

# “HE” 69-kV transmission line rebuild project

Great River Energy, wholesale electric supplier to Kandiyohi Power Cooperative, will be rebuilding 7.2 miles of the overhead “HE” 69-kV (69,000 volt) transmission line. Replacement of this transmission line is a priority due to age and condition, originally built in 1948. The rebuild will implement modern construction, engineering and design standards leading to improved electric reliability for the area. There will be construction challenges to navigate which include limited access, large elevation changes, wetlands and a river crossing.

## Overview

The transmission line rebuild begins at Minnesota Highway 23 and 199<sup>th</sup> Ave NE, then runs west for approximately two and half miles in existing transmission line corridor that crosses Mud Lake, parallels 198<sup>th</sup> Ave NE, and traverses’ various off-road properties. At County Road 9 the line turns south to 195<sup>th</sup> Ave NE and then turns west to MN Highway 71. The line continues south for one mile, ending at Kandiyohi County Road 40. (See map on back.)

Transmission line construction will mostly use single wood poles; however, some areas with limited access and poor soils will require specialty poles, composite or steel. Poles will generally be 70 to 80 feet above ground, 350 to 400 feet apart. Directional changes or angles will require guy wires and anchors. The 70-foot-wide right of way, 35 feet on each side of the centerline, will be cleared of trees and vegetation to provide safe construction, operation and maintenance areas.



*Typical 69-kV circuit*

## Permits and easements

Kandiyohi County and City of New London do not require a permit for this essential service. Great River Energy will notify and work with local, state and federal agencies to secure any required permits.

Great River Energy will use its existing easement rights to rebuild the transmission line. Additional easement rights or clarification of rights may be required. These landowners will be contacted to review the easement requirements.

All landowners will be provided details regarding project schedule, construction start dates and contacted to discuss tree removal and construction access.

### Schedule

<b>Notifications</b>	<b>Summer 2023</b>
<b>Design</b>	<b>Fall 2023</b>
<b>Easements/ Environmental permits</b>	<b>Winter 2023-24</b>
<b>Transmission line construction</b>	<b>Summer/Fall 2024</b>

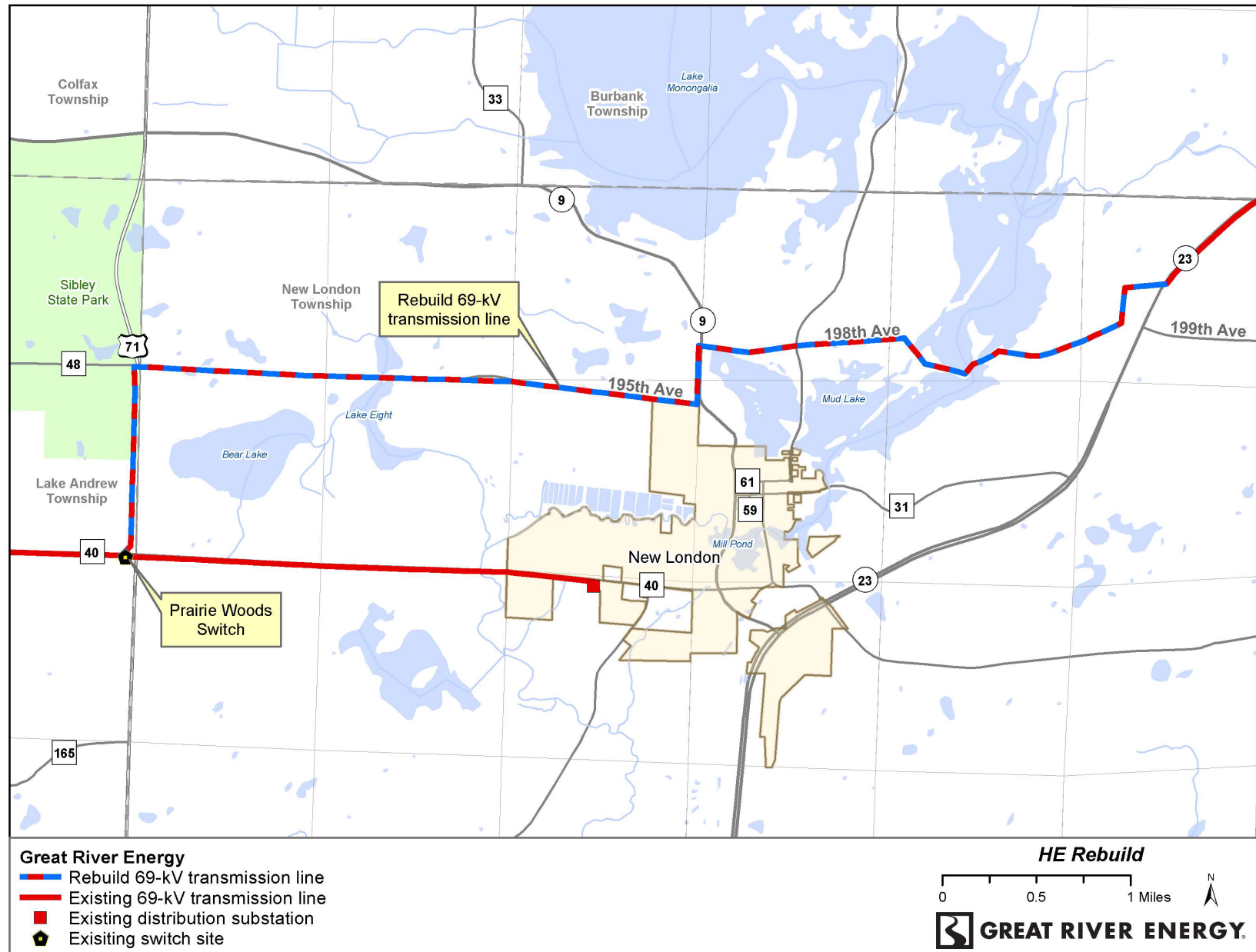
### Quick facts

<b>Length</b>	<b>– 7.2 miles</b>
<b>Voltage</b>	<b>– 69-kV</b>
<b>Structures</b>	<b>– Wood, composite, steel</b>
<b>Spans</b>	<b>– 350 to 400 feet apart</b>
<b>Right of way</b>	<b>– 70-foot-wide right of way. 35 feet on each side of the centerline.</b>

## 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.

## Proposed project



## Great River Energy representatives

For project updates and information visit [greatriverenergy.com/newlondon](https://greatriverenergy.com/newlondon) or contact:

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