# Project Description

1. INTRODUCTIOn

PSEG Long Island (“PSEG-LI”), as Service Provider to Long Island Lighting Company dba LIPA (“LIPA”), is proposing to relocate overhead (“OH”) and underground (“UG”) electric utilities along New York State Route 112/Medford Avenue (“NYS-112”) and limited lengths of Horseblock Road/CR-16 (“Horseblock Road”), Interstate-495/Long Island Expressway (“I-495”) North Service Road, Middle Island Road and Commercial Boulevard (the “Proposed Action”) to accommodate the New York State Department of Transportation (NYSDOT) road widening and reconstruction project in the Hamlet of Medford, Town of Brookhaven, Suffolk County, New York (“NYSDOT Road Widening project”). The Proposed Action includes OH: (i) relocation, replacement and reconductoring of ten existing transmission/distribution poles along NYS-112 between Granny Road and Old Port Jefferson Road; (ii) relocation and replacement of 83 existing distribution poles and installation of four new distribution poles along NYS-112, Horseblock Road, I-495 North Service Road, Middle Island Road, and Commercial Boulevard; and (iii) associated OH distribution line work along NYS-112, Horseblock Road, I-495 North Service Road, Middle Island Road and Commercial Boulevard. The UG utility work includes the following: (i) relocation and installation of UG cables and conduit along NYS-112, the I-495 North Service Road and Horseblock Road and (ii) connection of the newly installed cables to six distribution poles at various locations via pole risers along NYS-112, Horseblock Road and I-495 North Service Road. Refer to the following maps and figures: USGS Site Location Map – **Figure 1**; andAerial Site Location Map **– Figure 2.**

1. Action NEED and Description

The Proposed Action is being undertaken to accommodate the NYSDOT Road Widening project in the Hamlet of Medford, Town of Brookhaven, New York. The NYS-112 corridor is undergoing reconstruction by the NYSDOT to widen the roadway in order to improve safety and capacity along the active north-south corridor. Construction of the NYSDOT Road Widening project will require the relocation of LIPA-owned electric facilities which are located adjacent to an approximately 1.9-mile section of the roadway.

The overhead (“OH”) facilities to be relocated and installed include primary and secondary distribution lines and a limited section of an existing OH 69 kV transmission line. An approximately 0.12-mile section of an existing OH 69 kV transmission line that currently runs along the east side of NYS-112 north of Granny Road will be relocated to the west side. The relocated transmission line will be placed over the existing distribution lines on new poles that will be approximately 10 to 30 feet taller than the poles they will be replacing, but only approximately 10 to 15feet taller than the poles from which the line is removed. The wood transmission poles on the east side of NYS-112 which will no longer be needed will be removed. In addition to the transmission relocations, the Proposed Action includes the following OH work: (i) relocation and replacement of 83 primary and secondary wood distribution poles with wood poles that are the same height or poles that are no greater than 10 feet taller and (ii) installation of four new distribution poles in the same alignment with existing distribution poles. All poles will be placed in a strip between the curb and sidewalk in the newly NYSDOT-constructed roadway. As compared to the existing pole locations, the newly installed poles will be placed approximately the same distances from the pavement ledges on the west and east sides of the reconstructed roadway.

Underground (“UG”) facilities to be relocated and installed in the Proposed Action include 13kV primary and secondary service lines. The UG utility work includes the following: (i) abandonment of 815 feet of cable along NYS-112 where it crosses NYS-112; (ii) installation of approximately 2,130 feet of cable and conduit along the west side of NYS-112 where it will cross I-495; (iii) installation of approximately 660 feet of cable and 220 feet of cable to run parallel in proposed conduit along Horseblock Road; (iv) installation of approximately 95 feet of cable and conduit to run across Horseblock Road to connect to an existing customer; (v) installation of approximately 325 feet of cable to run along NYS-112 and then cross the road to run along I-495 North Service Road; (vi) installation of two cables (140 feet and 505 feet in length, respectively) along the west side of NYS-112 to connect to existing customers; and (vii) installation of three manholes, one below grade transformer and one switchgear along the west side of NYS-112. A list of the proposed OH pole and UG cable components for the work to be completed along each roadway is included as **Table 1**.

**Table 1: Proposed Action Components**

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| **Roadway** | **Relocated and New Poles** |
| NYS-112 | 10 – OH Transmission/ Distribution Poles, between Granny Road and Old Port Jefferson Road |
| 76 – OH Distribution Poles, between Waverly Avenue & Granny Road & 1 pole just north of Granny Road (east side of NYS-112) |
| UG Distribution Cable & Conduit |
| Horseblock Road | 6 – OH Distribution poles |
| UG Distribution Cable & Conduit |
| I-495 North Service Road | 1 – OH Distribution Poles |
| UG Distribution Cable & Conduit |
| Middle Island Road | 2 – OH Distribution Poles |
| Commercial Boulevard | 2 – OH Distribution Poles |

It is anticipated that construction of the Proposed Action will commence in April 2019 and will take approximately 24 months to complete, ultimately depending on the schedule of the NYSDOT Road Widening project.

1. Site Setting

The Proposed Action will be located adjacent to primarily residential, commercial and light industrial land use areas with limited institutional uses present on adjacent parcels. All work will be within franchise areas, public roadways or rights of way.

The Proposed Action will occur within NYSDOT and LIPA rights of way. The majority of the work will occur along NYS-112, oriented in a generally north/south direction between Waverly Avenue/I-495 North Service Road and Old Port Jefferson Road. A relatively small portion will be located along the following roads:

* Horseblock Road from approximately 270 feet west of the centerline of NYS-112 to approximately 400 feet east of the centerline of NYS-112,
* I-495 North Service Road from NYS-112 to approximately 275 feet east of NYS-112;
* Middle Road which is located 150 feet east of NYS-112;
* Commercial Boulevard from NYS-112 to approximately 180 feet east of NYS-112, and;
* the east side of NYS-112 approximately 650 feet north of Wincoram Way/Skips Road.

Uses along the Proposed Action route include the Holy Sepulchre Cemetery (3442 NYS-112), the County Fair Entertainment Park (3351 NYS-112), the Blue Ridge Golf Club (899 Golf Lane), and the Hunter Business School Medford Campus (3247 NYS-112). A New York State Department of Motor Vehicles facility is located immediately east of NYS-112 and north of I-495 within a large shopping center.

All work will be entirely within the construction limits of the NYSDOT Road Widening project, in which a vast majority of the work will be within previously disturbed areas and the rest of the work will be within grassy areas. For the Proposed Action, minor tree trimming will be required for utility pole clearances. The Proposed Action will not result in a change in the vertical profile of the corridor apart from the relocation and change in use of existing transmission poles with new taller poles between Granny Road and Old Port Jefferson Road along NYS-112 (refer to Visual Resources – **Attachment B**).

The existing rights of way are developed with paved roadways and mowed utility corridors. The OH poles and lines will be placed within the relocated rights of way alongside the widened NYS-112 roadway that will result from the NYSDOT Road Widening Project. The proposed UG cables, conduit and proposed manholes and below grade transformer will be located behind the curbing (under the paved sidewalks or developed landscaped areas) with the exception of the UG cable that crosses the roadways of NYS-112 and Horseblock Road. Representative photographs of existing site conditions are included in the Visual Resources Assessment in **Appendix A**.