

Lockport-Batavia Line 112
Rebuild Project
NYSPC Case 22-T-0654

Public Information Forum

November 28, 2023

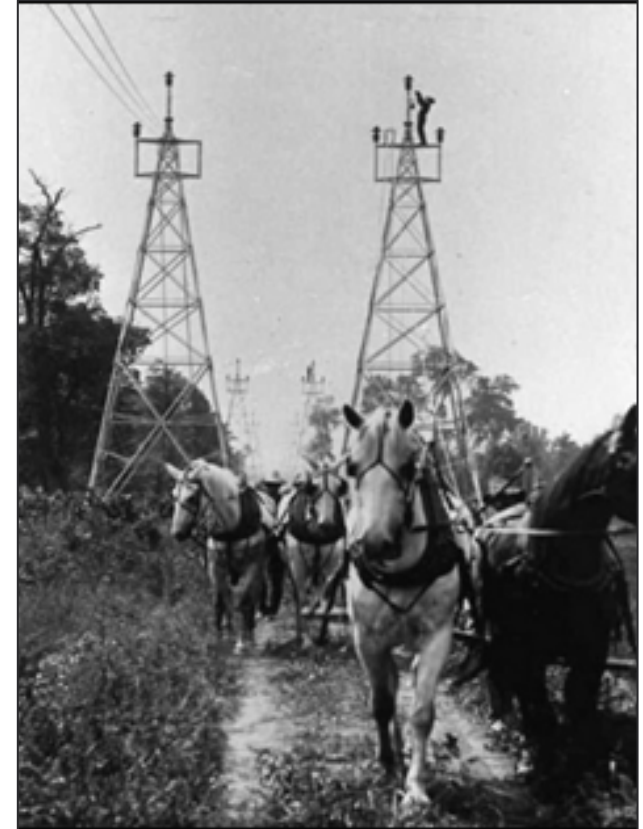
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Lockport–Batavia Line 112 Rebuild Project History

- The line was originally built by the Niagara, Lockport, and Ontario Power Co. as part of a network from Niagara Falls to Lockport, Rochester, and ultimately Syracuse, beginning in 1906.
- The line ran mostly on steel towers constructed with horse-and-buggy technology.
- The Lockport-Batavia Line 112 was placed into service in 1907.
- This Project will rebuild approximately 21 miles of the 35 mile Lockport-Batavia Line 112.



Lockport–Batavia Line 112 Rebuild Project Need

- 1907 vintage steel tri-leg towers and conductor on the 21-mile portion of the Line 112 from Lockport Station to structure #211 are deteriorated and would require significant field work to restore them to good condition.
- Since 2013 the Line 112 has had over 30 interruptions, all but 1 of the line interruptions confined to the 21-mile portion of the line with the steel tri-leg towers.
- Structure #212 east to Batavia is built on wood poles and has been found to be in acceptable asset condition.



Lockport–Batavia Line 112 Rebuild Project Route

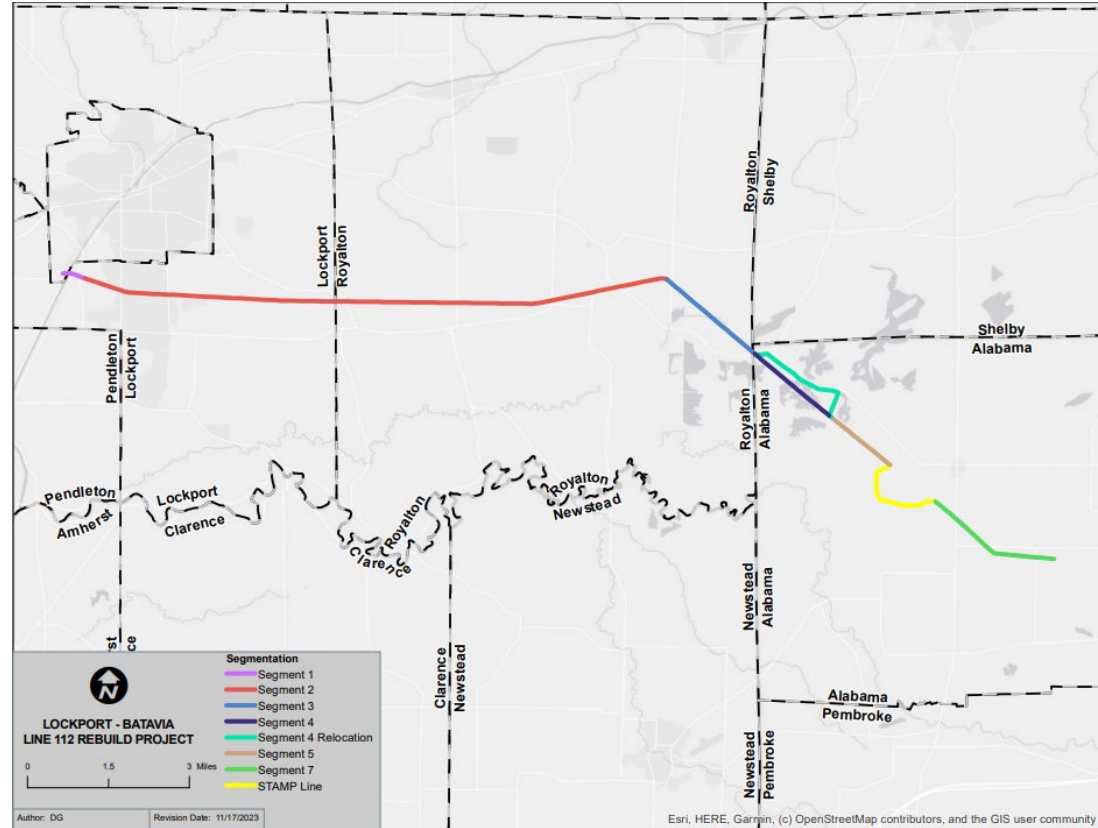
The Line 112 runs through the following municipalities:

- City of Lockport (~0.1 miles)
- Town of Lockport (~5 miles)
- Town of Royalton (~8 miles)
- Town of Alabama (~8 miles)

The existing Line 112 runs through the Tonawanda Wildlife Management Area managed by the NYSDEC for ~ 1.8 miles.

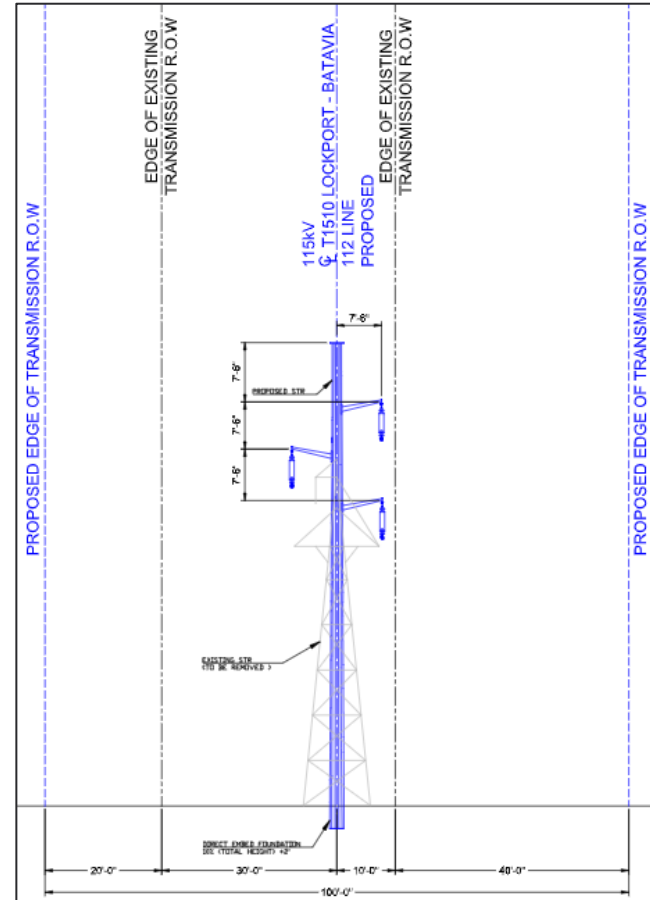
It will be rerouted to a location w/in the TWMA that is more upland, less impactful to the local habitat and allow for easier access to structures for restoration & maintenance.

The reroute will be ~2.5 miles in length.



Lockport–Batavia Line 112 Rebuild Project View

- What will the upgrade look like?
 - Structures between #1-5 outside the Lockport Station and #211 will be removed.
 - The majority of the new poles will be galvanized steel mono-poles.
 - The existing steel tri-leg towers are ~60 – 70 ft tall, the majority of the new steel poles will be ~70 - 85 ft tall, in general the new structures will be ~15 ft taller than the existing structures.
 - The Project remains within the existing right-of-way except for the reroute in the TWMA.
 - Minimal visual impacts compared to existing conditions, new steel poles will have a “cleaner” appearance compared to the existing steel lattice tri-leg towers.



Lockport–Batavia Line 112 Rebuild Project Construction



Site Preparation:
The first phase of site preparation and construction is tree & brush clearing. There will be ~14k LF of non-contiguous new tree cutting (ranging in width from 0 to ~60 ft) along the ~111k LF project length.



Environmental Controls:
Environmental controls are installed to mitigate construction impacts related to erosion & sediment control (e.g., timber matting, silt fence, water bars).



Transmission Line Rebuilding:
Foundations are poured, structures are spotted and erected, and new wire is strung and energized.



Restoration:
The construction area is mostly restored to pre-construction conditions (e.g., reseed, restore original grade, Ag. field monitoring for 2 years).

Lockport–Batavia Line 112 Rebuild Project Duration



- Construction start date to be within 4 months of Commission approval of the Project's Environmental Management & Construction Plan.
- Anticipated In-service date 2027.

Lockport–Batavia Line 112 Rebuild Project Benefits



Replacement of Aging Infrastructure: The existing line is aging and reached the end of its useful life. The project will modernize this infrastructure and bring the line up to current day National Electric Safety Code.



Increased Electric Transmission Capability: With the installation of larger conductor (wires), the quantity of electric current the Company will be able to transmit along the rebuilt portion of Line 112 will increase to better meet the area's current and future electric needs.



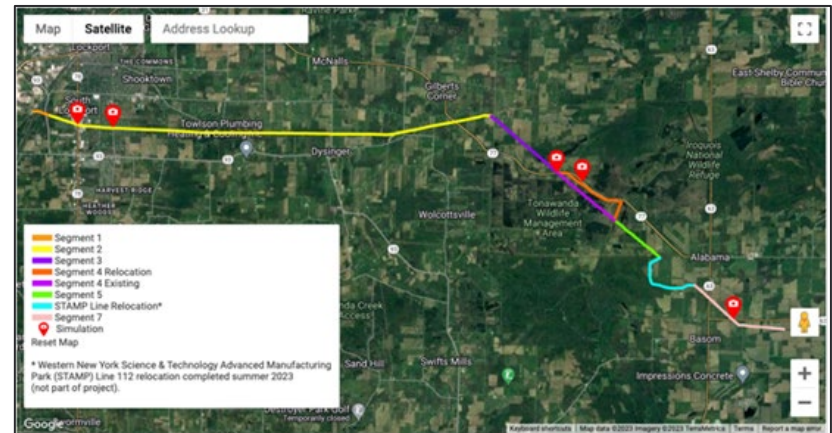
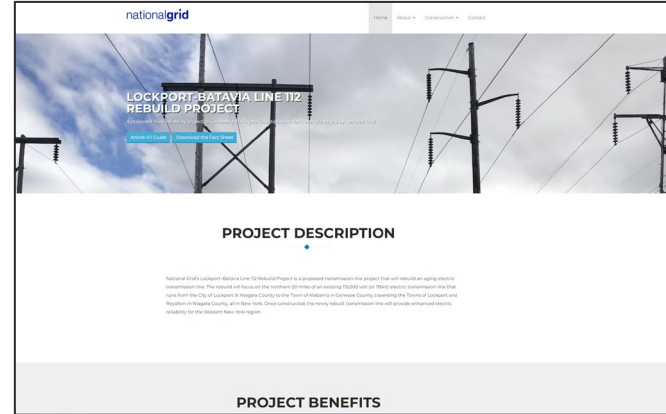
Cost-Effective Solution for Years to Come: Rebuilding the transmission line provides a cost-effective solution for the continued long-term maintenance and operation of the line.



The Line 112 will continue to operate at 115kV. This project will improve the reliability and resiliency of the Line 112 and the transmission system in western New York.

Lockport–Batavia Line 112 Rebuild Project

- [Lockportbataviatransmission.com](https://lockportbataviatransmission.com)
 - Project Information & Updates
 - Find Your Home Tool
 - Document Library
 - FAQ



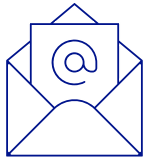
Lockport–Batavia Line 112 Rebuild Project Contacts



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