

# Morris to Johnson Junction to Ortonville 115-kV Transmission Line Rebuild

Missouri River Energy Services (MRES) and Great River Energy propose to rebuild approximately 38 miles of an existing 115-kilovolt (115-kV) transmission line located in Big Stone and Stevens counties in Minnesota. Rebuilding this existing 115-kV transmission line is necessary to increase its capacity to deliver power and improve system reliability. This rebuilding project will meet transmission system needs in this area, which were identified in a recent facility study completed by the Midcontinent Independent System Operator (MISO). This study reveals that the existing transmission line conductors are sized too small to deliver the additional power generated by anticipated wind and solar projects in this area.

## Overview

This transmission rebuild project is comprised of two segments of 115-kV transmission lines: approximately 24 miles are owned by Western Minnesota Municipal Power Agency (WMMPA), and 14 miles are owned by Great River Energy. WMMPA finances the construction of transmission assets for MRES and MRES staff provides administrative services to manage and oversee WMMPA's transmission assets.

- The 38-mile project extends through a southerly area of the City of Ortonville, the townships of Ortonville, Big Stone, Otrey, Malta and Moonshine in Big Stone County, and the townships of Baker and Scott in Stevens County.
- Most structures will be two-pole, H-frame structures, except at harder angle points where a three-pole H-frame structure may be used.
- At certain points where the electric conductor wire tension must be terminated, steel poles may be utilized instead of wood poles.
- Many existing angle structures are supported by guy wires and anchors. In most cases, the new replacement structures at these locations will also be supported by guys and anchors.



*Typical 115-kV H-frame*

- New structures will be constructed in the same general location as the existing structures, except structures located near ponding or other sensitive areas. After the construction project is completed, restoration will follow. Landowners will be notified to establish fair settlement payments for any potential crop loss or other damages.

## Public involvement

Two public open house meetings will be held. The first is scheduled for 5 p.m. on Aug. 14, 2019 at the Ortonville Public Library. The second is scheduled for 3 p.m. on Aug. 15, 2019 at the Morris Senior Community Center. All interested parties are encouraged to attend an open house meeting or contact project representatives directly with questions or concerns.

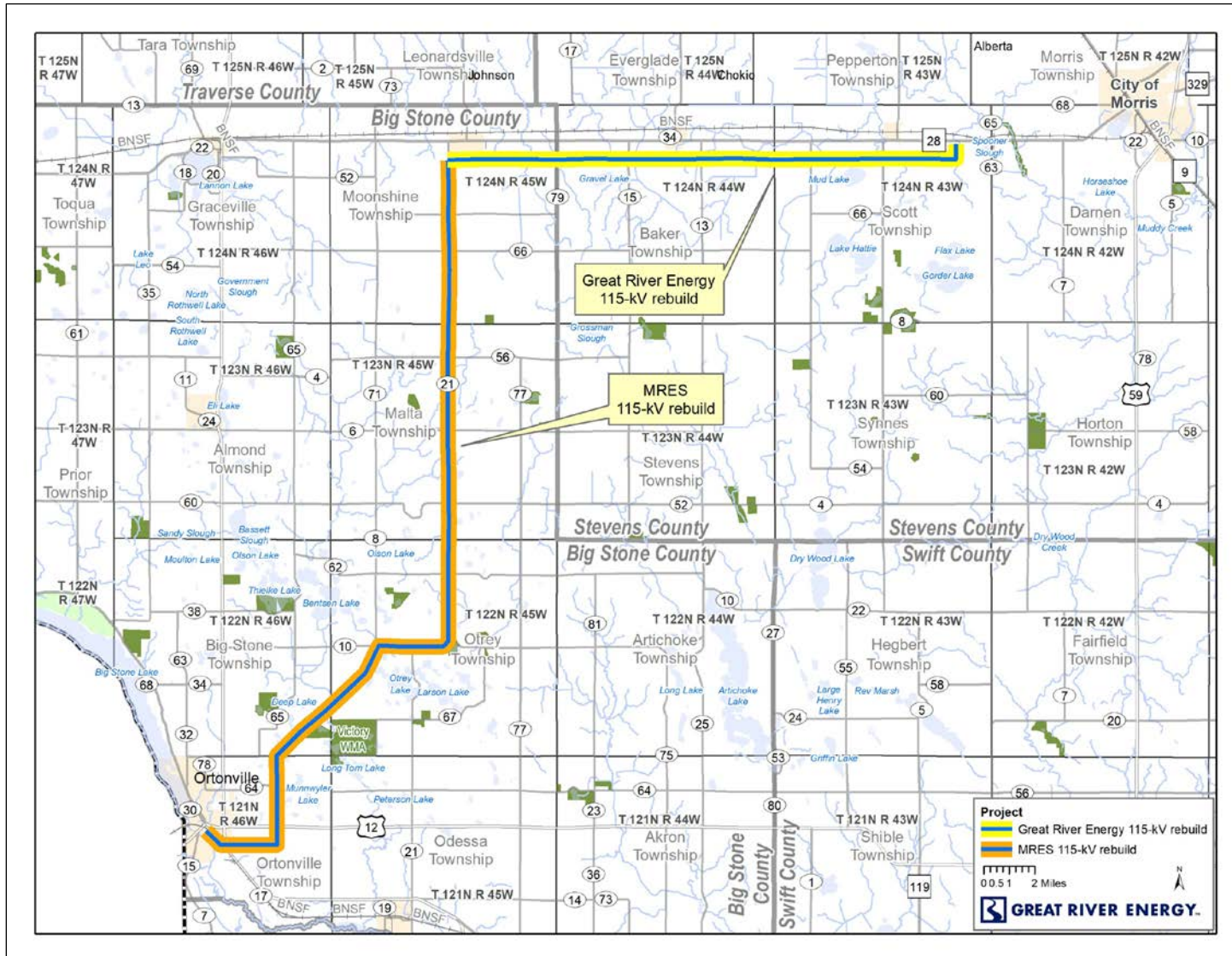
## Schedule

Project notifications	<b>Summer 2019</b>
Survey/design	<b>Summer 2019 – Winter 2020</b>
Re-define/amend existing easements	<b>Fall 2019/Winter 2020</b>
Permitting	<b>Summer 2020</b>
Transmission line construction	<b>2021</b>
In-service date	<b>December 2021</b>

## Quick facts

Length	<b>– 38 miles</b>
Voltage	<b>– 115 kV</b>
Structures	<b>– Wood or steel H-frame poles</b>
Spans	<b>– 500 to 700 feet between structures</b>
Right of way	<b>– 150-foot-wide right of way. 75 feet on each side of the transmission centerline.</b>
Easements	<b>– existing (originally executed 1950-1951)</b>

## Proposed project



## Project representatives

For project updates and information, visit [greatriverenergy.com/morris-johnson-ortonville](http://greatriverenergy.com/morris-johnson-ortonville), or contact:

**Dale Aukee Sr.** - Field Representative - Land Rights  
Great River Energy  
(763) 445-5978 or (612) 840-4019 | [daukee@grenergy.com](mailto:daukee@grenergy.com)

**Brian Zavesky, P.E.** - Senior Transmission Engineer  
Missouri River Energy Services  
(605) 330-6986 | [Brian.Zavesky@mrenergy.com](mailto:Brian.Zavesky@mrenergy.com)