



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

Furthering the Climate Leadership and Community Protection Act (CLCPA)

### 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 the New York State, including the State of New York Public Service Commission, policy objectives of the Climate Leadership and Community Protection Act (CLCPA). While NYSEG is investing in upgrades to meet clean 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 the clean energy goals under the CLCPA. 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 Purpose and Need (cont.)

NYSEG's overall CLCPA Program is a solution that addresses reliability and resiliency needs while also providing a means of integrating increased renewable 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.

**Project Information Line:** 1.888.341.0009

**Refer to:** STAR West Project

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**Website:** [www.southerntierreliabilitywest.com](http://www.southerntierreliabilitywest.com)

## Regional Benefits

- The overall NYSEG CLCPA Program will remove bottlenecks on the local transmission system and allow large amounts of existing and projected future renewable generation facilities to connect to the power grid, thus helping New York State meet its greenhouse gas emission reduction goals.
- The Program, as well as the renewable generation developments that it would enable, 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 renewable 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 renewable generation facilities are located.

- The upgrades will improve the reliability and resiliency of the entire transmission system.

## 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

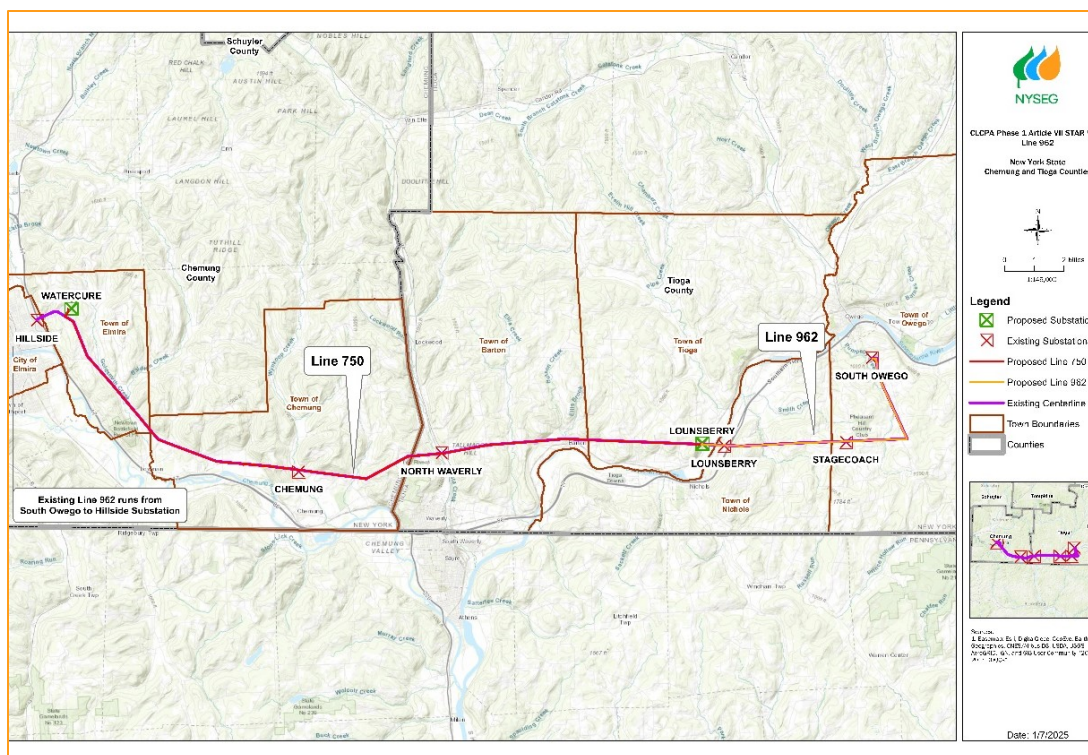
## Project Origination and Termination

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

**Termination:** South Owego Substation: Owego, NY

## Estimated Timetable *(subject to change)*

<u>Initial Field Work:</u>	<u>Q4 2022</u>
<u>Filing of Article VII Certificate and Other Initial Permit Apps:</u>	<u>Q1 2025</u>
<u>Expected Certificate Approval:</u>	<u>Q2 2026</u>
<u>All Permits Obtained:</u>	<u>Q3 2026</u>
<u>Construction Start:</u>	<u>Q2 2027</u>
<u>In Service Date:</u>	<u>2030</u>



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