



**Working Together
To Empower and Rebuild
Gerritsen Beach and
Sheepshead Bay**

Planning Committee Meeting #9

6:30pm – 8:30pm, 01/24/14

Brooklyn Amity School

3867 Shore Parkway, Brooklyn, NY



Meeting Agenda

- Welcome and Introductions
- Project Progress to Date
- Identification of Priority and Featured Projects
- Overview of Risk Assessment Analysis
- Preparation for 3rd Public Engagement Event
- Questions and Next Steps

NYRCP Program Overview

Meeting Objectives



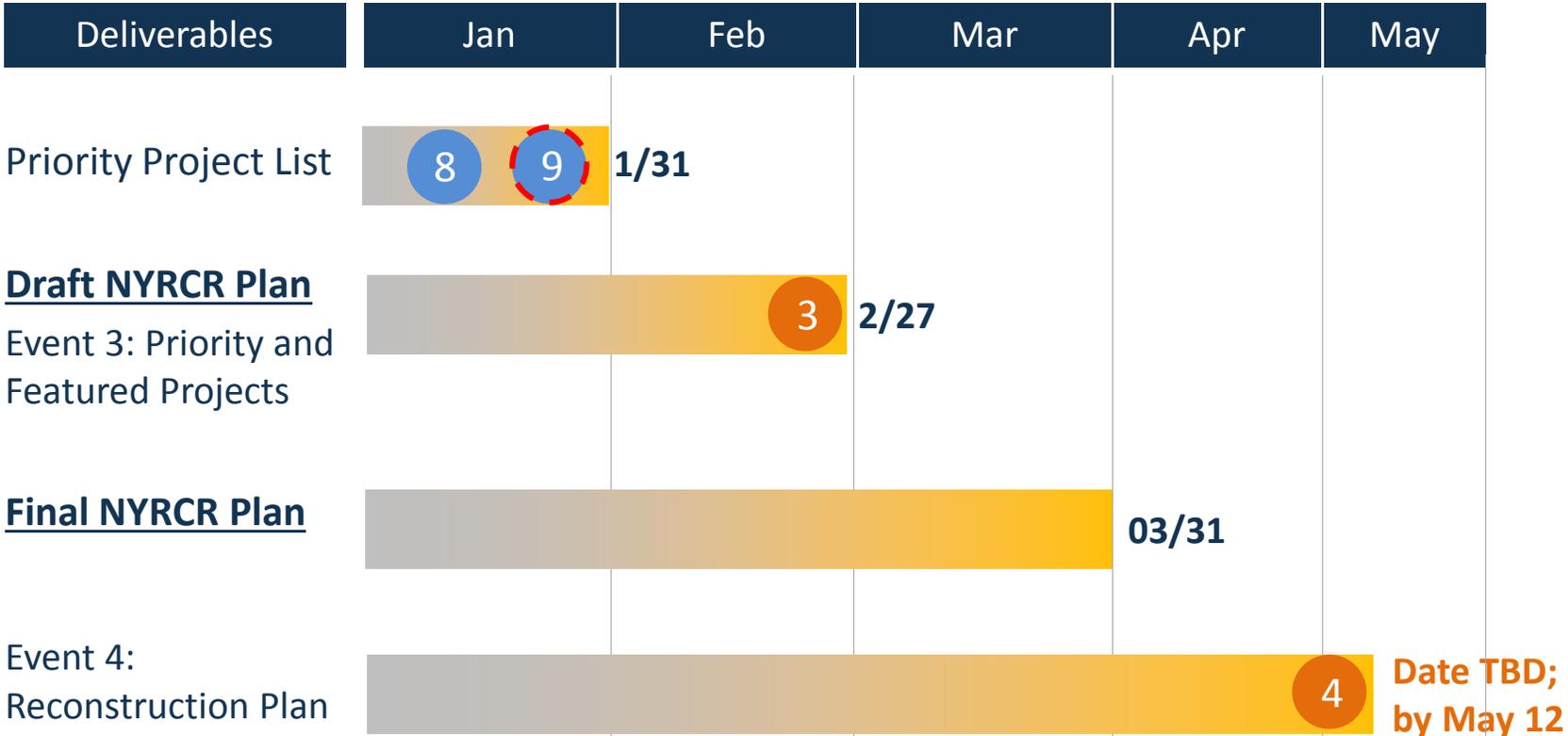
Work Schedule



Public Engagement Event



Planning Committee Meeting



Project Prioritization

Project Prioritization

Categorize Initial Project List into three groups:

- CDBG-DR Priority Projects
- Featured Projects
- Other Projects

Due on 1/31:

- Full information on 5-10 Priority Projects
- Cost Estimates for Priority Projects and Featured Projects

Gerritsen Beach: Priority Projects as of 1/24

- 1) Feasibility Study for Surge Protection
- 2) Retrofitting of Vollies Hall and Gerritsen Beach Fire Station
- 3) Elevation of Mechanical Systems for Key Businesses
- 4) Floodproofing of Businesses and Community Services Assets
- 5) Sewer Connection Cut-Off Valves for Residences

Gerritsen Beach: Priority Projects as of 1/24

- 6) Backflow Prevention on Municipal Infrastructure
- 7) Develop Alternate Egress Route for Evacuation
- 8) Repair/Reconstruction of Canton Court Bulkhead
- 9) Enhancement of Sub-Surface Utilities and Reconstruction of Substandard Streets
- 10) Community Center at Everitt Ave. and Lacon Court

Sheepshead Bay: Priority Projects as of 1/24

1. Installation of Backflow Prevention Measures on City Infrastructure (Storm Drains/Catch Basins)
2. Installation of Sewer Connection Cut-Off Valves to Homes and Businesses
3. Installation of Backup Generators to Protect Key Facilities and Infrastructure Systems
4. Community Center for Use as Emergency Response HQ
5. Elevation/Retrofit of Homes (Direct Financial Assistance)

Sheepshead Bay: Priority Projects as of 1/24

6. Feasibility Study for Mapping of Bungalow Courts as City Streets, Connection to City Infrastructure, and Retrofit Options
7. Develop MOU on Jurisdiction and Maintenance of Plumb Beach
8. Feasibility Study for Flood Barrier Systems in Sheepshead Bay
9. Refurbishment of Veterans Memorial on Emmons Avenue (as part of Complete Streets project)

Risk Assessment of Community Assets

Coastal Risk Assessment



Gerritsen Beach and Sheepshead Bay - Coastal Risk Assessment



NYSDOS Preliminary Hazard Zones

- █ Extreme
- █ High
- █ Moderate

Source: Federal Emergency Management Agency (FEMA), NYC Department of City Planning, MapPLUTO

Coastal Risk Assessment



Gerritsen Beach and Sheepshead Bay - Coastal Risk Assessment

NYSDOS Preliminary Hazard Zones

Extreme High Moderate

Source: Federal Emergency Management Agency (FEMA), NYC Department of City Planning, MapPLUTO

Risk Assessment for Assets and Key Systems

- Identification of Assets is Complete
- Assess Risks to Assets
- Identify Most At-Risk Assets to Inform Selection of Priority Projects
- Three Major Factors: Hazard, Exposure, Vulnerability

Risk Assessment for Assets and Key Systems

- Hazard: Likelihood and magnitude of future events
- Exposure: moderating effects of shoreline and topographic features
- Vulnerability: level of impairment
- Scores are assigned in NY State Risk Assessment Tool to represent these factors

Risk Assessment Tool

Risk Calculation:

$$\textit{Hazard} \times \textit{Exposure} \times \textit{Vulnerability} = \textit{Risk}$$

Components

Hazard: Score of 3 based on “100-year” event

Exposure: Score based on landscape attributes

Vulnerability: Single score based on downtime after a 100-year event

(Committee input/review needed!)

Vulnerability Issues

- Community should be source of vulnerability info
- Sandy impacts should be considered, but not only source
- Grouping should be considered: e.g., houses with basements will be flooded in a similar fashion
- Why was something non-functional: direct damage, power outage, water/sewer outage?
- Scores should be established to show the difference when mitigation actions are applied

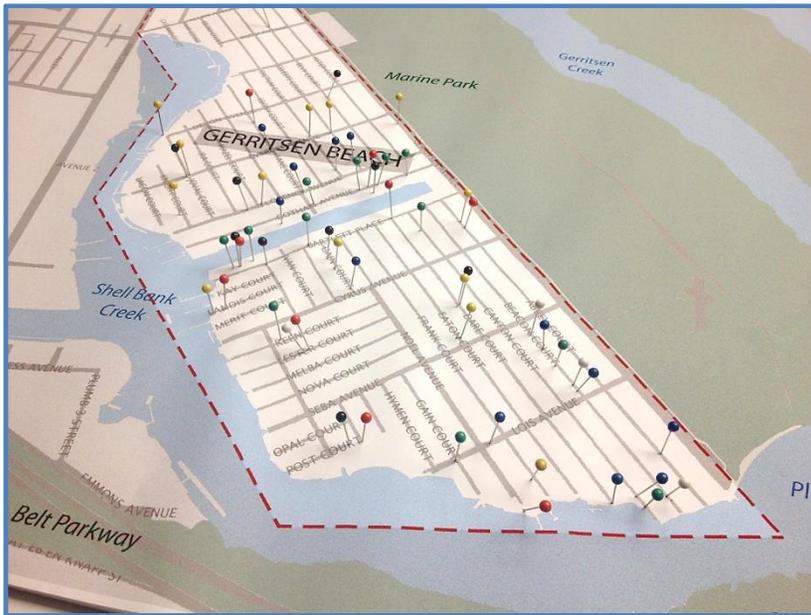
Vulnerability Score

Table 3
Vulnerability Based on Impact on Service or Function of Community Assets

Impact	Insignificant 1	Minor 2	Moderate 3	Significant 4	Major 5
A. Economic Assets	Limited interruption in service or short term reduced service	Service loss for up to 1 week or longer term reduced service	Service loss for more than 1 week up to 1 month or longer term reduced service	Service loss for more than 1 month or permanent reduced capacity	Permanent loss of service of the economic asset
B. Health and Social Services Assets	Limited interruption in service or short term reduced service; Services under more than usual stress but manageable	Service loss for up to 1 week or longer term reduced service; Services under more than usual stress on several fronts	Service loss for more than 1 week up to 1 month or longer term reduced service; Services under severe pressure	Service loss for more than 1 month or permanent reduced capacity	Permanent loss of service of any one of the essential services listed
C. Housing Assets	Limited inconvenience	Out of use for up to 1 week	Out of use for more than 1 week up to 1 month	Out of use for up to 6 months [OR] permanent loss of 15% or less of housing in a group asset	Out of use for more than 6 months [OR] permanent loss of more than 15% of housing in a group asset
D. Infrastructure Systems Assets	Limited interruption in service or short term reduced service	Service loss for up to 1 week or longer term reduced service	Service loss for more than 1 week up to 1 month or longer term reduced service	Service loss for more than 1 month or permanent reduced capacity	Permanent loss of service of any one of the facilities listed
E. Natural and Cultural Resources Assets	Limited interruption in service or short term reduced service [OR] Limited loss of access, habitat, or use	Service loss for up to 1 week or longer term reduced service; Minimal natural habitat impacts, temporary loss of public access, temporary loss of open space/ tourism assets	Service loss for more than 1 week up to 1 month [OR] Moderate impacts on natural habitats, sustained loss of public access, long term loss of private open space	Service loss greater than 1 month [OR] Permanently diminished capacity of natural resource; substantial damages of important natural habitats	Permanent loss of service of the cultural asset [OR] complete loss of important natural habitats
F. Assets Providing Services for Socially Vulnerable Populations	Limited service interruption	Service interruption for up to 1 week	Service interruption of more than 1 week up to 1 month	Permanent service interruption of more than 1 and less than 6 months	Service interruption of 6 or more months

Public Engagement Event #3

Format: Short Presentation/Open House/
Individual Feedback



Pins represent attendees at Nov. 20th Event

Public Engagement Event #3

- Short Presentation (15 min.): Overview and Orientation
- Open House: until 9pm

Station 1 - Background Information Station (state represent/consultant team/co-chairs)

Station 2 - Factors: Criteria, Ranking, Inventory Process

Project Stations – Priority Project and Featured Projects

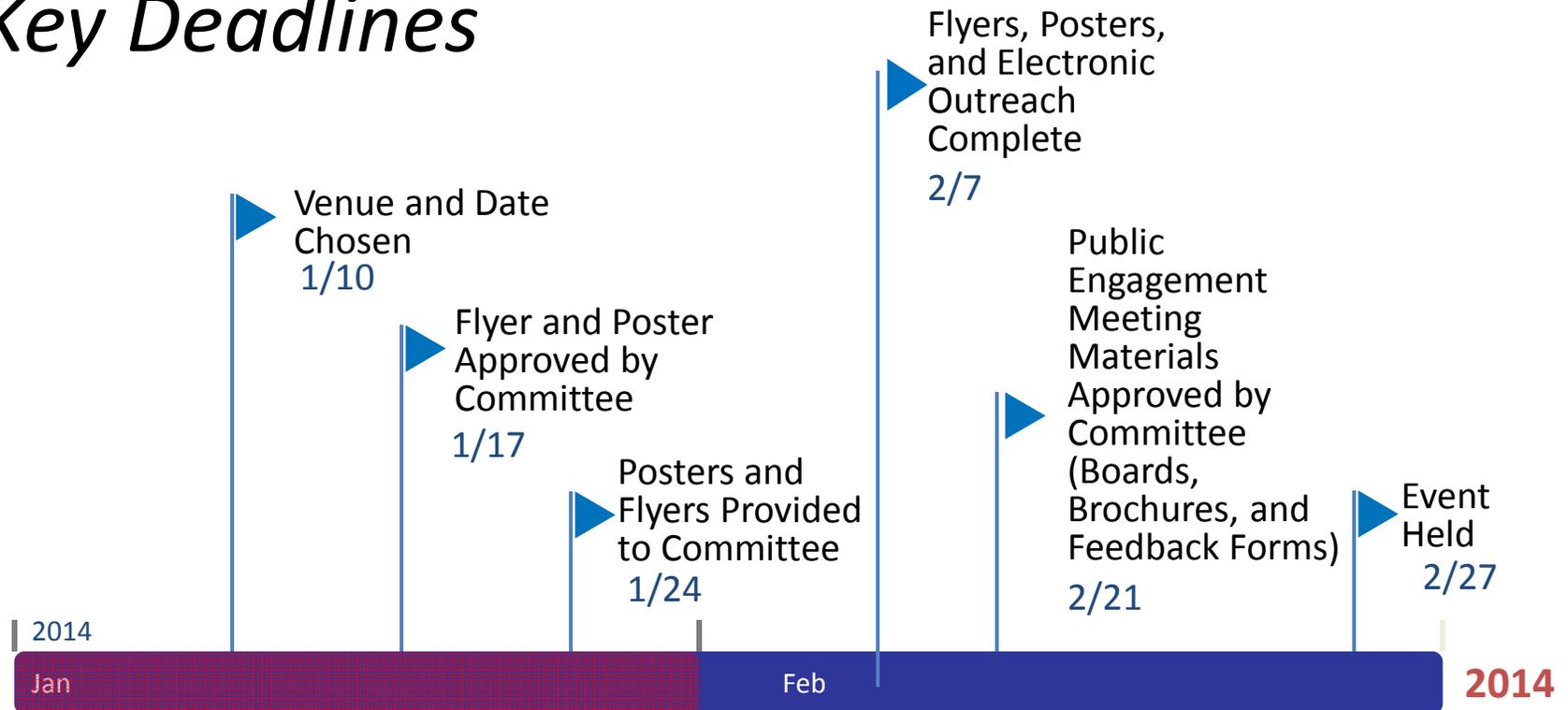
Exit Station – Map your address and collect feedback forms

Brochure and Feedback Materials

- Brochure: project descriptions and background about the criteria and project development
- The project feedback form will include the following components:
 - Rating system to gauge support:
 - High – Strong support to move forward as is;
 - Medium – General support, but some issues to resolve such as location or project details;
 - Minimal– Action is not presently supported,
 - Additional information needed to evaluate project
 - Additional Feedback

3rd Public Engagement Event: February 27th at Brooklyn Amity School

Key Deadlines



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:

<http://www.stormrecovery.ny.gov/nycrcr/community/gerritsen-beach-and-sheepshead-bay>

Or search for [NY Rising](#) and follow the links