



GREAT RIVER ENERGY

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MVEC

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Cleveland Substation double circuit tap to Xcel/Alliant tap rebuild

Great River Energy, wholesale power supplier to Minnesota Valley Electric Cooperative, owns the Cleveland Substation double circuit 69-kV transmission line in Le Sueur County. This 1.77-mile line, built in the early 1960s, runs north along County Road 15 from the Cleveland Substation to the Xcel/Alliant tap on Hiawatha Pioneer Trail and 10th St North. The rebuild will improve the reliability of the transmission system in the area and reduce risks associated with low voltage and transmission line overloading.

Great River Energy is planning to rebuild the transmission line along the existing corridor using existing rights. In some locations, deviations from the existing centerline may be necessary and may require new or amended easements which will be discussed with individual landowners.

Overview

The project starts at the Cleveland Substation located at the intersection of Le Sueur County Road 15 and 440th Street and runs south, approximately 1.77 miles, along the east side of Country Road 15 to the existing Excel tap located at the intersection of Hiawatha Pioneer Trail and 10th St North.

The transmission line will be rebuilt using single wood poles generally 55 to 75 feet above ground, placed 200 to 400 feet apart. Poles will likely be in similar locations to existing. Directional changes or angles may require guy wires and anchors to stabilize poles. In certain situations, engineered laminated poles may be used.



Typical 69-kV wood single circuit structure without distribution underbuild

Permits & Easements

Great River Energy will work with county, state and federal government agencies to secure all necessary permits or permissions necessary for the project (e.g., conditional use, environmental, construction).

Great River Energy has existing prescriptive easement rights to rebuild, operate and maintain the transmission line. The easement area will continue to be maintained by clearing trees and vegetation to allow for the safe operation of the line. Some areas may require additional or amended easement rights. Landowners will be notified of the project construction dates and major activities.

Schedule

Notifications/Survey	Fall/Winter 2024
Easements/Environmental permits	Spring/Summer 2025
Engineering Design	Winter/Spring 2025
Transmission line construction	2026

Quick facts

Length	– 1.77 miles
Voltage	– 69-kV
Structures	– Wood and/or laminated poles
Spans	– 200 to 400 feet apart

Proposed project map



About Great River Energy

Great River Energy is a not-for-profit wholesale electric power cooperative which provides electricity to approximately 1.7 million people through its 27 member-owner cooperatives and customers. Through our member-owners, we serve two-thirds of Minnesota geographically and parts of Wisconsin.

Great River Energy representatives

For project updates and information visit greatriverenergy.com/clevelandsubstation or contact:

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