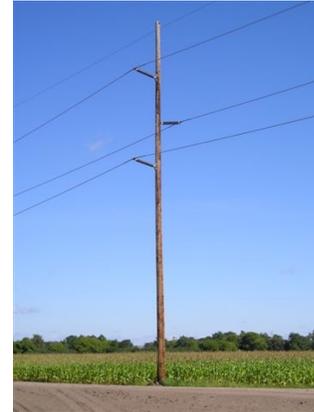


# HW 69-kV transmission line rebuild

Great River Energy, wholesale power supplier to Crow Wing Power, owns the “HW” 69-kV transmission line in Cass County. This 12.5-mile line built in the early 1950s runs east from Hackensack to the Wabedo area. Due to the age of the line, condition and wire size, its ability to provide reliable electric service to the area is greatly diminished and is a constraint on electric delivery.

Great River Energy is planning to rebuild the transmission line along the existing centerline. The existing line generally follows roadways with a few cross-country segments. Minor alignment changes may be discussed with individual landowners.



*Typical structure*

## Overview

The map on the back shows the path of the existing 69-kV transmission line to be rebuilt. Beginning at the Birch Lake Substation in Hackensack, the line runs east to 40<sup>th</sup> Ave NW then north to County State Aid Highway 5. Then it runs east along County State Aid Highway 5 for 7.5 miles to Child Lake. Here the line turns and runs cross-country south and east to County State Aid Highway 11 and continuing to the end point at the Wabedo Substation.

The transmission line will be rebuilt using single wood poles, generally 70 to 80 feet above ground, placed 350 to 400 feet apart. Some taller specialty poles and longer or shorter spans may be required. Directional changes or angles will require guy wires and anchors to stabilize poles.

## Permits and easements

Cass County ordinances do not require a conditional use permit for this rebuild project. Great River Energy will work with county, state and federal agencies to secure road crossing permits and any other required environmental or construction permits. Great River Energy welcomes project questions, comments and feedback.

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

### Schedule

Notifications/Survey	<b>Fall 2021</b>
Easements/ Environmental permits	<b>Summer 2022</b>
Engineering Design	<b>2022</b>
Transmission line construction	<b>2023</b>

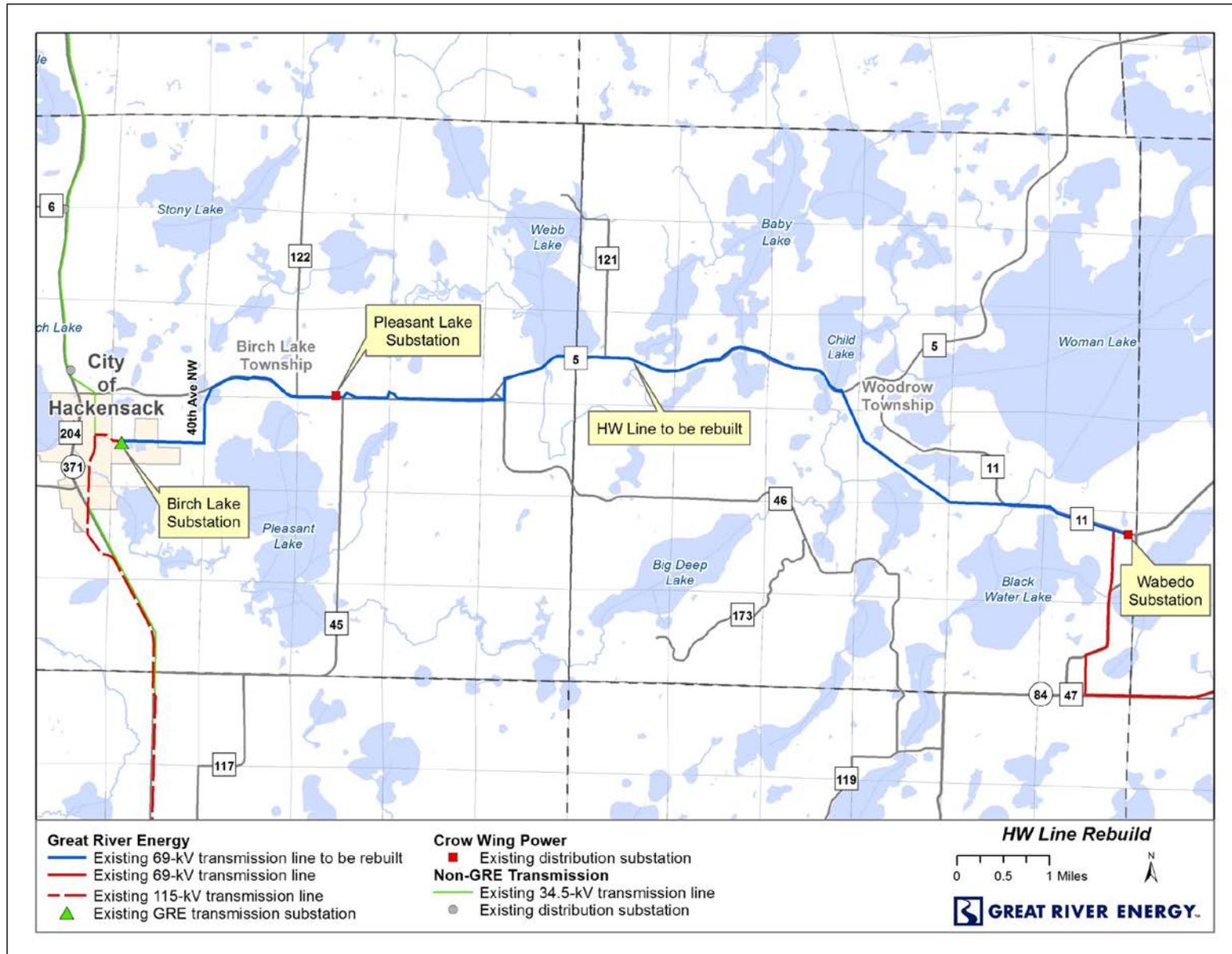
### Quick facts

Length - <b>12.5 miles</b>
Voltage - <b>69 kV</b>
Structures - <b>Wood poles</b>
Spans - <b>350 to 400 feet apart</b>
Right of way - <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 28 member-owner distribution cooperatives. Together, our systems provide power to approximately two-thirds of Minnesota geographically and parts of Wisconsin, serving 700,000 families, farms and businesses.

## Proposed project



Great River Energy representatives

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

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