

CONTACT

Project Information Line: **833-551-4300**

Refer to: **Stillwater Non-Wires Alternative Project**

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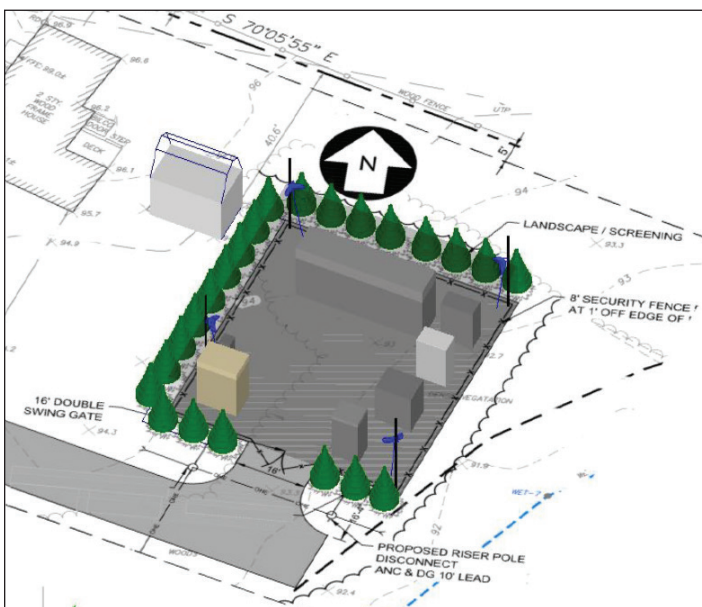
Website: **nyseg.com > Reliable Service**

PROJECT OVERVIEW

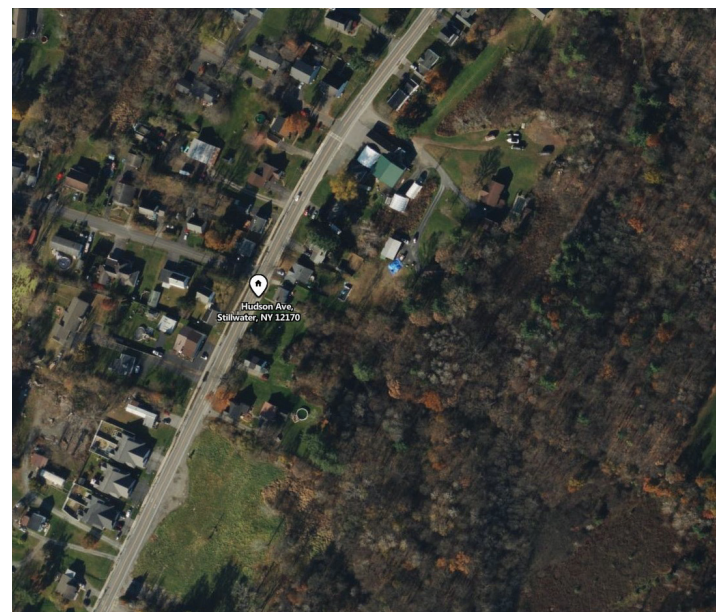
New York State Electric & Gas Corporation (NYSEG) entered into a contract with a third-party developer, RWE, in June 2022. RWE was selected after a competitive solicitation was issued in 2017, which resulted in more than 13 proposals received. Customers in Stillwater, NY will soon enjoy increased energy reliability due to a Non-Wires Alternatives (NWA) project that has recently broken ground. An NWA is an alternate solution that typically utilizes Distributed Energy Resources to defer or avoid certain traditional transmission and distribution projects needed primarily to correct system overloading conditions and other reliability issues. NWA projects support New York State's energy and climate goals established by the Climate Leadership and Community Protection Act (CLCPA).

PROJECT NEED

NYSEG's Stillwater substation (located in NYSEG's Mechanicville Division, Town of Stillwater), serves approximately 1,270 residential and small commercial customers via one 4.8 kV distribution circuit where overload conditions and power quality (i.e., low voltage) issues have been identified. The proposed traditional solution was to upgrade and replace the existing transformer bank with a new transformer and convert approximately 2.5 miles of the distribution circuit to 12.47 kV and establish in-field adjacent circuit ties, with an estimated cost of \$13.70 million. With the Stillwater NWA project, NYSEG plans to defer the implementation of this traditional solution for 10 years. This is the first NWA project that AVANGRID, NYSEG's parent company, is advancing in New York State.



Artist's rendering



Aerial view of property

PROJECT PURPOSE

NYSEG plans to meet the Stillwater NWA project needs (i.e., projected overload and low voltage power quality issues) through a third-party developer installed and operated 1 MW/2.9 MWh battery energy storage system (BESS) located roughly 1.8 miles from the Stillwater substation on the 4.8 kV distribution circuit. The Stillwater NWA project will deliver safe and reliable service at reasonable costs and in an environmentally sound manner. It will improve power quality and load conditions for the residential and small business customers served by the Stillwater substation within Saratoga County. This is a cost-effective alternative to the traditional “poles & wires” capital infrastructure solution and supports achievement of the targets established by the CLCPA. As a responsive community partner, NYSEG prides itself on collaborating with its valued customers and investing in communities it serves.

ESTIMATED TIMETABLE *(subject to change)*

Project Start:	June 2022
Project Completion:	Q2 2023
In Service Date:	Q2 2023

PROJECT LOCATION

Municipalities:	Stillwater, New York
County:	Saratoga
Permitting Required:	Local, State
Location:	Hudson Avenue Stillwater, New York

PROJECT SCOPE

- 1 MW/2.9 MWh battery energy storage system (BESS)
- The battery system by LG is UL9540A certified, which demonstrates that the design limits the propagation of heat (thermal runaway).
- Vegetative screening will be installed on 3 sides (North, West and South) to enhance the area
- Noise measurements to be conducted before and after the facility is in-service to meet village requirements.

BENEFITS TO THE REGION

- Improved reliability
- Reduce peak demand to eliminate substation equipment overloading conditions
- Improved voltage and power quality
- Cost savings compared to traditional infrastructure solutions
- Cleaner energy



Location near the Stillwater School District facilities



BESS Site Entrance



BESS Site Interior