

# Bull Moose 115 kV Transmission Line



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## Project Description/Need

Great River Energy, wholesale electric supplier to Crow Wing Power and 27 other electric cooperatives, proposes to construct a new overhead 115 kilovolt (kV) transmission line that is needed to provide electric power to a new petroleum pump station (Backus Station) being proposed by Enbridge Energy (Enbridge). The Enbridge pump station is part of a pipeline replacement project that will require permits from the Minnesota Public Utilities Commission.

## Proposed Project

The 2.5-mile transmission line (see map on back for proposed route) would interconnect with an existing Minnesota Power (MP) 115 kV transmission line approximately four miles southwest of the City of Backus. From there the line would run northeast for one quarter mile to the existing  $\pm 250$  kV Direct Current (DC) transmission line owned by MP. The line would then run east for 2.25 miles, paralleling the DC Line (on the south side). From there the line would turn north and cross under the DC line to terminate at the proposed pump station location just west of 48<sup>th</sup> Ave SW.

The proposed transmission line will consist of wood poles that are 350 to 400 feet apart and 70 to 80 feet above ground. Guy wires and anchors, when necessary, will be used to stabilize poles. Some specialty poles may also be required. The new transmission line will require a 100-foot-wide right of way, 50 feet on each side of the centerline. Trees and vegetation in the right of way will be removed to provide a safe construction, operation and maintenance area.

## Permitting

Great River Energy submitted a route permit application for the proposed Project to the Minnesota Public Utilities Commission (MPUC) on August 7, 2015. During the route permit process, the public and regulatory agencies will have numerous opportunities to provide input on the proposed Project, including public meetings facilitated by MPUC and Department of Commerce Energy Environmental Review and Analysis (DOC EERA) staff. The DOC EERA will prepare an Environmental Assessment (EA) for the Project. Construction cannot begin until an approved route permit is granted by the MPUC.



*Typical 115 kV  
Transmission Structure*

## Easements/Trees

Once the project has been approved, Great River Energy will contact landowners to present an easement and offer of compensation. At that time, information will also be shared on tree removal, construction access and practices, and restoration of the right of way.

## Project Schedule

Public contacts and/or notifications -----	2 <sup>nd</sup> quarter 2015
Project permitting -----	Summer 2015 to winter 2016
Survey/design -----	Winter 2015/2016
Easement acquisition/right-of-way permits -----	Spring 2016
Transmission line construction -----	Starts 4 <sup>th</sup> quarter 2016
Energization -----	Spring 2017

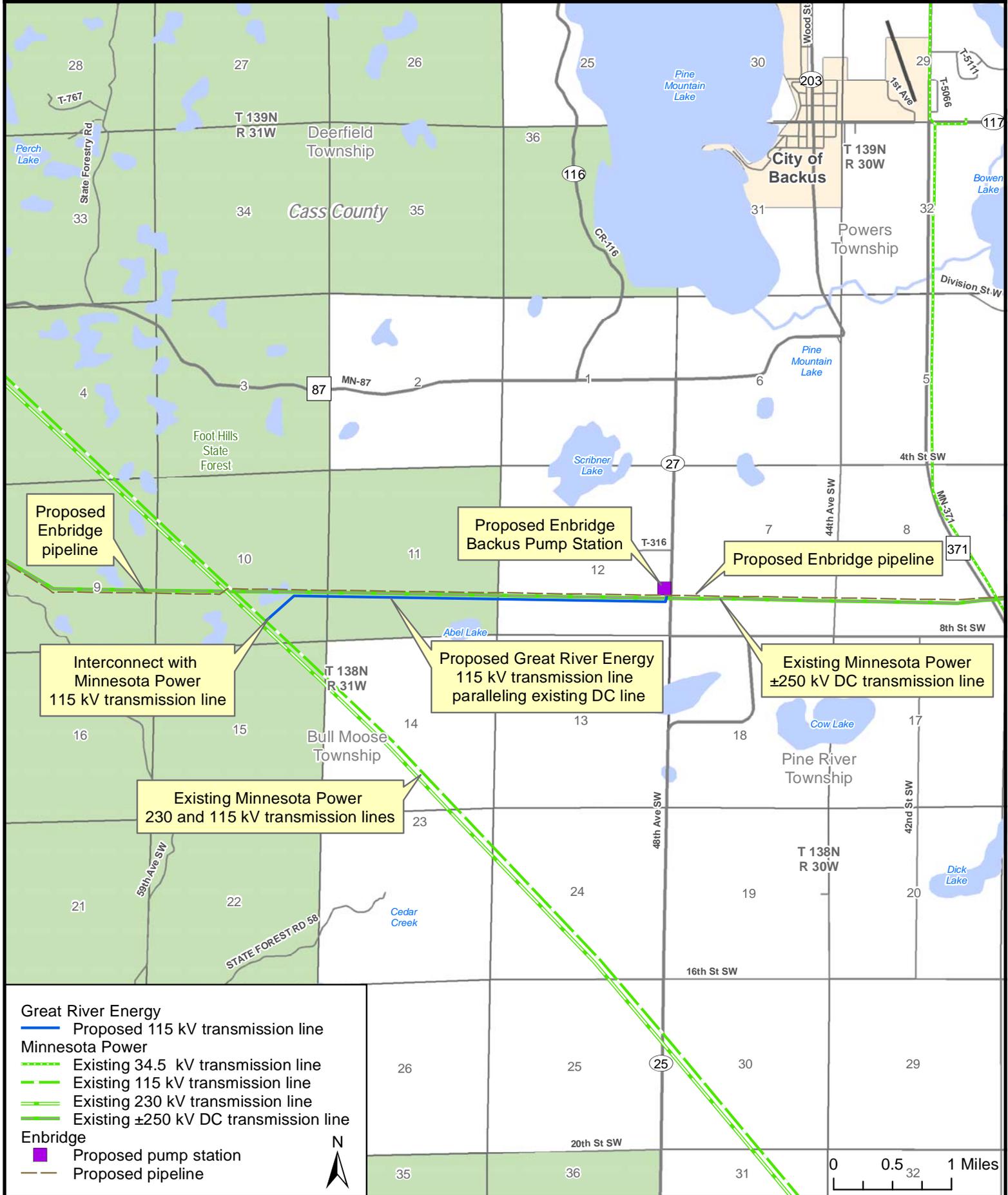
**For project updates and information, visit [greatriverenergy.com/bullmoose](http://greatriverenergy.com/bullmoose) or contact:**

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# Proposed Project



- Great River Energy
  - Proposed 115 kV transmission line
- Minnesota Power
  - - - Existing 34.5 kV transmission line
  - - - Existing 115 kV transmission line
  - - - Existing 230 kV transmission line
  - - - Existing ±250 kV DC transmission line
- Enbridge
  - Proposed pump station
  - - - Proposed pipeline

