Agenda for Planning Committee Meeting #8

1. NYRCR Program Update 7:00pm
2. Review Comprehensive List of Projects 7:05pm
3. Confirm Public Meeting #3 Approach 8:45pm
4. Next Steps 8:55pm
NY Rising Community Reconstruction Program Schedule

- Planning Committee Meeting
- Public Meeting
- Deliverable Due Date

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- June 13
- August 1
- August 22
- September 19
- October 3
- December 5
NY Rising Community Reconstruction Goals and Components

**Community Vision, Goals, Risk, Assets, Issues, Needs, & Opportunities**

**Community Reconstruction Plan**

- Implementable projects across six recovery functions

**Strategies**

- Community Planning & Capacity Building
- Economic Development
- Health & Social Services
- Housing
- Infrastructure
- Natural & Cultural Resources
Project Development and Voting Schedule

Develop and confirm list of projects
PC #8: 11/3

Present projects to public
PE #3: 11/10

Committee votes on projects
PC #9: 11/17
Planning Committee Meeting #8 Goals & Outcomes

**Goals:**

1. Finalize project list to present at Public Meeting #3
2. Confirm approach to Public Meeting #3

**Outcomes:**

1. Updated list of projects and next steps for further project development
Agenda for Planning Committee Meeting #8

1. NYRCR Program Update 7:00pm
2. Review Comprehensive List of Projects 7:05pm
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4. Next Steps 8:55pm
Emergency Preparedness and Response

Strategies:
Build & coordinate local capacity for emergency response
Emergency Preparedness and Response

**Proposed Project**

1) Create Resource/Recovery Community Center

2) Institute an Emergency Backup Generator Program for Health and Social Service Providers
Emergency Preparedness and Response Project #1: Resource/Recovery Community Center

Proposed Project
1) Create Resource/Recovery Community Center

This project would also fund:

- Salary for one Community Coordinator for a two-year period to develop and manage an emergency communications plan and year-round programs that build the capacity of the local network of block associations
- Youth (ages 14-24) to annually participate in 6 week “Canarsie Corps” summer employment program

Building construction: $6-8 million

Community Coordinator Cost: ~$40,000, annually

“Canarsie Corps” Cost: ~$1,500 per enrollee, annually
Emergency Preparedness and Response Project #2: Emergency Backup Generator Program for Health and Social Service Providers

Full/partial grants to help social and health service providers purchase fixed backup generators

Generators could be powered by solar or hybrid (wind and solar)

Estimated cost: scalable

One 100kW generator, to serve a 10,000 SF building: $350,000
Economic Development

Strategy: Strengthen economic resiliency
Economic Development

Proposed/Featured Project
1) Build Avenue L Resiliency Improvements
2) Create Resiliency workforce development program
3) Commission Market Analysis Study focusing on commercial corridors

Other Projects and Recommendations
1) Expand NYC Small Business Services Storefront Improvement Program to Canarsie
2) Undertake process to organize Business Improvement District on Avenue L
Economic Development Project #1: Avenue L Resiliency Improvements

Create a **resilient economic corridor intersection** that incorporates the best practices in street design resiliency. This would function as a demonstration project for the larger application of these methods throughout the city.

**Elements would include:**
- Plaza with seating, shade, and adjacent streetscaping
- Resilient bus shelter with solar energy powering lighting
- Solar mobile phone charging station
- Bioswales/permeable pavers
- Space for pop-up markets
- Amenities for cyclists

Cost: **$8+ million**
Economic Development Project #1: Avenue L Resiliency Improvements

CANARSIE / AVENUE L + ROCKAWAY PARKWAY STREETSCAPE - EXISTING
Economic Development Project #1: Avenue L Resiliency Improvements

Considerations
- Opportunity to center plaza on intersection of Avenue L and Rockaway Parkway
- Potential replicability at Rockaway Parkway L Train Station
- Ties into streetscaping improvements along a portion of Avenue L
Economic Development Project #2: Resiliency Workforce Development

Proposed Project
Expand existing workforce training and connect Canarsie residents to employment opportunities in a range of resiliency-related industries. This project would fund training in areas such as:

- Construction of resilient infrastructure, building improvements, and electrician certification
- Emergency medical technician and home health aide training

Considerations
Do we want to keep this project?
How many people should it reach?
Any other factors?

Costs
$4,000 - $20,000 per enrollee
Economic Development Project #3: Market Analysis

Proposed Project
This would complete a market analysis for the Canarsie Planning Area, with a focus on the three most active commercial corridors: Rockaway Parkway, Flatlands Avenue, and Avenue L. This study would include

- An assessment of any niche or existing specialized markets
- An assessment of the City’s demographics, infrastructure and socio-economic factors and how these relate to the competitive advantages
- Recommendations for stakeholder actions based on this study

Cost: ~$100,000
Strategy:
Improve access between residents and economic and natural resources
Transportation

**Proposed/Featured Project**
1) Commission a transportation and parking study for Canarsie

**Other Projects and Recommendations**
1) Extend City Select Bus Service to Flatlands Avenue
Transportation Project #1: Transportation and Parking Study

Proposed Project
This study would assess and propose solutions for the following transportation-related issues:

- Safety at pedestrian crosswalks and intersections and reduction of traffic speeds
- Parking conditions, including consideration for the potential benefits of new parking structure(s), particularly along commercial corridors and near the Rockaway Parkway L train subway and bus station
- Access along commercial corridors, evacuation routes, and toward the Canarsie shoreline
- Streetscape conditions, including the need for improvements to enhance public rights-of-way for all users
- Existing and future public transportation options, including strategies to make public transportation more widely available and appealing
- Traffic conditions, including ways to improve traffic flow

Cost: $200,000
Drainage

**Strategy:**
Improve wastewater & stormwater management
Drainage

**Proposed/Featured Project**

1) Undertake Canarsie/SE Brooklyn Waterfront-wide drainage study

2) Implement Stormwater Mitigation Pilot Project

**Other Projects and Recommendations**

1) Recommendation for NYC DEP to Assess Area Sewer System and Make Improvements
Drainage Project #1: Stormwater Capture Pilot Project(s)

This potential **Proposed Project** would implement targeted pilot projects and may include the following:

- Measures such as bioswales—landscaped elements to reduce gutter flow and manage water surface ponding—and permeable paving/surface treatments in areas with poor drainage and nonporous surfaces;
- Improvements in and around public and open spaces to enhance area stormwater capture capacity and to strengthen the resiliency of community assets

Cost: ~$1.15 million

Conceptual estimate of probable cost - not for reliance - work in progress.
Housing

Strategy:
Make homes more physically and financially resilient
Housing

Proposed/Featured Project
1) Create housing education program
2) Create home auditing program leading towards a grant/loan program for upgrades and repairs

Other Projects and Recommendations
1) Support SIRR proposal for broader home resiliency grant program

Base Flood Elevation (BFE)
- 4 Feet Below BFE
- At BFE
- 3 Feet Above BFE
Housing Project #1: Homeowner Information and Counseling Program

This project would fund educational resources and one-on-one counseling on homeowner risks, resiliency improvements

Geared at all homeowners in the Planning Area

Counseling services would be based at an existing citywide or Brooklyn-based organization with local offices

Estimated cost: $350,000
(includes staff time, programming, and materials over 2 years)
Housing Project #1: Home auditing program/grant and loan program for upgrades and repairs

Proposed/Featured Project
1) Create home auditing program leading towards a grant/loan program for upgrades and repairs for the 5,400 homes in the high or extreme flood zones

Considerations
How many people should it reach?
Any other factors?

Costs:
Audits:
~$1,000-$5,000 per audit

Grant/loan program:
~$6,000-$20,000 per home

Coastal Protection & Shoreline Access/Activity

Strategy: Reduce vulnerability to coastal flooding and sea level rise; Activate and enhance access along the shoreline
Coastal Protection/Access to Shoreline

**Proposed/Featured Project**

1) Implement Fresh Creek Restoration and Resiliency Pilot Project

2) Implement Canarsie Pier and Beach Pilot Project

3) Establish Canarsie Youth Environmental Education Program

4) Build smaller-scale protection at Paerdegat Basin

**Other Projects and Recommendations**

1) Recommend the USACE fund the creation of a Jamaica Bay-wide surge barrier that minimizes effects on neighboring communities

2) Recommend the USACE undertake smaller-scale protection at Paerdegat Basin
Coastal Project #1: Fresh Creek Resiliency & Restoration Pilot Project
Coastal Project #1: Fresh Creek Resiliency & Restoration Pilot Project

CANARSIE / FRESH CREEK - COMPREHENSIVE PROTECTION AGAINST 10-YEAR SURGE

At Risk Area: Shore Gardens Residential Building
Protection Section: 02 - Shore Gardens

At Risk Area: East of 105th between Flatlands 2nd St and Ave L
Protection Section: 03 - Ave K and 04 - Ave L

At Risk Area: East of 108th between Ave M and Ave N
Protection Section: 05 - Street End

Approx. Flood Elevations (NAVD88)
(FEMA Flood Insurance Study, December 5, 2013)
- < 2 (approx. MHHW)
- 2 - 5 (approx. MHW + 3’ SLR)
- 5 - 6.7 (approx. 10 year storm)
Coastal Project #1: Fresh Creek Resiliency & Restoration Pilot Project

1a – North Access

- Gangway: $900,000
- Low marsh restoration: $3 million
- Park area: $150,000

Cost: ~$4.4 million
Does not include high marsh reforestation.

1b – Shore Gardens

- Cheek wall: $1 million
- Living revetment: $300,000

Cost: ~$1.3 million
Does not include high marsh reforestation.

Conceptual estimate of probable cost - not for reliance - work in progress.
Coastal Project #1: Fresh Creek Resiliency & Restoration Pilot Project

1c – Ave K

- **$75,000**
  - Bioswale

- **$1.5 million**
  - Cheek wall

- **$320,000**
  - Coastal reforestation

**Cost: ~$2 million**
Does not include high marsh reforestation, park amenities, or bike lane asphalt.

1c – Ave L

- **$83,000**
  - Bike lane + Bioswale

- **$1.3 million**
  - Cheek wall

- **[existing]**
  - Bird blind/rec center

- **$320,000**
  - Coastal reforestation

**Cost: ~$2.5 million**
Does not include high/low marsh reforestation, park amenities, or bike lane asphalt.

*Conceptual estimate of probable cost - not for reliance - work in progress*
Coastal Project #1c: Focusing on Ave K and Ave L Enhancements

Cost: ~$4.5 million

Conceptual estimate of probable cost - not for reliance - work in progress
Coastal Project #1: Fresh Creek Resiliency & Restoration Pilot Project

1d – Street End Shoreline Garden

Cost: ~$2 million

1e – Seaview Pier

Bikeway: $40,000
Coastal reforestation: $700,000
Picnic area: $700,000
Gangway: $900,000

Cost: ~$1.7 million

Conceptual estimate of probable cost - not for reliance - work in progress
Coastal Project #1f: Focusing on 10-Year Storm Protection

Cost of Comprehensive Coastal Protection for 10 – Year Storm Surge

~$5 million

Includes linear feet of floodwall construction along at-risk shoreline areas, does not consider drainage

Conceptual estimate of probable cost - not for reliance - work in progress
Coastal Project #2: Canarsie Pier & Beach Restoration

Cost: ~$58.5 million

Conceptual estimate of probable cost - not for reliance - work in progress
Coastal Project #3: Youth Environmental Education Program

This would fund the development of a curriculum and supportive infrastructure for a Canarsie Youth Environmental Education Program.

Cost:
Part-time staffer: $20,000
Signage: <$10,000
Infrastructure: $3-10 million
Coastal Project #4: Paerdegat Basin 100-Year Coastal Protection

PROTECTION FROM A 100 YEAR STORM SURGE

- Protects to elevation of 12 NAVD88
  - 1% annual chance of storm event + 1' freeboard
- Includes:
  - 2,900 linear feet of berms
  - 1,500 linear feet of floodwalls (+ deployables)
  - Stormwater retention/detention areas

Cost: ~$17 million

Conceptual estimate of probable cost - not for reliance – work in progress
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1. NYRCR Program Update 7:00pm
2. Review Comprehensive List of Projects 7:05pm
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4. Next Steps 8:55pm
Public Meeting #3 Approach

Set-up
• Easels and boards organized by strategies

Capturing public feedback
• Approach
• Costs
• Prioritizing projects via sticker-based polling method (to be used as a proxy for public opinion on projects)
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4. Next Steps 8:55pm
Next Steps

1. Public Meeting #3: Monday, November 10
   • Public feedback on projects

2. Committee Meeting #9: Monday, November 17th
   • Committee votes on projects

3. Committee Review of Final Plan
Questions?
Thank you.