

NYRCR Seaford-Wantagh

Proposed and Featured Project List Public Engagement Meeting #3



Proposed Projects

Proposed projects contribute to implementing strategies for community reconstruction and resilience. These projects are proposed for funding through the allocation of Community Development Block Grant Disaster Recovery (CDBG-DR) assistance.

Table 1: Proposed Projects

Project Name	Project Description	Project Cost	Project Geography
P1 Tidal Check Valve Installation	Inspect the outfalls along the coastline of Seaford and Wantagh and determine the condition and appropriateness of installation of tidal check valves. Tidal check valves of either inline pipe type or slip on duck bill type will be installed on prioritized, critical and appropriate outfalls.	\$2,000,000	Seaford-Wantagh shoreline
P2 TOH Bulkhead Inspection and Replacement	Inspect and identify the bulkheads at street ends and canal ends that fall under the Town of Hempstead ownership that require replacement and raising. Reconstruction of prioritized and critical bulkheads to minimum elevations of 7.0 NGVD.	\$2,000,000	Seaford-Wantagh
P3 Priority Local Roads Stormwater Drainage Cleanout, Survey and Verification	Stormwater drainage cleanout along Sunrise Highway, Merrick Road, Bayview Avenue, Wantagh Avenue, Seaford Avenue, Willoughby Ave, Neptune Ave, Seamans Neck Road, Marina Park Dr, Washington Ave. In addition to the cleanouts, this project will collect and reconfirm the condition and types of stormwater infrastructure that exist in order to understand any other immediate needs as well as feed into the overall capital and asset management of the stormwater infrastructure.	\$1,900,000	Sunrise Highway, Merrick Road, Bayview Ave, Wantagh Ave, Seaford Ave, Willoughby Ave, Neptune Ave, Seamans Neck Rd, Marina Park Dr, Washington Ave
P4 South of Merrick Rd Stormwater Drainage Cleanout, Survey and Verification	Stormwater drainage cleanout in the area south of Merrick Road (excluding roads included in priority roads cleanout). In addition to the clean outs, this project will collect and reconfirm the condition and types of stormwater infrastructure that exist in order to understand any other immediate needs as well as feed into the overall capital and asset management of the stormwater infrastructure.	\$2,700,000	Seaford/Wantagh South of Merrick Road
P5 Sunrise Highway, Merrick Road, Park Ave Drainage Improvements Study and Design	Study and design of drainage improvements for the following areas: Sunrise Highway at Wantagh State Parkway, Merrick Road at Mill Pond Park, Merrick Rd at Wantagh State Parkway, Merrick Rd at Seaford Oyster Bay Expressway, and Park	\$1,200,000	Sunrise Highway at Wantagh State Parkway, Merrick Road at Mill Pond Park, Merrick Rd at Wantagh State Parkway, Merrick Rd at Seaford Oyster



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	Avenue by the Fire Station. Study will include condition and capacity assessment of ponds along these areas and siphons that move water underneath Sunrise Highway. The design will consider and incorporate green infrastructure solutions to address drainage issues where possible.		Bay Expressway, Park Avenue
P6 Priority Local Roads Study and Design	As a follow on project to the stormwater drainage clean out, survey and verification of these priority local roads, this project will identify and design the necessary infrastructure improvements along these roads with the exception of Merrick Road and Sunrise Highway which will be the focus of a different project. This project will focus mainly on the north-south running local priority roads.	\$1,000,000	Bayview Ave, Wantagh Ave, Seaford Ave, Willoughby Ave, Neptune Ave, Seamans Neck Rd, Washington Ave
P7 Priority Local Roads streetlight retrofit	Install LED street lights with PV and battery backup on existing utility poles. This phase of installation would be limited to the following priority local roads south of Merrick Rd (~6 miles): Merrick Rd, Bayview Ave, Willoughby Ave, Neptune Ave, Seamans Neck Rd, Marina Park Dr. If future undergrounding of utility lines occurs and new separate street lights are installed, the LED/PV street lights could be reused in other parts of the community.	\$2,800,000	Merrick Rd, Bayview Ave, Willoughby Ave, Neptune Ave, Seamans Neck Rd, Marina Park Dr.
P8 Seaford Wantagh Community Resource Centers	This project is to adapt Seaford and Wantagh Libraries and the Seaford High School to become Community Resource Centers where residents can gather information about emergency preparedness under normal conditions and after a storm, these centers would become a place to gather, collect and distribute information and resources, charge cell phones, and access the internet. This would require the installation of permanent natural gas generators to power the critical needs.	\$2,800,000	1575 Seamans Neck Rd, Seaford, NY 11783; 3285 Park Ave, Wantagh, NY 11793; 2234 Jackson Ave, Seaford, NY 11783
P9 Wantagh High School County Shelter Resilience Enhancement	Needs assessment to inform any additional fortifications or amenities that are necessary to ensure that this Nassau County designated emergency shelter is accessible and able to accommodate the needs of the community. This project includes the installation of air conditioning and heating to the cafeteria or whatever other room is used as the main shelter location. A permanent natural gas powered generator will be installed to provide backup power to the heating, cooling, lighting and other critical facilities in the event of a local power failure.	\$1,200,000	3301 Beltagh Ave Wantagh, NY 11793



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P10 Cedar Creek WPCP Microgrid Detail Design	Microgrids can operate independently of the grid and can also be connected to the grid allowing the import or export of electricity. The New York State Energy Research and Development Authority (NYSERDA) is currently conducting a feasibility study of a microgrid at the Cedar Creek WPCP to serve critical facilities near the WPCP. Based on the results of the feasibility study, this project would fund the detailed design of the microgrid.	\$500,000	Cedar Creek Park
P11 Cedar Creek WPCP Hazard Mitigation Strategy	The Nassau County DPW Sandy Damage Assessment Report of the Cedar Creek WPCP recommended the development of a hazard mitigation strategy to provide a level of protection against future storm events. Strategic planning and redesigning for flood protection will safeguard the assets and will allow the plant to continue servicing the community.	\$100,000	Cedar Creek Park
P12 Integrated Communication Network	<p>Phase 1:</p> <ul style="list-style-type: none"> - Gap analysis to determine additional emergency communication needs. - Emphasis on coordination across jurisdictions. <p>Phase 2:</p> <ul style="list-style-type: none"> - Creation of a central website. - Addition of a community-driven communication component. - Ongoing website maintenance with real-time updates. - Unified branding for all communication materials. <p>Phase 3:</p> <ul style="list-style-type: none"> - Educational component. 	<p>Phase 1:</p> <p>\$100,000</p> <p>Phases 2 and 3: Potential for private sponsors or Red Cross partnership</p>	Community-wide
P13 Business Continuity Program	<ul style="list-style-type: none"> - Program to assist small businesses to create their own business continuity plans. - Provides roadmap for continuing operations under adverse conditions. - Offers planning assistance and facilitates access to alternate spaces and facilities, and provides virtual records management assistance to protect and retain data. - Acts as a liaison to agencies, emergency personnel, and funding resources. - Potential for a grant funding competition. - Potential partners include Adelphi University, the Business Continuity Institute, and local Chambers of Commerce. 	<p>\$200,000 for one full-time staff person for two years</p> <p>\$40,000 or less per CR area, depending on participation</p> <p>Additional funding needed to maintain the program</p>	Commercial Areas
P14 South Shore Stormwater System	<ul style="list-style-type: none"> - Document condition and ownership of stormwater drainage systems and use hydraulic 	<p>\$3,000,000</p> <p>\$600,000 per</p>	Community-wide



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Modeling and Analysis	and hydrologic models to study surface and subsurface stormwater drainage. - Perform a study of the Sunrise Highway Conduit. - Identify solutions for stormwater management including capital projects, maintenance requirements, regulatory improvements, public awareness programs and other property-owner assistance	CR area, depending on participation Potential funding from Rising to the Top competition	
P15 South Shore Shoreline Conditions Analysis and Restoration Program	- Inventory, digitize and assess shoreline conditions. - Analyze potential solutions to restore shorelines to pre-Irene and pre-Sandy conditions using hard, hybrid-structure, living shoreline, wave attenuation, and other solutions. - Develop a program to incentivize coordinated and continuous shoreline improvements along private properties to reduce erosion and protect against tidal water and storm surge. - Implement pilot projects at a local level.	\$100,000,000 \$100,000 per CR area, depending on participation	South Shore Shoreline
P16 Lifeline Transportation Network	- Establish a system of local roads that lead to safe, upland locations. - Perform a study to identify Lifeline Network Roads within CR areas that lead to designated evacuation routes and Community Resource Centers. - Develop comprehensive guidelines and standards for these roads that may include priority debris cleaning, independently powered street lights, and uniform signage, operational cell phone towers for coverage, and priority power restoration and public transportation.	\$600,000 \$12,000 or less per CR area, depending on participation	Sunrise Highway, Merrick Road, Bayview Ave, Wantagh Ave, Seaford Ave, Willoughby Ave, Neptune Ave, Seamans Neck Rd, Marina Park Dr, Washington Ave
P17 Regional Energy Action Plan	- Perform study to identify options for distributed generation, microgrids, and smart grid technology integration. - Potential benefits include reduced energy costs and lower consumption for property owners, enhanced grid reliability, job opportunities in clean energy industries, and a cleaner environment.	\$1,000,000 for initial study Potential for NYSERDA funding	Community-wide



Featured Projects

Featured projects are innovative projects where an initial study or first phase is proposed for CDBG-DR or other funding, as well as other programs or initiatives that do not require capital expenditures.

Table 2: Featured and Recommended Projects

Project Name	Project Description	Project Geography
F1 Sunrise Highway, Merrick Road, Park Ave Drainage Improvements	This project would be the implementation of the design that is accomplished under Proposed Project 5. This project would improve stormwater management and drainage along: Sunrise Highway at Wantagh State Parkway, Merrick Road by Mill Pond Park, Merrick Road at Wantagh State Parkway, Merrick Road at Seaford Oyster Bay Expressway, and Park Avenue at the Fire Station.	Sunrise Highway at Wantagh State Parkway, Merrick Road at Mill Pond Park, Merrick Rd at Wantagh State Parkway, Merrick Rd at Seaford Oyster Bay Expressway, and Park Avenue
F2 Priority Local Roads Improvements	This project would be the implementation of the design that is accomplished under Proposed Project 6. This project would improve stormwater management and drainage along priority north –south running local roads.	Bayview Ave, Wantagh Ave, Seaford Ave, Willoughby Ave, Neptune Ave, Seamans Neck Rd, Washington Ave
F3 Wantagh High School and Seaford High School Solar PV and Battery Storage	Seek funding through New York State "K-Solar" Initiative to expand current array of solar panels at both schools and add battery backup for storage. This project would replace the need for a permanent backup generator and not only provide emergency backup supply but daily supply with the potential to export to the grid.	3301 Beltagh Ave Wantagh, NY 11793; 1575 Seamans Neck Rd, Seaford, NY 11783
F4 Wantagh Library and Seaford Library Solar PV and Battery Storage	Seek funding through New York State "Community Solar NY" initiative to install solar PV panels and battery backup for storage. This project would replace the need for a permanent backup generator and not only provide emergency backup supply but daily supply with the potential to export to the grid.	3285 Park Ave, Wantagh, NY 11793; 2234 Jackson Ave, Seaford, NY 11783
F5 Revise Zoning and Building Codes for Resilience	Revise TOH zoning, planning and building code regulations for resilient design. Incorporate 'best-practice' analysis of recently produced documents in the NYC metro area and other cities with similar issues. Adapt strategies and formulate amendments for local application. Work with TOH planning and building agencies to ensure that needs specific to the community’s rebuilding efforts are not omitted or overlooked.	Town of Hempstead
F6 Improve Resilience of Community Marinas	Develop and adopt new guidelines on the siting and design of new marinas, as well as the reconstruction of existing marinas. Develop emergency preparedness and evacuation procedures for marinas, including uniform procedures for securing vessels. Study and develop guidelines on managing	Marina Areas



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Project Name	Project Description	Project Geography
F7 Home Heating Upgrades	stormwater, adapting to sea level rise and climate change and monitoring and responding to erosion. Develop an outreach and education module for marina operators and boat owners. Amend building and planning regulations to phase out the use of oil fuel tanks south of Merrick Road. Set a deadline for all structures south of Merrick Road to convert to Natural Gas and/or other heat/hot water supply. Potentially incorporate homeowner incentive for early adopters. Incorporate temporary-intermediary regulations to require proper anchoring requirements based on anticipated inundation levels.	Town of Hempstead



Additional Resiliency Recommendations

Additional resiliency recommendations include projects and actions that the Planning Committee would like to highlight that are not categorized as Proposed or Featured Projects.

Table 3: Additional Resiliency Recommendations

Project Name	Project Description	Project Geography
A1 Seaford Harbor School Access Road	Expand road networks to alleviate traffic bottlenecks that may hinder evacuation and police/fire department efforts during emergencies. Construct additional access road for the Seaford Harbor School.	3500 Bayview Street
A2 Park Avenue Electrical Substation Resilience Enhancement	Substation within LIRR right of way was said to have flooded during Sandy. Assess condition of substation and evaluate critical elevations versus flood heights and determine source of flooding in order to install appropriate flood protection measure. Install appropriate flood protection measure (assume floodwall). Facilities should have two power feeds coming from separate substations in different geographic areas and entering from opposite sides of the facility. Place electric power feed lines underground and protect against salt water exposure by use of advanced cabling technologies that provide absolute protection.	Park Avenue and Oakland Avenue
A3 Living Shoreline Demonstration Project	Rehabilitate any shoreline that was damaged by Sandy with demonstration project of living shoreline techniques which can be used to minimize coastal erosion and maintain coastal process. Potential locations include Wantagh Park and Seamans Neck Park.	Wantagh Park or Seamans Neck Park
A4 Smart Switches and Meters	Conduct analysis to identify critical areas of the grid. Install additional underground smart switches and automated overhead switches in areas with overhead lines to provide greater grid flexibility and the ability to isolate areas where a power failure has occurred. Smart meters allow for rapid identification of structures experiencing power failures/interruptions, speed recovery time, and promote greater electric power distribution efficiency. Install smart meters linked to a GIS system at strategic points in the system that can determine if areas have power.	Seaford-Wantagh
A5 Stormwater Management Districts	A study of the feasibility of establishing stormwater management districts needs to be undertaken in an effort to address overlapping municipal authorities and the implementation of EPA Phase II Final Rule permit conditions.	Nassau County
A6 Commercial District Masterplan	Engage in a comprehensive masterplanning process for the community's commercial districts (i.e. Sunrise Highway, Wantagh Ave, and Merrick Rd) to encourage economic development and incorporates elements that will reinforce resiliency for Seaford and Wantagh. Work with business	Seaford-Wantagh



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A7 Bikeway Access	owners to establish business improvement districts in the community, and invest in public space improvements. Improve pedestrian access. Masterplanning efforts should integrate and support green infrastructure initiatives.	Community-wide
A7 Bikeway Access	Wantagh and Seaford have a lot of parkland that most people access by driving. The Long Island REDC awarded a project in 2013 where Nassau County proposes to initiate planning and design and begin the first phase of construction for a cost-effective, interconnected set of pathways for residents and tourists to walk, bike and ride from the LI Sound to the Great South Bay and Jones Beach, thus solving the limited options for north-south transportation on Long Island and enveloping the currently underutilized network of existing bike paths into safe transit corridors.	Community-wide