Southern Tier Area Reliability (STAR) West Project – Line 962

Project Overview

New York State Electric & Gas Corporation (NYSEG) is in the planning stages of a significant, multi-year electric transmission line project consisting of the reconstruction of an approximately 35 mile long 115 kilovolt (kV) line in portions of Tioga and Chemung Counties. As part of our commitment to provide safe and reliable service to all our customers, NYSEG is updating the electric transmission system in its service areas to meet New York State's energy goals. While NYSEG is investing in upgrades to meet energy goals and the community's growing energy demands, we are working closely with our neighbors to ensure that all improvements are performed safely and with minimal disruption to the environment and the community.

Project Purpose and Need

The Southern Tier Area Reliability (STAR) West Project includes a number of components which will help New York State meet its energy goals. The STAR West Project includes a rebuild of Line 962 which is approximately 35 miles from Hillside substation to South Owego substation. The project work also requires minor upgrades of two existing substations (South Owego and Chemung) and two existing switching stations (Stagecoach and North Waverly).

Beyond aging infrastructure, resiliency considerations also influenced the design, which includes the complete rebuild of the existing Lounsberry 115/12.5 kV substation to a new location outside of established FEMA flood zones to mitigate future flood risk exposure.

Project Information Line: 1.888.341.0009
Refer to: STAR West Project
Email: info@southerntierreliabilitywest.com
Website: www.southerntierreliabilitywest.com

Project Purpose and Need (cont.)

NYSEG's project is a solution that addresses reliability and resiliency needs while also providing a means of integrating increased energy resources for delivery to New York customers. It would satisfy several previously identified Bulk Electric System (BES) reliability needs detailed in prior studies, including the 2018 North American Electric Reliability Corporation (NERC) BES Assessment and its subsequent updates. The Program's system reinforcements are designed to improve a wide area of regional reliability in line with NYSEG's mission to provide its customers with reliable energy and a commitment to the well-being of our communities.

Upgrade Project Scope Includes

- Currently Line 962 originates at the Hillside substation and terminates at the South Owego substation. The STAR West Project involves the reconstruction of 35 miles of 115kV single circuit overhead transmission line in existing corridor of Line 962, which will require limited power outages on the line. The 115kV lattice towers supporting the Existing Line 962 will be demolished. Most of the new Line 962 will be built parallel to the existing line; however, some segments will need to be built along the existing line's centerline due to ROW constraints and the proximity of adjacent circuits. The Project includes expanding NYSEG's existing Watercure substation in the Town of Elmira. The new Line 962 will originate at Watercure substation rather than Hillside substation.
- The new 115kV transmission line will use compact braced post steel monopole construction with 1192.5 kcmil Bunting ACSR conductor and a 72 fiber OPGW static wire. All tangent structures will be light duty steel poles. Guyed structures will be used for angle structures where possible. Heavy angle and dead-end structures will be engineered steel poles on concrete caisson foundations.

Regional Benefits

This project will remove bottlenecks on the local transmission system and allow large amounts of existing and projected future generation facilities to connect to the power grid, thus helping New York State meet its energy goals.

- The project will generate numerous ancillary economic benefits to our community partners during construction.
- The most direct infusion to the local economy would come from employment opportunities associated with Program construction and future generation. Worker income would be spent in local communities on consumer goods and services, such as housing, healthcare, and food, while property taxes would directly support the communities in which the Program and future generation facilities are located.

Permits

- NYS Public Service Commission – Article VII Certificate of Environmental Compatibility and Public Need and Approval of Environmental Management & Construction Plan
- U.S. Army Corps of Engineers – Federal approval
- Federal Aviation Administration – Notice of Proposed Construction or Alteration
- NYS Department of Environmental Conservation
  – SPDES General Permit for Discharge from Construction Activities
- NYS Department of Transportation – Utility Work Permit
- Other State and Local Permits as may be necessary

Project Facts

Municipalities: City of Elmira; Towns of Owego, Chemung, Barton, Tioga, Nichols, and Elmira

Counties Tioga, and Chemung

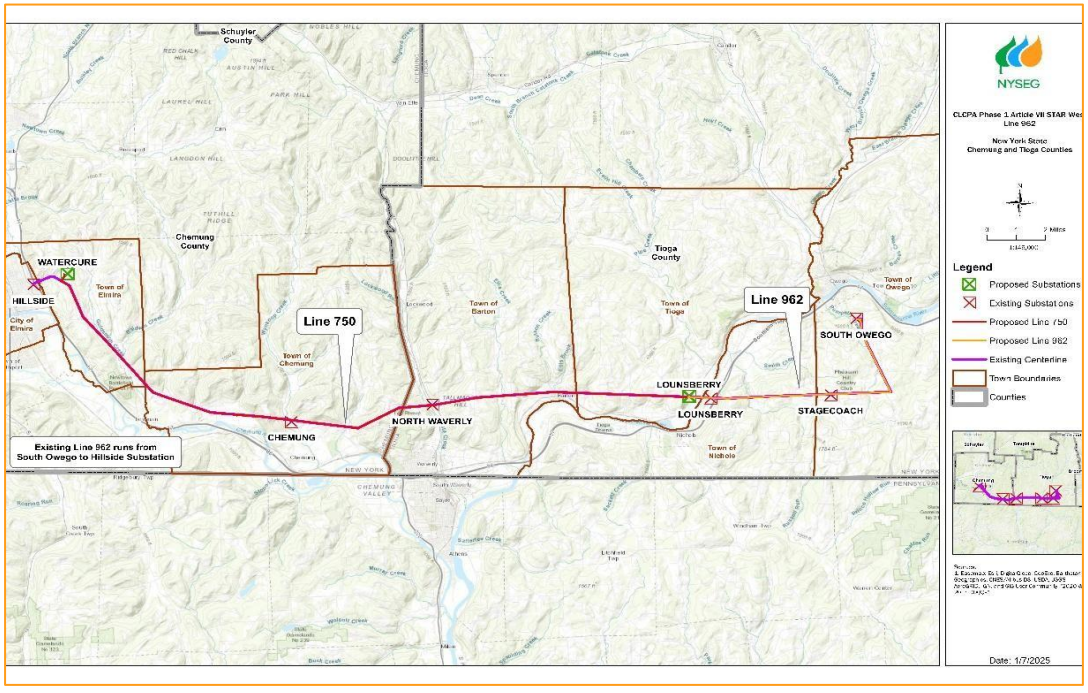
Project Origination and Termination

Origination:Hillside Substation: Elmira, NY (current)
Watercure Substation: Elmira, NY (proposed)

Termination: South Owego Substation: Owego, NY

Estimated Timetable *(subject to change)*

Initial Field Work	Q4 2022
Filing of Article VII Certificate and Other Initial Permit Apps:	Q1 2025
Expected Certificate Approval:	Q4 2026
All Permits Obtained:	Q1 2027
ConstructionStart:	Q1 2027
In Service Date:	Q3 2029



NYSEG Southern Tier Area Reliability West project location map. Please note that This is a general overview and designs are subject to change.