



NYSEG

An AVANGRID Company

NEW YORK STATE ELECTRIC & GAS New Gardenville Rebuild Project

CONTACT

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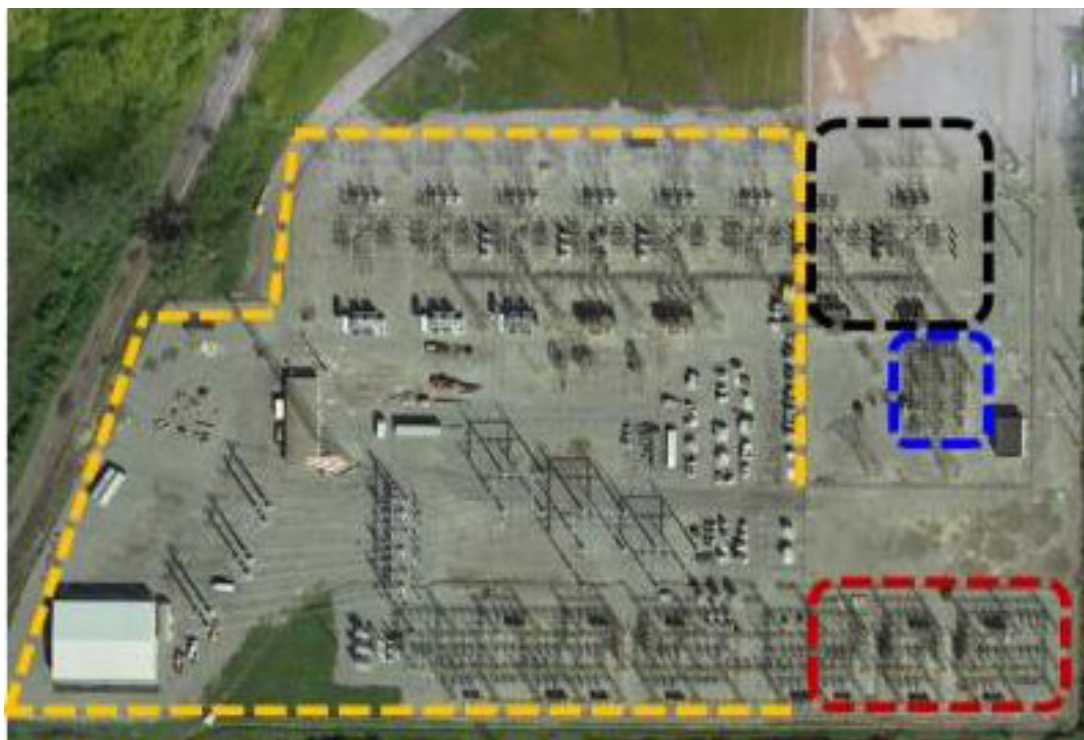
PROJECT OVERVIEW

As part of our commitment to provide safe, reliable service to all our customers, New York State Electric & Gas (NYSEG), in conjunction with our parent company – AVANGRID, is updating the delivery system in our service areas. These upgrades comply with new electric transmission reliability requirements. While making investments to meet the community's growing energy demands, we are working closely with our neighbors to ensure that all improvements are performed with minimal disruption to the environment and the communities we serve.

PROJECT PURPOSE AND NEED

To comply with more stringent reliability standards issued by the North American Electric Reliability Corporation (NERC), we are planning an upgrade of certain components of the electric delivery systems in the Town of West Seneca. Specifically, we will be rebuilding the New Gardenville substation to improve its reliability, upgrade its infrastructure, and enhance its capabilities on behalf of our valued NYSEG customers.

This upgrade project will improve the overall resiliency of the entire system while simultaneously modernizing the circuit's components.



230 kV Yard

115 kV Yard

34.5 kV Yard

National Grid Property

Located at 995 Indian Church Road in the Town of West Seneca, NY, this upgrade project is intended to address aging infrastructure that was built in the 1950s and has exceeded its peak capabilities. Involving both overhead and underground segments, the objective of the proposed modernization effort is to improve the reliability of the system (reduce outages), enhance the circuit's overall capacity, and reinforce the comprehensive network in the Buffalo/Lancaster region.



Surrounded on three sides by Federally-designated Wetlands, the substation has been consistently challenged by water drainage issues. Consequently, the rebuild project includes remedial site grading to mitigate that situation while aging infrastructure will be updated and replaced. All project work will be performed within NYSEG's current fence line with no increase to the substation's overall footprint.

NEW GARDENVILLE REBUILD PROJECT SCOPE INCLUDES:

- Replacement of transformers #6 & #7: Built in the 1950s, they are both outdated and overloaded.
- Installation of one new 230kV/115kV/34.5kV transformer and two new 115kV/34.5kV transformers to increase capabilities.
- Installation of a 230kV ring bus to improve system reliability.
- Installation of a new 115kV GIS breaker and a half system due to asset health and improve system reliability.
- Installation of a new 34.5kV GIS system to improve system reliability.
- Installation of an additional battery bank to enhance reliability and redundancy.
- Installation of a new Control House to remain compliant with safety codes.

BENEFITS TO THE REGION

- The upgrades will improve the reliability and resiliency of the entire transmission system, ensuring that the safe and reliable distribution of power is maintained.
- The upgraded transformer will enable the substation to meet the growing demand for additional power in the region.
- Modernization of the substation's technological capabilities will provide critical redundancy options.

PROJECT FACTS	
Municipalities:	West Seneca
County Impacted:	Lancaster
Permitting Required:	Local

ESTIMATED TIMETABLE <i>subject to change</i>	
Initial Field Work:	Q2 2022
Construction Start:	Q2 2024
In Service Date:	Q4 2026