

# Working Together to Build Back Better



Oceanside, Island Park, Harbor Isle  
and Barnum Island

3<sup>rd</sup> Planning Committee Meeting

7:00 PM, October 22, 2013

Island Park Village Hall

# Meeting Agenda

- Report on Planning Committee activities since last meeting
- Review results of Public Engagement Meeting
- Recap of what we've heard: confirming key messages
- Initial review of draft Conceptual Plan
- Next steps

# Planning Committee Updates

# Results of Public Engagement Meeting

# Station 1:

## Community Vision & Word Cloud

- Public viewed and had opportunity to add to or comment on the word cloud.
- Additions made include a mix of key words & phrases and ideas related to vision statement
  - Overhaul of back-up sewers
  - Safe up the neighborhood so future stormwater has somewhere else to go
  - Accessible
  - Inclusive
  - Neighbors helping neighbors
  - Money from concerts
  - Inclusive



# Community Vision

- Public viewed and had opportunity to add to or comment on three (3) draft vision statements.
- Preferred vision statement was Draft #2:  
*“Vibrant, diverse and tight-knit communities that follow their own unique path to foster a safe environment and resilient infrastructure so that each community can thrive, and bounce back in the face of adversity.”*
- Overall feedback was favorable

# Station 2: Community Assets

- Participants generally agreed that many of the assets displayed are important to the community
- Many people identified the following:
  - Bay Park Waste Water Treatment Plant
  - Roads (flooding)
  - Drainage system
  - Natural features (such as marshes)

STATION 2

PRIORITY ASSETS:

- \* Generators for bus stations
- \* More relevant help for elderly - who can't hear or see  
deal with nitpicking billboards
- More Involvement - LET THEM OWN TO NAVIGATE  
all systems - Government
- Complete overhaul of ~~the~~ faulty back-up sewers  
If it's broken, I don't want it repaired for the 100<sup>th</sup> time -  
something new has to be done about it!



# Community Assets

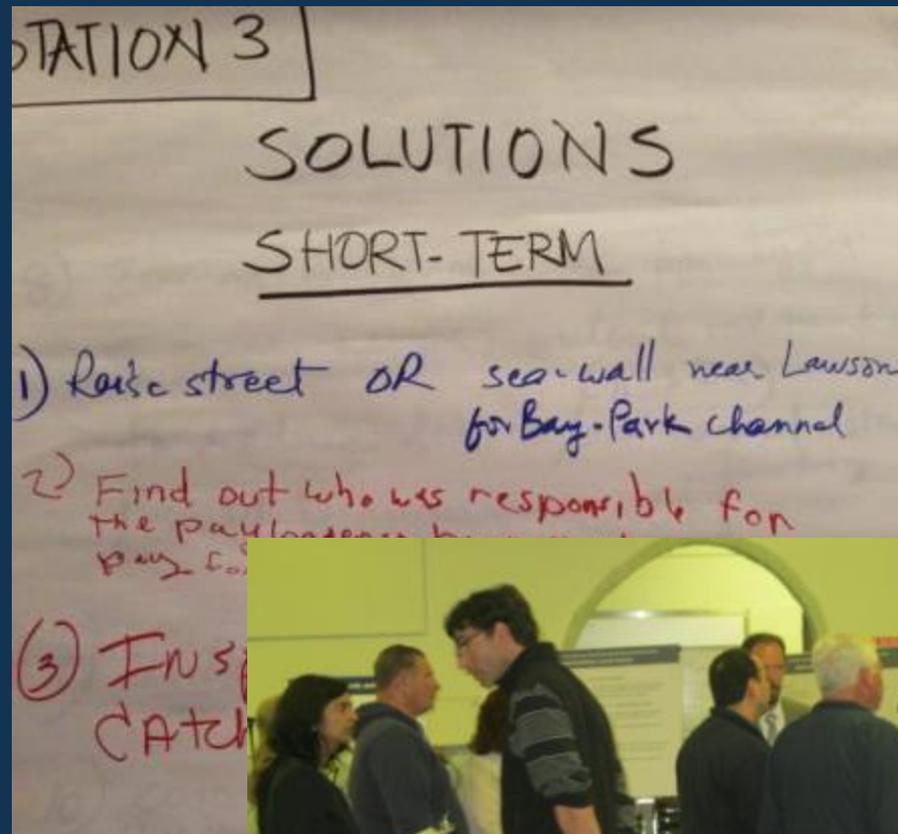
- Participants listed these as priority assets:
  - Generators for gas stations
  - Communication infrastructure – education about risks, flooding, and more relevant help for people with special needs (e.g. hard of hearing)
  - More involvement – left on own to navigate systems – government
  - Sewer system (aging)
  - Bay Park plant
  - Flooding
  - Schools
  - Natural features (such as marshes)

# Station 3: Needs & Opportunities

- Participants were asked to identify needs and opportunities to make the community stronger and more resilient in the future.
- They identified issues and potential short- and long-term solutions
- Issues included
  - Flooding
  - Lack of bulkheads
  - Stormwater drainage and management system
  - Accessibility for people with disabilities
  - Inadequate communication
- Other concerns expressed:
  - Rising costs of flood insurance

# Solutions Identified

- **Short-term** solutions identified by participants:
  - Raise street or install sea-wall near Lawson Blvd.
  - Repair damaged sidewalks along Byrd St.
  - Scope & inspect catch basins

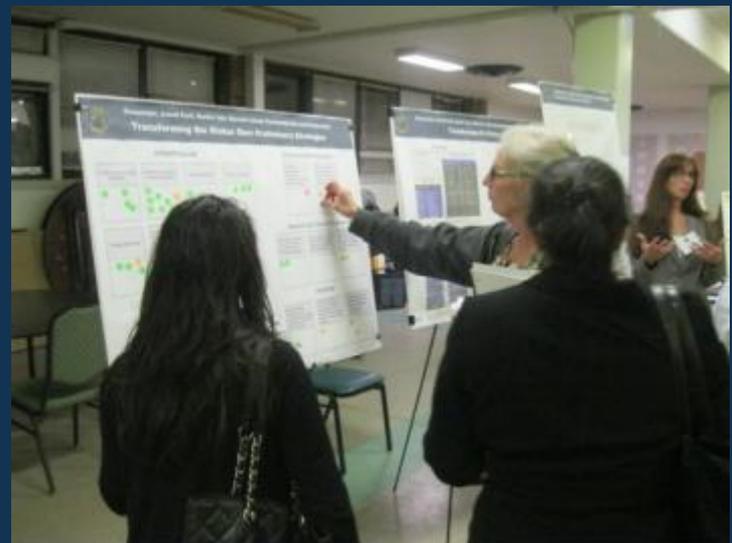


# Solutions Identified

- Participants also identified **long-term** solutions:
  - Dredge channel & creek(s)
  - Clean/maintain valves on storm drains
  - Increase capacity of storm drains
  - Buy-out whole block – 7 houses: Royal Ave. – west side, everyone interested
  - Improve storm water retention
  - Tidal flood gates
  - Improved communication of emergency information (other than web, email, robo-calls)
  - Community generators
  - Underground utility wires
  - Changes to zoning/building code to reduce post-disaster hazards

# Station 4: Transforming the Status Quo

- Participants were asked to think about how the elements at each station – vision, assets, needs and opportunities – fit together.
- This was an opportunity for participants to indicate preferences for strategies they think have the most potential to transform the status quo and make positive change for the community as a whole



# Transforming the Status Quo

- General categories: Overall participants indicated preferences for strategies in categories of **infrastructure** and **natural and cultural resources**
- Preliminary strategies: Facilitators discussed the types of strategies and some examples of potential projects within each and asked participants to indicate their 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> preferences.

# Transforming the Status Quo

**Oceanside, Island Park, Harbor Isle, Barnum Island Community Reconstruction Plan**  
**Transforming the Status Quo: Preliminary Strategies**

**Infrastructure**

- Construct berms along shoreline
- Install/repair/replace/elevate bulkheads
- Install flood gates
- Construct sea walls
- Dredge waterway
- Implement stormwater drainage improvements for specific streets
- Prepare and implement stormwater master plan to address stormwater needs throughout the entire area
- Elevate roadways

**Economic Development**

- Implement small-business revitalization programs to support local businesses
- Elevate business to reduce flooding in commercial areas to protect business investments

**Natural and Cultural Resources**

- Reconstruct wetlands and marshes to act as natural tidal and stormwater sponges
- Improve parks to act as better barriers to tidal water and to absorb more stormwater
- Use "green" stormwater infrastructure, like trees, rain gardens and permeable pavement, to reduce runoff where feasible

**Community, Health & Social Services**

- Identify predetermined staging areas to be used for supplies and equipment in an emergency event
- Prepare a coordinated evacuation plan, using buses and LIRR where possible to reduce congestion
- Consider whether the former Oceanside Landfill, which is a high point, could be used as for emergency shelter or an emergency management facility

**Housing**

- Ensure that new construction and reconstruction elevates homes above the 100-year flood plain
- Provide assistance to help homeowners understand the best long-term reconstruction options for their specific location
- Consider whether and where home buy-outs might be considered to best protect homeowners

# Preliminary Strategies

## Preferences

- Infrastructure
  - Implement stormwater drainage improvements for specific streets
  - Install/repair/replace/elevate bulkheads
  - Prepare and implement stormwater master plan to address stormwater needs throughout the entire area
- Natural and Cultural Resources
  - Reconstruct wetlands and marshes to act as natural tidal and stormwater sponges
  - Use “green” stormwater infrastructure, like trees, rain gardens and permeable pavement to reduce runoff where feasible

# Preliminary Strategies Preferences (Continued)

- Economic Development
  - Elevate businesses to reduce flooding in commercial areas to protect business investments
- Housing
  - Consider whether and where home buy-outs might be considered to best protect homeowners
- Community, Health, and Social Services
  - Identify predetermined staging areas to be used for supplies and equipment in an emergency event
  - Consider whether the former Oceanside Landfill could be used as an emergency shelter or an emergency management facility

# Conceptual Plan Discussion

# Plan Components

- Planning Context
- Vision
- Existing Plans / Studies
- Identification of Assets
- Identification of Risk
- Identification of Needs & Opportunities
- Key Strategies and Actions
- Key Projects

# Planning Context

- Demographics
- Storm Impacts

Community	# Housing Units Damaged (wind & flood)	# Housing Units suffered flood damage	# Housing units heavily damaged (more than 50 percent)	# of units with <4' of water	Total housing units in community
Barnum Island	937*	922	937*	160	923
Harbor Isle	436	431	436	44	468
Island Park	1,614	1,609	1,614	405	1,690
Oceanside	5,297	5,206	4,428	619	11,329

Source: FEMA Fact Packs; FEMA IA data compiled by US HUD

\*This is the actual number reported by HUD.

# Vision

*Vibrant, diverse and tight-knit communities that follow their own unique path to foster a safe environment and resilient infrastructure so that each community can thrive, and bounce back better in the face of adversity.*

# Existing Plans & Studies

- South Shore focus
- Specific plans for CR Planning Area
  - Village Hall
  - Village Hazard Mitigation Grant Applications
- Continuing dialogue with Town of Hempstead, Nassau County

# Identification of Assets

- Components of the community that are most important to protect for the future
- Five CR asset classes
  - **Economic**
  - Health and Social Services / Socially Vulnerable Populations
  - **Housing**
  - **Infrastructure Systems**
  - **Natural & Cultural Resources**



**Economic Assets**



**Health & Social Services Assets**

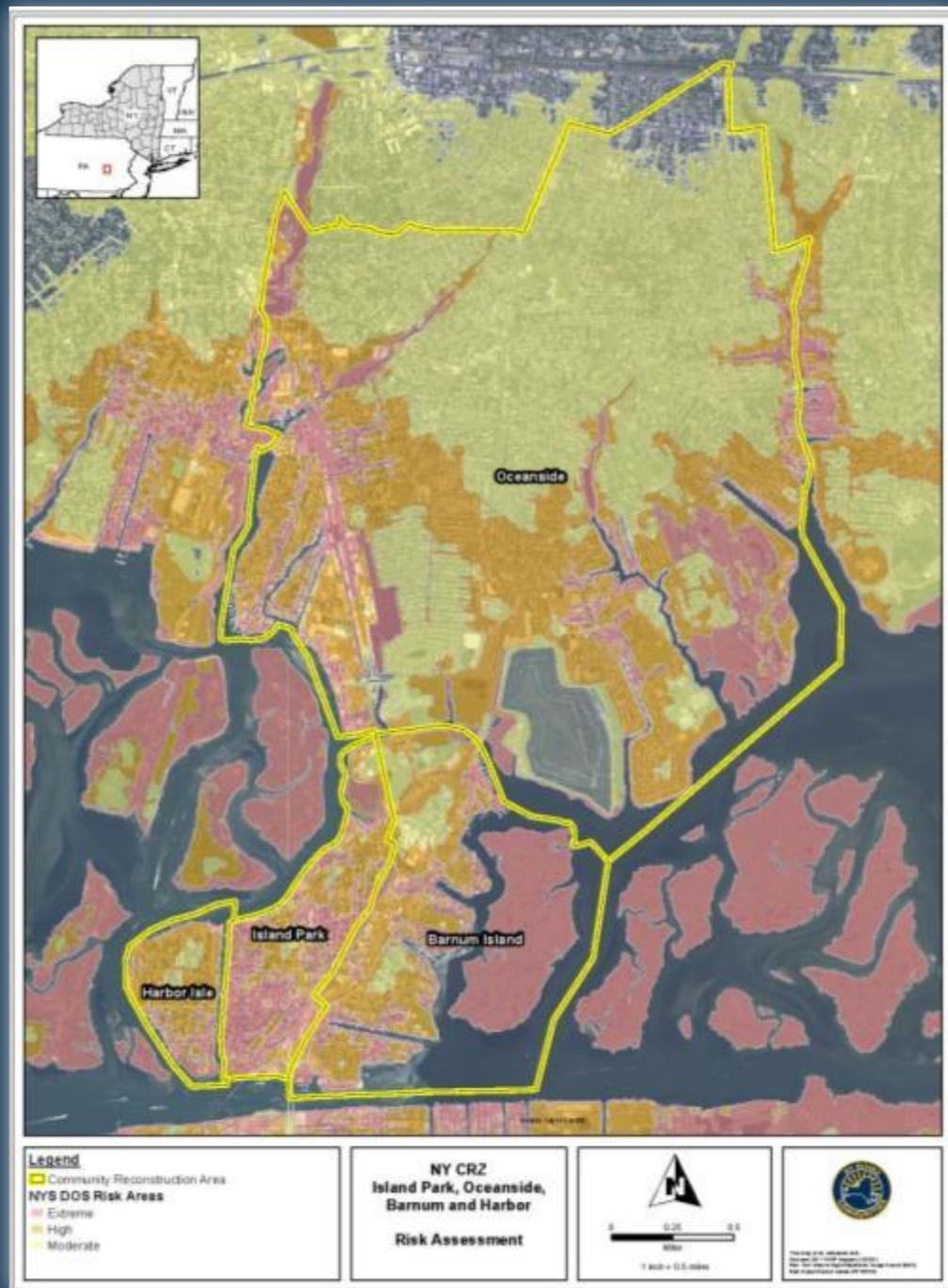




Natural & Cultural Assets

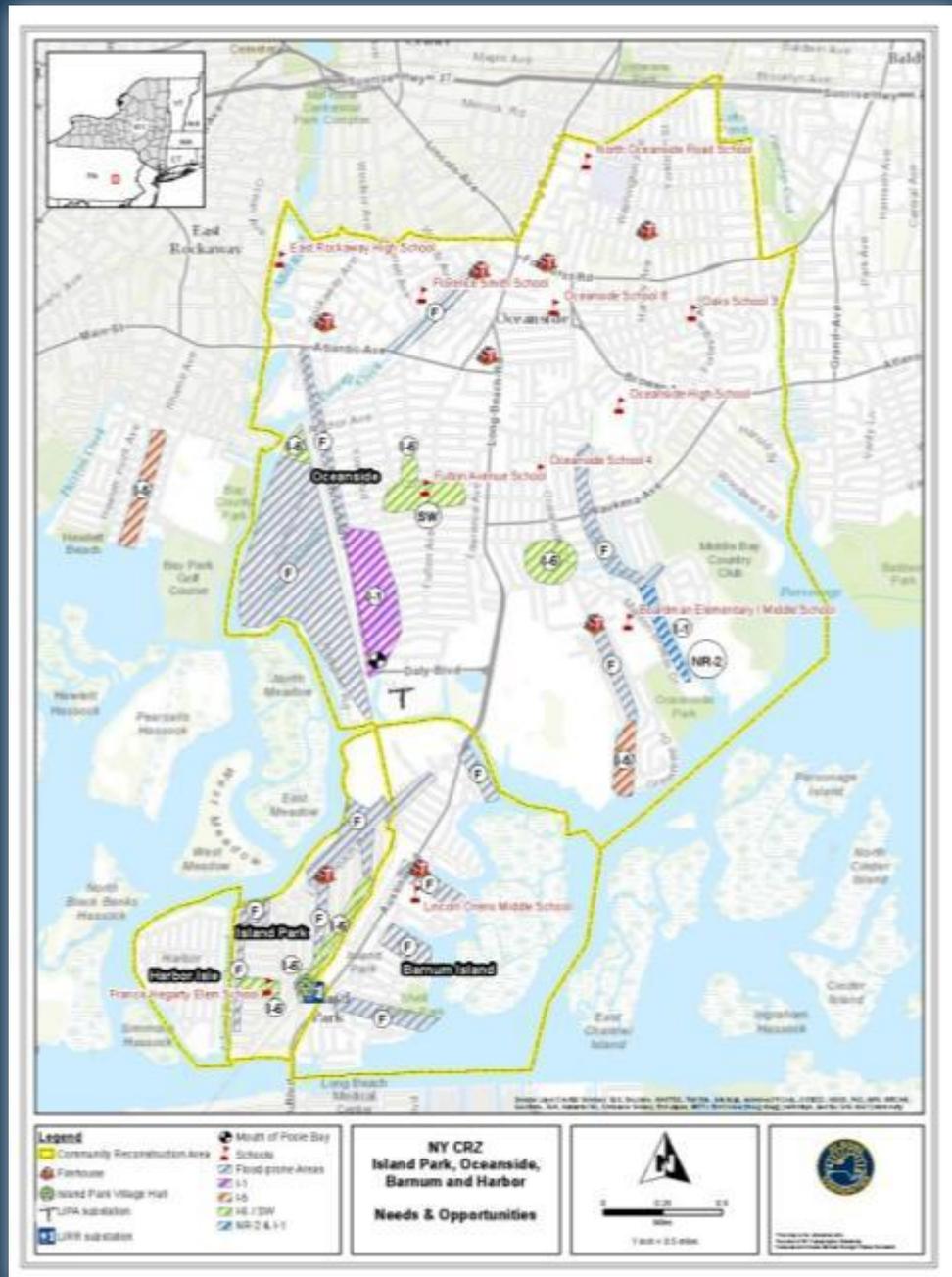
# Identification of Risk

- How will assets be impacted during future storm events?
- What will be the ramifications to the community?



# Identification of Needs & Opportunities

- The community has begun identifying both local and regional issues that need to be addressed.
- This section describes the issues and resiliency / redevelopment opportunities to consider

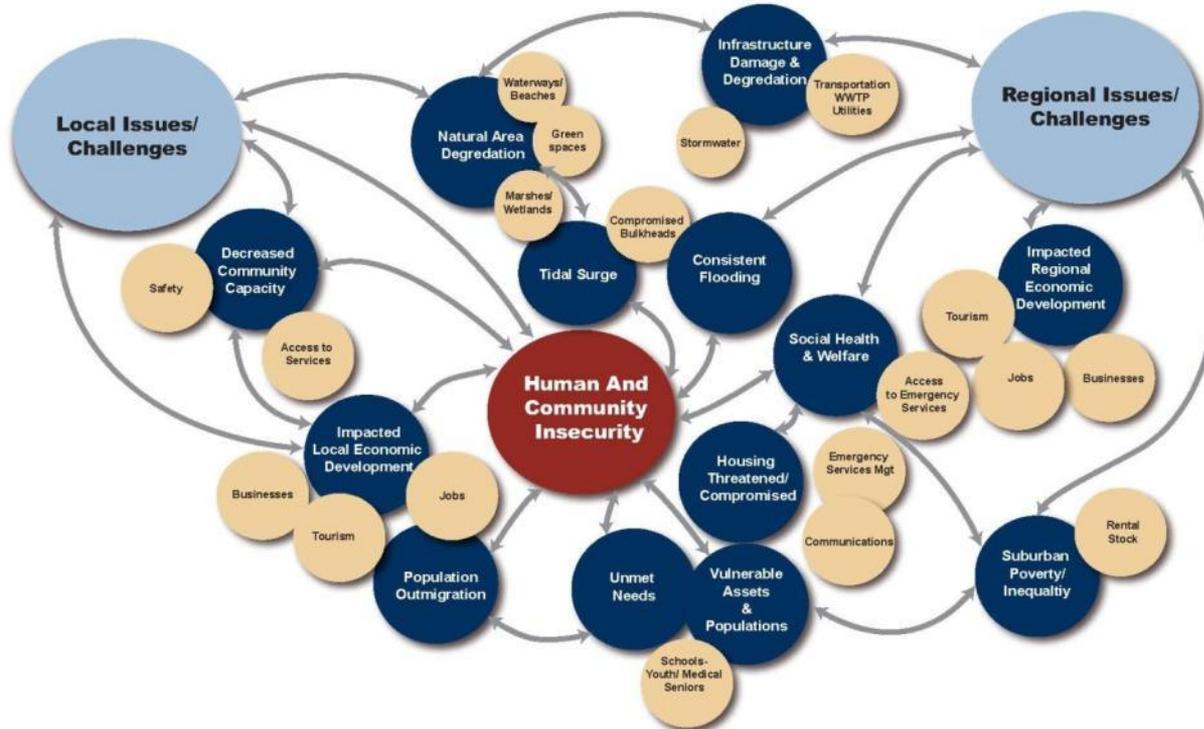


Confirmation of Key Messages  
&  
Key Strategies



# Key Messages: Issues & Challenges

Systems Mapping: Understanding Relationships  
Issues And Challenges Are Connected And Affect One Another



All Issues and Concerns are connected: Degredation of natural areas, tidal changes and tidal surge impact infrastructure and increase consistent flooding. Flooding is compounded by infrastructure damage, the lack of bulkheads and lack of permeable areas. Further, these issues, when combined with a storm like Sandy, directly impact regional infrastructure such as the WWTP, utilities and transporation networks - as well as social, economic and housing issues. These issues and challenges decrease community capacity and increase human and community insecurity - resulting in a challenging status quo.

This status quo requires our community to act locally and think regionally by understanding these relationships , analyzing needs and pinpointing strategies and projects to infuse positive changes into the system; initiate sustainable solutions in each category and find holistic solutions that transform the status quo.

# Key Messages & Analysis

## Transforming Status Quo

TRANSFORM THE STATUS QUO		
UNDERSTAND STATUS QUO	TRANSFORMATION OF STATUS QUO	TRANSFORMED STATUS QUO
ANALYZE	DEVELOP STRATEGIES	INCREASED RESILIENCY
<b>UNDERSTAND:</b> STRENGTHS	<b>HOW TO:</b> BUILD UPON STRENGTHS & CREATE VISION	<b>FEEDBACK:</b> ENHANCED STRENGTHS
<b>UNDERSTAND:</b> ISSUES, CHALLENGES & OPPORTUNITIES	<b>HOW TO:</b> DECREASE CHALLENGES/ISSUES & CAPITALIZE ON OPPORTUNITIES	<b>FEEDBACK:</b> TRANSFORMED CHALLENGES & ENHANCED OPPORTUNITIES
<b>UNDERSTAND:</b> ASSETS & CRITICAL FACILITIES	<b>HOW TO:</b> PROTECT VULNERABLE ASSETS & CRITICAL FACILITIES	<b>FEEDBACK:</b> PROTECTIVE MEASURES THAT MATCH COMMUNITY RESILIENCY
<b>UNDERSTAND:</b> GAPS & NEEDS	<b>HOW TO:</b> ADDRESS NEEDS: SHORT, MEDIUM & LONG TERM ACTIONS	<b>FEEDBACK:</b> ACTIONS SUPPORTING STRATEGIES
<b>UNDERSTAND:</b> EXISTING PLANS & PROJECTS	<b>HOW TO:</b> COORDINATE WITH EXISTING PLANS & PROJECTS	<b>FEEDBACK:</b> COORDINATED & COMPLEMENTARY SOLUTIONS
<b>UNDERSTAND:</b> REGIONAL & LOCAL PRIORITIES	<b>HOW TO:</b> ALIGN LOCAL & REGIONAL PRIORITIES	<b>FEEDBACK:</b> ALIGNED GOALS & ACTIONS
<b>UNDERSTAND:</b> THE SYSTEM, CONNECTIONS & RELATIONSHIPS	<b>HOW TO:</b> FEED FORWARD POSITIVE SOLUTIONS INTO THE SYSTEM	<b>FEEDBACK:</b> ACHIEVED SYSTEMIC IMPACTS

# Key Messages: Starting Premise for Strategies

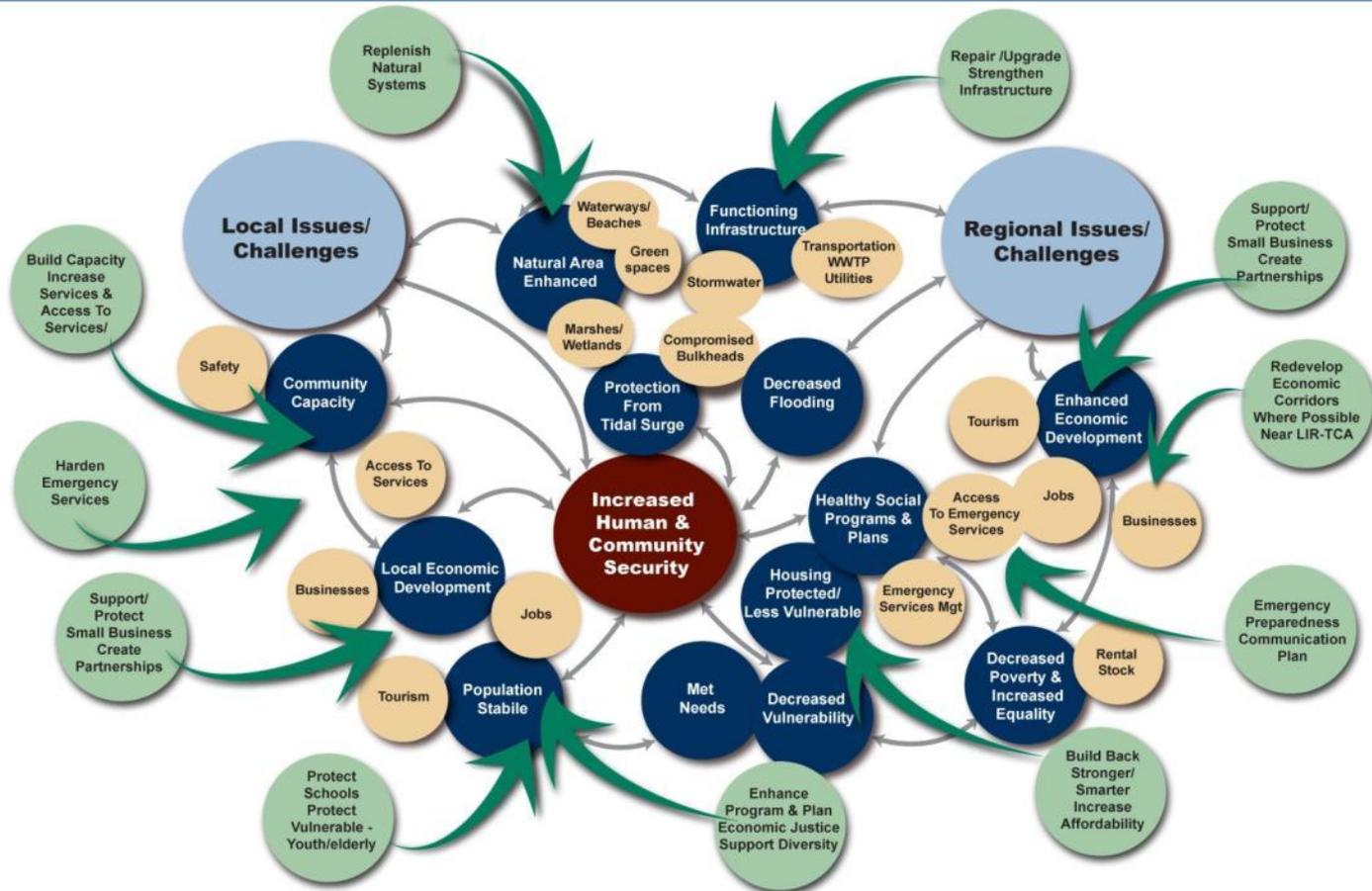
- Successful plan implementation will not eliminate all flooding
- Focus on:
  - Reducing regular and disruptive tidal and storm-related flooding to reduce property & business damage & increase quality of life
  - “Hardening” assets so they can withstand flooding
  - Emergency preparedness before, during and after a storm
  - Strengthening recovery programs to get up and running quickly after a disaster

# Key Messages: Forming Strategies & Actions

- Ideas and information heard consistently from the CR Planning Committee and **supported by the public** during the public engagement process
  - **Initial** concepts
  - Will continue to be vetted with the CR Planning Committee, public and technical resources

# Key Strategies: Feeding Forward

Systems Mapping: Understanding Relationships  
Feed-forward Positive Actions & Plans



Input Positive Change: Feeding forward positive actions and implementing supportive programs will shift the system. The system will then change to enhance positive over negative solutions and ultimately feed back and feed forward sustainable and systemic impacts and outcomes. These impacts will increase local and regional protection, decrease vulnerability - both physical and economic - and increase resiliency, thereby transforming the status quo.

# Upcoming Projects

- Initial listing of projects underway, projects in the pipeline, and projects planned
- Following a final determination of key projects, projects will be fully described using 20 predetermined factors

# Identified Upcoming Projects

Project Name	Description & Status	RCategory
<b>Daly Boulevard Culvert Rehabilitation Between Long Beach Road and Lawson Boulevard</b>	Restore the concrete box bridge culvert, channel clearances and eroded earth embankments. The culvert has been declared structurally deficient by New York State DOT. Project was funded through the Nassau County Capital Improvement Plan (CIP) 2013-2016 <b>Status: Work on this is completed.</b>	 Infrastructure
<b>Swirl Separator Installation</b>	Install Swirl separators on eighteen outfalls. Install catch basin. <b>Status: Underway</b>	 Infrastructure
<b>DPW Sewage Pump Station Repairs Oceanside</b>	Repair Nassau County Department of Public Works – DPW Sewage Pump Station at Site 13 - Long Beach Rd. Pump Station, Site 17 - Millar St. Pump Station, Site 18 - Mott St. Pump Station, and Site 25 - Royal Ave. Pump Station. <b>Status: Funded and in process for completion.</b>	 Infrastructure

# Identified Upcoming Projects

Project Name	Description & Status	Category
<p><b>Roadway Grade Raise: HMGP Oceanside - Roads included are Moreland Avenue, Fir Place, Stanton Place, Louis Place and Grove Place</b></p>	<p>Project includes reconstruction of approximately 1,850 feet of local residential streets Sections of these existing roadways are currently at or below elevation 4.50 NGVD, resulting in flooding during monthly episodes of high tides. The intent is to reconstruct roads with a minimum gutter elevation of 5.50 NGVD making them significantly less susceptible to routine tidal flooding.</p> <p>Project design includes the replacement of concrete curbs, sidewalks, improvements to the storm drain system, installation of check valves, reconstruction of street end bulkheads as necessary. Raising the roadway grade will have a direct impact on frontages of private properties. The design will include regrading and installation of storm drain inlets on private property as needed. <b>Status: Application submitted. Not funded. Estimated cost is \$1,500,000</b></p>	
<p><b>Roadway Grade Raise: HMGP Barnum Island - roads included are California Place North, California Place South and Vanderbilt Avenue.</b></p>	<p>Project includes reconstruction of approximately 6,000 feet of local residential streets currently experiencing tidal flooding. Sections of these existing roadways are currently at or below elevation 5.25 NGVD. The intent of the project is to reconstruct roads with minimum gutter elevations of 6.50 NGVD.</p> <p>Project includes replacement of concrete curbs, sidewalks; improvements to the storm drain system, installation of check valves, reconstruction of street end bulkheads as necessary. Raising of the roadway grade will have a direct impact on the frontages of the private properties. The design will include regrading and installation of storm drain inlets on private property as needed. <b>Status: Project is not yet funded. Estimated cost is \$3,250,000</b></p>	

# Identified Upcoming Projects

Project Name	Description & Status	Reconstruction Category
<p><b>Bulkhead Reconstruction - HMGP Oceanside - locations included are West Waukena Avenue at end, opposite 335 Golf Drive and Oceanlea Drive</b></p>	<p>Project includes reconstruction of approximately 750 feet of timber bulkhead on various local residential streets. Sections of these existing bulkheads have deteriorated significantly and have reached their useful life. Most locations have storm drain outfall pipes, which will be replaced. For additional flood protection check valves will be installed to prevent tidal flooding upland. The proposed bulkheads will be constructed with vinyl sheeting that has an expected life span of fifty years. Bulkheads will be designed to have top of bulkhead at or above elevation 7.0.</p> <p>Project design will include replacement of any concrete curbs, sidewalks, reconstruction of street ends as necessary to allow for the installation of new bulkhead. <b>Status: Not yet funded. Estimated cost is \$1,500,000</b></p>	 <p>Infrastructure</p>
<p><b>Bulkhead Reconstruction - HMGP Village of Island Park – Little Beach</b></p>	<p>Little Beach bulkhead reconstruction and regrading - The Village proposes to construct a new bulkhead across the length of the Little Beach to minimize erosion and flooding in this area. A new bulkhead is proposed between the existing wooden jetties at Suffolk Road and Washington Place, about 100 feet out into the channel, with a top elevation at least four (4) feet higher than the Village street level. The Village would import sand (estimated quantity approximately 2,400 cubic yards) to re-grade the area. In addition, the Village would replace the existing jetty at the end of Suffolk Road with a bulkhead to provide greater protection against flooding and erosion. <b>Status: Not yet funded. Estimated cost is \$650,000</b></p>	 <p>Infrastructure</p>

# Identified Upcoming Projects

Project Name	Description & Status	Category
<b>Bulkhead Reconstruction - HMGP</b> <b>Village of Island Park – Redford Road, Norfolk Road, and Rizkin Place</b>	The Village proposes to remove and replace existing bulkheads with wooden piles, whalers and sheeting at the end of Redfield Road, Norfolk Road, and Rizkin Place. New bulkheads will measure at least 10 feet from the bulkhead caps to the bottom of the bulkheads to provide greater protection against flooding. <b>Status: Not yet funded. Estimated Cost is \$370,000</b>	 Infrastructure
<b>Department of Public Works Generator Installation HMGP</b> <b>Village of Island Park</b>	The Village proposes to install an emergency generator at its DPW building. The generator would be installed above the base flood elevation to avoid potential flood impacts. The Village would benefit by having a fully operational DPW that is able to provide essential services to its residents during emergencies. <b>Status: Not yet funded Estimated Project Cost \$100,000</b>	 Infrastructure   Community Planning
<b>Demolition &amp; Construction of Village Hall and generator installation HMGP</b> <b>Village of Island Park</b>	Village proposes to demolish the existing condemned Village Hall building, construct a new Village Hall building and install an emergency generator to provide backup power as needed. The proposed Village Hall is assumed to be 2,500 SF. The new building would be constructed to the Base Flood Elevation or a higher elevation if required by FEMA or a local ordinance to minimize the risk of damage to the new Village Hall during severe flooding events in the future. The generator would also be installed above the base flood elevation to avoid potential flood impacts. <b>Status: Not yet funded Estimated Project Cost \$580,000</b>	 Infrastructure   Health/Social Services

# Identified Upcoming Projects

Project Name	Description & Status	Category
<p><b>Battery at Harbor Isle &amp; Avalon Yacht View</b> Southeast Harbor Isle</p>	<p>Potential development project known as the Battery at Harbor Isle &amp; Avalon Yacht View. It is a \$90 million potential project to include 140 rental apartments and 32 condominiums, with most containing boat slips. <b>Status: Not yet approved – approval process ongoing.</b></p>	 <p>Housing</p>  <p>Economic Development</p>  <p>Community Planning</p>
<p><b>Marsh Trend Mapping and Water Quality Testing</b> Marshes and Waterways surrounding Town of Hempstead</p>	<p>The purpose of the trend mapping is to identify the changes in the marshes; observe and analyze the data and determine any revitalization methods. The purpose of the water quality testing is to verify the state of water quality in the marsh and their ability to maintain marshlands as well as critical vegetation and aquatic life in the area. <b>Status: Ongoing. Information about this ongoing project was gained by conversations with the Town of Hempstead Conservation and Waterways Department.</b></p>	 <p>Natural/Cultural Resources</p>

# Identified Upcoming Projects

Project Name	Description & Status	Category
<b>Bay Park Sewage Treatment Plant Revitalization</b>	Plans to revitalize the Bay Park Sewage Treatment Plant remain in negotiations. \$740 million in construction costs is needed in order to repair items such as odor control systems, the electrical power supply and distribution system, effluent screening and raw sewage pumping, and sludge thickening and dewatering facilities. \$500 million dollars is required for construction of a new Outfall Pipe that delivers treated sewage into the Ocean rather than local bays and waterways. <b>Status: This project is ongoing and in discussions at the County and State Levels</b>	 <b>Infrastructure</b>

# Next Steps

# Upcoming Meetings & Due Dates

- Draft Conceptual Plan
  - Due October 28, 2013
  - To continue to be revised with Planning Committee & community feedback
- Planning Committee Meeting
  - October 30, 2013 – Focus on Draft Conceptual Plan
    - Village of Island Park Village Hall
- Community Workshop
- November 6, 2013 – Review Draft Conceptual Plan
  - Lincoln Orens Middle School, 150 Trafalgar Blvd., Island Park

# Thank You!

Keep up with us on the Web

Community Reconstruction Program Website

<http://stormrecovery.ny.gov/community-reconstruction-program>

Barnum Island, Oceanside, Island Park & Harbor  
Isle Community Reconstruction Website:

<http://stormrecovery.ny.gov/nycrcr/community/barnum-island-oceanside-village-island-park-and-harbor-isle>

Or search for NY Rising and follow the links.