



### RG&E Projects/Programs

In June 2023, Rochester Gas and Electric (RG&E) filed a joint proposal with the New York State Public Service Commission to make more than \$1.5 billion in investments to upgrade our aging infrastructure, meet the State's clean energy goals, and invest in smart technology to improve reliability and service.

#### Key projects and programs included in this proposal are:

- **Circuit Breaker Replacement Program** – The Circuit Breaker Replacement Program is intended to proactively replace obsolete transmission and distribution circuit breakers that are at an elevated risk of failure, which can expose our customers to unplanned outages. This work is informed by comprehensive engineering assessments which evaluate the health, criticality, and risk across the population of circuit breakers within RG&E's territory. This program spans across RG&E's operating territory and its deployment is based on a prioritization strategy focusing on maximizing overall customer reliability improvements. RG&E plans on replacing approximately 132 circuit breakers within the 2023-2026 rate case period. [All Divisions](#)
- **Resiliency Program** – The Resiliency Program is intended to address RG&E's worst performing circuits during storm activity and propose system upgrades to reduce outage risks for our customers. This work is informed by various engineering and analytical studies, spans across RG&E's operating territory, and is prioritized based on historical customer outage impacts. System upgrades include, but are not limited to, the installation of stronger rated poles, tree wire, automatic sectionalization devices, enhanced vegetation management, and the addition of circuit tie points. RG&E is expected to upgrade approximately 12 circuits within the 2023-2026 rate case period. [All Divisions](#)
- **Distribution Load Relief Program** – The Distribution Load Relief Program is intended to mitigate existing power transformer capacity (overload) needs throughout RG&E's service territory. This work spans the totality of RG&E's operating territory, is prioritized on transformer overload impacts, and will be central to RG&E's ability to increase system capacity, enable electrification initiatives, and reduce the likelihood of transformer failure risks, which would negatively impact our customers. RG&E expects to provide capacity relief at four substations within the 2023-2026 rate case period. [All Divisions](#)
- **Distribution Automation Program** – The Automation Program is intended to address RG&E's worst performing circuits and propose system upgrades to reduce outage risks for our customers. This work is informed by various engineering and analytical studies, spans RG&E's total operating territory, and is prioritized based on historical customer outage impacts. System upgrades include the installation of automatic sectionalization devices, which allow for system faults to be isolated, thus limiting the impact to our customers. RG&E is expected to deploy 100 devices across 30 circuits within the 2023-2026 rate case period. [All Divisions](#)

- **Station 43 Modernization Project** – The Station 43 Modernization Project will mitigate numerous asset condition and system capacity needs that were identified following the completion of comprehensive engineering studies. Station 43 is a 34.5/4 kV facility, located within RG&E's Central Division, and directly serves approximately 6,600 customers. On the distribution side, the station will be converted from 4 kV to 12.5 kV along with a distribution lines conversion from 4 kV to 12.5 kV. This project will significantly expand the station's load serving capabilities, voltage stability, enable electrification initiatives, and replace obsolete facilities which have been a contributing cause of customer outages in recent years. [Monroe County](#)
- **Station 156 Modernization Project** – The Station 156 Modernization Project is intended to mitigate numerous asset condition and system capacity needs that were identified following the completion of comprehensive engineering studies. Station 156 is a 34.5/4 kV facility, located within RG&E's Canandaigua Division, and directly serves approximately 945 customers. Distribution served from this station will be converted from 4 kV to 12.5 kV along with the lines conversion from 4 kV to 12.5 kV. This upgrade will increase the capacity, voltage stability, and efficiency in the local area. The adjacent stations/circuits are already 12.5 kV, so this conversion will enhance the circuit tie capabilities for contingency, impacting reliability by improving the time restoration in case of an outage. [Canandaigua](#)
- **Station 210 Modernization Project** – The Station 210 Modernization Project will mitigate numerous asset condition and system capacity needs, also identified in comprehensive engineering studies. Station 210 is a 34.5/4 kV facility, located within RG&E's Lakeshore Division, and directly serves approximately 1,650 customers. This station's distribution will be converted from 4 kV to 12.5 kV to be prepared for a future conversion on the distribution circuits. One of the circuits will be partially converted to 12.5 kV as part of this project to increase the capacity and voltage stability. This project will significantly expand the station's load serving capabilities, preparing the area for future load growth, enable electrification initiatives, and replace obsolete facilities which have been a contributing cause of customer outages in recent years. [Wayne County](#)
- **Webster Area Projects** – The Webster Area Projects consist of 12 separate projects, including line and substation work. These projects are intended to mitigate numerous asset condition, system capacity, and customer reliability needs that were identified through comprehensive engineering studies. These facilities are located within RG&E's Central Division in Webster and Irondequoit and affect approximately 40k customers. These projects will significantly reduce exposure to loss of load, equipment failure, and thermal overloads, thereby increasing the area's reliability. [Monroe County](#)
- **Line 794** – The Line 794 project will address asset condition needs identified following a comprehensive engineering study. These needs included National Electric Safety Code structural overloads and visual inspection failures. This 34.5 kV transmission line is one of two main 34.5 kV lines in the Sodus area and supports approximately 3,200 customers. We will rebuild 21 miles and install a new Optical Ground Wire, which will improve communication in the area. This project will increase future capacity in the area, address asset condition needs, and reduce the potential for future outages. [Wayne County](#)
- **Station 82 Upgrades** – The Station 82 Rebuild Project is a full substation rebuild which will mitigate numerous asset condition, system capacity, and customer reliability needs that were identified in comprehensive engineering studies. Station 82 is a 115/34.5/12.5 kV facility, located within RG&E's Central Division, which serves as a critical 115 kV connection point and a central source of power for Rochester's 115 and 34.5 kV sub-transmission systems. This station currently supports 3,500 12.5 kV customers, and this project will significantly expand the station's load serving capabilities. It will also enable electrification initiatives, allow for the deliverability of New York State's Climate Leadership and Protection Act (CLCPA) Projects, and replace of obsolete facilities, thereby improving reliability in the surrounding area. [Monroe County](#)



## RG&E Remediation Programs

By increasing capital expenditures in areas that directly impact reliability, RG&E is investing in solutions to mitigate customer interruptions. The programs that make up these remediation efforts will differ by region based on each region's specific needs and criteria.

### Key remediation programs include:

- **Distribution Line Inspection (DLI) & Wood Pole Inspection & Treatment (WPIT)** – Accelerated replacement of approximately 45,000 wood poles based on a specific list of criteria including physical condition, structural deficiencies, and recent circuit performance.  
Increased remediation of crossarms, transformers, conductor, cut outs, and poles deemed insufficient as the result of inspection programs ranked by reliability impact, the number of customers downstream of the specific location, the historical customer impact, the device type, the notifications per specific location and the historical incident count.  
- **\$23M**
- **Trip Savers** – Expanded use of automation schemes using “smart fuses” or “Trip Saver” devices to minimize outage durations and customers impacted. Trip Savers are an alternative to a standard fuse and have basic reclosing functionality. When deployed in the appropriate locations, they help mitigate the need for line personnel to manually reset the fuse, and they can automatically reset themselves in instances of temporary faults providing customers with a much faster restoration than what would have occurred with manually resetting a fuse. - **\$3.2M**

- **Animal Guard** – Full implementation of Animal Guard Installation to reduce the number of interruptions caused by animal contact reducing both the frequency and duration of outages. - **\$5.9M**
- **Electric Betterment Program** – The Betterments Program focuses on the replacement of various distribution system elements that contribute to high SAIFI measures. Electric Betterment projects are aimed at improving the reliability of worst performing circuits and maintaining the safe and reliable delivery of electricity to our customers. These projects focus on the reliability, operability, and flexibility of the electric distribution system. This program allows divisions to respond to smaller identified jobs to better improve reliability metrics and reduce the frequency and duration of customer outages. - **\$10.8M**