A. INTRODUCTION

PSEG Long Island, as Agent for the Long Island Lighting Company d/b/a LIPA, a wholly owned subsidiary of the Long Island Power Authority ("LIPA"), is proposing to construct the Round Swamp Road Substation (the "Proposed Substation") and install two underground ("UG") 69kV transmission circuits and two UG 13kV distribution exit feeders, collectively referred to as the "Proposed Action".

The Proposed Substation will be constructed within an existing Nassau County owned stormwater recharge basin located at the northwest corner of the intersection of Old Country Road and Round Swamp Road in Plainview, Town of Oyster Bay, New York (the "Proposed Substation parcel"). The Proposed Action will also include the installation of two new UG 69kV transmission circuits. One transmission circuit will be installed between the existing LIPA Plainview Substation located at 599 Plainview Road in Plainview, New York and the Proposed Substation. A second transmission circuit will be installed between the Proposed Substation and the existing LIPA Ruland Road Substation located at 49 Ruland Road in Melville, New York. In addition, two new UG 13kV distribution exit feeders will be installed and will exit the Proposed Substation to the south and east, respectively. The collective locations of the Proposed Action are referred to as the "Project Site" (see Figure 1 and Figure 2).

The Proposed Action is subject to review under the State Environmental Quality Review Act ("SEQRA"), as it is an "action" being undertaken by LIPA. The Proposed Action is a "Type 1" Action as it involves the physical alternation of more than 10 acres, as defined in SEQRA (617.4(b)(6)(i)). SEQRA is codified at Article 8 of the New York Environmental Conservation Law, as well as the implementing regulations, promulgated at Part 10052 of Title 21 and Part 617 Title 6 of the New York Codes, Rules and Regulations, which set forth the requirements for the State Environmental Quality Review process for the Proposed Action. This Environmental Assessment therefore follows SEQRA. Nassau County has been identified as a potentially involved agency as their review/approval is required for the plans and specifications developed for the Proposed Action, specifically the Nassau County parcel and easement areas.

B. PROPOSED ACTION NEED AND DESCRIPTION

The project area is currently served by the existing Plainview and Ruland Road Substations. Recent engineering studies and analysis conducted by PSEG Long Island have concluded that the Proposed Action is needed as a result of growing energy demands exceeding the capacity of the existing substations and circuits in the area. The Proposed Action will provide an adequate and more reliable electric supply and will fulfill future projected loads. The Proposed Substation will also address load growth from new developments in the area, specifically the Country Pointe Development, a mixed commercial and residential development.

The Proposed Action's major scope of work elements include the following:

- The Proposed Substation will encompass approximately 0.76 acres and will be constructed within an approximate 11.46 acre parcel of land that is currently owned by Nassau County and used as an existing stormwater recharge basin (identified as Section 13, Block 89, Lot 32 on Nassau County Department of Assessment Land and Tax Maps). One paved access road (approximately 0.30 acres) will be constructed along the northern boundary of the parcel and a grass right-of-way (approximately 0.69 acres) will be established along the western boundary of the parcel for future transmission circuit/distribution feeder maintenance/repair activities. The transmission circuits and distribution exit feeder interconnections will generally follow the path of the access road and right-

of-way to connect into the Proposed Substation. Nassau County issued easements to LIPA to construct and operate the Proposed Substation, access road and right-of-way. The Nassau County Planning Commission issued a Negative Declaration for the easements on December 5, 2018.

- Construction activities will involve approximately 9.34 acres of soil disturbance on land within the Proposed Substation parcel, which is predominantly comprised of natural vegetation (i.e., trees, shrubs, and grasses). The parcel is currently undeveloped with the exception of three existing stormwater intakes, including one culverted intake, and one overflow discharge pipe. Construction will require clearing of a portion of the existing vegetation at the site, regrading portions of the site, and stormwater improvements, as needed, in order to support substation equipment installations and to provide for adequate stormwater storage capacity. Existing vegetation will remain on the southern and eastern portions of the parcel. With the exception of the Proposed Substation and access road, areas of disturbance will be restored with seed and/or plantings, in accordance with the proposed draft Landscape Plan, provided in **Appendix A**. This plan is subject to change based on final Nassau County review and acceptance.
- The Proposed Substation will consist of the installation of two 69/13kV 33MVA transformer banks, two 13kV switchgears, and associated equipment (i.e., breakers, switches, bus supports, cable terminations, etc.). Five 60-foot lightning masts will also be installed within the equipment area. An equipment enclosure structure and a battery enclosure structure will also be constructed.
- Installation of two new 69kV UG transmission circuits. One circuit will be installed between the existing LIPA Plainview Substation and the Proposed Substation (approximately 1.66 miles). A second circuit (approximately 3.40 miles) will be installed between the Proposed Substation and will connect to the Ruland Road Substation via three new 70-foot wood transmission riser poles that will be installed just outside the Ruland Road substation fence. Splice vaults will be installed along the transmission route. The transmission circuits will primarily be installed via open trench, with exception of a portion extending from Spagnoli Road under Route 110 to be completed by horizontal directional drilling (HDD). The transmission circuits will primarily be installed within public roadway right-of-way or LIPA-owned property, with the exception of connections into Proposed Substation (easement has been issued) and a small portion traversing below a privately-owned commercial property east of Route 110 (easement will be obtained).
- Limited equipment installations in the northeastern portion of the existing Plainview Substation, including switches, breakers and bus supports. This equipment will be consistent in height with existing substation equipment, at approximately 24 feet above grade.
- Two easements will be acquired from private parties prior to the commencement of construction to support the transmission circuit installation activities. One easement (temporary easement for staging equipment near HDD entry/exit pit) will encompass approximately 15,975 square feet within the mowed lawn of a private property located along the south side of Spagnoli Road, near its intersection with Carlin Court. The second easement (permanent underground cable easement for UG traversing of HDD) will encompass approximately 837 square feet and is located immediately east of Route 110 near its intersection with Spagnoli Road, below a commercial parking lot entranceway.
- Installation of two UG 13kV distribution exit feeders exiting the Proposed Substation. One feeder will extend south of the Proposed Substation and west onto Old Country Road (approximately 0.50 mile). The second feeder will extend east of the Proposed Substation and south onto Round Swamp Road (approximately 0.40 mile). The distribution exit feeders will be installed via open trench.

Manholes will be installed along the feeder route. Two existing wood distribution poles will be replaced along the feeder route on Round Swamp Road. These poles will be replaced with new poles that will be no more than 10 feet taller, in the same general locations. One of these poles will be converted to a riser pole.

C. SITE SETTING

The Proposed Substation will be constructed in the northern portion of the Nassau County owned stormwater recharge basin parcel, which is situated on the northwest corner of the intersection of Old Country Road and Round Swamp Road, south of the Long Island Expressway and northwest of the Pine Ridge Conservation Area. This parcel is located within an area primarily characterized by institutional, commercial and light industrial land uses.

The proposed UG 69kV transmission circuits will primarily be constructed within public roadway right-of-way along Plainview Road, Old Country Road, Round Swamp Road and Bethpage Sweet Hollow Road/Spagnoli Road. Portions of the UG 69kV transmission circuits will also be installed within the LIPA-owned Plainview and Ruland Road Substation, and through the Nassau County parcel into the Proposed Substation property to make necessary substation connection. A small portion of one transmission circuit will traverse below a privately-owned commercial property east of Route 110 (easement will be obtained). Land uses adjacent to the transmission circuits consist of residential, commercial, institutional and industrial uses.

The proposed UG 13kV distribution exit feeders will extend from the Proposed Substation located within the Nassau County owned parcel, and will continue beyond the parcel within public roadway right-of-way along Old Country Road and Round Swamp Road. Land uses adjacent to the distribution feeders consist primarily of commercial and residential uses.

Notable land uses in the immediate vicinity of the Project Site include the Bethpage Bikeway and Nassau-Suffolk Trail LIGTC (Long Island Greenbelt Trail Conference) (at the intersection of Old Country Road and Nassau County Complex Road), the Pine Ridge Conservation Area (Paumonauk Hills Court, Melville, NY 11747), the Museum of American Armor (1303 Round Swamp Road), the Old Bethpage Village Restoration (1303 Round Swamp Road), and the Battle Row County Park (1 Claremont Road).