Planning Committee Meeting #7
6:00pm – 8:00pm, 12/20/13
Brooklyn Amity School
3867 Shore Parkway, Brooklyn, NY
Meeting Agenda

Welcome and Introductions

Project Progress to Date

Review of 12/06 meeting and project identification under Infrastructure and Housing recovery functions

Project Illustration Discussion and Project Identification for Community Planning and Capacity Building and Health and Social Services recovery functions

Initial Project List:
Discussion and Schedule for Submittal

Third Public Engagement Event (Feb. 2014):
Discussion of date and venue

Questions from Public

Next Steps
PROGRESS TO DATE
NYRCP Program Overview

Meeting Objectives

Identify Assets And Risks

Define Needs, Opportunities, And Vision

Identify, Evaluate, And Prioritize Projects And Actions

Identify Funding Sources
Risk Assessment
Benefit/Cost
Develop
Implementation Plan

Create Final Community Reconstruction Plan

Oct 28
Conceptual Plan

December 30
Initial Project List

January 30
Priority Project List

February 2014
Draft NYRCP Plan

March 31
Final NYRCP Plan

Gerritsen Beach and Sheepshead Bay Committee Meeting
**Work Schedule**

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<th>Deliverables</th>
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Public Engagement Event

Planning Committee Meeting

**Gerritsen Beach and Sheepshead Bay Committee Meeting**
12/06 Meeting: Project identification under Infrastructure and Housing recovery functions

Infrastructure projects for further refinement:

**Measures to Protect Belt Parkway and Reduce Erosion and Wave Overtopping:**
Infrastructure measures should be evaluated for placement south of the Belt Parkway (along Plumb Beach) and east of Sheepshead Inlet. Such measures could include wetlands and dunes, breakwaters and revetments, groins, and such as wetlands and dunes, oyster beds, reefs, beach replenishment, and “living shorelines”. Placement of such measures could reduce storm impacts, particularly from waves, along a narrow stretch of the Belt Parkway, protecting Plumb Beach Channel, Gerritsen Beach, and Sheepshead Inlet.

**Deployable Flood Barrier System along Emmons Avenue** – Protecting the commercial corridor of Emmons Avenue is a committee priority. The feasibility of deployable flood barriers at this and other key locations will be evaluated.

**Backflow Prevention Measures:** Another key priority is reducing the volume of interior flooding due to high water levels backing up storm drains. Backflow prevention devices, such as TideFlex valves and flap gates, are an effective means of addressing the problem. The committee identified pipes on Ocean Avenue, 28th St., Bragg St., Beach St., and New Brigham Park as candidate locations for further evaluation. Additional locations will be identified and evaluated.

**Flood Barrier and Gate System at Gerritsen Inlet:** Prepare initial scope and feasibility analysis, including order of magnitude costs, for construction of a flood barrier and gate system at the Inlet. Note: system to be separate from existing Belt Parkway Bridge
Housing projects for further refinement:

**Elevating Mechanical Equipment:** This work to be evaluated in the context of protecting key community assets, such as the Vollies Training Hall, and housing for vulnerable populations, such as assisted living facilities. A list of additional sites to be considered will be developed with committee input.

**Financial Assistance:** Develop a grant/loan program to help residents elevate or retrofit homes in high-risk areas to reduce future vulnerability to flood damage.

**Sewer Connection Cut-Off Valves:** Install valves in homes to prevent sewer backflow.

**Elevation and Retrofit of Homes:** Identify structures suitable for elevation and owners willing to participate. Include modifications needed to maintain accessibility to senior citizens and those with physical disability; e.g., installation of exterior lifts or ramps.
PROJECT ILLUSTRATION
COMMUNITY PLANNING AND CAPACITY BUILDING
NYC Hurricane Sandy After Action: Report and Recommendations (The Mayor’s Office)

Provides specific recommendations for NYC agencies to improve operations, coordination, and deployment of resources in anticipation of future storm events, addressing:

- Communications
- General and healthcare facility evacuations
- Public safety; sheltering; response and recovery logistics
- Community recovery services and ongoing recovery issues
After Sandy Report (ULI)

• Urban Land Institute convened a panel of experts from the fields of infrastructure, design, real estate development, finance and investment, and public policy, climate change and sustainability.

• The report provides an assessment of disaster preparedness and practical tools for risk preparation and strengthening.

Rebuild by Design (HUD)

- Collaborative initiative of HUD and the President’s Hurricane Sandy Rebuilding Task Force
- Multiple fields (planning, design, engineering, science)
- Identify community vulnerabilities post-Sandy
- Identified fundable design and policy solutions to promote resiliency against future hazards

http://www.rebuildbydesign.org/projects/
Building Resiliency Task Force (Urban Green Council)

A number of proposals on building resiliency measures for commercial buildings, multi-family residences, hospitals, and family homes for the NY metropolitan area.

http://issuu.com/urbangreen/docs/brtf_full_report
AIA Post-Sandy Initiative

Planning and design teams propose transportation, infrastructure, housing, commercial building, codes, zoning, and waterfront resilience measures and solutions in the wake of Sandy

http://postsandyinitiative.org/
The Post-Sandy Neighborhood Assessment Project (Architecture for Humanity)

This study by Architecture for Humanity represents a collaborative effort by design, construction, and development experts to provide resiliency ideas and capacity building proposals in the wake of Sandy.

http://openarchitecturenetwork.org/sites/default/files/active/43/ArchitectureForHumanityNewYork_Neighborhood%20Assessment%20Project.pdf
Holistic Disaster Recovery, Ideas for Building Local Sustainability after a Natural Disaster (University of Oregon)

Overview of resiliency and reconstruction strategies

http://csc.uoregon.edu/opdr/sites/csc.uoregon.edu.opdr/files/HDR.pdf
Redundant communications system (State of Louisiana)

Developed post-Katrina, the Tactical Interoperable Communications Plan provides state-of-the-art telecom systems for voice interoperability among all public-safety personnel (local, state, and federal levels)

http://www.evaccenter.lsu.edu/pub/10-02.pdf
Shared service emergency response complex (St. Bernard Parish, Louisiana)

- Centralized public safety complex w/all emergency functions (911, police, fire)
- Elevated and wind-resistant construction in concrete building
- On-site power generation, shelter, and communications equipment

Centralized public safety complex, St. Bernard Parish, LA
Wind insurance mitigation credits (North Carolina)

• The North Carolina General Assembly has determined that wind-resistant features on coastal buildings and homes should qualify for mitigation credits on insurance policies.
• Many existing buildings would be eligible for the lower insurance rates, and new coastal buildings are expected to be designed to qualify.
• Such features can be considered for rebuilding and retrofit of key community facilities in Gerritsen Beach and Sheepshead Bay, such as fire stations and shelters.
Early Warning Systems through Personal Cell Phones

- Program in New York area to measure water elevations through networked sensors

- High tide and water levels warnings can be relayed through cell phones, downloadable applications, computers, and radios to provide real-time updates

Road resilience network (London)

- Road resilience network to specify the minimum number and distribution of roadways that are required to be continuously kept open in severe winter weather.
- The network ensures continuity across neighborhood boundaries, access to the broader road network, and allows essential services to operate reliably and safely.
- Relevant to GB/SB, due to limited ingress/egress routes.
Open-Source Crisis Mapping and Crowdsourcing

• Software for emergency mapping

• Provides immediate information to residents

• Locate problem areas (evacuation, supply, medical and shelter needs)

• Variety of methods to input data (texting, Facebook, etc.)

• Data collected at central location which allows coordinated response

• Similar software and crowdsourcing techniques were used in New York during Hurricane Irene and Superstorm Sandy
HEALTH AND SOCIAL SERVICES
Potential Projects and Actions

• Develop response teams to check on and assist residents on a regular basis until normal services are restored
• Activate mobile pharmacies and medical treatment vans
• Develop an emergency plan to provide food, water, and shelter to vulnerable populations post-storm (e.g., a Memorandum of Understanding with food assistance groups, such as Meals on Wheels)
• Activate CERT and Gerritsen Beach Volunteer Fire Department responders to assist in the evacuation of seniors and mobility-impaired
• Retrofit assisted-living facilities so residents can shelter-in-place under certain circumstances (e.g., elevate or floodproof mechanical and utility systems)
Potential Projects and Actions

• Use an “all hazards” approach in designing building retrofit and preparedness measures: flood, hurricane, snowstorm, fire, earthquake, tornado, epidemics, etc.

• Develop a special needs registry of seniors and the mobility-impaired for evacuation or in-place care

• Similar projects as listed in Community Planning and Capacity Building, including:
  – Create a cell phone notification program for emergency situations
  – Prepare a registry of residents with special needs that must be addressed during evacuation or shelter-in-place; e.g., require oxygen
  – Utilize “block captain” program to disseminate information to residents pre- and post-event
  – Augment disaster communications through use of radio/TV, reverse-911 calling, “robocalls”, and community websites
Mobile health clinics

• Provide medical care to low income, seniors, disabled, and vulnerable populations.
• Clinics could be run in partnership with those hospitals that provide such services and would be made available before, during and after storms.
• Such clinics used in Long Island after Sandy.
Child locator and reunification system (National Center for Missing and Exploited Children)

Reunites children with their parents or legal guardians in the aftermath of a disaster. In emergency situations, the center deploys staff to shelters, operates a telephone bank, manages calls concerning missing children, assists local authorities to reunite children with their caregivers, and coordinates efforts with local law enforcement.

http://www.fema.gov/individual-assistance-program-tools/individual-assistance-national-emergency-child-locator-center
Expanded CERT capacity

- Provide expanded training, equipment, and facilities to address full range of hazards
- Assist in evacuation of injured, senior citizens, children, mobility-impaired
Emergency Notification System

- Develop a registry for notification
- Useful for people with special needs
Due on December 30th

Overview information on each submitted project

Schedule for submittal:
URS to send to NY Rising on 12/23
3rd Public Engagement Event

• Purpose: to present priority project information to public

• Hold by February 28, 2014

• Venue options: Kingsborough Community College, Kings Bay Y, Amity School, others?

• Public outreach (prepare and begin distribution of materials before Feb. 1)
Questions and Next Steps
Online info

Community Reconstruction Program Website
http://stormrecovery.ny.gov/community-reconstruction-program

Gerritsen Beach and Sheepshead Bay Community Reconstruction Website:

Or search for **NY Rising** and follow the links
Welcome and Introductions

- Project Progress to Date
- Strategies Document
- Project Illustration: Flood Reduction and Building Retrofit

Questions and Next Steps
Working Together
To Empower and Rebuild
Gerritsen Beach and
Sheepshead Bay

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