

SEQRA Full Environmental Assessment Form
Part 1 – Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.





Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonable available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D, & E, most items contain an initial question that must be answered either “Yes” or “No.” If the answer to the initial question is “Yes,” complete the sub-questions that follow. If the answer to the initial question is “No,” proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the project sponsor to verify that the information contained in Part 1 is accurate and complete.

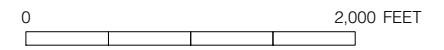
A. Project and Sponsor Information

Name of Action or Project: Living Breakwaters and Tottenville Dune Projects		
Project Location (describe, and attach a general location map): Tottenville shoreline of the South Shore of Staten Island, NY (see Figure 1).		
Brief Description of Proposed Action (include purpose or need): <p>Staten Island is exposed to extreme wave action and coastal flooding during hurricane and nor'easter events due to its location at the mouth of the New York Bight. The South Shore of Staten Island is particularly vulnerable to more continual and gradual coastal erosion and land loss. The overarching goal of the Proposed Actions is to reduce risk and coastal erosion along the shoreline in Tottenville by implementing strategies that, by using a layered approach, would primarily address wave action, impacts of coastal flooding and event-based and long-term shoreline erosion, while restoring and enhancing ecosystems and engaging with the community through educational programs and enhanced waterfront access.</p> <p>The Living Breakwaters Project was conceived for the HUD-sponsored Rebuild by Design competition, and addresses the structural and social vulnerabilities exposed by Superstorm Sandy in October 2012. New York State has been allocated \$60 million of CDGB-DR program funds toward a total estimated project cost of \$74 million to implement the project along the Tottenville shoreline of the South Shore of Staten Island. The Breakwaters Project is intended to address wave action and long-term shoreline erosion, while restoring and enhancing ecosystems and engaging with the community as mentioned above. The proposed Breakwaters Project would include an ecologically enhanced breakwater system along an approximately 13,000 linear foot stretch off the Tottenville shoreline. This project would also include a community Water Hub to provide a place for access to the waterfront, orientation, education, information, restoration, gathering and equipment storage, and several on-shore and near-shore landscape elements in the area of the Water Hub.</p> <p>The Tottenville Dune Project was conceived through the NY Rising Community Reconstruction planning process, and proposes new dunes and dune plantings as a coastal resiliency strategy for the Tottenville area. New York State proposes to use approximately \$6,350,000 of HUD CDBG-DR program funds to implement a dune system with plantings along the Tottenville shoreline from approximately Brighton Street to Joline Avenue. The Dune Project is intended to protect against coastal flooding and wave action, complementing the Breakwaters Project and furthering the goal of risk reduction in Tottenville. The Dune Project is proposed as a permanent dune system that would consist of constructed dunes having a stone core with a sand cap. The dunes would then be planted with vegetation that would help stabilize the dunes with root structure to bind the sand, helping to reduce wind and water erosion, while promoting enlargement of the dunes by accretion. The proposed permanent dune system would be located along the Tottenville shoreline from approximately Brighton Street to Joline Avenue.</p> <p>Implementation of the Proposed Actions potentially involves federal, state and local approvals, and is subject to NEPA and SEQRA and their implementing regulations.</p>		
Name of Applicant/Sponsor: Governor's Office of Storm Recovery (GOSR)		Telephone: 212-480-4644
		E-Mail: Daniel.Greene@stormrecovery .ny.gov
Address: 25 Beaver Street, 5th Floor		
City/PO: New York	State: NY	Zip Code: 10004
Project Contact (if not same as sponsor; give name and title/role): Daniel Greene, Deputy General Counsel		Telephone: 212-480-4644
		E-Mail: Daniel.Greene@stormrecovery .ny.gov
Address: 25 Beaver Street, 5th Floor		
City/PO: New York	State: NY	Zip Code: 10004
Property Owner (if not same as sponsor): The Proposed Actions are expected to take place on lands under the jurisdiction and ownership of the State of New York and/or the City of New York. Complete information regarding the location of the Proposed Actions shall be set forth in the forthcoming Draft EIS.		Telephone: NA
		E-Mail: NA
Address: NA		
City/PO: Staten Island	State: NY	Zip Code: 10307



-  Proposed Living Breakwaters - Potential Configuration
-  Proposed Water Hub (location to be determined)
-  Proposed Dunes
-  Zone of Potential Breakwater Alignment

FOR ILLUSTRATIVE PURPOSES ONLY



Living Breakwaters and Tottenville Dune Projects

**Project Location
Figure 1**

B. Government Approvals

B. Government Approvals Funding, or Sponsorship. (“Funding” includes grants, loans, tax relief, and any other forms of financial assistance.)		
Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
c. City Council, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> • Department of Parks and Recreation: Plans and Designs for modification to parkland, including permits and natural resources oversight, tree clearing and tree protection • Department of Environmental Protection: Possible stormwater management, water and sewer infrastructure, natural resources • New York City Planning Commission/Planning Department: Planning and Coastal Zone Consistency decision-making • New York City Public Design Commission: Review of art, architecture and landscape features proposed for City-owned property and capital projects • Landmarks Preservation Commission: Advisory agency for activities on or near sites of historic or archeological value • New York City Department of Buildings: construction permits 	
e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> • Governor’s Office of Storm Recovery (GOSR) acting under the auspices of the Housing Trust Fund Corporation and New York State Homes and Community Renewal, funding decisions for Proposed Actions and responsibility for environmental review, decision-making, and action under 42 U.S.C. § 5304(g) • Department of Environmental Conservation: Permits related to activities in tidal wetlands or adjacent areas (Article 25) or protection of waters (Article 15), Water Quality Certification (Section 401). Permit related to endangered species if incidental take is determined. Coastal erosion management permit for structures in Coastal Erosion Hazard Area (CEHA) • Department of State: Coastal Zone Consistency for actions requiring Federal permits • Office of General Services: Review and possible lease/license/easement for submerged lands • Office of Parks, Recreation and Historic Preservation: Advisory role in federal permit review process pursuant to Section 106 of the National Historic Preservation Act (NHPA) with respect to designated and protected properties on the State and National Register and Eligible buildings and places. Interested party with respect to secondary impacts to natural resources on State-owned lands. 	
h. Federal agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> • Department of Housing and Urban Development: Disbursement of Funds, administration of CDBG-DR grant to the State of New York; review of Action Plan Amendments • United States Army Corps of Engineers: Issuance of permits or authorizations for activities in Waters of the U.S. (Section 404 of the Clean Water Act) or structures within navigable waters (Section 10 of the Rivers and Harbors Act) and alteration, occupation, or use of a USACE civil works project (e.g., federal navigation channel, Section 14 of the Rivers and Harbors Act of 1899 and codified in 33 USC 408 [“Section 408”]). Coordination with on-going studies with respect to shoreline stabilization along the South Shore of Staten Island (Phase 2) • Environmental Protection Agency, U.S. Fish and Wildlife Service, National Marine Fisheries Service: Advisory agencies to Army Corps of Engineers during permit review, focusing on activities that affect wetlands, protected species and Essential Fish Habitat. Biological Opinion needed if an incidental take is identified • United States Coast Guard: Coordination and authorization regarding marking/lighting for new in-water structures, and placement of construction barges • Federal Emergency Management Agency: Review of breakwater design and potential changes to Flood Insurance Rate Maps 	

i. Coastal Resources	
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes,	
ii. If the project site located in a community with an approved Local Waterfront Revitalization Program?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

C. Planning and Zoning

C.1. Planning and zoning actions.	
Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<ul style="list-style-type: none"> • If Yes, complete sections C, F and G. • If No, proceed to question C.2 and complete all remaining sections and questions in Part 1. 	
C.2. Adopted land use plans.	
a. Do any municipally adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located?	<input type="checkbox"/> Yes <input type="checkbox"/> No
b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, identify the plan(s):	<p><u>The project area is located within the New York City Coastal Zone.</u></p> <p>_____</p> <p>_____</p>
c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, identify the plan(s):	<p>_____</p> <p>_____</p> <p>_____</p>
C.3. Zoning	
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes, what is the zoning classification(s) including any applicable overlay district?	<p>The components of the Proposed Actions would be located within parkland or in water and these areas are not classified with respect to zoning. The surrounding area has a number of different zoning designations along the Surf Avenue area, including R1-2, R3-2, and R3A districts. In addition, the surrounding area is located in the Special South Richmond Development District, a special purpose district of the NYC Zoning Resolution</p>
b. Is the use permitted or allowed by a special or conditional use permit?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
c. Is a zoning change requested as part of the proposed action?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes,	
i. What is the proposed new zoning for the site?	_____
C.4. Existing community services.	
a. In what school district is the project site located?	School District 31
b. What police or other public protection forces serve the project site?	New York City Police Department, 123rd Precinct
c. Which fire protection and emergency medical services serve the project site?	New York City Fire Department Division 8, Battalion 23, Ladder Company 82
d. What parks serve the project site?	<p>The project area includes portions of several parks, including Conference House Park; Hybrid Oak Woods Park; Lenape Park; Butler Manor Woods; Cunningham Pond and the Mount Loretto Unique Area</p> <p>_____</p> <p>_____</p>

D. Project Details

D.1. Proposed and Potential Development	
a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)?	
Ecologically enhanced breakwater system, permanent dune system, and on-shore building (Water Hub) to include community facilities, recreational support uses and limited retail to support recreational uses.	
b. a. Total acreage of the site of the proposed action?	This information will be provided in the DEIS acres
b. Total acreage to be physically disturbed?	This information will be provided in the DEIS acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor?	This information will be provided in the DEIS acres
See Figure 1 for a conceptual illustration of the components of the Proposed Actions. The proposed breakwaters would span an approximately 13,000 linear foot stretch off the Tottenville shoreline. The proposed dune system would span an approximately 2,500 foot stretch along the Tottenville shoreline (from approximately Brighton Street to Joline Avenue). The acreages above will be established as the design of the Proposed Actions is advanced during the EIS process.	
c. Is the proposed action an expansion of an existing project or use?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)?	% _____ Units: _____
d. Is the proposed action a subdivision, or does it include a subdivision?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes,	
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)	

ii. Is a cluster/conservation layout proposed?	<input type="checkbox"/> Yes <input type="checkbox"/> No
iii. Number of lots proposed?	
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____	
e. Will proposed action be constructed in multiple phases?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
i. If No, anticipated period of construction:	_____ months
ii. If Yes:	
<ul style="list-style-type: none"> • Total number of phases anticipated Two (one phase onshore, one phase offshore) • Anticipated commencement date of phase 1 (including demolition) month _____ 2016 year (Dune Project) • Anticipated completion date of final phase month _____ 2019 year • Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: 	
Construction phases will be dependent on the location and type of construction activities, to be determined. Construction of on-shore and in water components may be concurrent, though in water construction expected to start after on-shore construction, with on shore dune construction expected to begin in 2016, and construction of other on-shore elements to end before the completion of in water construction. Expected date of completion of all components is 2019.	
f. Does the project include new residential uses?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, show number of units proposed.	
Initial Phase	<u>One Family</u> <u>Two Family</u> <u>Three Family</u> <u>Multiple Family (four or more)</u>
At completion	_____
of all phases	_____
g. Does the proposed action include new non-residential construction (including expansions)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes,	
i. Total number of structures - One breakwater system with multiple in-water structures, one on-shore permanent dune system, one building	
ii. Dimensions (in feet) of largest proposed structure TBD height; TBD width; and TBD length	
iii. Approximate extent of building space to be heated or cooled: currently estimated at approximately 6,000 square feet	
h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
i. Purpose of the impoundment:	
ii. If a water impoundment, the principal source of the water: <input type="checkbox"/> Ground Water <input type="checkbox"/> Surface water streams <input type="checkbox"/> Other specify:	

iii. If other than water, identify the type of impounded/contained liquids and their source.	

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres	
v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length	
vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):	

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? Yes No
(Not including general site preparation, grading, or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

- i. What is the purpose of the excavation or dredging? **Possible excavation for foundation of proposed Water Hub; possible excavation for installation of proposed permanent dune system; possible dredging associated with installation of the proposed breakwaters.**
- ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?
 - Volume (specify tons or cubic yards): **This information will be provided in the DEIS.** _____
 - Over what duration of time? **This information will be provided in the DEIS** _____
- iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.
This information will be provided in the DEIS, except to state that removals would be done by an approved excavation contractor and taken to a licensed facility. _____
- iv. Will there be onsite dewatering or processing of excavated materials? **This information will be provided in the DEIS** Yes No
If yes, describe.

- v. What is the total area to be dredged or excavated? **This information will be provided in the DEIS** _____ acres
- vi. What is the maximum area to be worked at any one time? **This information will be provided in the DEIS** _____ acres
- vii. What would be the maximum depth of excavation or dredging? **This information will be provided in the DEIS** _____ feet
- viii. Will the excavation require blasting? Yes No
- ix. Summarize site reclamation goals and plan:

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? Yes No

If Yes,

- i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description):
Littoral zone tidal wetlands of Raritan Bay along the South Shore of Staten Island and a portion of Raritan Bay.
- ii. Describe how the proposed action would affect that water body or wetland, e.g., excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:
Dune reconstruction/construction and planting along the South Shore of Staten Island would result in some placement of sand and other material within NYSDEC littoral zone tidal wetlands along approximately 0.5 miles of shoreline. Installation of breakwaters would result in placement of approximately 13,000 linear feet of breakwater materials off the Tottenville shoreline of Staten Island.
- iii. Will proposed action cause or result in disturbance to bottom sediments? Yes No
If Yes, describe: **Through the placement of rock and other material comprising the breakwater system.**
- iv. Will proposed action cause or result in the destruction or removal of aquatic vegetation? **This information will be provided in the DEIS** Yes No
If Yes:
 - acres of aquatic vegetation proposed to be removed _____
 - expected acreage of aquatic vegetation remaining after project completion _____
 - purpose of proposed removal (e.g., beach clearing, invasive species control, boat access): _____
 - proposed method of plant removal: _____
 - if chemical/herbicide treatment will be used, specify product(s): _____
- v. Describe any proposed reclamation/mitigation following disturbance:

c. Will the proposed action use, or create a new demand for water? Yes No

If Yes:

i. Total anticipated water usage/demand per day: currently estimated at **approximately 1,620 gallons/day (proposed Water Hub)**

ii. Will the proposed action obtain water from an existing public water supply? Yes No

If Yes:

- Name of district or service area: **NYC water supply**
- Does the existing public water supply have capacity to serve the proposal? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing lines serve the project site? **This information will be provided in the DEIS** Yes No

iii. Will line extension within an existing district be necessary to supply the project?
This information will be provided in the DEIS Yes No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____
- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project:

vi. If water supply will be from wells (public or private), maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? Yes No

If Yes:

i. Total anticipated liquid waste generation per day: **currently estimated at approximately 600 gallons/day (proposed Water Hub)**

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each):

Sanitary wastewater from proposed Water Hub

iii. Will the proposed action use any existing public wastewater treatment facilities? Yes No

If Yes:

- Name of wastewater treatment plant to be used: **Oakwood Beach**
- Name of district: **NYCDEP Wastewater Treatment System**
- Does the existing wastewater treatment plant have capacity to serve the project? Yes No
- Is the project site in the existing district? Yes No
- Is expansion of the district needed? Yes No
- Do existing sewer lines serve the project site? **To be determined in consultation with NYCDEP.** Yes No
- Will line extension within an existing district be necessary to serve the project? **To be determined in consultation with NYC** Yes No

DEP Yes No

If yes:

- Describe extensions or capacity expansions proposed to serve this project:

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? Yes No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge, or describe subsurface disposal plans):

vi. Describe any plans or designs to capture, recycle or reuse liquid waste

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e., ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e., sheet flow) during construction or post construction? Yes No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources

iii. Where will the stormwater runoff be directed (i.e., on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

• If to surface waters, identify receiving water bodies or wetlands: _____

• Will stormwater runoff flow to adjacent properties? Yes No

iv. Does proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? Yes No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? Yes No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) **Construction equipment such as barge cranes and excavators would be used but no major stationary sources are anticipated to be needed.**

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) **Heating and Hot Water System in the proposed Water Hub.**

g. Will any air emission sources in D.2.f (above) require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V permit? Yes No

If Yes,

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) Yes No

ii. In addition to emissions as calculated in the application, the project will generate:

• _____ Tons/year (short tons) of Carbon Dioxide (CO₂)

• _____ Tons/year (short tons) of Nitrous Oxide (N₂O)

• _____ Tons/year (short tons) of Perfluorocarbons (PFCs)

• _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆)

• _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs)

• _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? Yes No

If Yes,

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring):

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? Yes No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? **Traffic will be analyzed in the forthcoming DEIS** Yes No

If Yes:

i. When is the peak traffic expected (check all that apply): Morning Evening Weekend
 Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of semi-trailer truck trips/day: _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? Yes No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? Yes No

vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? Yes No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? Yes No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? Yes No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: **currently estimated at approximately 1,297,800 MBtu (proposed Water Hub)**

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):
Exiting Consolidated Edison power grid.

iii. Will the proposed action require a new, or an upgrade to, an existing substation? Yes No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday – Friday: **7AM-6PM****
- Saturday: **7AM-6PM⁺**
- Sunday: **7AM-6PM⁺**
- Holidays: **7AM-6PM⁺**

ii. During Operations: **This information will be provided in the DEIS**

- Monday – Friday: _____
- Saturday: _____
- Sunday: _____
- Holidays: _____

* **All work would occur between 7AM and 6PM, per New York City laws and regulations.**
⁺ **Necessary permits would be obtained from the appropriate agencies if work is required outside of permitted work hours (i.e., night, weekends, or holidays).**

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? Yes No

If Yes:

i. Provide details including sources, time of day and duration:
Construction-related activities (i.e. breakwater construction, dune system construction, etc.) would generate noise but these activities would be temporary in nature.

ii. Will proposed action remove existing natural barriers that could act as a noise barrier or screen? Yes No
 Describe:

n. Will the proposed action have outdoor lighting? Yes No

If Yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:
This information will be provided in the DEIS

ii. Will proposed action remove existing natural barrier that could act as light barrier or screen? Yes No
 Describe:

<p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">If yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____</p>
<p>p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products (185 gallons in above ground storage or any amount in underground storage)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes,</p> <p style="margin-left: 20px;">i. Product(s) to be stored _____</p> <p style="margin-left: 20px;">ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p style="margin-left: 20px;">iii. Generally describe proposed storage facilities _____</p>
<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe proposed treatment(s): _____</p> <p style="margin-left: 20px;">ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: This will be provided in the DEIS. tons per _____ (unit of time) • Operation: This will be provided in the DEIS. ____ tons per _____ (unit of time) <p style="margin-left: 20px;">ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ This information will be provided in the DEIS <p style="margin-left: 20px;">iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: _____ • Operation: _____ This information will be provided in the DEIS
<p>s. Does the proposed action include construction or modification of a solid waste management facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____</p> <p style="margin-left: 20px;">ii. Anticipated rate of disposal/processing:</p> <ul style="list-style-type: none"> • _____ Tons/month, if transfer or other non-combustion/thermal treatment, or • _____ Tons/hour, if combustion or thermal treatment <p style="margin-left: 20px;">iii. If landfill, anticipated site life: _____ years</p>

t. Will proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? Yes No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility:

ii. Generally describe processes or activities involving hazardous waste or constituents:

iii. Specify amount to be handled or generated: ____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents:

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility?

Yes No

If Yes: provide name and location of facility:

If No: Describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1 Land uses on and surrounding the project site

a. Existing land uses.

i. Check all land uses that occur on, adjoining and near the project site.

- Urban Industrial Commercial Residential (suburban) Rural (non-farm)
 Forest Agriculture Aquatic Other (specify): **Parks**

ii. If mix of uses, generally describe:

b. Land uses and covertypes on the project site.

Land use or covertime	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	This information will be provided in the DEIS		
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	This information will be provided in the DEIS		
• Agricultural (includes active orchards, field, greenhouse, etc.)	This information will be provided in the DEIS		
• Surface water features (lakes, ponds, streams, rivers, etc.)	This information will be provided in the DEIS		
• Wetlands (freshwater or tidal)	This information will be provided in the DEIS		
• Non-vegetated (bare rock, earth or fill)	This information will be provided in the DEIS		
• Other Describe: _____	This information will be provided in the DEIS		

c. Is the project site presently used by members of the community for public recreation?

Yes No

i. If yes: explain: **Conference House Park/beach**

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site?

Yes No

If Yes:

i. Identify Facilities:

Day care centers: Volunteers of America – Greater New York, Inc.; Tottenville Tots

e. Does the project site contain an existing dam? Yes No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection: _____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? Yes No

If Yes:

i. Has the facility been formally closed?

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store, and/or dispose of hazardous waste? Yes No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? Yes No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: Yes No

Yes – Spills Incidents database Provide DEC ID number(s): _____

Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures: _____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? Yes No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____

v. Is the project site subject to an institutional control limiting property uses? Yes No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? Yes No
- Explain: _____

E.2. Natural Resources On or Near Project Site	
a. What is the average depth to bedrock on the project site? Currently estimated as greater than 100 feet	
b. Are there bedrock outcroppings on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%	
c. Predominant soil type(s) present on project site: Preliminarily identified as sand/silty mud 90 % sandy loam 10 % _____ %	
d. What is the average depth to the water table on the project site? Average: currently estimated as 0 to 10 feet	
e. Drainage status of project site soils: <input checked="" type="checkbox"/> Well Drained: 10 % of Site <input type="checkbox"/> Moderately Well Drained: _____ % of Site <input checked="" type="checkbox"/> Poorly Drained: 90 % of Site	
f. Approximate proportion of proposed action site with slopes: : <input checked="" type="checkbox"/> 0-10%: 100 % of Site <input type="checkbox"/> 10-15%: _____ % of Site <input type="checkbox"/> 15% or greater: _____ % of Site	
g. Are there any unique geologic features on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, describe: _____	
h. Surface water features: i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No ii. Do any wetlands or other waterbodies adjoin the project site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes to either i or ii, continue. If No, skip to E.2.1. iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No iv. For each identified regulated wetland and waterbody on the project site, provide the following information. • Streams: Name <u>890-27</u> Classification <u>I</u> • Lakes or Ponds: Name <u>890-10, 890-11, 890-12</u> Classification <u>SB, I</u> • Wetlands: Name <u>Federal Waters, Tidal Wetlands</u> Approximate Size <u>NYS Wetland (in acres):16.8</u> Wetland No. (if regulated by DEC) <u>AR-22</u> v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If yes, name of impaired water body/bodies and basis for listing as impaired: <u>Name-Pollutants-Uses: Raritan Bay (Class I) – Priority Organics; Metals-Fish Consumption</u> <u>Name-Pollutants-Uses: Raritan Bay (Class SB) – Priority Organics; Metals-Fish Consumption</u>	
i. Is the project site in a designated Floodway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
j. Is the project site in the 100 year Floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
k. Is the project site in the 500 year Floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes: i. Name of aquifer: _____	
m. Identify the predominant wildlife species that occupy or use the project site: <u>Canada goose, mallard, rock dove, American crow, gray squirrel, American robin, bluejay</u>	

n. Does the project site contain a designated significant natural community?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Describe the habitat/community (composition, function, and basis for designation): <div style="text-align: center; border-bottom: 1px solid black; padding: 2px 0;">Essential Fish Habitat will be assessed in the DEIS pursuant to NEPA.</div>	
<i>ii.</i> Source(s) of description or evaluation: _____	
<i>iii.</i> Extent of community/habitat:	
<ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 	
o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Piping plover; roseate tern; northern long-eared bat; shortnose and Atlantic sturgeon; loggerhead, leatherback and Kemp's Ridley marine turtles	
p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
q. Is the project site or adjoining area currently used for hunting, trapping, fishing, or shell fishing?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If yes, give a brief description of how the proposed action may affect that use: <div style="text-align: center; border-bottom: 1px solid black; padding: 2px 0;">Breakwater structures will be sited to avoid existing clam beds to the greatest extent possible</div>	
E.3. Designated Public Resources On or Near the Project Site	
a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Marks Law, Article 25-AA, Sections 303 and 304?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes, provide county plus district name/number: _____	
b. Are agricultural lands consisting of highly productive soils present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<i>i.</i> If Yes: acreage(s) on project site? _____	
<i>ii.</i> Source(s) of soil rating(s) _____	
c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature	
<i>ii.</i> Provide brief description of landmark, including values behind designation and approximate size/extent: _____ _____	
d. Is the project site located in or does it adjoin a state-listed Critical Environmental Area?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
<i>i.</i> CEA name: _____	
<i>ii.</i> Basis for designation: _____	
<i>iii.</i> Designating agency and date: _____	
e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on, or has been nominated by the NYS Board of Historic Preservation for inclusion on, the State or National Register of Historic Places?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
<i>i.</i> Nature of historic/archaeological resource: <input checked="" type="checkbox"/> Archaeological Site <input checked="" type="checkbox"/> Historic Building or District	
<i>ii.</i> Name: 1) Ward's Point Conservation Area (S/NR) and 2) Conference House Park (NHL, S/NR)	
<i>iii.</i> Brief description of attributes on which listing is based: <div style="text-align: center; border-bottom: 1px solid black; padding: 2px 0;">1) Multi-component Native American archaeological site/archaeological historic district, and 2) 1680 house that was the site of a peace conference in 1776 convened in an attempt to end the Revolutionary War</div>	

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
g. Have additional archaeological or historic site(s) or resourced been identified on the project site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
i. Describe possible resource(s): 1) Prehistoric shell middens, camp sites, and burial locations; 2) the Biddle House (NYCL)	
ii. Basis for identification: Sites mapped by the New York State Museum; additional areas of archaeological sensitivity identified by Arnold Pickman in <i>Archaeological and Historical Intensive Documentary Research: Conference House Park, Staten Island prepared for Jackson & Kihn/South Street Design Company, 1997</i>	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
If Yes:	
i. Identify resource: Conference House Park, Hybrid Oak Woods Park, Butler Manor Woods, Cunningham Pond, Mount Loretto Unique Area	
ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Local scenic and aesthetic resources	
iii. Distance between project and resource: Conference House Park (adjacent), Hybrid Oak Woods Park (approx. 100ft), Butler Manor Woods (approx.. 1,200ft), Cunningham Pond (approx. 2,500ft), Mount Loretto Unique Area (1mile)	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If Yes:	
i. Identify the name of the river and its designation: _____	
ii. Is the activity consistent with development restrictions contain in 6NYCRR Part 666?	<input type="checkbox"/> Yes <input type="checkbox"/> No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name **Governor's Office of Storm Recovery (GOSR)**

Date **January 30, 2015**

Signature 

Title **Daniel Greene, Deputy General Counsel and Certifying Officer**