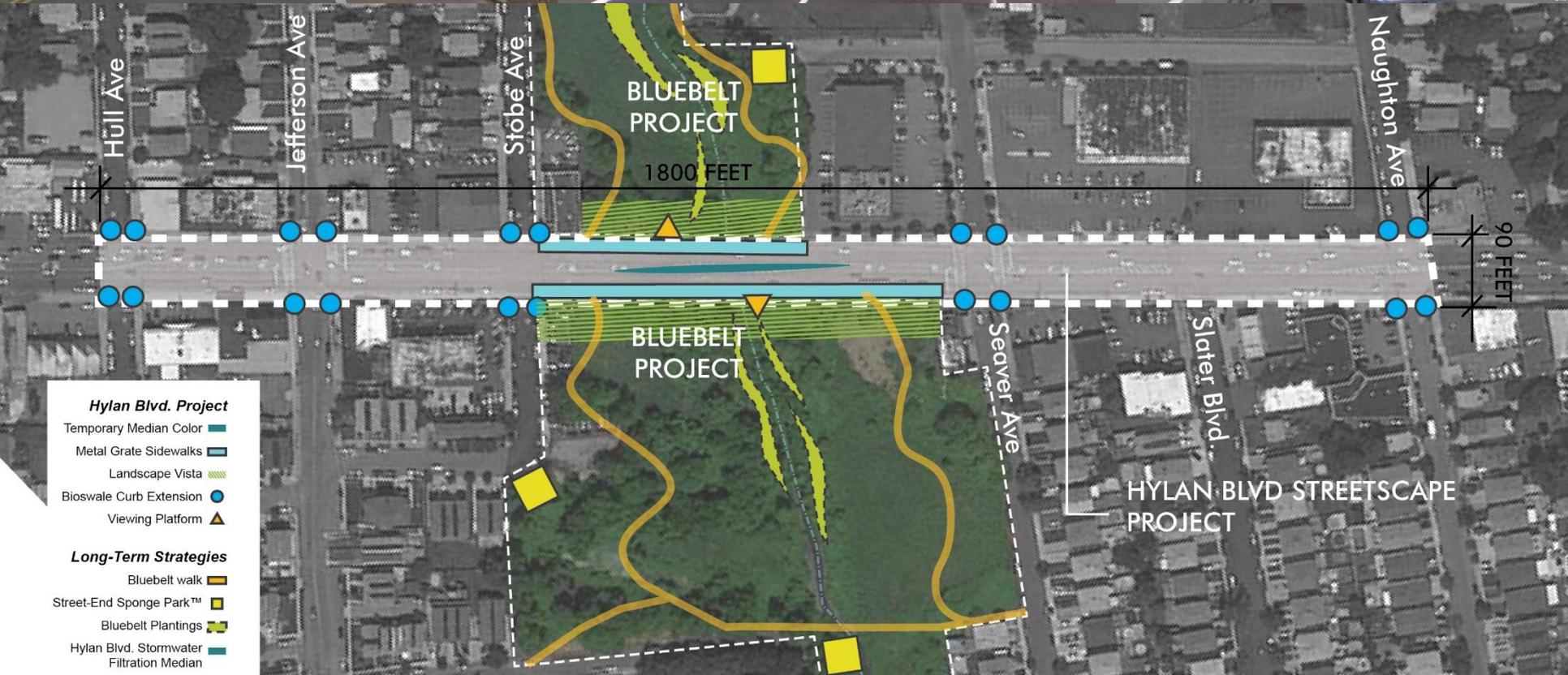
Alternative Flood Prevention



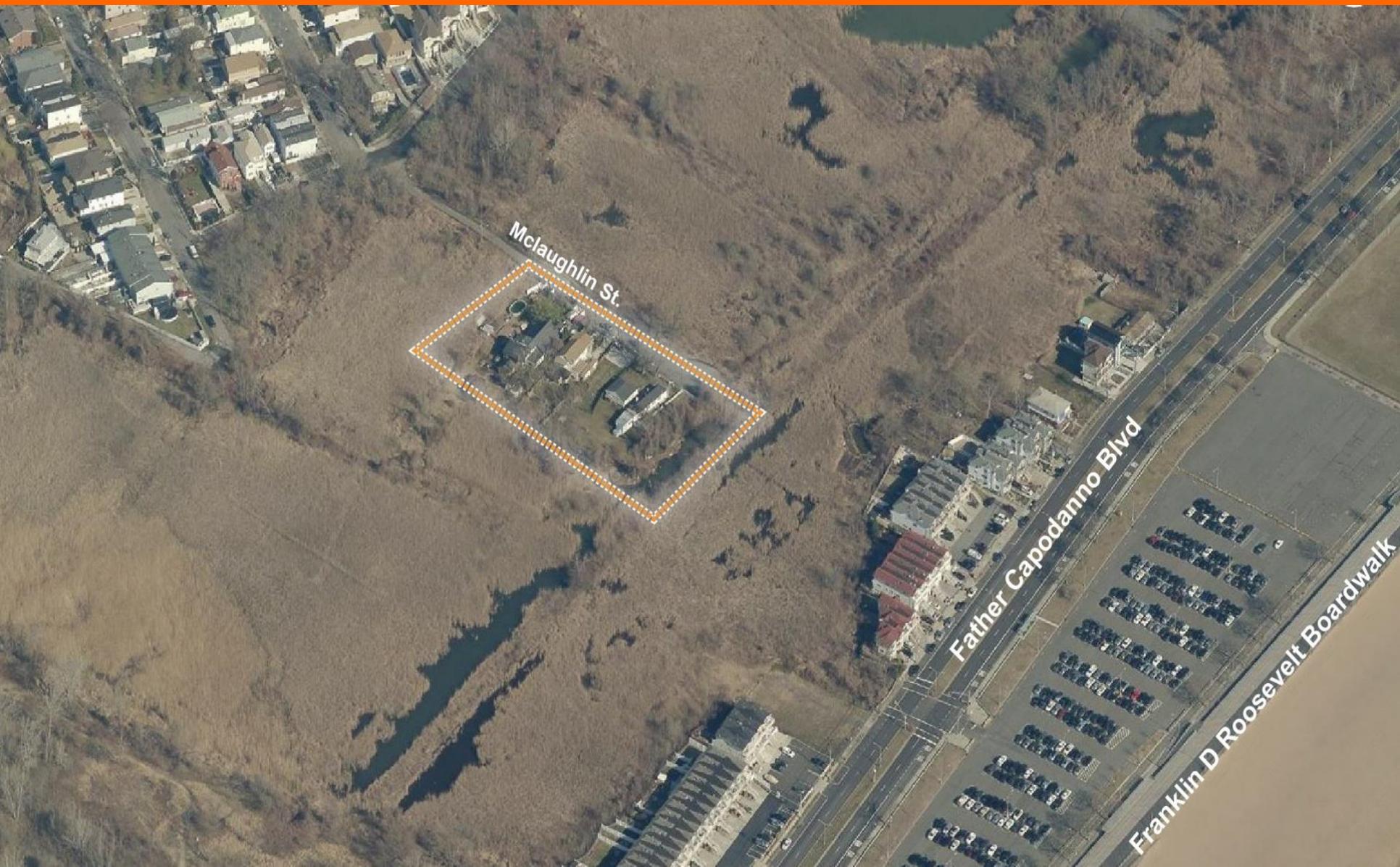
B2 – New Creek Bluebelt at Last Chance Pond - \$5.5 million



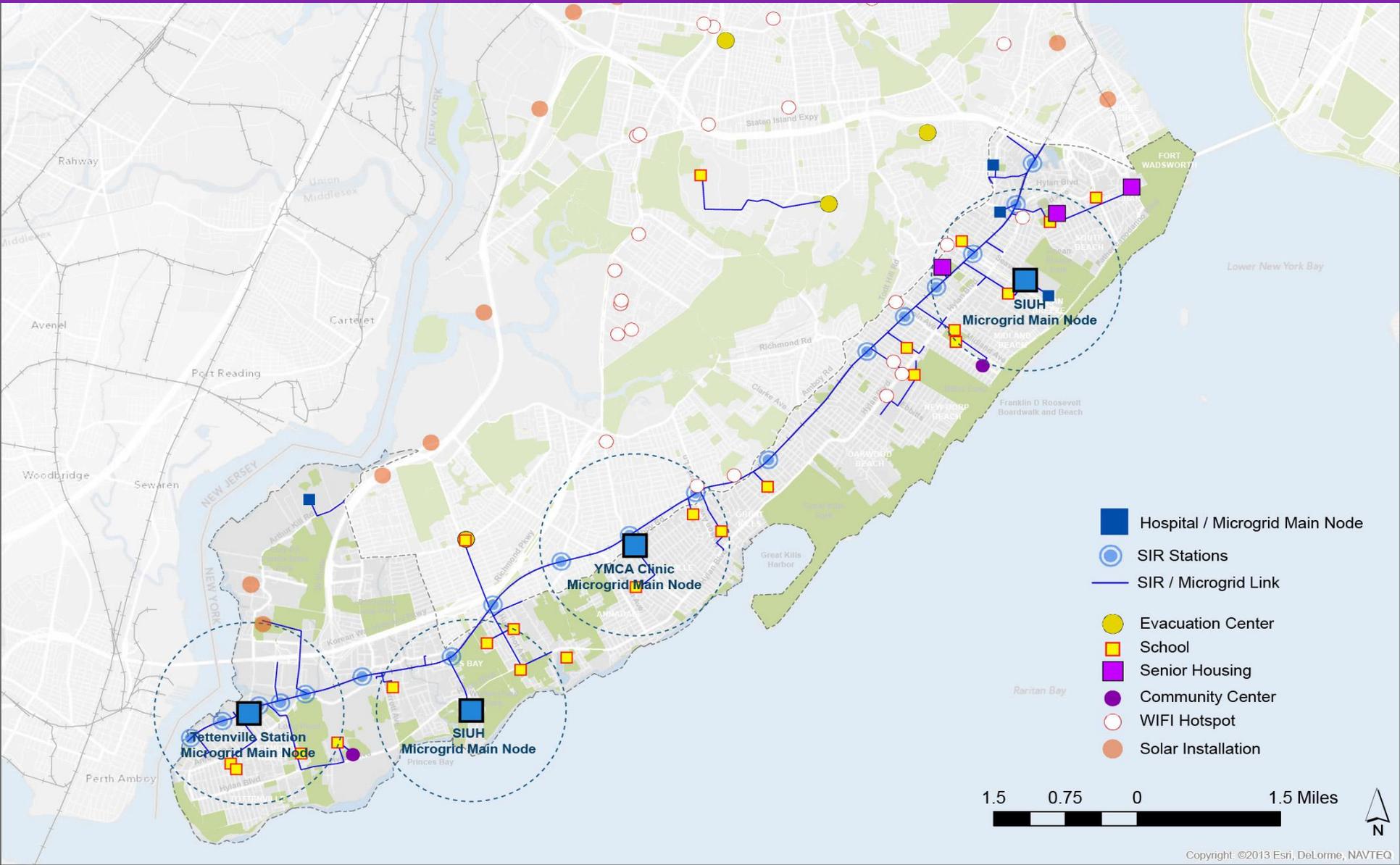
B4 – Hylan Blvd Streetscape Improvements - \$900,000



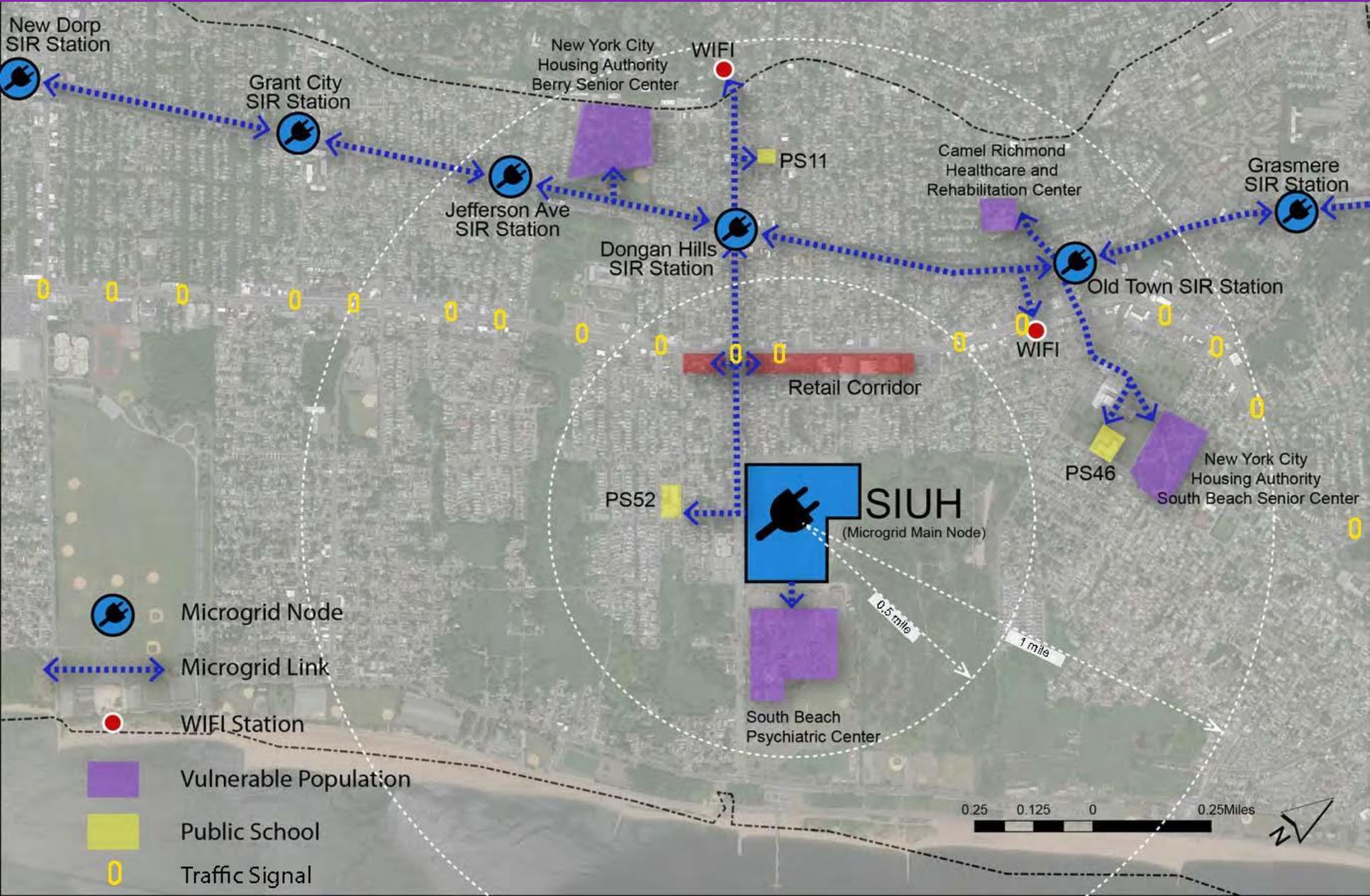
B5: McLaughlin St. Residential Conversion to Bluebelt - \$2.6 million



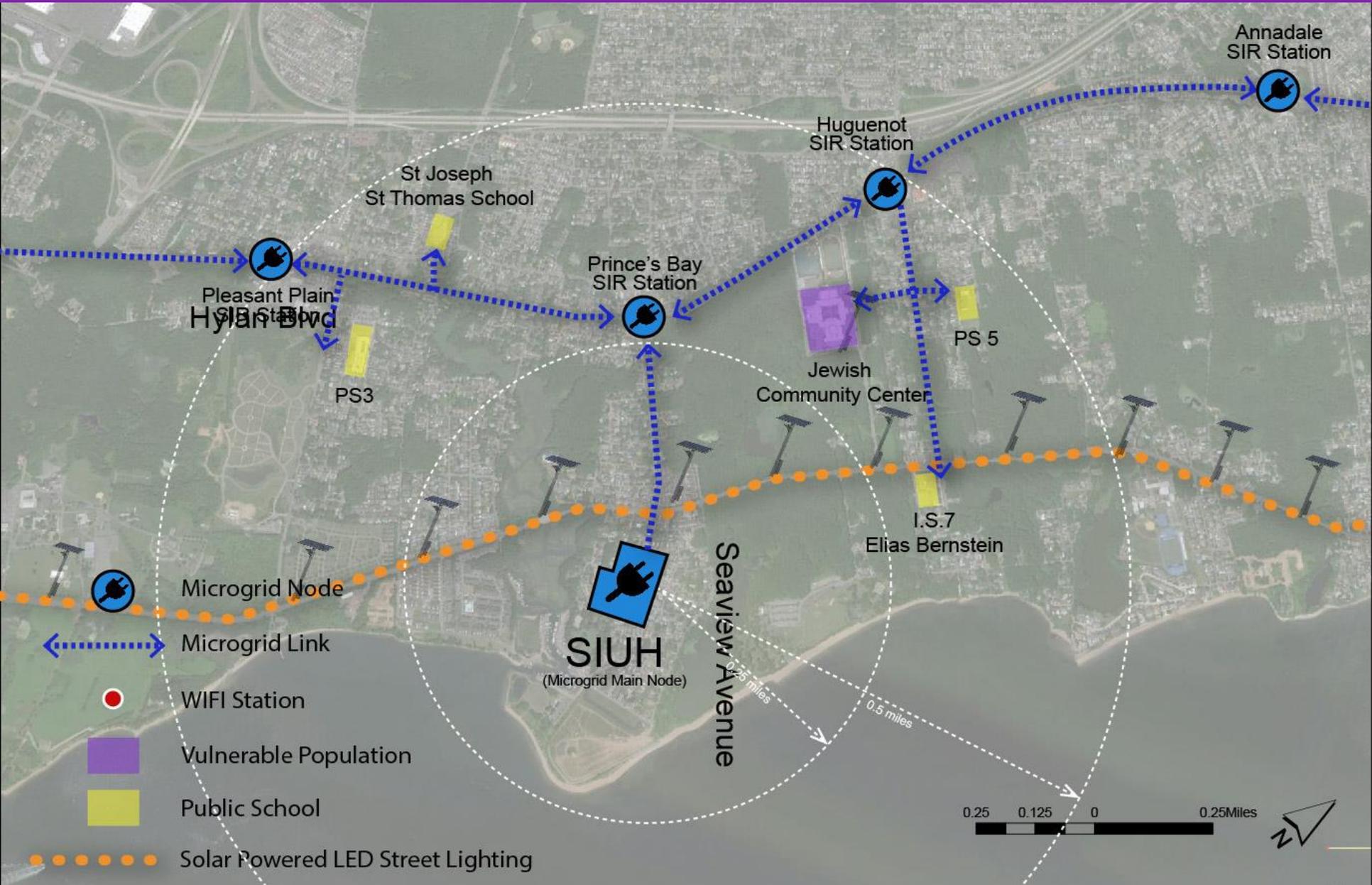
C1 – Microgrid and Renewable Energy Study - \$320,000



C6 – East Shore Microgrid Network Pilot Project – \$6 million



C7 – South Shore Micrgrid Network Pilot Project – \$4 million

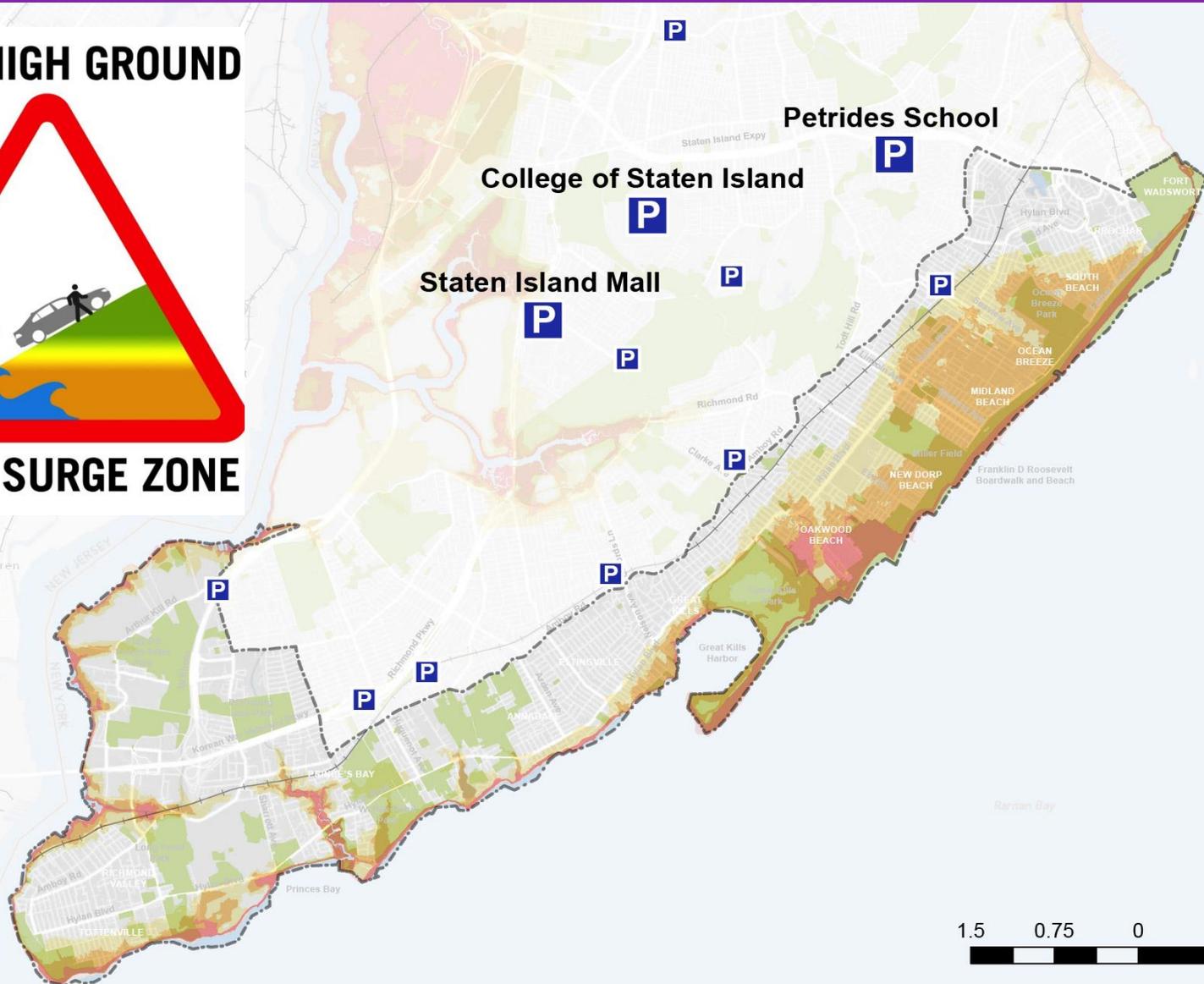


C2 – “Go to High Ground” Wayfinding Signage and Automobile Staging Area Study - \$250,000

GO TO HIGH GROUND



STORM SURGE ZONE



D1 – Staten Island ‘Central Command Center’ Location and Feasibility Study - \$250,000



D2 – Establish a Non-Profit Emergency Response Network - \$280,000



D6 – Port Richmond CERT - \$65,000



E1 – East Shore Comprehensive Waterfront Master Plan - \$500,000



**E2 – Neighborhood Home Elevation and Resiliency
Improvement Assistance Program - \$4 million**

**E9 – Establish a Nonprofit Network to Provide Home
Elevation and Repair - \$4 million**



E10 – Midland Beach Merchants Association - \$300,000



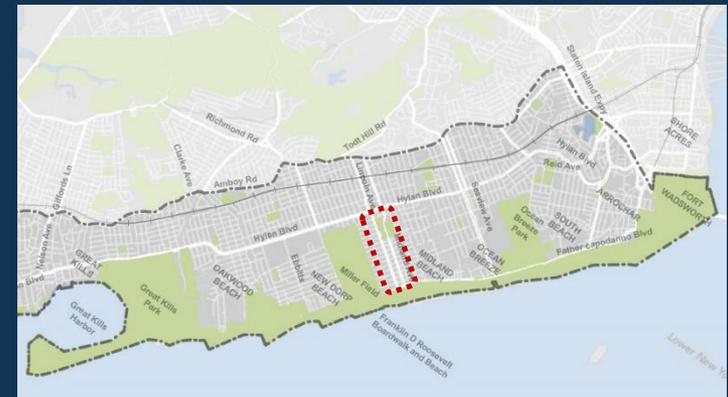
E11 – Sand Lane Merchants Association - \$300,000



E12 – Implement ‘Race for Space’ Grant Program - \$400,000



Photo by Ron Janorkar



Priority Projects Menu

Guiding Principles

- Projects with Highest Screening Score (●) and Highest Public Support are included in all options
- Priority Projects with lowest Public Support and Medium Screening Score (◐) are not included in any of the options
- Geographic Diversity (East and South Shores; Island-wide)
- Emphasis on Implementation projects, but incorporating studies to address long term issues
- Distribution of projects to all five Themes

CDBG Allocation



Included in All Options:

- **A3** – Phase 1: Interim East Shore Coastal Protection Plan (Plantings)
- **A5** – Tottenville Dunes
- **A7** – Integrated South Shore Protection Plan
- **B2** – New Creek Bluebelt at Last Chance Pond
- **B4** – Hylan Blvd Streetscape Improvements
- **C1** – Microgrid Study
- **C2** – ‘Go to High Ground’ Study
- **C6** – East Shore Microgrid Pilot Project
- **D1** – ‘Central Command Center’ Study
- **D2** – Non-Profit Emergency Response Network
- **D6** – Port Richmond CERT
- **E1** – East Shore Comprehensive Waterfront Master Plan

	OPTION 1	OPTION 2	OPTION 3
A3 Interim East Shore Coastal Protection Measures	 <i>Both</i> phases of A3	 <i>Both</i> phases of A3	 <i>Only</i> Phase 1 of A3
B5 McLaughlin St. Residential Conversion to Bluebelt	 Includes B5	 Includes B5	 Does <i>not</i> include
C6 and C7 Microgrid pilot projects	 <i>Both</i> the East and South Shores (C6 and C7)	 <i>Only</i> the East Shore (C6)	 <i>Both</i> the East and South Shore (C6 and C7)
E10, E11 Merchant Association projects E12 ‘Race for Space’ Grant Program	 Includes <i>Both</i> E10 and E11	 Includes <i>Only</i> E12	 Includes <i>All</i> E11 , E12 and E10
E2 and E9 housing project	 Does <i>not</i> include	 Includes E2 and E9	 Includes E2 and E9

A. Coastal Protection
: \$7,915,000

- A3 Interim East Shore Coastal Protection Measures
- A3a Phase 1 : Planting Existing Dunes and Temporary Dunes : \$105,000
- A3b Phase 2 : Create Dunes where none exist : \$2,460,000
- A5 Tottenville Dunes and Coastline Dune Plantings : \$4,700,000
- A7 Integrated South Shore Protection Plan : \$650,000

B. Stormwater Management
: \$9,000,000

- B2 New Creek Bluebelt Implementation at Last Chance Pond (NC-11), Boundary Avenue (NC-6), Joyce Street, Hylan Boulevard and Meadow Place : \$5,500,000
- B4 Hylan Boulevard Streetscape Improvements : \$900,000
- B5 McLaughlin Street Residential conversion to Bluebelt : \$2,600,000

C. Key Connections
: \$10,570,000

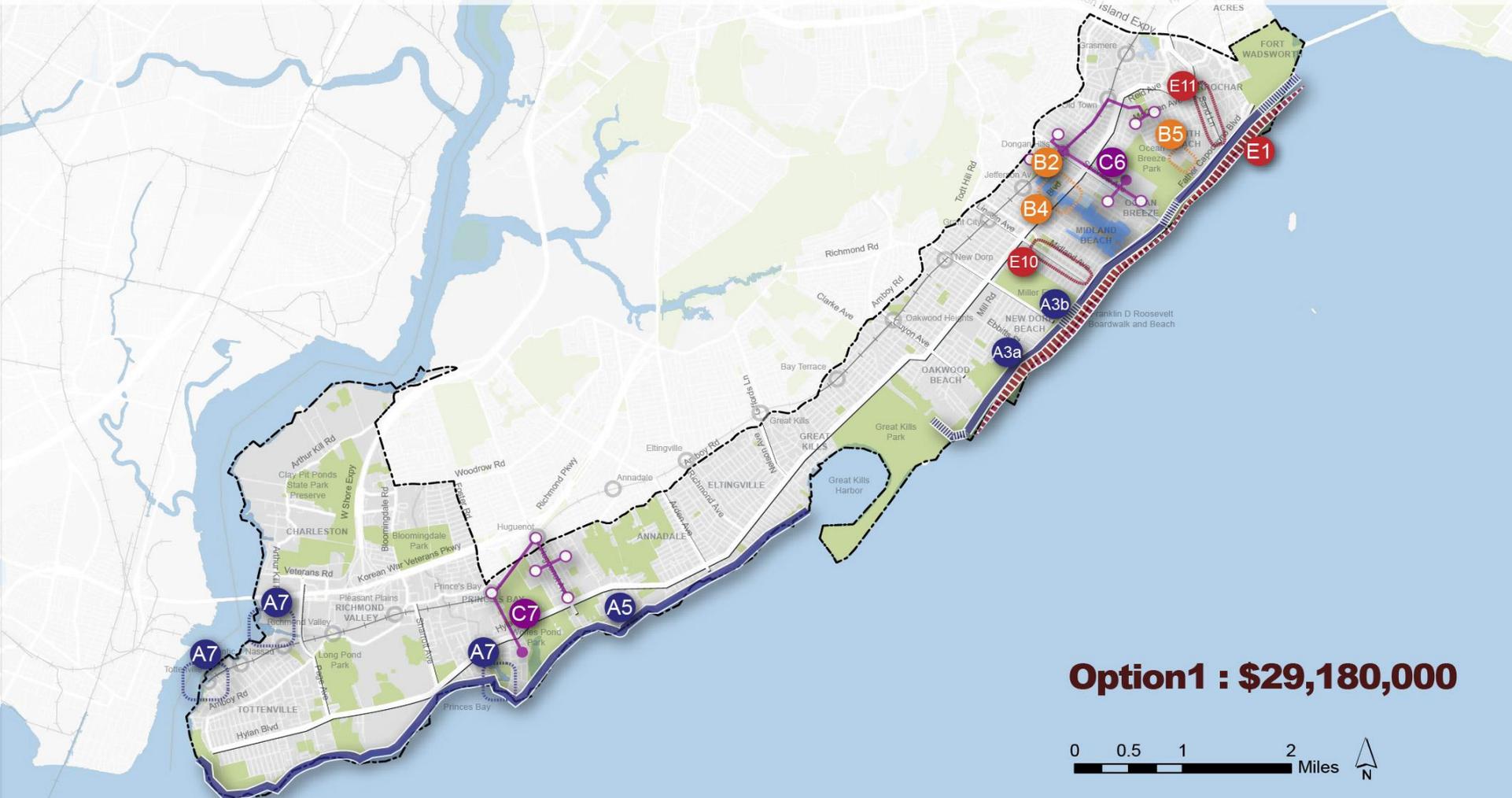
- C1 Identify key locations for microgrids and renewable energy sources to ensure reliable communication during emergencies : \$320,000
- C2 Preparedness/Education: 'Go to High Ground' – Study for Wayfinding Signage and Staging area for Automobile evacuation : \$250,000
- C6 East Shore Microgrid Network Pilot Project : \$6,000,000
- C7 South Shore Microgrid Network Pilot Project : \$4,000,000

D. Emergency Response Capacity
: \$595,000

- D1 Staten Island 'Central Command Center' Location and Feasibility Study : \$250,000
- D2 Establish a Non-Profit Emergency Response Network : \$280,000
- D6 Port Richmond CERT Reconnaissance & Radio & Augmentation Training : \$65,000

E. Neighborhood Integrity
: \$1,100,000

- E1 East Shore Comprehensive Waterfront Master Plan : \$500,000
- E10 Form Midland Beach Merchants Association : \$300,000
- E11 Form Sand Lane Merchants Association : \$300,000



Option 1 : \$29,180,000



A. Coastal Protection
: \$7,915,000

- A3 Interim East Shore Coastal Protection Measures
- A3a Phase 1 : Planting Existing Dunes and Temporary Dunes : \$105,000
- A3b Phase 2 : Create Dunes where none exist : \$2,460,000
- A5 Tottenville Dunes and Coastline Dune Plantings : \$4,700,000
- A7 Integrated South Shore Protection Plan : \$650,000

B. Stormwater Management
: \$9,000,000

- B2 New Creek Bluebelt Implementation at Last Chance Pond (NC-11), Boundary Avenue (NC-6), Joyce Street, Hylan Boulevard and Meadow Place : \$5,500,000
- B4 Hylan Boulevard Streetscape Improvements : \$900,000
- B5 McLaughlin Street Residential conversion to Bluebelt : \$2,600,000

C. Key Connections
: \$6,570,000

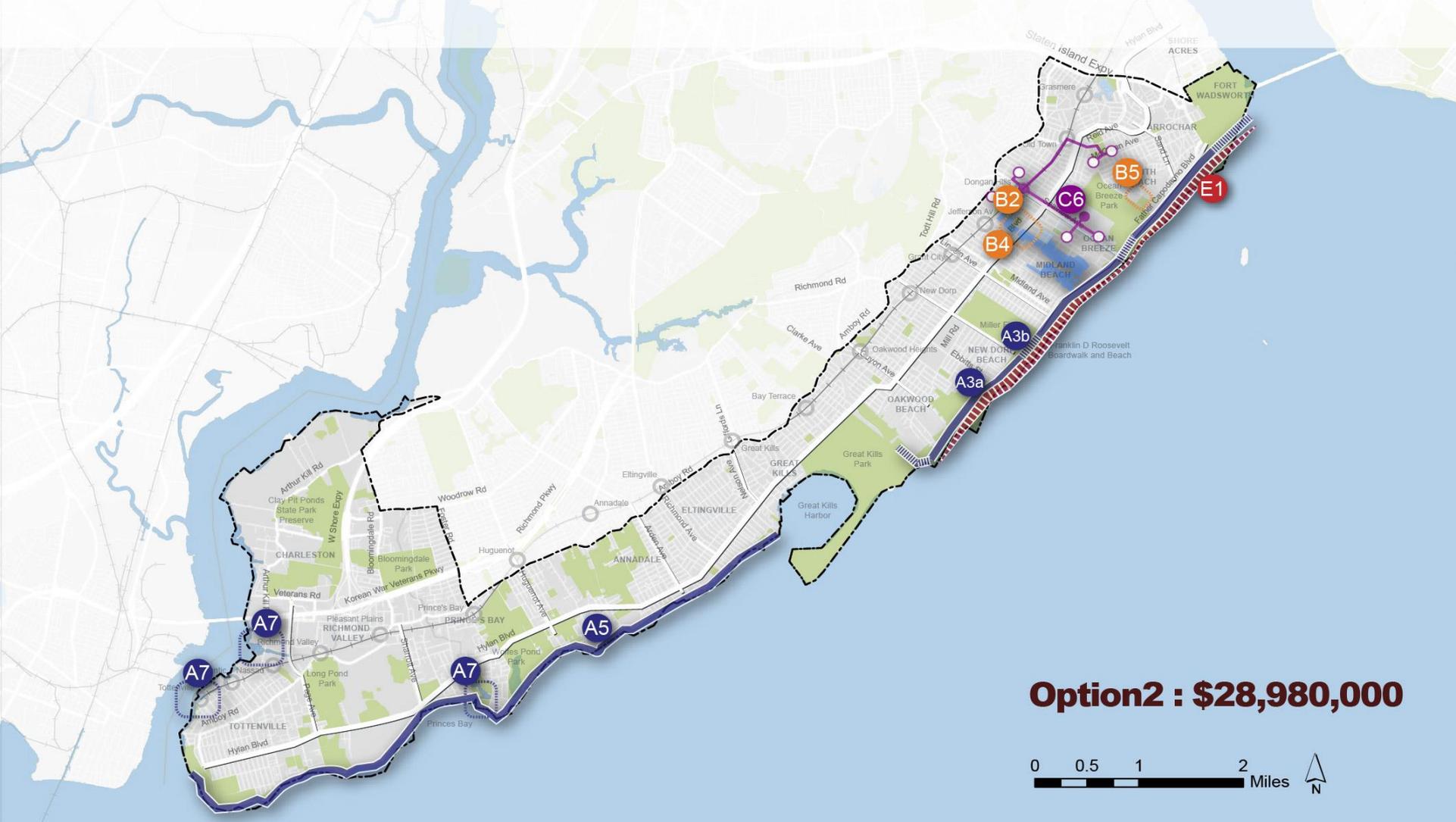
- C1 Identify key locations for microgrids and renewable energy sources to ensure reliable communication during emergencies : \$320,000
- C2 Preparedness/Education: 'Go to High Ground' – Study for Wayfinding Signage and Staging area for Automobile evacuation : \$250,000
- C6 East Shore Microgrid Network Pilot Project : \$6,000,000

D. Emergency Response Capacity
: \$595,000

- D1 Staten Island 'Central Command Center' Location and Feasibility Study : \$250,000
- D2 Establish a Non-Profit Emergency Response Network : \$280,000
- D6 Port Richmond CERT Reconnaissance & Radio & Augmentation Training : \$65,000

E. Neighborhood Integrity
: \$4,900,000

- E1 East Shore Comprehensive Waterfront Master Plan : \$500,000
- E2/9 Home Elevation Assistance / Non-profit: \$4,000,000
- E12 Implement 'Race for Space' Grant Program to Fill Vacant Storefronts : \$400,000



Option 2 : \$28,980,000



A. Coastal Protection
: \$5,455,000

- A3 Interim East Shore Coastal Protection Measures
- A3a Phase 1 : Planting Existing Dunes and Temporary Dunes : \$105,000
- A5 Tottenville Dunes and Coastline Dune Plantings : \$4,700,000
- A7 Integrated South Shore Protection Plan : \$650,000

B. Stormwater Management
: \$6,400,000

- B2 New Creek Bluebelt Implementation at Last Chance Pond (NC-11), Boundary Avenue (NC-6), Joyce Street, Hylan Boulevard and Meadow Place : \$5,500,000
- B4 Hylan Boulevard Streetscape Improvements : \$900,000

C. Key Connections
: \$10,570,000

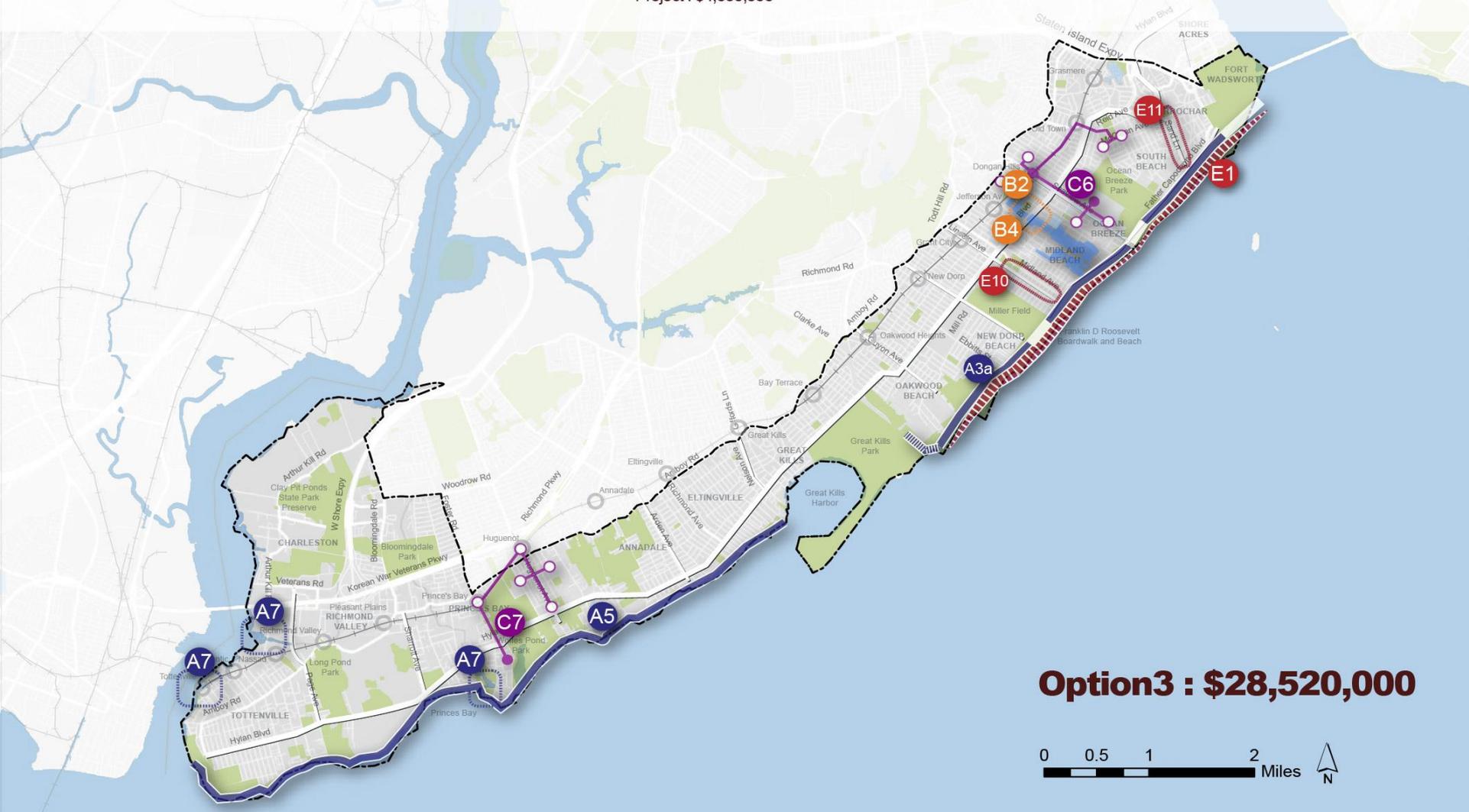
- C1 Identify key locations for microgrids and renewable energy sources to ensure reliable communication during emergencies : \$320,000
- C2 Preparedness/Education: 'Go to High Ground' – Study for Wayfinding Signage and Staging area for Automobile evacuation : \$250,000
- C6 East Shore Microgrid Network Pilot Project : \$6,000,000
- C7 South Shore Microgrid Network Pilot Project : \$4,000,000

D. Emergency Response Capacity
: \$595,000

- D1 Staten Island 'Central Command Center' Location and Feasibility Study : \$250,000
- D2 Establish a Non-Profit Emergency Response Network : \$280,000
- D6 Port Richmond CERT Reconnaissance & Radio & Augmentation Training : \$65,000

E. Neighborhood Integrity
: \$5,500,000

- E1 East Shore Comprehensive Waterfront Master Plan : \$500,000
- E2/9 Home Elevation Assistance / Non-profit : \$4,000,000
- E10 Form Midland Beach Merchants Association : \$300,000
- E11 Form Sand Lane Merchants Association : \$300,000
- E12 Implement 'Race for Space' Grant Program to Fill Vacant Storefronts : \$400,000



Option 3 : \$28,520,000

Additional Projects

- ***Featured projects*** – Preferred projects will be included in the body of the Final Plan as long-term recommendations and will include detailed project, cost information, and potential funding sources.
- ***Other projects*** – additional resiliency projects and actions (those included in the master screening matrix) that the Committee would like to highlight – included as an appendix to the Final Plan.



YOUR INPUT IS IMPORTANT! Wednesday, February 12



Come to a Public Workshop on **February 12** to learn about the NY Rising program, see the progress the committee has made thus far, and most importantly, to comment on the projects that the committee has identified and to share your ideas of how to make Staten Island's East and South Shore communities more resilient.



Public Workshop
7PM – 9PM
New Dorp High School
465 New Dorp Lane
Staten Island

The NY Rising Community Reconstruction Program was established by Governor Cuomo's Office of Storm Recovery to provide assistance to communities that were severely damaged by Superstorm Sandy. A committee of Staten Island civic, business and non-profit leaders are developing a comprehensive recovery plan that increases resilience and economic development in communities on the East and South Shores.

The committee has identified priority projects that will help make the East and South Shores more resilient. The projects that the committee has chosen are intended to:

- Provide greater coastal protections to protect residents from storm surge.
- Improve stormwater management to reduce flooding during heavy rains.
- Strengthen key connections between critical facilities to reduce power outages and improve transportation during disasters.
- Increase the emergency response capacity of non-profit and disaster recovery organizations on Staten Island.
- Build upon the neighborhood integrity of communities impacted by Sandy to increase the resilience of homes and businesses.



The East & South Shores

Coming back stronger, building back better!

Tonight: Committee Breakouts

- 7:45 – 8:20: Breakout Groups
- 8:20 – 8:50: Discussion - Groups Report Back/Consensus on Priority Projects
- 8:50 – 9:00: Wrap-up