

**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: Brooklyn Avenue (5BK) New Substation (“Proposed Action”)		
Project Location (describe, and attach a general location map): <small>Brooklyn Avenue Substation: 48 Brooklyn Avenue, hamlet of Massapequa, Town of Oyster Bay, Nassau County, New York (the “Proposed Substation property”) Transmission Activities: Along an existing overhead transmission circuit located approximately 200 feet south of Proposed Substation property Distribution Feeders: Various roadways within surrounding area (See Attachment A for routes of all feeders)</small>		
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): Erin Gorman, Manager, Environmental Projects & Permitting, 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: New York	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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees	Easements from the Town of Oyster Bay	June 2022 (projected)
b. City, Town or Village Planning Board or Commission <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
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	<small>NYSDEC GP 0-20-001, SPDES General Permit (GP) for Stormwater Discharges;                      NYSDEC GP: 1-9901-00011/0032 for work in wetlands adjacent area;                      NYSDOT Highway Work Permit(s)</small>	SPDES June 22 (proj.); Wetlands GP June 22 (proj.) NYSDOT June 22 (proj.);
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 checked="" type="checkbox"/> Yes* <input type="checkbox"/> No *Overhead C&R work along and south of Merrick Road is located within the New York State Coastal Zone (see Appendix A) 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?  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?

NB - Neighborhood Business; LI - Light Industry; GB - General Business; ORD - Office, Research, Development; R1-1A - One Family Residence (TOBAY)  
AA, B, BB, CA - Residential Districts; B - Business (Town of Hempstead); Note: LIPA is a State Authority exempt from local regulation

b. Is the use permitted or allowed by a special or conditional use permit?  Yes  No

c. Is a zoning change requested as part of the proposed action?  Yes  No  
If Yes, Note: LIPA is a State Authority exempt from local regulation

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? Massapequa Union Free School District (UFSD) , Seaford UFSD, Plainedge UFSD, Wantagh UFSD

b. What police or other public protection forces serve the project site?  
Nassau Police Precinct 7

c. Which fire protection and emergency medical services serve the project site?  
Massapequa Fire District, Wantagh Fire District, Seaford Fire District, North Massapequa Fire District

d. What parks serve the project site?  
Nassau County Tackapausha Nature Preserve, Brady Park, Massapequa Preserve, Mill Pond Park and Washington Avenue Park. See Attachment D for additional information.

**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: electric substation, overhead transmission connections, underground distribution exit feeders, and distribution conversion and reconductoring (C&R) activities

b. a. Total acreage of the site of the proposed action? \_\_\_\_\_ ±2.0\* acres  
b. Total acreage to be physically disturbed? \_\_\_\_\_ ±2.0 acres  
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? \_\_\_\_\_ ±2.0\* acres  
\*Acreage of site includes Proposed Substation property and linear utility line areas.

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)? % \_\_\_\_\_ Units: \_\_\_\_\_

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: \_\_\_\_\_ ~18 months \*See note below

ii. If Yes:

- Total number of phases anticipated \_\_\_\_\_ 1
- 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: \_\_\_\_\_

\*Concrete foundations will be poured for a planned third transformer bank and switchgear enclosure; however this equipment is not anticipated to be installed for approximately 10 years.

f. Does the project include new residential uses?  Yes  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)?  Yes  No

If Yes,

i. Total number of structures 32

ii. Dimensions (in feet) of largest proposed structure: 75\* height; 3 width; and 3 length

iii. Approximate extent of building space to be heated or cooled: 1,920 square feet

\*Transmission Pole #55 will be approx. 90ft in height; however the pole will be embedded approx. 15ft resulting in a total height of 75 ft agl

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?  Yes  No

If Yes,

i. Purpose of the impoundment: \_\_\_\_\_

ii. If a water impoundment, the principal source of the water:  Ground water  Surface water streams  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: Construction of substation, including installation of grounding grid, installation of substation equipment on new concrete foundations, installation of underground distribution exit feeders, and replacement and installation of distribution and transmission poles.

i. What is the purpose of the excavation or dredging? \_\_\_\_\_

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): Approximately 1,120 cubic yards
- Over what duration of time? 18 months

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 soil within Proposed Substation property, and asphalt, road bed and subsurface soils beneath roadways. Excavated soil will be temporarily stockpiled for subsequent backfill. Most excavated subsurface soil will be placed back into the excavations. Excess soils will be generated from installation of manholes and concrete pads within substation and will be transported off-site in accordance with Federal and State regulations.

iv. Will there be onsite dewatering or processing of excavated materials?  Yes  No

If yes, describe. Dewatering is not anticipated; however, if warranted, groundwater will be discharged to on-site pervious areas or the sewer system in accordance with state and federal regulations, or will be containerized and transported off-site for disposal in accordance with state and federal regulations.

v. What is the total area to be dredged or excavated? ±2.0 acres

vi. What is the maximum area to be worked at any one time? ±2.0 acres

vii. What would be the maximum depth of excavation or dredging? ±30 for pole installations feet

viii. Will the excavation require blasting?  Yes  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 underground cable installation and backfill. Disturbed sidewalk surfaces will be repaired or replaced with concrete. Vegetation will be installed along the Proposed Substation perimeter for screening. The Proposed Substation property 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?  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): Within adjacent area of NYSDEC Freshwater Wetland A-1: 1) Approx. 1,250 linear foot underground distribution bypass and two associated riser poles (near the intersection of Merrick Rd & Seaford Ave); and 2) Approx. 500 linear foot section of underground bypass and one associated riser pole (north end of Takapausha Preserve on NY-105). Within adjacent area of NYSDEC Freshwater Wetland A-2: One distribution pole on Ocean Avenue, west of Massapequa Lake. No work will occur within the boundaries of the wetlands.

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:  
No work will be completed within the boundaries of any state or federally regulated wetland. Therefore, no excavation, fill, placement of structures, or alteration of channels, banks and shorelines will occur. All work near any regulated wetland will occur within adjacent areas, and will be conducted in accordance with PSEG Long Island's NYSDEC General Freshwater Wetland Permit (No. 1-9901-00011/0032)

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: \_\_\_\_\_ 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): \_\_\_\_\_

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

• Do existing sewer lines serve the project site?  Yes  No  
 • Will a line extension within an existing district be necessary to serve the project?  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  $\pm 0.07^*$  acres (impervious surface)  **\*Impervious surfaces include equipment/structure foundations**  
 \_\_\_\_\_ Square feet or  $\pm 2.0^{**}$  acres (parcel size)  **\*\*Total area of Proposed Action including linear utility work areas**

ii. Describe types of new point sources. No 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)?  
 Groundwater infiltration will occur within the dolomite surface areas of the Proposed Substation property.

• If to surface waters, identify receiving water bodies or wetlands: \_\_\_\_\_  
 N/A

• Will stormwater runoff flow to adjacent properties?  Yes  No

iv. Does the 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)  
 \_\_\_\_\_  
 iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)  
 \_\_\_\_\_

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?  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 (CO<sub>2</sub>)  
 • \_\_\_\_\_ Tons/year (short tons) of Nitrous Oxide (N<sub>2</sub>O)  
 • \_\_\_\_\_ Tons/year (short tons) of Perfluorocarbons (PFCs)  
 • \_\_\_\_\_ Tons/year (short tons) of Sulfur Hexafluoride (SF<sub>6</sub>)  
 • \_\_\_\_\_ 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): \_\_\_\_\_

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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): \_\_\_\_\_

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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?  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 truck trips/day and type (e.g., semi trailers and dump trucks): \_\_\_\_\_

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 1/2 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

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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: \_\_\_\_\_

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

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

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

<p>i. During Construction:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ 7:00 am - 6:00 pm*</li> <li>• Saturday: _____ 7:00 am - 6:00 pm*, as needed</li> <li>• Sunday: _____ 7:00 am - 6:00 pm*, as needed</li> <li>• Holidays: _____ 7:00 am - 6:00 pm*, as needed</li> </ul>	<p>ii. During Operations:</p> <ul style="list-style-type: none"> <li>• Monday - Friday: _____ Substation and associated utility</li> <li>• Saturday: _____ lines are unmanned and operate</li> <li>• Sunday: _____ 24 hours, 7 days a week</li> <li>• Holidays: _____</li> </ul>
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\*Evening work between 6:00 pm and 7:00 am may be required for select work activities. These overnight work hours will be coordinated with local municipalities prior to commencement.

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 during construction activities. Permanent incremental noise from the Proposed Action will not result in any recordable ( $\leq 1$  dBA increase) or perceptible increase above ambient noise levels.

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

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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 the Proposed Substation property. 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: \_\_\_\_\_

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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: \_\_\_\_\_

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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: \_\_\_\_\_

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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 inside the Proposed Substation property fencing to control vegetative re-growth.  
 \_\_\_\_\_

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

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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: \_\_\_\_\_ approximately 1,120 

cubic
yards

 per \_\_\_\_\_ 18 months (unit of time)
- Operation : \_\_\_\_\_ N/A 

cubic
yards

 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. Approximately 1,100 cubic yards of soil will remain in excess from the installation of concrete pads and manholes. All other soils will be re-used, unless deemed unsuitable.  
 \_\_\_\_\_
- Operation: N/A  
 \_\_\_\_\_

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

- Construction: Construction and demolition debris, excess soil, or 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

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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): Electric Utilities (Transmission Circuit); LIRR Right-of-Way; Town Highway Yard; public parks/preserves \_\_\_\_\_

ii. If mix of uses, generally describe: \_\_\_\_\_

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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	0.98	0.99	+0.01
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0.04	0.03	-0.01
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Dolomite substation surface / Impervious poles or equipment foundations	0.78 / 0.01	0.71 / 0.08	-0.07 / +0.07

c. Is the project site presently used by members of the community for public recreation?  Yes  No  
i. If Yes: explain: \_\_\_\_\_

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:  
See Supplemental Information Attachment  
\_\_\_\_\_

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?  Yes  No  
• 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): See Supplemental Information Attachment  
 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): V00397 and 130233 - LIRR Massapequa S15 Rectifier  
iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):  
The LIRR originally entered the site into the Voluntary Cleanup Program to handle mercury contamination within soil at the site. In 2018 the site was transitioned to the State Superfund Program. Remediation at the site is complete. Any residual contamination is being managed under a Site Management Plan (SMP).

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: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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**E.2. Natural Resources On or Near Project Site**

a. What is the average depth to bedrock on the project site? \_\_\_\_\_ ±1,000 feet

b. Are there bedrock outcroppings on the project site?  Yes  No  
 If Yes, what proportion of the site is comprised of bedrock outcroppings? \_\_\_\_\_ %

c. Predominant soil type(s) present on project site: Ug (Urban Land) \_\_\_\_\_ 100 %  
 \_\_\_\_\_ %  
 \_\_\_\_\_ %

Only includes Proposed Substation parcel - all other work is linear

d. What is the average depth to the water table on the project site? Average: 10-12 feet

e. Drainage status of project site soils:  Well Drained: \_\_\_\_\_ % of site  
 Moderately Well Drained: 100 % of site  
 Poorly Drained \_\_\_\_\_ % of site

f. Approximate proportion of proposed action site with slopes:  0-10%: 100 % of site  
 10-15%: \_\_\_\_\_ % of site  
 15% or greater: \_\_\_\_\_ % of site

g. Are there any unique geologic features on the project site?  Yes  No  
 If Yes, describe: \_\_\_\_\_  
 \_\_\_\_\_

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h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)?  Yes  No

ii. Do any wetlands or other waterbodies adjoin the project site?  Yes  No  
 If Yes to either *i* or *ii*, 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?  Yes  No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Lakes or Ponds: Name \_\_\_\_\_ Classification \_\_\_\_\_
- Wetlands: Name Seamans Creek, Seaford Creek and Massapequa Lake Approximate Size 2.3, 64.7 and 284.8 acres
- Wetland No. (if regulated by DEC) NYSDEC Wetland Nos. A-1 and A-2 (Seaford Creek and Massapequa Lake)

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies?  Yes  No  
 If yes, name of impaired water body/bodies and basis for listing as impaired: \_\_\_\_\_  
Seaford and Seamans Creeks, and tidal tributaries (1701-0389); Massapequa Lake/Creek and tributaries (1701-0156)

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i. Is the project site in a designated Floodway?  Yes  No

j. Is the project site in the 100-year Floodplain?  Yes  No

k. Is the project site in the 500-year Floodplain?  Yes  No

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l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer?  Yes  No  
 If Yes:

i. Name of aquifer: Nassau-Suffolk Sole Source Aquifer

<p>m. Identify the predominant wildlife species that occupy or use the project site:</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border-bottom: 1px solid black;">raccoon (<i>Procyon lotor</i>)</td> <td style="width: 50%; border-bottom: 1px solid black;">gray squirrel (<i>Sciurus carolinensis</i>)</td> </tr> <tr> <td style="border-bottom: 1px solid black;">house mouse (<i>Mus musculus</i>)</td> <td style="border-bottom: 1px solid black;">eastern cottontail (<i>Sylvilagus floridanus</i>)</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Norway rat (<i>Rattus norvegicus</i>)</td> <td style="border-bottom: 1px solid black;">domestic cat (<i>Felis catus</i>)</td> </tr> </table>	raccoon ( <i>Procyon lotor</i> )	gray squirrel ( <i>Sciurus carolinensis</i> )	house mouse ( <i>Mus musculus</i> )	eastern cottontail ( <i>Sylvilagus floridanus</i> )	Norway rat ( <i>Rattus norvegicus</i> )	domestic cat ( <i>Felis catus</i> )	
raccoon ( <i>Procyon lotor</i> )	gray squirrel ( <i>Sciurus carolinensis</i> )						
house mouse ( <i>Mus musculus</i> )	eastern cottontail ( <i>Sylvilagus floridanus</i> )						
Norway rat ( <i>Rattus norvegicus</i> )	domestic cat ( <i>Felis catus</i> )						
<p>n. Does the project site contain a designated significant natural community? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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"> <li>• Currently: _____ acres</li> <li>• Following completion of project as proposed: _____ acres</li> <li>• Gain or loss (indicate + or -): _____ acres</li> </ul>							
<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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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? <span style="float: right;"><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</span></p> <p>If yes, give a brief description of how the proposed action may affect that use:</p> <p>Portions of the C&amp;R work are located adjacent to Seaford Creek, Seamans Creek, and Massapequa Lake, which are used for recreational fishing. However, the work will not encroach into these water bodies and therefore will not impact their use for that purpose.</p>							
<b>E.3. Designated Public Resources On or Near Project Site</b>							
<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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></p> <p>If Yes, provide county plus district name/number: _____</p>							
<p>b. Are agricultural lands consisting of highly productive soils present? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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? <span style="float: right;"><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</span></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? If Yes: <i>i.</i> Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input checked="" type="checkbox"/> Historic Building or District <i>ii.</i> Name: <u>390 Ocean Avenue; Grace Complex Church</u> <i>iii.</i> Brief description of attributes on which listing is based: See Attachment D - Visual Resources	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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 resources been identified on the project site? If Yes: <i>i.</i> Describe possible resource(s): _____ <i>ii.</i> Basis for identification: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? If Yes: <i>i.</i> Identify resource: <small>Tackapausha Museum and Preserve; Bethpage Bikeway/Massapequa Preserve; Fairfield Elementary School; Washington Avenue Park Manor Elementary School/Seaford Middle School and High School; Raymond J. Lockhard School/Massapequa High School;</small> <u>Massapequa Police Athletic League; Brady Park</u> <i>ii.</i> Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>Local parks and recreation sites, etc.</u> <i>iii.</i> Distance between project and resource: _____ See Attachment D miles.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? If Yes: <i>i.</i> Identify the name of the river and its designation: _____ <i>ii.</i> Is the activity consistent with development restrictions contained in 6NYCRR Part 666?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No  <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 Christopher Kiernan Date \_\_\_\_\_

Signature \_\_\_\_\_ Title Lead Environmental Science & Planning Analyst