

Lorain to Rost substation and 69-kV transmission line project

Great River Energy, wholesale power supplier to Federated Rural Electric Association and Nobles Cooperative Electric, proposes to build a new 69-kilovolt (kV) transmission line in Nobles and Jackson counties, connecting the Missouri River Energy Services (MRES) Lorain Substation east of Worthington to a new Great River Energy Rost Substation on the corner of 790th Street and 350th Avenue in Jackson County. These facilities will improve the reliability of the transmission system in the area and reduce risks associated with low voltage and transmission line overloading.

Overview

The approximately 9-mile transmission line (see map on back for proposed route) will interconnect with MRES's new Lorain Substation near the intersection of 250th Street and Roberts Avenue. From there the proposed transmission line will be routed east approximately nine miles along 250th Street in Nobles County/790th Street in Jackson County. The transmission line would then terminate at the proposed Great River Energy Rost Substation.

The proposed transmission line will consist primarily of wood poles, generally 250 to 400 feet apart and 50 to 75 feet above ground. Guy wires and anchors, when necessary, will be used to stabilize poles. Some specialty poles, such as steel or laminated wood, may also be required. The new transmission line will require a 100-foot-wide right of way, 50 feet on each side of the centerline. Trees and vegetation in the right of way will need to be removed to provide a safe construction, operation and maintenance area.



Typical 69-kV wood single circuit structure without distribution underbuild



Typical 69-kV wood double circuit structure with distribution underbuild

Permits, easements and public involvement

Great River Energy will contact landowners with an invitation to participate in a public informational open house to provide information on the proposed project. We will also be engaging Nobles and Jackson counties to obtain any necessary permits to commence construction. As the project progresses, Great River Energy will be contacting landowners to discuss structure locations and the acquisition of easements for the new transmission line. State and local permits and licenses for the project will be obtained prior to construction. At that time tree removals and clearing of vegetation will also be discussed.

Schedule

Notifications	Fall 2022
Local permitting	Fall 2022 – Spring 2023
Survey/design	Summer 2023 – Fall 2023
Easements/ Environmental permits	Fall 2023 – Summer 2024
Transmission line construction	Summer 2024 – Summer 2025
Energization	2025

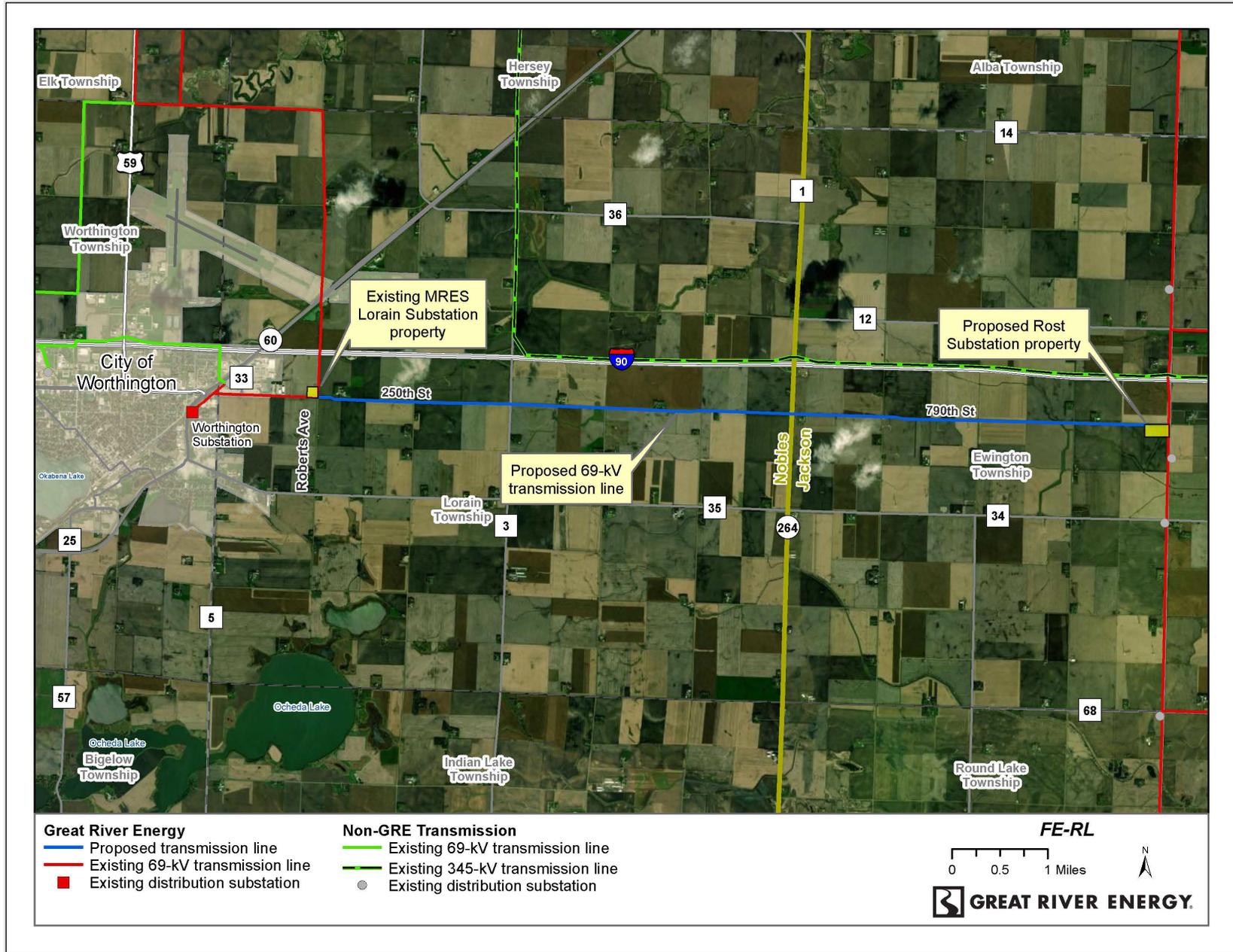
Quick facts

Length	– 9 miles
Voltage	– 69 kV
Structures	– Wood poles
Spans	– 250 to 400 feet apart
Right of way	– 100-foot-wide right of way. 50 feet on each side of the centerline.
Permits	– As noted

About Great River Energy

Great River Energy is a not-for-profit wholesale electric power cooperative which provides electricity to 28 member-owner distribution cooperatives. Together, our systems provide power to approximately two-thirds of Minnesota geographically and parts of Wisconsin, serving 725,000 families, farms and businesses.

Proposed project



Great River Energy representatives

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

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