Bay Park and Village of East Rockaway Planning Committee Meeting #5
Project Menu Options

January 23, 2014
Tonight’s Agenda

6:30-6:40  Welcome and Sign-in

6:40-6:55  Where we are in the process
What we’ve learned since the last meeting

7:00-8:15  Discuss Project Menu Options

8:15-8:30  Wrap up and Next Steps
Where we are in the process

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<th>Deliverables</th>
<th>Weeks</th>
<th>September</th>
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<td>List of Priority Projects</td>
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- **Draft NYRCR Conceptual Plan**: By October 2014
- **We are here**: By November 2014
- **Final NYRCR Plan**: By March 2014
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
What We’ve Learned Since the Last Meeting

Decide on a Preferred Project Menu Option

1. Business Survey Report
2. Response to email from Committee
3. Summary of Meeting with Nassau County
The Downtown Business Survey

1. How was your business impacted?
   - Extent of the damage - both to individual businesses and to the community at large
   - Employees can’t get to work.
   - Gas to deliver inventory.
   - Supplies aren’t available.
   - Choice between working on damaged business or home first.
   - Initial repairs were paid for out-of-pocket: credit cards, family loans, savings

2. What assistance would have helped you reopen sooner?
   - Quicker access to grant/insurance money
   - Fewer regulatory hurdles (Board of Health, Fire Marshall)
3. What will make East Rockaway’s business/commercial districts stronger overall?

- Shop local program
- Parking
- Upgrade appearance—give the business district a sense of place
- Potential program: Gas pass, like ration cards from WW2—cornerstone recovery businesses (food, building supplies, insurance companies) get first access to fuel
Planning Committee Concerns (Ed’s 12/17 email)

- Funding for a grant writer
- *Meet with Nassau County* to get an understanding of their plans for STP and Bay Park
- Raise Lawson Ave to ameliorate the flooding issue
- Attending to the erosion and flooding problems at *Higbie Creek*
- Consider an alternative project, ie. solar panels on the roofs of our schools
What We Learned Since the Last Meeting

Bay Park Sewage Treatment Plant

The County plans to complete the following repairs to the Sewage Treatment Plant:

• New elevated electrical systems *(should go out to bid this month)*
• Generators with added capacity
• Dike / Berm system around the entire perimeter of the STP designed to protect against the 500 year storm *(elevation 18.1)*
• Sludge Dewatering & Effluent Systems
• Floodproofing of all doors
• New tidegates at two outfalls that serve the plant
What We Learned Since the Last Meeting: 
Bay Park Sewage Treatment Plant

• The County welcomed the concept of Bay Park STP as a hub for a microgrid network that could provide backup power for municipal facilities.
Bay County Park will be used as a staging area for the construction of the dike.

When the dike is complete, Marjorie Lane will be moved to the west of the park, away from the Mill River shore and the park will be improved with ball fields using the STP budget.

Rebuild by Design (RBD) has proposed a natural shoreline along the new edge of the park.
The Six Themes

**THEME A:** Protect the Coastline from Inundation

**THEME B:** Address Stormwater Drainage Issues

**THEME C:** Harden Municipal Infrastructure

**THEME D:** Improve Overall Quality of Life

**THEME E:** Strengthen & Protect the Local Economy

**THEME F:** Leverage Improvements to Bay Park STP

$6.6 Million
Priority & Featured Projects

- B 2  Lawson Avenue Drainage Improvements
- C 7  Grant Writer
- F 2  Microgrid network for backup power supply at Bay Park STP
- B 4  Integrated Stormwater Management Measures in Higbie Creek
- B 3  Green Infrastructure Implementation Program
- D 1/E 2 Downtown Resiliency and Redevelopment Strategic Plan
- C 2  Microgrid network for backup power supply at Village Hall and Senior Center
- C 3  Harden East Rockaway DPW Garage and John Street Recreation Center
- E 1  Program for Floodproofing of Downtown Business
- C 6  Construct pedestrian bridges in Bay Park
- D 2  Neighborhood Home Improvement Assistance Program
- C 1  Nassau County Continuity of Operations Plan
- C 4  Expand mobile disaster response capacity in ER through Village Purchasing Program
Lawson Avenue Drainage Improvements: *The Issues*

1. No Check Valves at Outfall Structures
2. Inadequate slope on Franklin Street trunk line - section (BC)
3. Large volume of stormwater flows at the head of Lawson Ave.
Lawson Avenue Drainage Improvements

Phase 1: Installation of Check Valves and H&H study
Lawson Avenue Drainage Improvements

Phase 2A: Retention of upstream storage
Lawson Avenue Drainage Improvements

Phase 2B: Road Raising (Preferred Option)

- Easement needed on private property.
- Lawns and driveways need to be re-graded and landscaped.
- Street trees have to be removed.
- Raising the road may cause flooding on private property.
Lawson Avenue Drainage Improvements:
Future Green Infrastructure
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<tr>
<th>Phase 1</th>
<th>Phase 2</th>
<th>Future Phases</th>
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<tr>
<td>Install Check Valves and Hydrologic and Hydraulic (H&amp;H) study</td>
<td>Additional Hard Infrastructure Storm water Capture and Road Raising</td>
<td>Green Infrastructure Projects</td>
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<td>1. South Lawson Avenue Area Green Street Projects</td>
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<td>2. Other Streets Green Infrastructure Projects</td>
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Micro-Grid:

• The County welcomed the concept of *Bay Park STP as a hub for a microgrid* network that could provide backup power for municipal facilities.

• If the electricity needs for the community facilities go beyond the capacity of the STP’s generators, the County could provide a ‘pad’ within the STP dike / berm for a generator (paid for with CDBG-DR funds) to power the microgrid.
Higbie Creek:

Project Cost Includes baseline studies, environmental analysis and implementation to include:

- Dredging the creek within its navigable extent
- Installation of check valves on outfalls to limit backup of tidal water
- Bulkhead replacement
- Wetlands restoration

- Additional $2,000,000 cost for 2 Pedestrian Bridges to provide alternate evacuation routes for residents in Bay Park
Downtown Strategic Plan
Plan & Vignettes

100 Year Flood Plain

Parks and Open Spaces

Make Room for the River

Integrate Open Spaces for Storm Defense

Storm Defense Park, Hamburg

Main Street, Annapolis

Use River as an Asset for Economic Development
Downtown Strategic Plan
Harden DPW:

Project Cost Includes:

• Purchase of removable flood walls for perimeter of building
• Dry flood proofing of doors and building perimeter
• Sump pump with electric, piping and interior drain
• Environmental analysis, regulatory approvals and permit requirements
Housing Policy Proposal

*Elevation Revolving Loan Fund – Pilot Program*

**Issues:**

- Funding gap between funds available for repairs and funds needed to raise homes to become more resilient.

- Imminent new flood insurance requirements for homes that are not elevated will dramatically increase monthly households carrying costs and destabilize middle and moderate income households.
**Housing Policy Proposal**

*Elevation Revolving Loan Fund – Pilot Program*

**Proposal:**

To Use CDBG-DR funds to provide subordinate financing to fund necessary elevations for new flood zone requirements as a pilot program to leverage more federal, state and local funding for bat risk building elevations.
Housing Policy Proposal

*Elevation Revolving Loan Fund – Pilot Program*

**Implementation:**

- The PILOT can be administered through a local bank or Community Development Funding Institution (CDFI).
- The subordinate financing would be provided in exchange for debt service repaid into the fund or for borrowers who cannot afford additional debt service, long term affordability requirements would be recorded with the subordinate debt.
Housing Policy Proposal

**Elevation Revolving Loan Fund – Pilot Program**

**Cost:**

- Costs for elevating a home range from $80-$100k.
- Funding the Pilot with between $800k to $1M should enable at least 10 building elevations and potentially lead to expanded funding for the remaining at risk households in the area.
Regional Project:

Town of Hempstead Shoreline Improvement Program:

- $50,000 suggested allocation per NYRCR Community to establish a ‘Flood Protection Improvement District’
Project Menu 1

Menu 1: $6,300,000

A2: Town of Hempstead Shoreline Improvement Program: $100,000

C7: Grant Writer: $50,000

Lawson Avenue Drainage Improvements
Phase 1: Installation of Check Valves and study: $1,400,000

Lawson Avenue Drainage Improvements
Phase 2: Retention of upstream storage for flows from north of Main Street: $4,500,000

Install Solar Panels at Schools: $250,000
Menu 2: $6,545,000
A2 Town of Hempstead Shoreline Improvement Program: $100,000
C7 Grant Writer: $50,000

- Lawson Avenue Drainage Improvements
  Phase 1: Installation of Check Valves and study
  $1,400,000

- Integrated Stormwater Management Measures in Higbie Creek
  $1,400,000

- Program for Floodproofing of Downtown Business
  $150,000

- Microgrid Network for Backup Power Supply at Bay Park
  $3,000,000

- Install Solar Panels at School
  $250,000

Downtown Resiliency and Redevelopment Strategic Plan
$195,000
Project Menu 3

Menu 3: $6,005,000

A2. Town of Hempstead Shoreline Improvement Program: $100,000

C7. Grant Writer: $50,000

Lawson Avenue Drainage Improvements
Phase 1: Installation of Check Valves and study $1,400,000

Integrated Stormwater Management Measures in Higbie Creek $1,400,000

Construct pedestrian bridges in Bay Park: $2,000,000

Install Solar Panels at School: $250,000

Downtown Resiliency and Redevelopment Strategic Plan: $195,000

Program for Floodproofing of Downtown Business: $150,000

Harden East Rockaway DPW Garage and John Street Recreation Center: $460,000
Next Steps

- Draft NYRCR Conceptual Plan
- We are here
- Final NYRCR Plan By March 2014
Priority and Featured Projects

A. Protect the Coastline from Flooding
   - Town of Hempstead Shoreline Improvement Program

B. Address Recurring Stormwater Drainage Issues
   - Lawson Avenue Drainage Improvements
     - Phase 1: Installation of Check Valves and study
     - Phase 2: Retention of upstream storage for flows from north of Main Street
   - Green Infrastructure Implementation Program
   - Integrated Stormwater Management Measures in Higbie Creek

C. Harden Municipal Infrastructure and Improve Capacity to Respond to Storm Events
   - Nassau County Continuity of Operations Plan
   - Microgrid network for backup power supply at Village Hall and Senior Center
   - Harden East Rockaway DPW Garage and John Street Recreation Center
   - Expand Mobile Disaster Response Capacity in East Rockaway through Village Purchasing Program
   - Construct pedestrian bridges in Bay Park

D. Improve the Overall Quality of Life to Maintain Housing Values and Give People a Reason to Stay and Invest in the Community
   - Downtown Resiliency and Redevelopment Strategic Plan
   - Neighborhood Home Improvement Assistance Program
   - Pocket parks on West Boulevard, Bay Park

E. Strengthen and Protect the Local Economy
   - Program for Floodproofing of Downtown Business
   - Downtown Resiliency and Redevelopment Strategic Plan

F. Leverage the Bay Park STP
   - Microgrid Network for Backup Power Supply at Bay Park STP