



Langner 433 Resiliency Upgrades

Project Overview

As part of our commitment to provide safe, reliable service to all our customers, New York State Electric and Gas (NYSEG), in conjunction with our parent company – AVANGRID, is updating the delivery system in our service areas. These upgrades comply with new electric distribution reliability requirements. While making investments to improve system performance and update system assets to improve system resiliency, 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 Need

The Langner 433 Circuit serves the NYSEG customer base west of the I-90 corridor in the West Seneca Township, more specifically, the neighborhoods surrounding Covington Dr and Kirkwood Dr. Along these two streets, there are backlot lines that are right against a heavily treed rail trail embankment and therefore these lines are often subject to tree related outages & damage. Further they are burdensome for both NYSEG and the customers when crews need access to make repairs and often lead to extended outages when issues arise.

Langner 433 also serves some of the commercial area around the Langner Rd intersection with Ridge Rd, and down to the neighborhoods south of Fisher Rd. (north of US-219). The circuit is adjacent to multiple other NYSEG circuits in the area. Implementing additional remotely operable devices, upgrades to existing lines, and making connections with these adjacent circuits would increase opportunities to isolate damaged line segments limiting customer outages.

Project Information Line: 833-551-4100
Refer to: Langner 433 Resiliency Upgrades
Email: outreach@nyseg.com
Website: nyseg.com > Reliable Service

Project Purpose and Impacted Areas

The project intends to perform multiple upgrades in the various areas that the Langner 433 circuit serves to help address some of the problem areas.

First, relocate the backlot line segment along Covington Dr. to the roadside, rebuilding the line with new assets and heavier class poles. The line will connect into the roadside line segment north of Dorrance Ave. This existing roadside section will also be rebuilt up to Potters Rd. with larger wire and heavier class poles.

- Customers on the east side of Covington will still be served by the backlot line so electric meters do not require relocation. Select poles along this backlot line segment may be replaced with new poles if in poor condition.
- On Kirkwood Dr, dilapidated poles on the line segment between Seneca St and Indian Church Rd, running behind houses east of Kirkwood, will be replaced with heavier class poles. Also, the portion of this line segment between Manhasset St. and Indian Church Rd. will be reconducted with covered treewire to minimize tree related outages.
- On Fisher Rd rebuild, the line segment between Langner Rd and Orchard Park Rd (NY-240) utilizing heavier class poles and covered tree wire.
- Along Slade Ave. from Ridge Rd up to and along Potters Rd. to the I-90 crossing, build/rebuild in place a line segment with heavier class poles and larger conductor. The new line will create a tie with an adjacent circuit, utilizing a remotely operable switching device.
- Finally, there will be a couple of standalone remotely operable sectionalizing/protection devices on Ludwig Ave and N. Covington Dr. and various standalone manual switch upgrades that will help isolate problem areas.

Upgrade Project Scope Includes

- 0.87 Mile Tie 3Ph 12.47kV Line Rebuild and Tie Line
 - (1) N.O. SCADA (Remotely Operable) Tie Recloser
- 0.70 Mile Line Relocate and Rebuild
- 0.41 Mile Line Rebuild of Backlot Line with Covered Tree Wire
- 0.70 Mile Line Rebuild of existing line with larger covered conductor to support existing tie.
- (25) Delapidated backlot poles replacements.
- (2) Standalone SCADA (Remotely Operable) Devices for Sectionalizing and Protection.

Project Location

Municipalities: West Seneca Township

Counties Impacted: Erie

Permitting Required: State Highway Permits (NY-240), County Permits

Estimated Timetable *(subject to change)*

Project Start: Q2 2024

Project Completion: Q3 2025

Regional Benefits

- The Rebuild & Relocate along Covington Dr. will improve the power reliability downstream by reducing the risk of tree related outages and providing roadside access for crews to quickly address any issues that arise with this line.
- The Rebuild along Kirkwood Dr. with heavier class poles and covered tree wire will make the existing infrastructure more resilient to tree related incidents.
- The Rebuild along Fisher Rd. will make the existing infrastructure more resilient to tree related incidents and increase the tie capacity with an adjacent circuit allowing flexibility to re-energize portions of the circuit temporarily off the other circuit in an emergency.
- The Tie Line and Line Rebuild along Slade Ave. will provide a back-up power source to re-energize line segments bi-directionally between the Langner 433 and the adjacent circuit in an emergency.
- The addition of/reprogramming of the remotely operable sectionalizing/protection devices and the manual switch upgrades will allow flexibility for problem areas to be isolated so that a smaller number of customers are affected.

