



RG&E

An AVANGRID Company

RELIABILITY UPGRADES Station 46 Project

CONTACT

Project Information Line: **888.553.5411**

Refer to: **Station 46 Project**

Website: **rge.com > Reliable Service**

Email: **outreach@rge.com**

PROJECT DESCRIPTION

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 Greece. Specifically, the enhancement of Station 46 will include the replacement of its two existing transformer banks, including new foundations, firewalls, and oil containment areas.

Currently providing power to approximately 6,356 customers, these upgrades will enhance the station's overall capacity, improve its general asset condition, and enhance the reliability requirements of the station for our valued RG&E customers.

Overall, these improvements will enrich the integrity of the entire transmission system in the local area.



Station 46 is an existing AVANGRID/RG&E substation in the Town of Greece. The project's scope of work calls for a complete rebuild of the existing station: transformers, control houses, firewalls, foundations, oil containment areas, and the upgraded replacement of the current fence with no increase in height. All work will take place within the current substation footprint.

STATION 46 PROJECT SCOPE INCLUDES:

- Upgrading and/or replacing transformer banks #1 and #3, including new foundations, firewalls, and oil containment areas in new locations within the substation yard.
- Converting the existing 4kV circuit equipment to 12kV.
- Demolishing one of the two existing control houses on the property, while upgrading the other.
- Installing a new GIS control house, which will include the installation of new GIS switchgear inside the new building.
- Upgrading the existing fence surrounding the substation within its current footprint, with no height increase.

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 and Control House will increase the capability of the substation, thereby meeting the growing demand for additional power in the region.
- The natural vegetation border north of the substation ensures that the private residents on the opposite side of the boundary will be unaffected by both the construction activities and the normal operation of the substation.

PROJECT FACTS

Municipalities:	Town of Greece/City of Rochester
County:	Monroe
Permitting Required:	Federal, State, and Local
Location:	786 Ridge Road West Greece, NY 14615

ESTIMATED TIMETABLE *(subject to change)*

Initial Field Work;	Completed
Construction Start:	September 2020
In Service Date:	Q2 2023



Of the two current control houses on the property, one will be demolished while the other will remain. A new GIS control house will be installed that will include state-of-the-art GIS Switch gear. Transformer banks # 1 and # 3 will be replaced and upgraded. Noise studies at the site have been within acceptable industry standards, and residential areas to the north are not impacted and benefit from a buffer of trees and natural vegetation boundaries.