

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 reasonably 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 applicant or project sponsor to verify that the information contained in Part 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Roslyn Substation Expansion Project ("Proposed Action")		
Project Location (describe, and attach a general location map): Hamlets of Roslyn Heights and Albertson, located within the Town of North Hempstead, and in the Village of North Hills, Village of Roslyn, Village of Roslyn Estates, Village of East Hills, and Village of Old Westbury, Nassau County, New York.		
Brief Description of Proposed Action (include purpose or need): See Attachment A - Project Description		
Name of Applicant/Sponsor: PSEG Long Island, as Agent for the Long Island Lighting Co. d/b/a LIPA, a wholly owned subsidiary of the Long Island Power Authority		Telephone: (800) 490-0025
		E-Mail: PSEGLongIslandSEQR@pseg.com
Address: 175 East Old Country Road		
City/PO: Hicksville	State: New York	Zip Code: 11801
Project Contact (if not same as sponsor; give name and title/role): Daniel Rogers, Manager, Estimating, Permitting & Risk Management, PSEG Long Island		Telephone: (800) 490-0025
		E-Mail: PSEGLongIslandSEQR@pseg.com
Address: 175 East Old Country Road		
City/PO: Hicksville	State: New York	Zip Code: 11801
Property Owner (if not same as sponsor): Long Island Lighting Company d/b/a LIPA		Telephone: 516-222-7700
		E-Mail:
Address: 333 Earle Ovington Boulevard		
City/PO: Uniondale	State: NY	Zip Code: 11553

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 Counsel, Town Board, <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No or Village Board of Trustees		
b. City, Town or Village <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Planning Board or Commission		
c. City, Town or <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Village Zoning Board of Appeals		
d. Other local agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
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	NYSDEC GP 0-15-002, SPDES General Permit for Stormwater Discharges	February 2020 (projected)
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources. i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No iii. Is the project site within a Coastal Erosion Hazard Area? <input type="checkbox"/> Yes <input checked="" 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? ☐ Yes ☒ No

- 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? Nassau County Draft 2010 Master Plan ☒ Yes ☐ No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐ Yes ☒ 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?) ☐ Yes ☒ No

If Yes, identify the plan(s):

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? ☐ Yes ☒ No

If Yes, identify the plan(s):

C.3. Zoning

- a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☒ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
The Substation is located in Business A District (B-A) of the Town of North Hempstead. The C&R work and distribution feeders are located in various residential and commercial districts. Note: LIPA is a State Authority exempt from local zoning regulations.
- b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☒ No

Note: LIPA is a State Authority exempt from local zoning regulations
- c. Is a zoning change requested as part of the proposed action? ☐ Yes ☒ 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? Roslyn Union Free School District (UFSD), East Williston UFSD, Jericho UFSD, Herricks UFSD
- b. What police or other public protection forces serve the project site?
Nassau County Police Department - Third and Sixth Precincts; Old Westbury Police Department
- c. Which fire protection and emergency medical services serve the project site?
Roslyn Rescue/Highlands Fire District, Manhasset-Lakeville Fire District, Albertson Fire District
- d. What parks serve the project site?
Herricks Park, John D. Caemmerer Park, Kelleher Field, The Park at East Hills, Gerry Park

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)?
Utility: Electric Substation, underground distribution feeders, and conversion and reinforcement (C&R)
- b. a. Total acreage of the site of the proposed action? _____ ±3.80 acres *Includes Substation work, feeder
b. Total acreage to be physically disturbed? _____ ±3.18 acres installation, and C&R work along
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? _____ ±3.80 acres right-of-ways
- c. Is the proposed action an expansion of an existing project or use? ☒ Yes ☐ 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)? % 1.34 Units: _____ acres
- d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☒ 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? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____
- e. Will the proposed action be constructed in multiple phases? ☐ Yes ☒ No
i. If No, anticipated period of construction: _____ ~13 months
ii. If Yes:
 - Total number of phases anticipated _____
 - Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
 - Anticipated completion date of final phase _____ month _____ year
 - Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

*There are two existing 138/13 kV 28 MVA transformer banks. The Proposed Action would add one new 138/13 kV 33 MVA transformer bank.

f. Does the project include new residential uses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
If Yes, show numbers of units proposed.				
	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
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 <u>~130</u>	
ii. Dimensions (in feet) of largest proposed structure: <u>70*</u> height; <u>~2</u> width; and <u>~2</u> length	*Dimension of transmission by-pass poles, which will be temporary structures
iii. Approximate extent of building space to be heated or cooled: <u>800</u> 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	
If Yes,	
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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? <u>Installation of substation equipment, feeders in conduit, transmission and distribution pole installation, and associated appurtenances</u>	
ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?	
<ul style="list-style-type: none"> • Volume (specify tons or cubic yards): <u>1,150 tons (assuming 50% soil reuse)</u> • Over what duration of time? <u>13 months</u> 	
iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.	
Excavated material will include asphalt, road bed and subsurface soils beneath the roadway. Excavated soil will be temporarily stockpiled for subsequent backfill or disposal following installation of the underground feeders. The majority of excavated subsurface soil will be placed back into the excavations. Excess and unsuitable soil and asphalt will be disposed of in accordance with Federal and State regulations.	
1v. Will there be onsite dewatering or processing of excavated materials? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If yes, describe. _____	
v. What is the total area to be dredges or excavated <u>_____</u> <u>+3.18</u> acres	
vi. What is the maximum area to be worked at any one time? <u>_____</u> <u>+3.18</u> acres	
vii. What would be the maximum depth of excavation or dredging? <u>_____</u> <u>~15</u> feet	
viii. Will the excavation require blasting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
ix. Summarize site reclamation goals and plan: _____	
Disturbed areas will be restored upon project completion. Roadway surfaces will be graded and paved upon completion of distribution feeder cable installation and backfill. Disturbed sidewalk surfaces will be repaired or replaced with concrete. Disturbed grass areas will be reseeded and/or mulched. Disturbed areas within the Substation and expansion area will be covered with dolomite/bluestone subsequent to backfill.	

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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes:	
i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____	

ii. Describe how the proposed action would affect that waterbody 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:

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☐ No
If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ 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: _____ gallons/day

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

- Name of district or service area: _____
- 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? ☐ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ 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), what is the 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: _____ ~500* gallons/day

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): _____

*Drilling fluid/slurry, consisting of potable water and bentonite clay mixture for HDD activities. Water will be decanted from slurry to the extent feasible for re-use. All unused drilling fluid/slurry will be transported off-site for disposal in accordance with Federal and State regulations.

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

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- 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

<ul style="list-style-type: none"> • Do existing sewer lines serve the project site? _____ • Will a line extension within an existing district be necessary to serve the project? _____ <p>If Yes:</p> <ul style="list-style-type: none"> • Describe extensions or capacity expansions proposed to serve this project: _____ _____ _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <ul style="list-style-type: none"> • Applicant/sponsor for new district: _____ • Date application submitted or anticipated: _____ • What is the receiving water for the wastewater discharge? _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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): _____ _____ _____</p>		
<p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____ _____ _____</p>		
<p>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? _____</p> <p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel?</p> <p>_____ Square feet or <u>~+0.28</u> acres (impervious surface)</p> <p>_____ Square feet or <u>±3.80</u> acres (parcel size)</p> <p>ii. Describe types of new point sources. <u>A drainage swale will be installed along the southern boundary of the substation property.</u></p> <p>_____</p> <p>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)? _____</p> <p><u>Groundwater infiltration will occur within gravel surface areas of Substation, and a swale and two dry wells that will be installed within the southern portion of the Substation Site.</u></p> <p>_____</p> <ul style="list-style-type: none"> • If to surface waters, identify receiving water bodies or wetlands: _____ N/A • Will stormwater runoff flow to adjacent properties? _____ 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<p>iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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? _____</p> <p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) _____</p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) _____</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<p>g. Will any air emission sources named 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? _____</p> <p>If Yes:</p> <p>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) _____</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> • _____ 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) 		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

<p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate methane generation in tons/year (metric): _____</p> <p>ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p>			
<p>i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p>			
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend <input type="checkbox"/> Randomly between hours of _____ to _____.</p> <p>ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____</p> <p>iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p>iv. Does the proposed action include any shared use parking? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> <p>vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____</p> <p>iii. Will the proposed action require a new, or an upgrade, to an existing substation? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7:00 am - 5:00pm • Saturday: _____ 7:00 - 5:00pm, as needed • Sunday: _____ 7:00 - 5:00pm, as needed • Holidays: _____ 7:00 - 5:00pm, as needed </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Substation and associated utility • Saturday: _____ lines are unmanned and operate • Sunday: _____ 24 hours, 7 days a week • Holidays: _____ </td> </tr> </table>		<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7:00 am - 5:00pm • Saturday: _____ 7:00 - 5:00pm, as needed • Sunday: _____ 7:00 - 5:00pm, as needed • Holidays: _____ 7:00 - 5:00pm, as needed 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Substation and associated utility • Saturday: _____ lines are unmanned and operate • Sunday: _____ 24 hours, 7 days a week • Holidays: _____
<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 7:00 am - 5:00pm • Saturday: _____ 7:00 - 5:00pm, as needed • Sunday: _____ 7:00 - 5:00pm, as needed • Holidays: _____ 7:00 - 5:00pm, as needed 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ Substation and associated utility • Saturday: _____ lines are unmanned and operate • Sunday: _____ 24 hours, 7 days a week • 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:

Temporary, construction-phase noise to be generated between 7:00 a.m. and 5:00 p.m. associated with construction activities. Permanent incremental noise from the Proposed action will add a maximum of 1 dBA over ambient conditions.

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

Describe: Although existing vegetation will be removed within the Substation Site for construction, new plantings will be installed along the southern boundary of the expansion area.

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:

Outdoor lighting will be located within Substation Site. Height of light fixtures will be 24 feet and will result in negligible light spillage, if any, onto adjacent properties.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☒ Yes ☐ No

Describe: Although existing vegetation will be removed within the Substation Site for construction, new plantings will be installed along the southern boundary of the expansion area.

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☒ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

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? ☐ Yes ☒ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities: _____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☒ Yes ☐ No

If Yes:

i. Describe proposed treatment(s):

Herbicides will be applied annually only inside the Substation fence to control vegetative re-growth.

ii. Will the proposed action use Integrated Pest Management Practices? ☒ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☒ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: Max. 4,500 (assuming 50% reuse)* tons per 13 months (unit of time)
- Operation: N/A tons per N/A (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: During construction the contractor will recycle as much material as possible, and reuse all suitable soils.
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: Construction and demolition debris and soil not suitable for re-use will transported off-site for disposal in accordance with Federal and State regulations.
- Operation: N/A

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☒ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the 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 wastes 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 uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☒ Commercial ☒ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☐ Aquatic ☒ Other (specify): Transportation (Long Island Rail Road, Long Island Expressway [LIE], and Northern State Parkway), Utility (Existing PSEG LI substation and National Grid property)

ii. If mix of uses, generally describe:

The Roslyn Substation is an electrical substation. The feeder installation and C&R work will be located adjacent to residential and commercial properties.

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	1.04	1.32	+0.28
• Forested	0	0	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.41	0	-0.41
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	1.05	0	-1.05
• Other Describe: <u>Dolomite</u>	1.3	2.48	+1.18

c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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? If Yes, i. Identify Facilities: <u>See Supplement Information Attachment</u>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
e. Does the project site contain an existing dam? If Yes: i. Dimensions of the dam and impoundment: <ul style="list-style-type: none"> • 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: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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? If Yes: i. Has the facility been formally closed? <ul style="list-style-type: none"> • 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: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
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? If Yes: i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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? 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: <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <input checked="" type="checkbox"/> Yes – Spills Incidents database <input checked="" type="checkbox"/> Yes – Environmental Site Remediation database <input type="checkbox"/> Neither database </div> <div style="width: 50%;"> Provide DEC ID number(s): <u>See Supplemental Information Attachment</u> Provide DEC ID number(s): <u>C130239; 130167; 130205</u> </div> </div> ii. If site has been subject of RCRA corrective activities, describe control measures: <u>N/A</u> _____ _____ iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s): _____ iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
C130239: Brownfield Cleanup Program (BCP) Site. Limited information available - BCP Application still under review. 130167: Groundwater contaminant plume. Caused public water well contamination with VOCs. 130205: Site associated with Spill #0700094, which was closed on 10/24/14.	

v. Is the project site subject to an institutional control limiting property uses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	
<ul style="list-style-type: none"> • 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? <input type="checkbox"/> Yes <input type="checkbox"/> No • Explain: _____ _____ 																	
E.2. Natural Resources On or Near Project Site																	
a. What is the average depth to bedrock on the project site? _____ 750± feet below grade surface (bgs)																	
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: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; border-bottom: 1px solid black;">Ug - Urban Land</td> <td style="width: 40%; text-align: right; border-bottom: 1px solid black;">41 %</td> </tr> <tr> <td style="border-bottom: 1px solid black;">UrA - Urban Land-Riverhead complex</td> <td style="text-align: right; border-bottom: 1px solid black;">59 %</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="text-align: right; border-bottom: 1px solid black;"> %</td> </tr> </table>		Ug - Urban Land	41 %	UrA - Urban Land-Riverhead complex	59 %		%										
Ug - Urban Land	41 %																
UrA - Urban Land-Riverhead complex	59 %																
	%																
d. What is the average depth to the water table on the project site? Average: <u>72 - 80±</u> feet bgs																	
e. Drainage status of project site soils: <input checked="" type="checkbox"/> Well Drained: <u>100</u> % of site <input type="checkbox"/> Moderately Well Drained: _____ % of site <input type="checkbox"/> Poorly Drained: _____ % of site																	
f. Approximate proportion of proposed action site with slopes: <input checked="" type="checkbox"/> 0-10%: <u>100</u> % 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	
ii. Do any wetlands or other waterbodies adjoin the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	
If Yes to either <i>i</i> or <i>ii</i> , continue. If No, skip to E.2.i.																	
iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? <input type="checkbox"/> Yes <input type="checkbox"/> No																	
iv. For each identified regulated wetland and waterbody on the project site, provide the following information: <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;">•</td> <td style="width: 15%;">Streams:</td> <td style="width: 40%;">Name _____</td> <td style="width: 40%;">Classification _____</td> </tr> <tr> <td>•</td> <td>Lakes or Ponds:</td> <td>Name _____</td> <td>Classification _____</td> </tr> <tr> <td>•</td> <td>Wetlands:</td> <td>Name _____</td> <td>Approximate Size _____</td> </tr> <tr> <td>•</td> <td>Wetland No. (if regulated by DEC)</td> <td colspan="2">_____</td> </tr> </table>		•	Streams:	Name _____	Classification _____	•	Lakes or Ponds:	Name _____	Classification _____	•	Wetlands:	Name _____	Approximate Size _____	•	Wetland No. (if regulated by DEC)	_____	
•	Streams:	Name _____	Classification _____														
•	Lakes or Ponds:	Name _____	Classification _____														
•	Wetlands:	Name _____	Approximate Size _____														
•	Wetland No. (if regulated by DEC)	_____															
v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, name of impaired water body/bodies and basis for listing as impaired: _____ _____																	
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	
k. Is the project site in the 500-year Floodplain? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																	
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes:																	
i. Name of aquifer: <u>Nassau-Suffolk Sole Source Aquifer</u>																	

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <p>Typical suburban mammal and avian _____</p> <p>species (raccoon, gray squirrel, blue jay, _____</p> <p>cardinal, sparrow, etc.) _____</p>	
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 	
<p>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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p><small>According to the NYSDEC New York Nature Explorer, there are historical records for the New York State threatened Yellow Giant-hyssop in the vicinity of the site. However, this species was last documented in 1928. An ecological field survey was conducted on August 11, 2017, and this species was not observed at the project site. See Attachment C - Natural Resources for more information.</small></p>	
<p>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</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p>	
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p>	
<p>E.3. Designated Public Resources On or Near Project Site</p>	
<p>a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>	
<p>b. Are agricultural lands consisting of highly productive soils present? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site: _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): _____</p>	
<p>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</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>	
<p>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</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>	

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☒ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based: _____

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? ☒ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☒ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☒ Yes ☐ No

See Attachment D - Visual Resources for additional information.

If Yes:

i. Identify resource: Northern State Parkway; Meadowbrook State Parkway; Wantagh State Parkway

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): Scenic Byways

iii. Distance between project and resource: 0.1±; 2.5±; 4.2± miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☒ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ 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 Christopher Kiernan

Date 03/09/2020

Signature



Title Permitting Specialist

PRINT FORM