

NextEra Energy Transmission New York, Inc.

(NEETNY)

Empire State Line

Case 18-T-0499

Appendix W

Facilities Protection Plan

June 2020



NextEra Energy Transmission New York, Inc. (NEETNY) will design, construct, operate, and maintain the Empire State Line Project (Project). The Project includes an approximately 20-mile 345 kilovolt (kV) transmission line and associated substations in the town of Royalton in Niagara County, New York, and the towns of Alden, Newstead, Lancaster, and Elma in Erie County, New York. Specifically, the Project consists of: (a) a new 345 kV substation (Dysinger Switchyard) in the town of Royalton in Niagara County, (b) a new substation (East Stolle Switchyard) to be connected to the existing New York State Electric & Gas Corporation (NYSEG) Stolle Road Substation in the town of Elma in Erie County, and (c) an approximately 20-mile-long 345 kV transmission line (Proposed Line) that will connect the Dysinger and East Stolle Substations. NEETNY is in the process of acquiring from NYSEG a 130-foot-wide right-of-way (Project ROW) within the NYSEG Utility Corridor to construct and operate the ESL.

NEETNY has considered all appropriate design measures to be fully compatible with the operation and maintenance and protection of: (i) traffic for any nearby state, county, local, public and privately owned highway; and, (ii) nearby electric, gas, telecommunication, water, storm and sanitary sewer, drainage, and related facilities, as well as applicable details of such other facilities and measures to protect the integrity, operation, and maintenance of those facilities. Moreover, the Project has been designed and will be constructed to avoid adverse effects on the cathodic protection systems and physical conditions of existing structures and any fuel gas pipelines within the Project ROW and up to 25 feet outside of the edge of the Project ROW.

NEETNY completed a cathodic protection study (Induction Study) to examine the effect of the Project on nearby pipeline facilities including NYSEG's existing cathodic protection system for the gas facilities and Metering and Regulation (M&R) station to ensure compatibility with the electric facility design and that alternating current (AC) interference imposed upon the existing gas facilities are mitigated to safe levels according to the National Association of Corrosion Engineers (NACE) guidelines. NEETNY is currently awaiting final confirmation of the Induction Study results.

The Dysinger and East Stolle Switchyards will be protected by a 7-foot-tall chain-link fence, camera system, physical lighting and key card access to the control buildings, as well as at the substation entrances to monitor and limit access to both substation facilities per the North American Reliability Corporation (NERC) cybersecurity infrastructure protection (CIP) requirements.

The Project underground cable design will be protected by a 20-foot shroud, around the associated above-ground facilities that will support the cable riser structure and transition structure. The underground cable manholes will be protected by lock and covers to prevent unauthorized entrances. The above ground transition and take off structure shall be protected from vehicular traffic by bollards, spaced evenly apart 6' on center and grounded for safe equipment operation.