

East Providence Waterfront Commission
Project Summary

Project Name: First Street Substation
Property Owner: The Narragansett Electric Company
Property Address: 51 First Street
Assessor's ID: Map 16 Block 21 Lot 6
Zone: Bald Point Harbor

The Project is the construction of a new 115 kV substation to reenforce the electric distribution system in the waterfront area. The substation will be supplied by the existing transmission lines on Veteran Memorial Drive. The Narragansett Electric Company (TNEC) has owned the property since the 1870s. The property is currently used as a regulator station for the natural gas distribution system with equipment installed below grade at the corner of First Street and Mauran Avenue. This regulator station was recently rebuilt in 2014 and it will remain in its present location.

The need for the Project is driven by anticipated load growth in the area. The Project will also allow for the future retirement of a few smaller substations in East Providence.

The proposed layout is as shown on the plans. The substation will feature one transformer and one control house. The control house was purposely located to best screen the view of the transformer from First Street. Attached are site plans showing the proposed layout of the facility as well as renderings. There is existing gas infrastructure which limits the Company's ability to install larger vegetation in the green space between the outer perimeter fence along the sidewalk and inner substation security fence ("Green Space"). The Green Space is also the proposed location for the underground electric feeders leaving the substation. The Company is unable to install trees in the Green Space due to the potential for root structures to interfere with the existing and proposed utility infrastructure in the Green Space. The proposal is to install wildflower plantings in this area.

The inner substation security fence will be 9 feet tall with 8' foot 1 inch mesh panels topped with 3 rows of barbed wire mounted horizontally.

The Company is continuing to work with the City to determine the appropriate sign for the Waterfront Area at or near the corner of First Street and Mauran Avenue. Permitting for the final design will follow by separate application.