Agenda

1. Program update 7:00 – 7:15
2. Key project review 7:15 – 8:55
3. Next steps 8:55 – 9:00
Committee Meeting 7: Project refinement

Objectives:

- Confirm Public Meeting #3 approach
- Review and refine scope of key projects
## NY Rising Community Reconstruction Program Schedule

<table>
<thead>
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</tr>
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<tbody>
<tr>
<td>Preliminary Project Reporting</td>
<td></td>
<td></td>
<td>Dec. 31</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Confirm Priority Projects</td>
<td></td>
<td>6</td>
<td>7</td>
<td>Jan. 31</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Project Analysis &amp; Final Priority Project Selection</td>
<td></td>
<td>8</td>
<td>3</td>
<td>9</td>
<td>Mid-March</td>
<td></td>
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<tr>
<td>Final Community Reconstruction Plan</td>
<td></td>
<td></td>
<td></td>
<td>10</td>
<td>Mar. 31</td>
<td></td>
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<tr>
<td>Final Conference &amp; Public Meeting</td>
<td></td>
<td></td>
<td></td>
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<td>4</td>
</tr>
</tbody>
</table>
Refined DOS deliverables approach

By end of January, finalize “Priority CDBG-DR Projects” and “Featured Projects” for Rockaway West

Total list of projects add up to more than $21 million
- In February consultants will analyze and cost projects, NYS DOS determines CDBG-DR eligibility of projects
- Committee will continue to coordinate mid-March which project(s) to submit for NY Rising funding

Initiatives not on the CDBG-DR Priority Project or Featured Project list can still be included in the Final Community Reconstruction Plan
- Additional projects, recommendations, or actions
- Suggested regulatory reforms
Public Meeting #3 Approach

Friday, Feb 28-Sunday, March 2
Proposed time:
Friday – 12 - ?
Saturday – ?
Sunday – 12 - 6

Location:
- Rockaway Beach Surf Club
- Flyering throughout parade route

Need to Confirm:
- Time
- Location
- Staffing
Agenda

1. Program update 7:00 – 7:15
2. Key project review 7:15 – 8:55
3. Next steps 8:55 – 9:00
Key Project Review

Last time we spoke about

- Ferry/Transportation
- Coastal Protection

Tonight we will focus on reviewing all remaining projects

- Coastal Protection
- Water Management
- Health
- Other Emergency Readiness/Response
- Best options for supporting long-term ferry operations
- Housing
Agenda

1. Program update  7:00 – 7:15
2. Key project review  7:15 – 8:55
3. Next steps  8:55 – 9:00
Coastal Protection

Priority/Featured Projects
1) Targeted coastal protection east of Cross Bay Bridge

Other Projects and Recommendations
1) Work with USACE to build up and expand upon ocean edge projects
2) Work with City and Federal agencies to repair bulkhead and raise bay wall
3) Develop Jamaica Bay surge protection strategy
4) Work with NPS to strengthen western edge of Rockaway West along Ft. Tilden
5) Targeted coastal protection intervention project along bay?
Potential Projects: Bay side
Potential Projects: Bay side

Protected up to 8’-9’ of surge
Coastal Protection: East of Cross Bay Bridge

- Repair or raise bulkheads
- Construct berms, floodwalls, and armored levees
- Tie into potential Rockaway East protection measures
- Cost approx. $18M-$22M
Coastal Protection: East of Cross Bay Bridge

- Measures can provide protection against:
  - More frequent storm events
  - Sea level rise
  - Moon tides
  - Wave action

- Not protection against 100-year storm
Coastal Protection: East of Cross Bay Bridge Cost*

Total approx. cost of all projects: $18M - $22M

*Conceptual estimate of probable cost - not for reliance - work-in-progress
Coastal Protection

Priority/Featured Projects
1) Targeted coastal protection east of Cross Bay Bridge

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5) Targeted coastal protection intervention project along bay?
Drainage

Priority/Featured Projects
1) Fund right-of-way bioswales

Other Projects and Recommendations
1) Recommend
   NYCDEP/NYCDOT/NYCDPR
   incorporate stormwater management
   in Shore Front Parkway reconstruction
2) Recommend earlier completion of
   Shore Front Parkway reconstruction
3) Work with NYCDEP to understand and
   improve system maintenance
The problem:
Flooding of low-lying land
Other flooding conditions
311 Complaints to NYCDEP about street flooding
City Projects

- DEP sewer projects in eastern portion of planning area
- Shore Front Parkway reconstruction project
Potential Approaches

- **Keep excess water out of system**
  - “Green” infrastructure to capture and absorb stormwater
  - “Blue” infrastructure for temporary detention of stormwater

- **Ongoing and regular maintenance to keep things flowing in heavy downpours or to clear flooding from surge**
  - Catch basins
  - Network of pipe infrastructure

- **Better management of system assets**
  - Understanding condition, age, locations of compromise, etc., of the system
Right of Way Bioswale

- Approx. cost $30,000* each
  - Approx. $12M* for 2 bioswales on every block in Rockaway West

- Stormwater benefits
  - Keeps some amount of stormwater out of the system
  - Recharges groundwater system

- Co-benefits
  - Air quality
  - Streetscape/beautification
  - Heat island effect

- Challenges
  - Finding space
  - Ongoing maintenance & upkeep
  - Understanding subsurface conditions

*Conceptual estimate of probable cost - not for reliance - work-in-progress
Drainage

Priority/Featured Projects
1) Fund right-of-way bioswales

Other Projects and Recommendations
1) Recommend
   NYCDEP/NYCDOT/NYCDPR
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   in Shore Front Parkway reconstruction
2) Recommend earlier completion of
   Shore Front Parkway reconstruction
3) Work with NYCDEP to understand and
   improve system maintenance
Health Care

Priority/Featured Projects

1) Issue an RFP to solicit new health services for residents in South Queens
Types of healthcare facilities & services

Lower level of service

Any size population, Less funding

Higher level of service

Larger population, More funding

MOBILE MEDICAL VAN

- Basic primary care
- Prescriptions
- Can serve areas that lack larger medical facilities

WALK-IN URGENT CARE

- Treatment of variety of non-life-threatening injuries
- Minor medical procedures
- Limited on-site diagnostic equipment

AMBULATORY CENTER

- Mix of medical and surgical specialties
- Outpatient procedures and surgeries
- Comprehensive diagnostic equipment

HOSPITAL

- Severe trauma and life-threatening injuries, as well as less serious conditions
- Surgical services
Current health care needs and conditions in Rockaway West

There is sufficient demand to accommodate additional health care services
- 9,000 visits annually for urgent care in Rockaway West
- 11,000 visits annually for urgent care including Breezy Point and Broad Channel

Hospital services
- Peninsula Hospital
  - Primary provider on peninsula
  - Closed in 2012
- St. John’s Episcopal Hospital

Other Health Services
- 4 diagnostic/treatment centers (primarily physical therapy)
- 4 long-term care providers

<table>
<thead>
<tr>
<th>Facility</th>
<th>Patient volume*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Peninsula Hospital Center, Far Rockaway (closed 2012)</td>
<td>22%</td>
</tr>
<tr>
<td>St. John's Episcopal Hospital, Far Rockaway</td>
<td>15%</td>
</tr>
<tr>
<td>Kingsbrook Jewish Medical Center, Brooklyn</td>
<td>6%</td>
</tr>
<tr>
<td>Other</td>
<td>57%</td>
</tr>
</tbody>
</table>

* By inpatient days
Source: Statewide Planning and Research Cooperative System (SPARCS), New York Department of Health
Rockaway West: Hospitals within a 25-mile drive

7 hospitals within a 25 minute drive sufficient day to day, but insufficient for population during large emergencies

- Coming: urgent care facility
- Coming: ambulatory care center (91st/90th)
- Addaboo Family Health Center
Develop South Queens Health Care Strategy

**Potential Project:** Expand South Queens health care services by building health care campus around anchor tenant in Rockaway West

**Approaches**
- Build new health care campus around anchor tenant (e.g. on National Grid land or other site)
- Add on to City plans to develop courthouse location
  - Add services (e.g. ancillary services, such as imaging)
  - Build nearby
What can we do through the NY Rising Program?

1. ISSUE RFP
   - NO FEE
     - Select anchor tenant
     - Select developer to survey market, identify tenants, build-out facility
   - FEE (OUTSOURCE)
     - Select anchor tenant
     - Issue RFP to select developer
     - Developer surveys market, identifies tenants, builds-out facility

2. PROVIDE CAPITAL
   - Create incentive for developer to build health care services by:
     - Purchasing existing site (e.g. National Grid)
     - Subsidize developer

~$0–$200,000
Opportunities to Build on Existing Courthouse Project

OPTIONS
1. Negotiate scope via EDC to expand courthouse site
2. New site near courthouse

Vacant Land
City-owned
Owned by McDonald’s – Zoned R4
Residential
Opportunities to Build New Facility at 108th Street
## Considerations

<table>
<thead>
<tr>
<th><strong>Expand courthouse project</strong></th>
<th><strong>Pros:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- Aggregates health care services</td>
</tr>
<tr>
<td></td>
<td>- Feeds into existing RFP</td>
</tr>
<tr>
<td></td>
<td>- Co-location can provide greater visibility, enhancing viability</td>
</tr>
<tr>
<td><strong>Cons:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Must negotiate additions to existing site/scope</td>
</tr>
<tr>
<td></td>
<td>- Ability to retrofit facility for healthcare use uncertain</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Build new facility</strong></th>
<th><strong>Pros:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>- Greater flexibility in developing scope of services</td>
</tr>
<tr>
<td><strong>Cons:</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Potential to be more costly (assuming retrofit feasible in other option)</td>
</tr>
<tr>
<td></td>
<td>- Disaggregates community health services</td>
</tr>
</tbody>
</table>
Discussion

- **Location** - Do you have a preference for:
  - New facility (e.g. near courthouse or at National Grid?)
  - Building on existing site (e.g. courthouse)

- **Funding** - Would you put funding toward both:
  - Issuing an RFP
  - Providing capital?

- **Anything else?**
Emergency Preparedness

Priority/Featured Project

1) Identify/strengthen emergency relief center

Other Projects and Recommendations

1) The planning committee recommends that the city, state, and foundations help to build up the capacity of local non-profits to ensure overall resiliency and build community social capital.
Creating a Rockaway West relief center

What is a relief center?

- Provides emergency services (access to health and social services, food, water, supplies)
- Information hub during an emergency
- Gathering place for evacuation
- *It is not a shelter or evacuation center*

Considerations

- How the center functions 365 days a year (stewardship, maintenance, programming)
- Location within community
- Overall ownership and governance – day-to-day and in an emergency

Volunteers during Sandy.
Location considerations – Hub and Satellites

HUB – Large Community Space where logistics, communications, and supplies can be managed and distributed

SATELLITE – Smaller locations through community that can serve as distribution center for supplies and information
## Relief Center Hub Screening Considerations

### LOCATION
- Outside of extreme flood-risk zone
- Proximity to:
  - Evacuation route or near road with quick, reliable access to route
  - Vulnerable populations
  - Commercial centers, corridors
- Has a large outdoor space to accommodate possible building expansion and outdoor space
- Ease of access and approachability from street

### BUILDING
- Flood-proof: building must be able to be hardened
  - Should not be an unreinforced masonry building or made of lightweight materials
- Reliable source of power and heat/cooling
- Potable water system
- Restrooms with showers
- Parking lot/car-accessible
- Large space on ground floor
- Must be capable of accommodating and providing services to people within designated catchment area
- ADA-accessible

### ORGANIZATION
- Manages programming and operations
- Has a long history of community engagement
- Provides regular programming and has capacity to provide emergency programming
- Conducts outreach to vulnerable populations
- Has capacity to provide social and health services
- Has a long-term occupancy agreement
- Has a business continuity plan
- Is financially stable
Relief center campus:
Health and social services, food, water, supplies, first responders, information

Satellite: Beach Channel High School

Satellite: The Wave
Siting Rockaway West Satellites

Rockaway West

Plan Area

Assets

B - Community, Cultural, or Religious Establishments
B - Health
B - Education
B - Emergency Response
B - Other

FDNY Eng 268th, Lad 137th
Queen's Borough Public Library
Beach Channel High School
PS 323 Scholars Academy
Rockaway Beach Firehouse
NYPD 100th Precinct
Queens Borough Public Library
Doctors of the World Clinic
Key Food
Waterside School for Leadership
Religious institution
Martin De Porres High School
Saint Frances De Sales School
PSMS 114 Belle Harbor
Discussion

What are the key services you would like to see in a relief center?

What locations would you like to consider for Rockaway West?
  • Hub?
    • Existing sites
    • New Development Opportunities
  • Satellite?

What organizations may be able to support a relief center?
Emergency Preparedness

Priority/Featured Project
1) Identify/strengthen emergency relief center

Other Projects and Recommendations
1) The planning committee recommends that the city, state, and foundations help to build up the capacity of local non-profits to ensure overall resiliency and build community social capital
Ferry Updates

Temporary Weekday Service:
Nov 2012 - May/July 2014
Fare: $3.50

RFP to be issued by EDC seeking a permanent operator

What can the committee fund to make this service sustainable and likely to find a permanent operator?
## Ferry Service Funding Sources and Uses

<table>
<thead>
<tr>
<th>Existing Funding Sources</th>
<th>Potential Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15M Rockaway Federal Allocation</td>
<td>Capital Investments</td>
</tr>
<tr>
<td>• Set aside 2005</td>
<td>• Originally intended to purchase ferries</td>
</tr>
<tr>
<td>$3.6M NYC Match</td>
<td>Capital Investments</td>
</tr>
<tr>
<td>• Set aside last year</td>
<td>• Geared toward ferry landings and upland improvements</td>
</tr>
</tbody>
</table>

### POTENTIAL Funding Sources

<table>
<thead>
<tr>
<th>POTENTIAL Funding Sources</th>
<th>Potential Uses</th>
</tr>
</thead>
<tbody>
<tr>
<td>$?? NY Rising Allocation</td>
<td>Capital Investments</td>
</tr>
<tr>
<td></td>
<td>Operating Costs if bundled with sustainability plan</td>
</tr>
<tr>
<td>$3 Billion Federal Transportation NOFA</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>• For Sandy-impacted areas</td>
<td></td>
</tr>
<tr>
<td>• Due this quarter</td>
<td></td>
</tr>
<tr>
<td>$600 Million TIGER Grant</td>
<td>To be confirmed</td>
</tr>
<tr>
<td>• NOFA expected late April</td>
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</table>
NY Rising Funding Ideas

<table>
<thead>
<tr>
<th>Potential Uses</th>
<th>Potential Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Operating Costs</td>
<td>Could go directly as subsidy to offload the cost and overall rider fare</td>
</tr>
<tr>
<td>2. Other Capital Costs, such as new, more efficient ferries or bayside</td>
<td>Could help reduce the overall operating cost, therefore reducing total cost, subsidy need, and ideally fare</td>
</tr>
<tr>
<td>improvements</td>
<td></td>
</tr>
<tr>
<td>3. Other Capital Costs, such as a new parking garage or ferry fuel station</td>
<td>Could explore building parking garage and using revenues to offset ferry costs</td>
</tr>
<tr>
<td>4. Other?</td>
<td>Could explore improving ridership by improving the connectivity to the ferry landing (bike share, shuttle bus) or development opportunities where developer could offset ferry costs (e.g. Red Hook Ikea model)</td>
</tr>
</tbody>
</table>
Economic Development and Transportation

Priority/Featured Project
1) Build park/greenway along Beach Channel Drive, tying into B 108th Street ferry landing
2) Improve streetscaping along B108th Street
3) Acquisition and redevelopment of National Grid site
4) Implement bike share or shuttle bus network
Build park/greenway along Beach Channel Drive, tying into B 108th Street ferry landing
Improve streetscaping along B108th Street

Existing

Proposed

Section C
Improve streetscaping along B108th Street

Existing

Proposed
Acquire and Redevelop National Grid site
Economic Development and Transportation

Priority/Featured Project
1) Build park/greenway along Beach Channel Drive, tying into B 108th Street ferry landing
2) Improve streetscaping along B108th Street
3) Acquisition and redevelopment of National Grid site
4) Implement bike share or shuttle bus network
Housing

**Priority/Featured Projects**
1) Program for technical assistance and counseling for homeowners
2) Education program for resiliency and recovery

**Other Projects and Recommendations**
1) Low/no cost loan or grants for resiliency improvements
2) Establish requirements for multi-family building owners to create and communicate emergency plans and ensure safety of residents
Technical Assistance and Counseling for Homeowners

- Fund program that provides technical assistance for homes not eligible for Build It Back to:
  - Identify potential retrofits to mitigate against future storm damage
  - Provide elevation certificates
  - Possibly fund some capital interventions (e.g. backflow preventer valves)

- Expand existing counseling program to offer homeowners:
  - Individually-tailored counseling on insurance, financial and rebuilding issues
  - Assistance in determining financing strategies to pay for resiliency retrofits
Education Program for Resiliency and Recovery

- Provide education assistance to single and multi-family homeowners, as well as renters to eliminate confusion around rebuilding and retrofitting for resiliency, flood insurance and other financial questions.

- Education could be offered in the form of:
  - Community-wide introductory courses on financial and insurance literacy, recovery issues, etc.
  - Ongoing education coordinated by local CBOs on financial literacy and other homeowner issues.
  - Computer-based training available to individuals.

- Establish a housing/resiliency information clearinghouse:
  - A tool, website, manual or information center should be developed to serve as a one-stop-shop for all resiliency information.
  - Information on permitting process, FEMA claims, insurance claims, and other resources collected from physical technical assistance and individual counseling would be available in an easily accessible format.
Housing

Priority/Featured Projects
1) Program for technical assistance and counseling for homeowners
2) Education program for resiliency and recovery

Other Projects and Recommendations
1) Low/no cost loan or grants for resiliency improvements
2) Establish requirements for multi-family building owners to create and communicate emergency plans and ensure safety of residents
Agenda

1. Program update 7:00 – 7:15
2. Key project review 7:15 – 8:55
3. Next steps 8:55 – 9:00
Key Next Steps

Follow-up on actions/questions:
  • Ferry infrastructure and NY Rising eligible projects
  • Emergency Relief Center
  • Health

Schedule time to discuss:
  • Project evaluation and risk assessment

Confirm Public Meeting #3:
  • Location
  • Dates
  • Staffing

Other?
### DOS evaluation criteria for NY Rising project prioritization

<table>
<thead>
<tr>
<th>Term</th>
<th>Feasibility</th>
<th>Cost</th>
<th>Risk Reduction</th>
<th>Co-Benefits</th>
<th>Potential CDBG-DR Eligibility</th>
<th>Other Criteria?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Short (1-2yrs), Mid (2-5yrs), Long (5+yrs)</td>
<td>High, Medium, Low</td>
<td>High, Medium, Low</td>
<td>High, Medium, Low</td>
<td>Resiliency Co-Benefits, Non-Resiliency Co-Benefits</td>
<td>High, Medium, Low</td>
<td></td>
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</tbody>
</table>
## DOS criteria defined

<table>
<thead>
<tr>
<th>Criteria:</th>
<th>Feasibility</th>
<th>Cost*</th>
<th>Risk Reduction</th>
<th>Co-Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>High</td>
<td>Little to no physical, regulatory, or political impediments to implementation. Could initiate program/construction, given the funding, within a year</td>
<td>$1-3M</td>
<td>Eliminates threat or thoroughly protects</td>
<td>Co-Benefits include both resiliency and non-resiliency related benefits.</td>
</tr>
<tr>
<td>Medium</td>
<td>Some physical, regulatory, or political hurdles to implementation but could still be implemented (given funding) within 5 years</td>
<td>$500K - $1M</td>
<td>Significantly enhances resiliency or provides some protection from flooding</td>
<td>Resiliency Co-Benefit example: Lays groundwork for future risk reduction</td>
</tr>
<tr>
<td>Low</td>
<td>Many and difficult physical and regulatory hurdles to implementation. Once approved / funded would likely take more than 5 years to implement</td>
<td>&lt;$500K</td>
<td>Provides little to no protection from flooding and does little to enhance resiliency</td>
<td>Non-resiliency Co-Benefit examples: Job growth, social services, preservation of neighborhood character</td>
</tr>
</tbody>
</table>

Future criteria: Public Support, Funding Availability

* Very High Cost = >$3M
### CDBG-DR eligibility – preliminary interpretation

<table>
<thead>
<tr>
<th>Likelihood of funding</th>
<th>Types of Projects</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>High</strong></td>
<td>• Capital resiliency-focused projects (including coastal protection measures, physical resiliency improvements to homes &amp; businesses, community center resiliency improvements, “immovable” equipment for buildings)</td>
</tr>
</tbody>
</table>
| **Medium**            | • Planning studies for specific resiliency capital projects (e.g., planning and design of flood gate)  
                         • CBO capacity building (emergency plans and training, operating expenses)  
                         • Technical support for residential & business |
| **Low**               | • Capital & social resiliency projects with a limited resiliency argument  
                         • Broad planning studies not focused on a specific capital project  
                         • CBO mobile equipment purchases (e.g. emergency generators) |