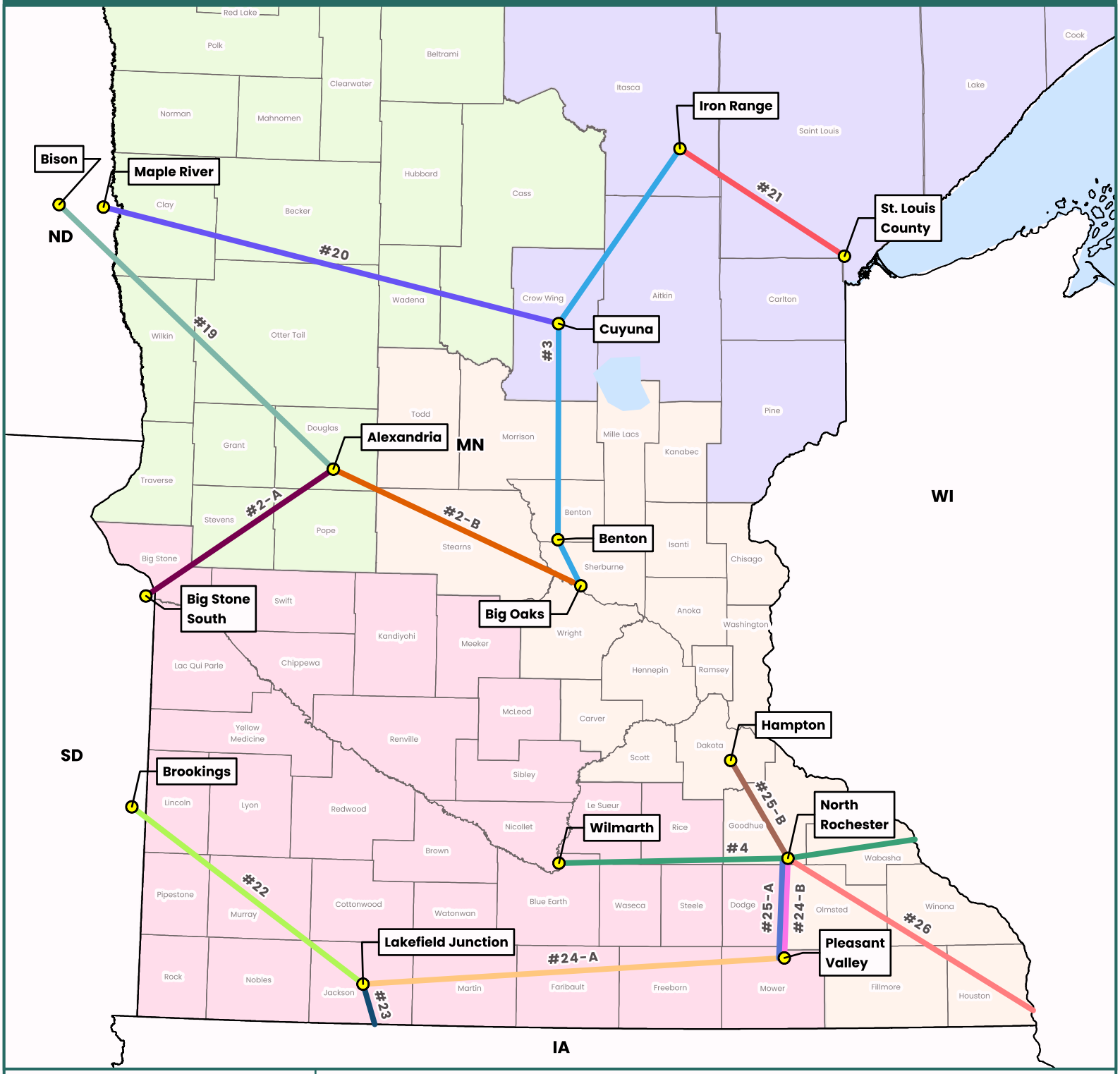
MISO Long Range Transmission Planning Projects



- Substation
- #2-A Big Stone South-Alexandria-Big Oaks (West Segment)
- #2-B Big Stone South-Alexandria-Big Oaks (East Segment)
- #3 Northland Reliability Project
- #4 Mankato to Mississippi
- #19 Bison to Alexandria
- #20 Maple River - Cuyuna Project
- #21 Iron Range - St. Louis County - Arrowhead Project
- #22 PowerOn Midwest Brookings - Lakefield Junction
- #23 PowerOn Midwest Lakefield Junction - Iowa
- #24-A PowerOn Midwest Lakefield Junction - Pleasant Valley
- #24-B PowerOn Midwest Pleasant Valley - North Rochester
- #25-A PowerOn Midwest Pleasant Valley - North Rochester
- #25-B PowerOn Midwest North Rochester - Hampton
- #26 Gopher to Badger Line

DNR Region

- Central
- Northeast
- Northwest
- South

Disclaimer:
This map is for discussion purposes only. These lines DO NOT represent proposed routes.

This map is based on the approved MISO Tranche 1 and 2.1 list of projects available at: https://www.misoenergy.org/planning/long-range-transmission-planning/

Date: 11/24/2025

LRTP Number/Project Name	Description	Utility Partners	Lead Utility	Utility PM	Consultant	Consulant PM	Route Permit Application - Est	Website
#2A **Big Stone South-Alexandria**-Big Oaks (West Segment)	New 345 kV	Otter Tail Power Company and Western Minnesota Municipal Power Agency, through its agent, Missouri River Energy Services	Otter Tail Power	Josh Humburg	HDR	Jen Hanley	September 4, 2025, draft EIS issued.	https://www.bigstonesouthtoalexandria.com/
#2B Big Stone South-**Alexandria-Big Oaks** (East Segment)	Second Circuit 345 kV	Great River Energy, Minnesota Power, Missouri River Energy Services, Otter Tail Power Company, Xcel Energy	Xcel Energy	Allison Ray	Barr		October 31, 2024, permit issued.	https://www.alexandriatobigoaks.com/
#3 Northland Reliability Project	New Double Circuit 345kV	Minnesota Power and Great River Energy	Minnesota Power & Great River Energy	Brian Hunker and Dan McCourtney	HDR	Pam McWharter	Feburary 28, 2025, permit issued.	https://northlandreliabilityproject.com/
#4 Mankato to Mississippi	New 345 kV and 161 kV	Xcel Energy, Dairyland Power Cooperative, Rochester Public Utility, Southern Minnesota Municipal Power Agency	Xcel Energy	Ellen Heine	HDR	Joe Sedarski	August 12, 2026, final EIS issued.	https://mmrtproject.com/
#19 Bison to Alexandria	Second Circuit 345 kV	Great River Energy, Minnesota Power, Missouri River Energy Services, Otter Tail Power Company, Xcel Energy	Xcel Energy	Allison Ray	Stantec	Allison Ray	1Q 2026 (Route Permit Amendment)	https://fargotoalexandria.com/
#20 Maple River - Cuyuna Project	New 345 kV	Minnesota Power, Otter Tail Power Company, Great River Energy	Minnesota Power	Drew Janke	Merjent	Mandy Bohnenblust	Second half of 2026.	https://mrctransmissionproject.com/
#21 Iron Range - St. Louis County - Arrowhead Project	New 345 kV	Minnesota Power, American Transmission Company	Minnesota Power	Drew Janke	Merjent	Dan Flo	Combined Certificate of Need and Route Permit will be submitted on or before February 6, 2026.	https://isatransmissionproject.com/
#22 PowerOn Midwest Brookings - Lakefield Junction	New 765 kV	Xcel Energy, ITC Midwest	Xcel Energy	Tim Rogers	Barr	Aaron Mielke	No earlier than 1Q 2027	https://www.poweronmidwest.com/sd-lakefield/
#23 PowerOn Midwest Lakefield Junction - Iowa	New 765 kV	ITC Midwest	ITC Midwest	Mark Rothfork	HDR	Dan Schmidt	No earlier than 1Q 2027	https://www.poweronmidwest.com/lakefield-ia/
#24A PowerOn Midwest Lakefield Junction - Pleasant Valley	New 765 kV	Great River Energy, ITC Midwest	Great River Energy	Dan Lesher	Merjent	Britta Bergland	No earlier than 1Q 2027	https://www.poweronmidwest.com/lakefield-pv-nr/
#24B PowerOn Midwest Pleasant Valley - North Rochester	New 765 kV	Great River Energy, Xcel Energy	Great River Energy	Dan Lesher	Merjent	Britta Bergland	No earlier than 1Q 2027	https://www.poweronmidwest.com/lakefield-pv-nr/
#25A PowerOn Midwest Pleasant Valley - North Rochester	Second Circuit 345 kV	Xcel Energy	Xcel Energy	Andrew Welch	Merjent	Britta Bergland	No earlier than 1Q 2027	https://www.poweronmidwest.com/pv-nr-hampton/
#25B PowerOn Midwest North Rochester - Hampton	Second Circuit 345 kV	Xcel Energy	Xcel Energy	Andrew Welch	HDR	Joe Sedarski	No earlier than 1Q 2027	https://www.poweronmidwest.com/pv-nr-hampton/
#26 Gopher to Badger Line	New 765 kV	Xcel Energy, Dairyland Power Cooperative, GridLiance	Xcel Energy (Certificate of Need) Dairyland Power Cooperative (Routing)	Ellen Heine (Xcel) Michael Peters (DPC)	Merjent	Kristin Lenz		