

Scenic 69 kV Transmission Line and Substation

Great River Energy is proposing to construct a 69-kV electric transmission line along Itasca County Highway 7 connecting to a new North Itasca Electric Cooperative substation northeast of Brush Shanty Lake. Reliability and low voltage concerns in the Scenic area need to be addressed. Completion of this project is designed to be a long term solution to improve electric delivery and meet new demand and growth for North Itasca Electric Cooperative members.

Overview

The proposed 14-mile transmission line will connect to the new distribution substation. The transmission line route will begin at the existing substation on MN Highway 38 south of Bigfork and run east until it intersects Itasca County Highway 7, then turn south following MN Highway 7 for about 11 miles, deflecting east cross-country for two miles to County Road 340 and finally east along CR 340 for an additional mile to the substation site.

Transmission line construction will use single wood poles 65 to 75 feet above ground, placed 350 to 400 feet apart. Some specialty poles may be needed. Directional changes or angles will 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. The route mostly follows existing corridors, limiting the tree and vegetation clearing to one side.

Permitting

State of Minnesota and Itasca County permitting authorities do not require a route permit or conditional use permit for 69-kV projects. Great River Energy is and will continue to work closely with the U.S. Forest Service, Minnesota Department of Natural Resources and Itasca County Land Department to acquire the necessary federal, state and county occupation permits for the proposed route.



Typical 69-kV Circuit

Public involvement

Great River Energy encourages public involvement on its projects. A project open house will be held at the North Itasca Electric Cooperative offices in Bigfork, Minnesota. Representatives will be available to discuss the proposed route and request input and special concerns regarding individual properties.

Easements

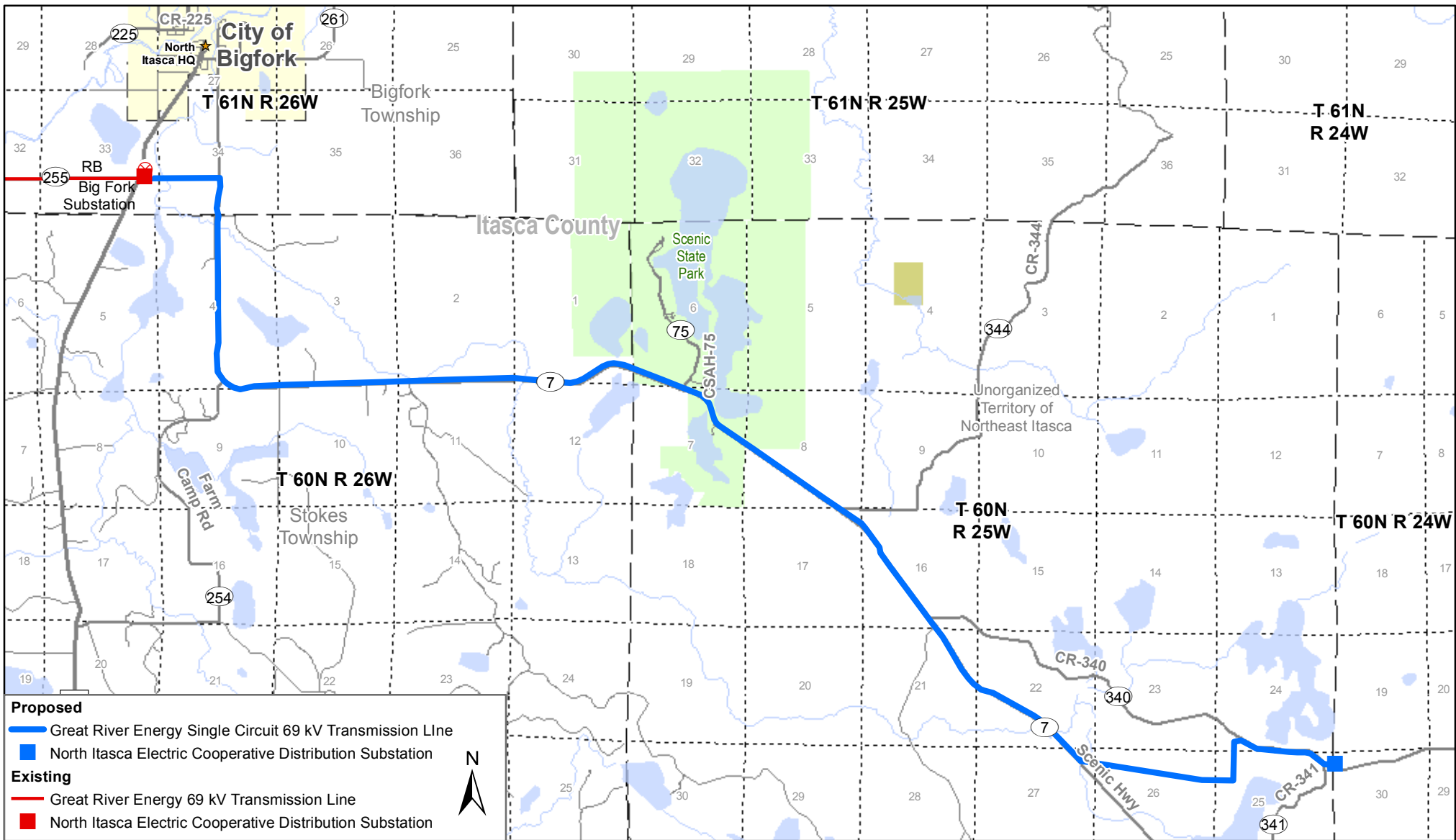
New easements will be required to construct the transmission line. After the open house and a survey is completed, landowners along the proposed transmission line route will be contacted to discuss the project, the necessary tree removal and review the easement request and compensation.

Schedule

Project Permitting	None required
Notifications	Fall 2017
Open House	October 25, 2017
Survey/design	Winter 2018 – Spring 2019
Easements/ Environmental permits	Summer 2018
Construction	Fall 2019 – Spring 2020

Quick facts

Length	– 14 miles
Voltage	– 69 kV
Structures	– Wood poles
Pole Heights	– 65 to 75 feet (above ground)
Spans	– 350 to 400 feet apart
Right of way	– 100-foot-wide right of way, 50 feet on each side of the centerline.



Great River Energy representatives

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

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About Great River Energy

Great River Energy is a not-for-profit electric cooperative providing wholesale power to 28 distribution cooperatives in Minnesota and into Wisconsin. Our member cooperatives distribute that electricity to 685,000 families, farms and businesses serving approximately 1.7 million people.