RG&E
An AVANGRID Company

ROCHESTER GAS AND ELECTRIC

Station 208 Modernization

CONTACT

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PROJECT OVERVIEW

As part of our commitment to provide safe, reliable service to all our customers, Rochester Gas and Electric Corporation (RG&E), 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 Williamson. Specifically, we will be rebuilding Station 208 to increase its capacity, improve its asset conditions, and enhance the reliability requirements of the station for our valued RG&E customers.

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

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 transformers 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

Located at 6592 East Townline Road in the Town of Williamson, NY, the substation provides essential power to approximately 700 valued customers. The objective of the proposed modernization effort is to improve reliability (reduce outages), enhance the station's overall capacity, and reinforce the comprehensive network in the Lakeshore region.

The facilities upgrade to Substation 208 will include upgrading the existing transformer with a new, more efficient transformer to support the existing distribution circuit. Further upgrades also include the replacement of the entire existing outdoor substation with a new indoor substation. A new battery system and new communication system, among other equipment, will be housed inside pre-fabricated buildings (top right image) – a new innovative solution to rural substations constrained by space. These upgrades will establish optimal conditions for the future conversion of the distribution lines, while newly-installed contingency lighting will allow for any urgent afterhours work.

STATION 208 MODERNIZATION PROJECT SCOPE INCLUDES:

- Upgrading the existing transformer with a new, more efficient transformer to support the existing distribution circuit.
- Replacing the existing outdoor substation with a new indoor substation, with equipment housed inside pre-fabricated buildings.
- Rebuilding the existing substation to replace the existing air-insulated switchgear (AIS) with new 34.5 kV gas-insulated switchgear (GIS) technology and a new 15kV GIS class working at 12kV.
- Installing a new battery system and a new communication system.
- Utilizing the innovative solution of pre-fabricated buildings to house the upgraded equipment. Components are pre-tested, pre-assembled, and reduce installation time and cost.
- Creating a new redundant connection to increase the reliability of the station's service, since the new station will be providing a critical redundancy connection.
- Installing new perimeter contingency lighting for potential urgent or afterhours work.
- Installing a mobile substation unit to provide an alternate power source during construction to ensure uninterrupted service.

PROJECT LOCATION	
Municipalities:	Town of Williamson
County:	Wayne
Permitting:	Local

ESTIMATED TIMETABLE *subject to change*	
Initial Field Work:	Q2 2021
Construction Start:	Q2 2021
In Service Date:	Q4 2021