

**ENVIRONMENTAL MANAGEMENT AND
CONSTRUCTION PLAN**

**STATE OF NEW YORK PUBLIC SERVICE COMMISSION
CASE NO. 08-T-1388**

**Long Island Power Authority – Certificate of Environmental
Compatibility and Public Need to Install a Second 138kV Cable in
the Certified Underground Conduit from the Riverhead Substation
to the Canal Substation**

ATTACHMENT 9 – EM&CP Filing Notice

*Prepared by PSEG Long Island LLC on behalf of and as agent for the Long Island
Lighting Company d/b/a LIPA*

December 2019

PUBLIC NOTICE

STATE OF NEW YORK PUBLIC SERVICE COMMISSION

Case 08-T-1388 – Application of Long Island Power Authority for a Certificate of Environmental Compatibility and Public Need Pursuant to Article VII of the Public Service Law to Install a Second 138 kV Cable in the Certified Underground Conduit from the Riverhead Substation to the Canal Substation

NOTICE OF FILING OF AN ENVIRONMENTAL MANAGEMENT AND CONSTRUCTION PLAN FOR THE RIVERHEAD TO CANAL SECOND 138 kV UNDERGROUND CABLE PROJECT

On or about December 13, 2019, PSEG Long Island LLC on behalf of and as agent for the Long Island Lighting Company d/b/a LIPA, a wholly-owned subsidiary of the Long Island Power Authority (“PSEG Long Island” or the “Company”) filed a revised proposed Environmental Management and Construction Plan with the New York Public Service Commission (“Commission”).

BACKGROUND

On November 24, 2008, the Long Island Power Authority (“LIPA”) filed an Article VII Application (the “Application”) with the Commission for a Certificate of Environmental Compatibility and Public Need (the “Certificate”) pursuant to Article VII of the Public Service Law seeking authorization for the installation of a new underground 138 kilovolt (“kV”) alternating current transmission facility (the “Second Cable”), in an existing second conduit, between LIPA’s existing Riverhead Substation (located south of the Peconic River in the Hamlet of Riverside) and Canal Substation (located east of the Shinnecock Canal) all within the Town of Southampton, Suffolk County, New York (the “Project” or “Riverhead to Canal Project”). The Second Cable will be installed within an existing underground conduit for an approximate distance of 16 miles. The existing underground conduit was constructed in 2000 as part of the installation of the first 138 kV cable (the “Original Facility”) between LIPA’s Riverhead and Southampton Substations.

On October 1, 2009, LIPA submitted a Joint Proposal (“Joint Proposal”) reflecting the terms of settlement of outstanding issues in this proceeding by LIPA and other settling parties. On December 21, 2009, the Commission issued the Certificate in an *Order Adopting the Terms of a Joint Proposal and Granting a Certificate of Environmental Compatibility and Public Need* (“Order”) in this proceeding.

On February 25, 2011, LIPA submitted its proposed Environmental Management and Construction Plan (“EM&CP”) for the Project. However, the EM&CP was never approved and the Project was delayed to explore non-wires alternatives. LIPA explored non-transmission wires alternatives (including distributed generation and demand-side energy efficiency measures) to the installation of the Second Cable, but those efforts have been exhausted. While the EM&CP

was never approved, the Project is still necessary to enable LIPA to meet its customers' current and future electrical requirements, and is vital to maintaining the integrity of the electric transmission system within the East End of Long Island. The need for the Project is specific to the East End of Long Island because the South Fork and the North Fork are served by radial lines and load growth rate annually is at an approximate rate of 2.5%. Supply or transmission reinforcements and demand side management programs implemented will not solve the East End's capacity problems. Furthermore, as the Project is part of the first link in the South Fork chain of supply, it is critical to meeting the entire electric system requirements of the South Fork.

Therefore, PSEG Long Island submits this revised EM&CP for the construction, operation, and maintenance of the Project. In recognition that a lot of time has passed since the proposed EM&CP was filed, PSEG Long Island has filed a revised EM&CP that will completely replace and supersede the version submitted in 2011. As described below, installation of the Second Cable will require placement of 39 new splice manholes adjacent to the existing splice manholes to meet industry requirements.

REVISED EM&CP

The revised EM&CP describes the environmental protection measures to be implemented during construction of this Project. PSEG Long Island coordinated the EM&CP's protection measures related to right-of-way restoration, canal crossings, and water quality certification with the New York State Department of Environmental Conservation, the Department of Public Service Staff, and the New York State Office of Parks, Recreation & Historic Preservation.

Included in the EM&CP is information relating to the specific location of the proposed construction procedures and environmental protection measures to be implemented for the Project.

The EM&CP also provides the scope of work proposed for the Project. From the Riverhead Substation, the Project route travels south through an existing LIPA corridor to Suffolk County 51, Moriches-Riverhead Road, then travels southwest to Suffolk County 88, Speonk-Riverhead Road, then travels south to NY 27, Sunrise Highway, then travels east to the Shinnecock Canal Bridge, and then joins Canal Road in the Hampton Bays to the Canal Substation. The route is described in Section 1.1 of the EM&CP.

The EM&CP will be available for public inspection during normal business hours at the following locations: Westhampton Public Library, 7 Library Avenue, Westhampton Beach, New York 11978; Riverhead Public Library, 330 Court Street, Riverhead, NY 11901; Quogue Library, 90 Quogue Street, Quogue, NY 11959; Rogers Memorial Library, 91 Coopers Farm Road, Southampton, NY 11968; and Hampton Bays Public Library, 52 Ponquogue Avenue, Hampton Bays, NY 11946. PSEG Long Island has established a website to provide additional information to the public about the Project: www.riverhead2canal.com. The EM&CP will be available for public inspection on this website. The EM&CP may also be viewed online at the website maintained by the New York State Department of Public Service at www.dps.ny.gov. From the homepage, click on "Search," and enter the case number, 08-T-1388, in the "Search by Case Number" field.

TRANSMISSION FACILITY

The Project, which consists of an underground electric transmission line of approximately 16 miles in length, will be installed from LIPA's Riverhead Substation located south of the Peconic River to LIPA's Canal Substation located on NYS Route 27, which is approximately 0.4 miles east of Canal Road. Both substations are located in the Town of Southampton. The Second Cable will be an underground AC three-phase transmission line consisting of three cables, each constructed of a copper conductor. A corrugated metallic sheath will surround the insulation to provide mechanical protection and prevent water migration into the cable. The overall diameter of each cable is approximately five inches. The Second Cable will be operated nominally at 138kV voltage and 60 Hertz frequency.

As part of this Project, two additional cable transition structures and cable trays, identical to the ones installed in 2000, will be installed on either side of the Shinnecock Canal Route 27 bridge for the Second Cable.

An underground transition terminal will be built for the Project at LIPA's Riverhead Substation and at the Canal Substation. The Second Cable will tie into the circuit breaker, power and grounding transformer and bus work near the western fence line of the substation.

The Project will include modifications at both the Riverhead and Canal substations. The modifications at the Riverhead Substation include the construction of a new terminal to connect the Second Cable to the spare terminal location. This will require the installation of three (3) – 138kV Gas Circuit Breaker (GCB) and a 27MVAR Shunt Reactor to compensate for the reactive power of the long underground cable run. A new control enclosure will also be required to house the additional system protection equipment associated with the Project. Modifications at the Canal Substation include the construction of a new terminal to connect the Second Cable to the expansion of the 138kV Canal bus design. The Project will require the installation of a 2nd 138/69kV – 224MVA Transformer (Bank #5). The Second Cable will be connected to the new transformer through the installation of a new 138kV Gas Circuit Breaker (GCB) and the new transformer will be connected to the Canal bus through a new 69kV Gas Circuit Breaker (GCB).

New manholes will be installed adjacent to or in close proximity to existing manholes to contain the cable splices and bonding cable accessories. Each manhole's outside dimension is 18 ft. long by 10 ft. wide by 10 ft. deep. Each manhole will be fabricated from precast concrete and will be transported in sections as determined by the manufacturer for appropriate lifting and transportation constraints. Each manhole will have two sets of lids and frames for personnel access. Cable racking will be installed in each manhole to support the cable and splices. Additionally, link boxes will be installed for bonding purposes.

The three existing 8-inch HDPE conduits designated from the original project will be cut, rerouted, and fused into the new manholes creating a continuous pathway for the Second Cable.

COMMENTS, COMPLAINTS AND FURTHER INFORMATION

Any person may be heard by the Commission on any matter or objection regarding the EM&CP by filing written comments with the Commission Secretary and PSEG Long Island (at the addresses immediately below) within 30 days of the date the EM&CP was filed with the Commission or the date of newspaper publication of this notice, whichever is later. Please reference Case 08-T-1388 – Riverhead to Canal Project.

Hon. Michelle L. Phillips

Acting Secretary to the Commission
New York State Public Service Commission
Empire State Plaza
Agency Building 3
Albany, NY 12223-1350
Phone: (518) 474-6530
Fax: (518) 474-9842
Email: secretary@dps.ny.gov

Craig Watkins

Project Manager
PSEG Long Island
999 Stewart Ave
Bethpage, New York 11714
Phone: (516) 349-5477
Email: craig.watkins@pseg.com

The PSEG Long Island agent or employee who will receive complaints, if any, during the construction of the Project is Craig Watkins, whose contact information is immediately above. Any person desiring additional information about a specific geographical location or specific subject may request it from PSEG Long Island by contacting Mr. Watkins. Any request for additional information should be specific as to the subject of the information desired.

The Commission's Environmental Compliance Section can be reached at (518) 474-5541.

For additional information on the Riverhead to Canal Project, contact PSEG Long Island directly by calling (631)-315-3132 or by visiting www.riverhead2canal.com.