

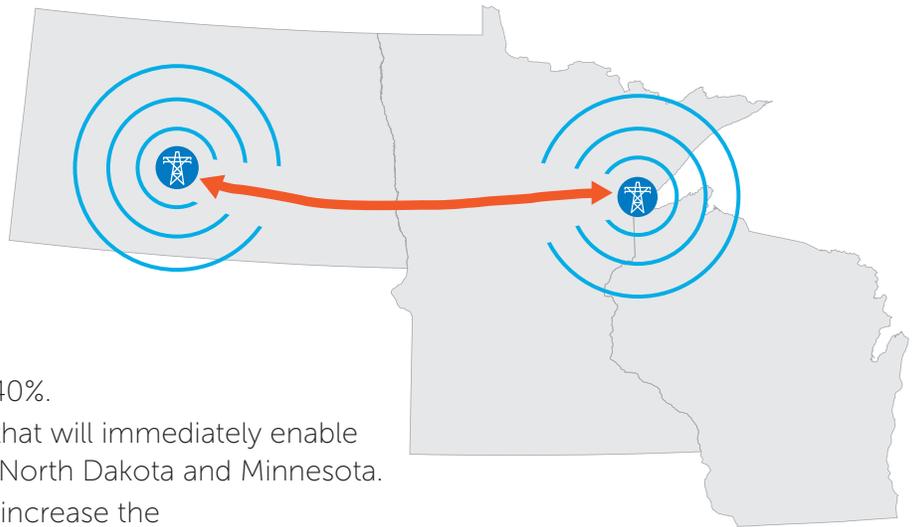
# HVDC MODERNIZATION PROJECT

## About the Project

Minnesota Power is modernizing its 465-mile HVDC transmission line that connects the plains of North Dakota to Northeastern Minnesota. This existing transmission corridor has been serving the Upper Midwest for over 40 years and

**Minnesota Power is using this unique opportunity to:**

- Upgrade the existing line capacity by 40%.
- Create a larger transmission highway that will immediately enable the transfer of more energy between North Dakota and Minnesota.
- Utilize the latest HVDC technology to increase the reliability of the grid in both Minnesota and North Dakota.



**With an anticipated 2027 in-service, Phase 1 of this visionary \$700 million dollar project will:**

- Position it for further expansion with expandable, modular technology.
- Establish the transmission corridor as an essential building block for reliably moving energy across the Upper Midwest.
- Create new construction jobs and additional long-term tax base in North Dakota and Minnesota.

## Project Benefits | Once complete, this modern transmission highway will:

- **Augment reliability** and system stability in largely rural North Dakota and Minnesota
- **Increase access** to additional clean energy transfer with limited land impact
- **Optimize energy resources** in North Dakota and Minnesota with bidirectional power flow across the line
- **Be expandable**, for efficiently developing up to a **3,000 megawatt** corridor to further optimize regional energy flows
- **Align with MISO, FERC and Department of Energy** goals for regional transmission expansion

## Project Attributes



## Timeline

