

Project Overview

PSEG Long Island, as the agent of LIPA, is constructing a new underground electric transmission project to increase the load capacity and reliability of the electric transmission system on Long Island's South Fork. Called the Southampton to Deerfield Transmission Project ("SHDF Project" or "Project"), its principal component is the installation of a new underground 138 kilovolt (kV) transmission line between the existing Southampton Substation (located in the Village of Southampton at the intersection of North Sea Road and West Prospect Street) and the existing Deerfield Substation (located in the Hamlet of Watermill, on Water Mill Towd Road) primarily along roadways and existing municipal rights-of-way. The project route is primarily along North Sea Road, Willow Street, North Main Street, North Sea Mecox Road, David Whites Lane, Edge of Woods Road, and Water Mill Towd Road in the Town of Southampton.

Underground Construction Involves Five Key Phases

- **Splice Vaults Installation:**

Underground vaults will be installed at intervals along the route to splice together underground cable.

- **Conduit Installation:**

During the installation process, crews will route the new conduits to the new splice vaults.

- **Cable Installation:**

Underground cable arrives on trucks specifically designed for their installation. Crews will pull cable from one vault to another along the project route.

- **Cable Splicing:**

Crews will set up a climate-controlled environment at each vault location to splice the underground cables together. This activity is continuous for approximately one week for each vault.

- **Restoration:**

After completing the installation of the vaults, any excavated and disturbed areas will be restored.



Vault Installation



Cable Installation



Restoration



Conduit Installation



Cable Splicing

For questions about the SHDF Project, call or text 631-237-7196

Visit www.SH2DF.com

Email: info@southampton2deerfield.com

Southampton to Deerfield Transmission Project

PSEG Long Island is committed to delivering best-in-class system reliability by expanding electrical capacity to meet the energy needs of the communities it serves, today and in the future. This is especially true on the East End of Long Island, where demand continues to grow, and additional transmission infrastructure is needed.

Project Benefits

The SHDF Project is the most cost-effective solution to meet the South Fork's increasing electrical demand and need for reliable electrical service while minimizing disruptions to the community. The Project also is consistent with and furthers the goals of New York's Climate Leadership and Community Protection Act by supporting the transmission of wind energy on Long Island.

- The new 138 kV electric transmission cable will help ensure the continued reliable service to the East End of Long Island. With the South Fork load continually growing the proposed 138 kV supply circuit from the Southampton Substation to the Deerfield Substation will enhance reliability to the existing transmission system.
- The new 138 kV cable will be located entirely underground except for certain above-ground electrical equipment within the existing substations.
- The Project will be located primarily under roads and other public rights-of-way.
- Construction of the project will occur with the least amount of impact to residents and travelers in the area. Throughout construction, access to businesses and residences along the project route will be maintained.



For a turn by turn of the route please visit www.SH2DF.com

Permitting & Consultation Process

To construct the Project, PSEG Long Island will need, in addition to other necessary permits:

- The New York State Public Service Commission's issuance of an Article VII Certificate of Environmental Compatibility and Public Need and approval of an Environmental Management & Construction Plan (EM&CP).
- Approval from or consultation with the New York Department of Environmental Conservation, and New York State Office of Parks, Recreation & Historic Preservation.
- Consultation with Suffolk County, Town of Southampton, and Village of Southampton.

New York State Public Service Commission Article VII Information

The Project's Public Service Law Article VII application and related documents in this case (Case 24-T-0113) can be accessed from the PSC's website (www.dps.ny.gov). Click "Commission File" then "File Search", fill in the "Search by Case Number" box with the number for this case (24-T-0113). This will bring up the main Document and Matter Management ("DMM") page(s) for this case, where the materials are located.

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