

## Deer River to Jessie Lake 69-kV transmission line rebuild and reroute

Great River Energy, wholesale power supplier to North-Itasca Electric Cooperative and Lake Country Power, is proposing to rebuild and relocate portions of its 69-kV transmission line between Deer River and Jessie Lake. Since the mid-1950s, this line has served as North-Itasca Electric Cooperative’s primary power source, and due to its age and condition, can no longer provide adequate and reliable power delivery. Rebuilding to modern construction standards will enhance the area’s power supply providing for future growth, lightning protection, improved year-round maintenance and emergency access, and will diminish environmental disturbance.

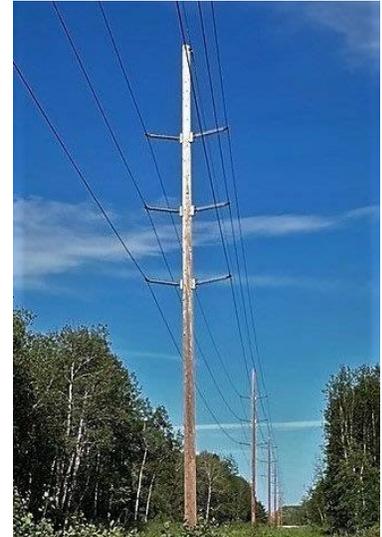
### Overview

The first segment is a proposed reroute of a two-mile double circuit 69-kV line, exiting the Deer River Substation on County Road 161 and running north along County Road 161 then west along County Road 128 before rejoining the existing alignment. The rebuild continues as a single circuit for 4.5 miles. At this point, the second reroute turns west for 1000 feet to Minnesota Highway 6 and follows the highway north for 10 miles before rejoining the existing alignment. The final rebuild then runs 2.5 miles to the Jessie Lake Substation. The map on back shows the project area and proposed route.

Transmission line construction will generally use single wood poles 65 to 75 feet above ground, placed 300 to 350 feet apart. Specialty poles and longer or shorter spans may be required. Directional changes or angles require guy wires and anchors to stabilize poles. To provide a safe construction, operation and maintenance area, a 100-foot-wide right of way, 50 feet each side of the centerline, will be cleared of trees and vegetation.



Typical 69-kV single circuit



Typical 69-kV double circuit

### Permits and easements

Great River Energy will work with tribal, local, state, and federal governments to secure any required permits or permissions necessary for the rebuild and relocated areas. Landowners will be invited to an open house to review project details and provide input on the proposed project. Great River Energy will use its existing easement rights for the rebuild portions and acquire new easements for the reroute areas of the project.

### 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.

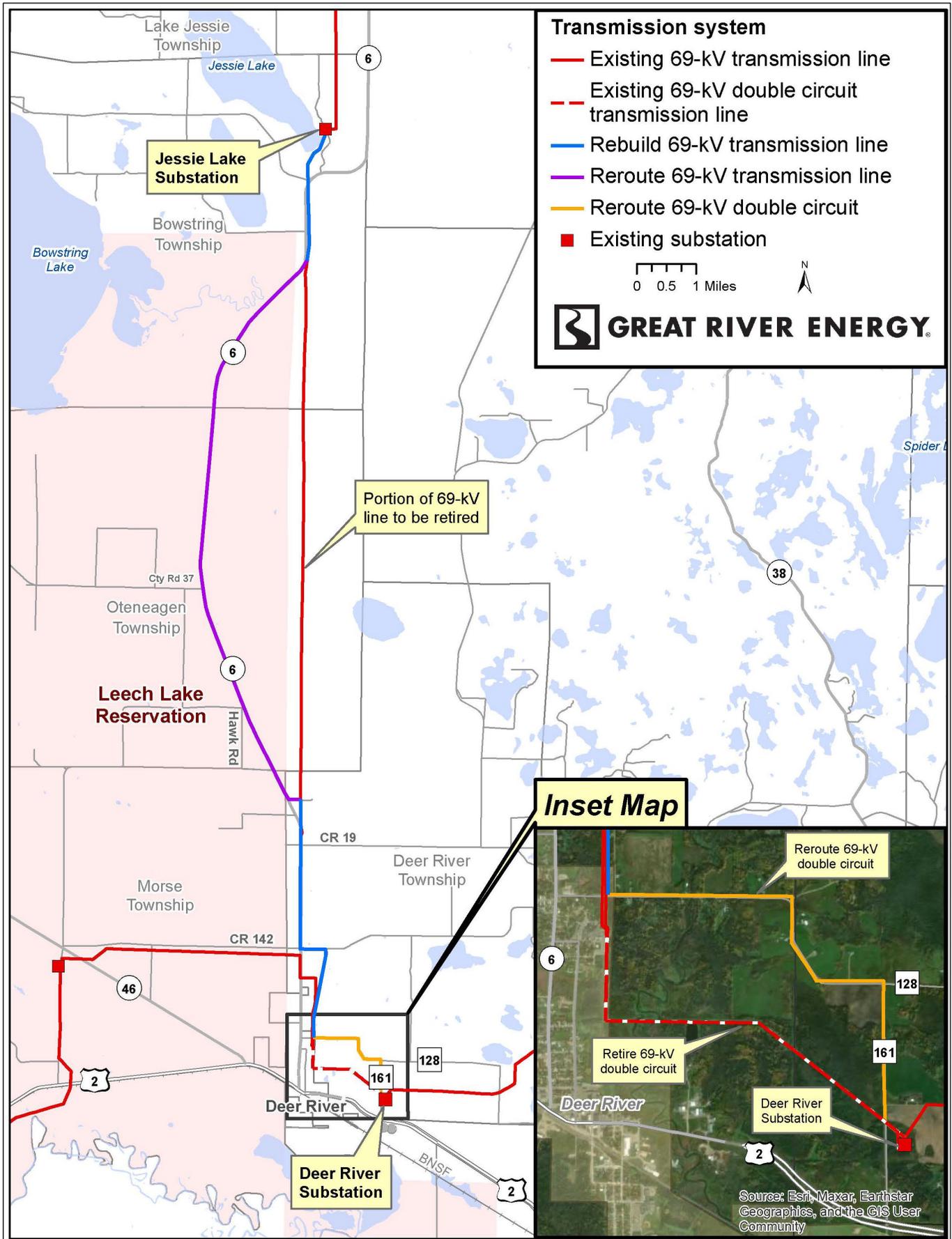
### Schedule

<b>Notifications/Open House</b>	Summer 2023
<b>Survey/Prelim Design</b>	Summer 2023
<b>Easements/ Environmental permits</b>	2023-2024
<b>Transmission line construction</b>	January 2025

### Quick facts

<b>Length</b>	– 19 miles (7-mile rebuild, 12-mile reroute)
<b>Voltage</b>	– 69-kV (69,000 volts)
<b>Structures</b>	– Wood poles, 65-75 feet above ground
<b>Spans</b>	– 300 to 350 feet apart
<b>Right of way</b>	– 100-foot-wide right of way; 50 feet on each side of the centerline

# Proposed project



## Great River Energy representatives

For project updates and information, visit [greatriverenergy.com/deerriver](http://greatriverenergy.com/deerriver) or contact:

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