



An AVANGRID Company

## ROCHESTER GAS AND ELECTRIC Station 156 Transformer and Facilities Upgrade

### CONTACT

Project Information Line: **888.553.5411**

Refer to: **Station 156 Transformer and Facilities Upgrade**

Website: **RG&E > Reliable Service**

Email: **outreach@rge.com**

### 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 Village of Manchester. Specifically, we will be rebuilding Station 156 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.



Located at 70 South Avenue in the Village of Manchester, NY, the substation provides essential power to approximately 1000 valued customers. The objective of the facility's upgrades is to improve reliability (reduce outages), enhance the station's overall capacity, and reinforce the comprehensive Canandaigua network.



The facilities upgrade to Substation 156 will include an updated transformer, state-of-art gas insulated switchgear (GIS) technology, an On-Load Changer (OLTC) transformer bank, and the conversion of three existing distribution lines to more robust capabilities. Additionally, a new Control House and corresponding new perimeter fencing will be built at a different location within the property. Contingency lighting will also be installed to allow for any urgent afterhours work.

### STATION 156 TRANSFORMER AND FACILITIES UPGRADE

#### PROJECT SCOPE INCLUDES:

- Rebuilding the existing substation to convert three distribution lines from 4kV to 12kV
- Installing an On-Load Tap Changer (OLTC) transformer bank.
- Installing state of art Gas Insulated Switchgear/Breakers for both the 34.5kV feeders and 12kV distribution lines
- Replacing the two existing outdated transformers with a new single 34.5-12kV, 10/12/14MVA unit.
- Establishing redundancy back-up reinforcements via adjacent area substations.
- Replacing the existing Control House and corresponding perimeter fencing with new structures positioned at another location within property.
- Installing new perimeter lighting for potential contingency work.

#### 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 and switchgear will enable the substation to meet the growing demand for additional power in the region.
- Modernization of the substation's technological capabilities will allow the utility to remotely operate switches to manage the circuits between neighboring substations if necessary, thereby providing critical redundancy options.

#### PROJECT LOCATION

Municipalities:	Village of Manchester
County Impacted:	Ontario
Permitting Required:	State and Local

#### ESTIMATED TIMETABLE *subject to change*

Initial Field Work:	Q2 2021
Construction Start:	Q4 2021
In Service Date:	Q4 2025