



RG&E

An AVANGRID Company

ROCHESTER GAS AND ELECTRIC Station 43 Modernization Project Fact Sheet

CONTACT

Project Information Line: **888.553.5411**

Refer to: **Station 43 Modernization Project**

Website: **rge.com/reliabilityprojects**

Email: **outreach@rge.com**

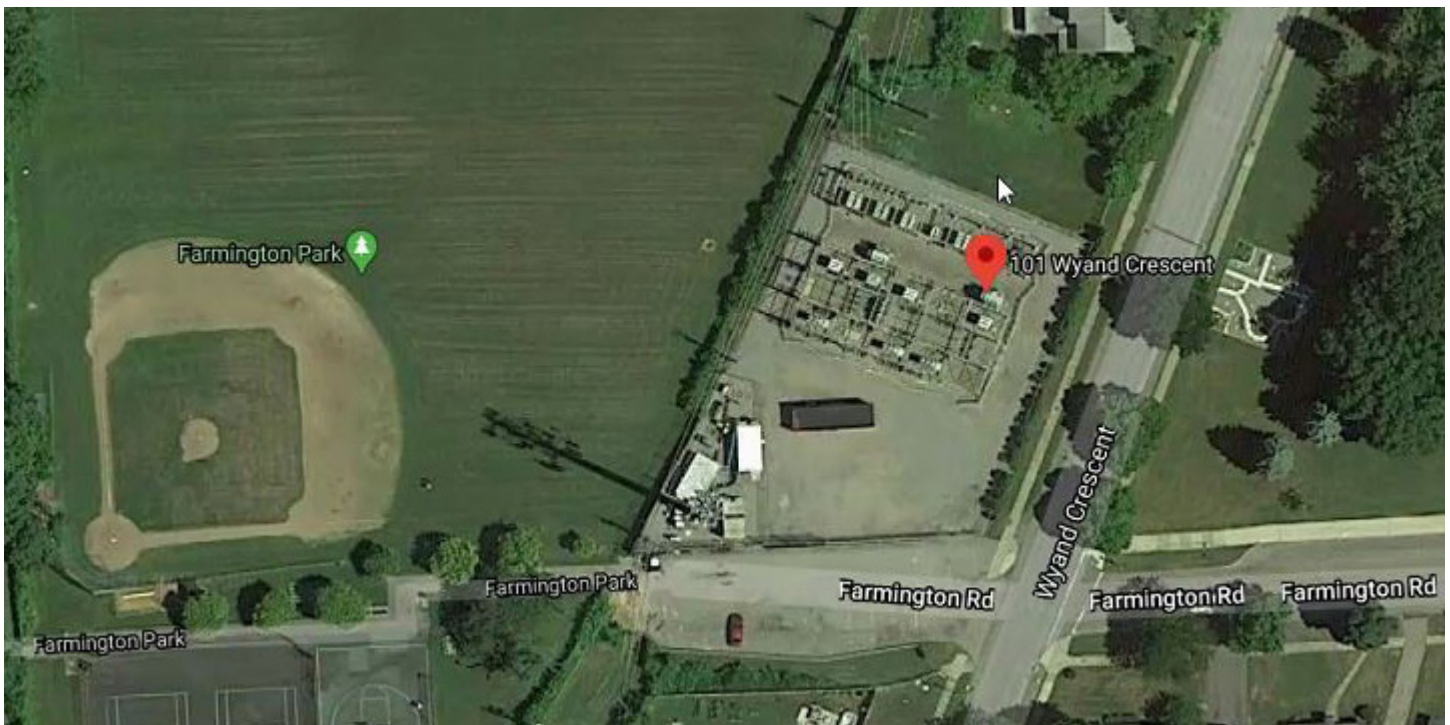
PROJECT OVERVIEW

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 City of Rochester. Specifically, we will be rebuilding Station 43 to increase its capacity, improve its asset conditions, and enhance the reliability requirements of the station for our valued RG&E customers.

The station's current capabilities are over loaded, and it has exceeded its peak operating levels. This upgrade will enrich the integrity of the entire transmission system in the local area.



Located at 101 Wyand Crescent in the City of Rochester, the substation was originally constructed in the 1950s and has exceeded its peak capacity capabilities and is overloaded. Adjacent landowners include a private landowner, City of Rochester's Farmington Park, and School #52/Frank Fowler.



Field assessments conducted during the summer peak of 2011 support the modernization project of Station 43. In addition to upgrading outdated equipment, the restoration and remediation of the fence line and natural boundaries will be a priority.

STATION 43 MODERNIZATION PROJECT SCOPE INCLUDES:

- Replacement of transformers #3 and #4: Built in the early 1950s, they are both outdated and overloaded.
- Increased switching capabilities with adjacent circuits facilitated by proposed larger transformer size.
- Installation of 2 new 34.5kV-12kV, 22 MVA Transformer Banks to convert the existing 4.16kV distribution circuits to 12.5kV.
- Upgraded capabilities to continue serving approximately 6,467 residential and commercial customers.

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 meet the growing demand for additional power in the region.
- The installation of 2 new state-of-the-art transformers, and corresponding noise barriers, will significantly reduce the level of operational noise originating from the station. Additionally, all remaining equipment will be housed inside the new Control House, which will further reduce the station's overall noise levels as compared to the existing conditions.
- Upgraded landscaping around the station, including a non-conductive premium fence, will greatly enhance the station's overall appearance.

PROJECT LOCATION

Municipalities:	City of Rochester
County:	Monroe
Permitting Required:	Local

ESTIMATED TIMETABLE *subject to change*

Initial Field Work:	Completed
Construction Start:	Q4 2021
New Substation Construction Finish:	Q4 2022
In Service Date and Demolition of Outdated Components:	Q2 2027