



MTEP26 Project Information

Northern States Power Company ; Central Minnesota Municipal Power Agency ;
Minnesota Municipal Power Agency

2nd West Subregional Planning Meeting

Wednesday, June 3, 2026

Purpose & Key Takeaway

Purpose

Review and discuss submitted MTEP26 projects

Key Takeaways

- The [MTEP Portal](#) was used to gather information and develop SPM materials. All data was pulled on May 15, 2026. To view all MTEP project details, please visit the [MTEP Portal](#).
- Additionally, quarterly status reports are available on the [MTEP website](#) under *Project Tracking and Monitoring*

West Region Overview

The details of the projects and their costs per West Region TO are shown below:

- Northern States Power Company (NSP): 43 submitted projects at an estimated cost of \$656 million
- Central Minnesota Municipal Power Agency (CMMPA): 1 submitted projects at an estimated cost of \$28 million
- Minnesota Municipal Power Agency (MMPA) did not submit projects for consideration in MTEP26

Update on Current Cycle Projects since SPM1

MTEP Project ID	Project Name	Project Type	Project Change
50761	Rest Lake - Presque Isle Upgrades	Other – Local Reliability	Project cost increased from \$57M to \$59.8M, Project Type changed from 'Other – Load Growth' to 'Other – Local Reliability'
50840	Mondovi Substation	Other – Local Reliability	Project Type changed from 'Other – Load Growth' to 'Other – Local Reliability'
50857	Zumbrota Area Distribution Substation	Other – Local Reliability	Project Type changed from 'Other – Load Growth' to 'Other – Local Reliability'
50861	Eau Claire - DC Redundancy	Other – Local Reliability	Project Type changed from 'BRP' to 'Other – Local Reliability'
51166	Shetek Substation	Other – Local Reliability	Project Type changed from 'Other – Load Growth' to 'Other – Local Reliability'

NORTHERN STATES POWER COMPANY

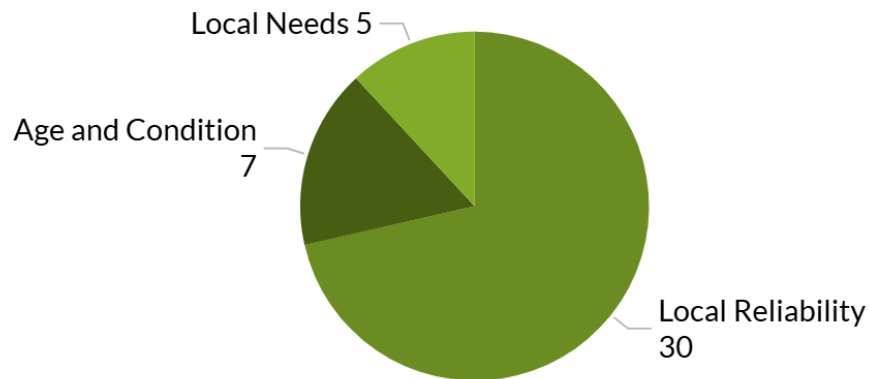
MTEP26 Projects



43
Total Projects

\$656M
Investment

Breakdown of Other Project Types By Project Count



Line Miles by Voltage Level

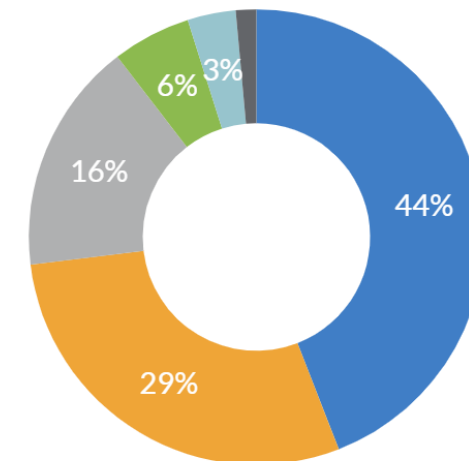
● ≤161 kV

100%

Project Facility Types

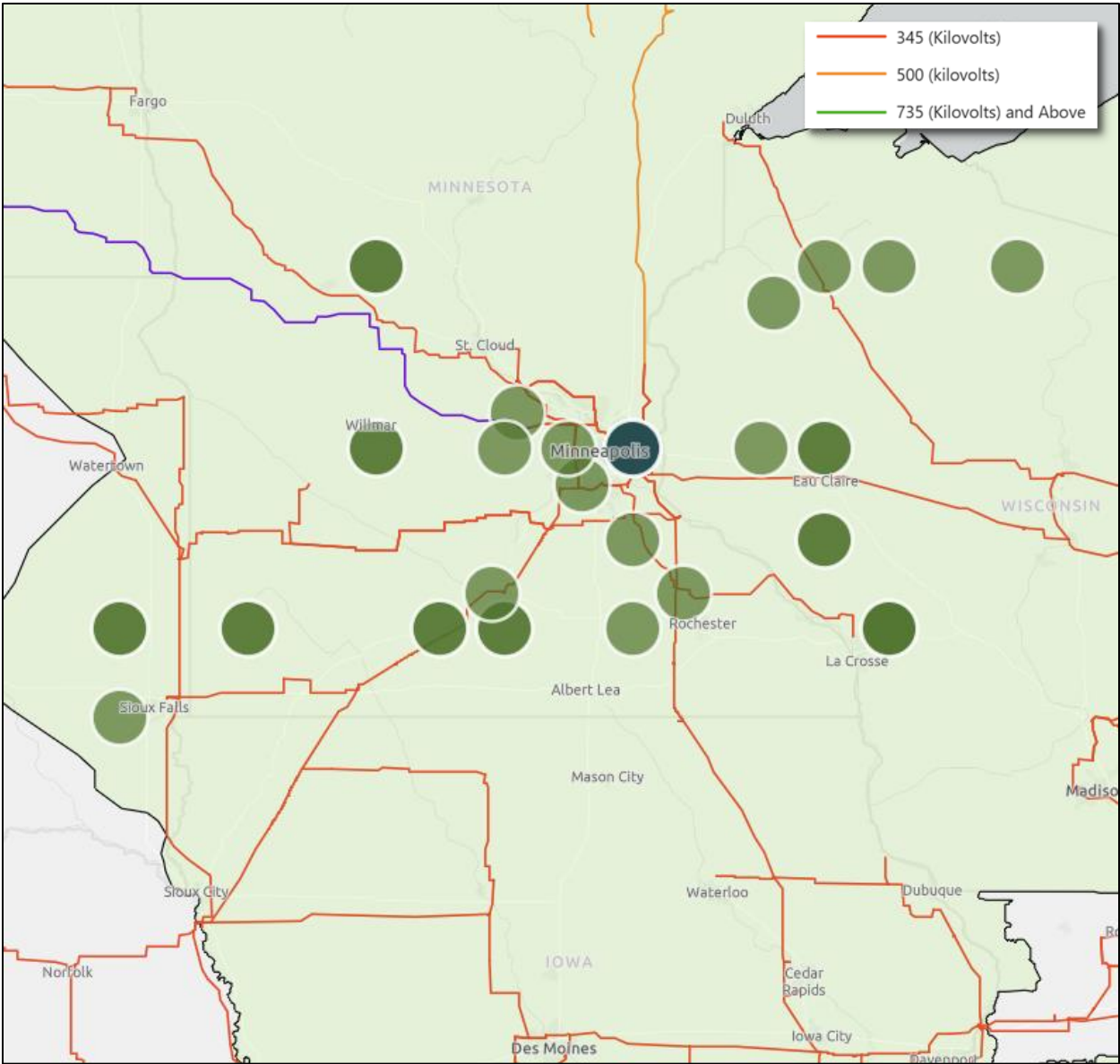
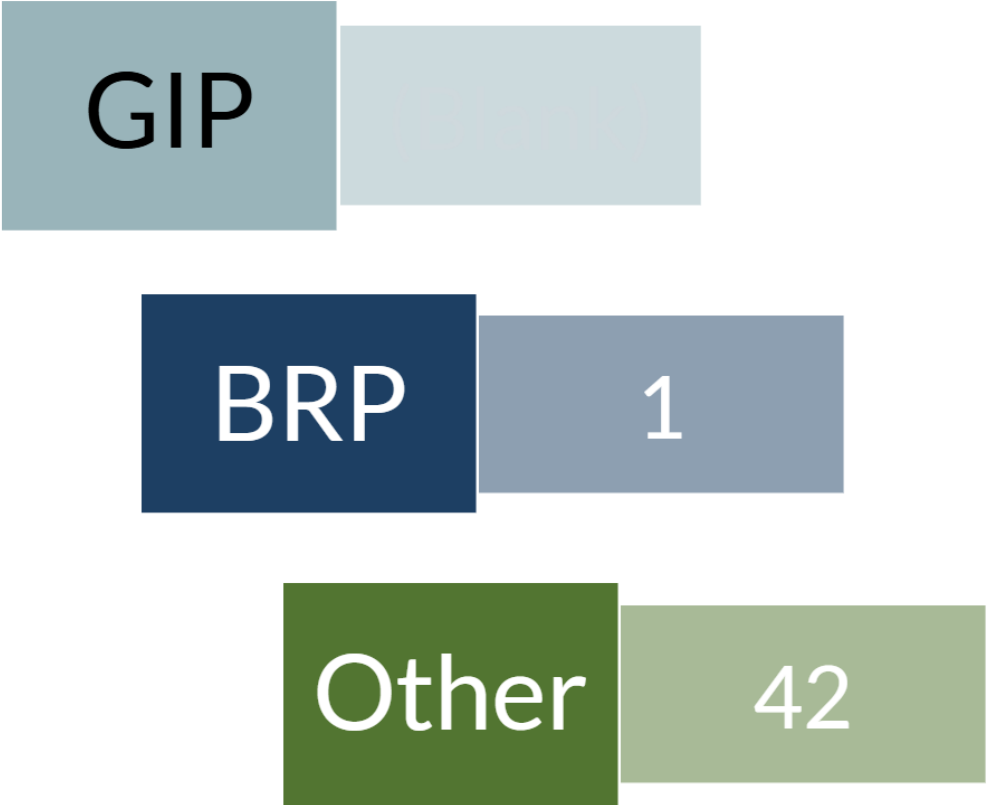
As a Percentage of Cost

● Line Upgr... ● Misc. ● Substation ● Line New ● Transfor... ● Voltage ...

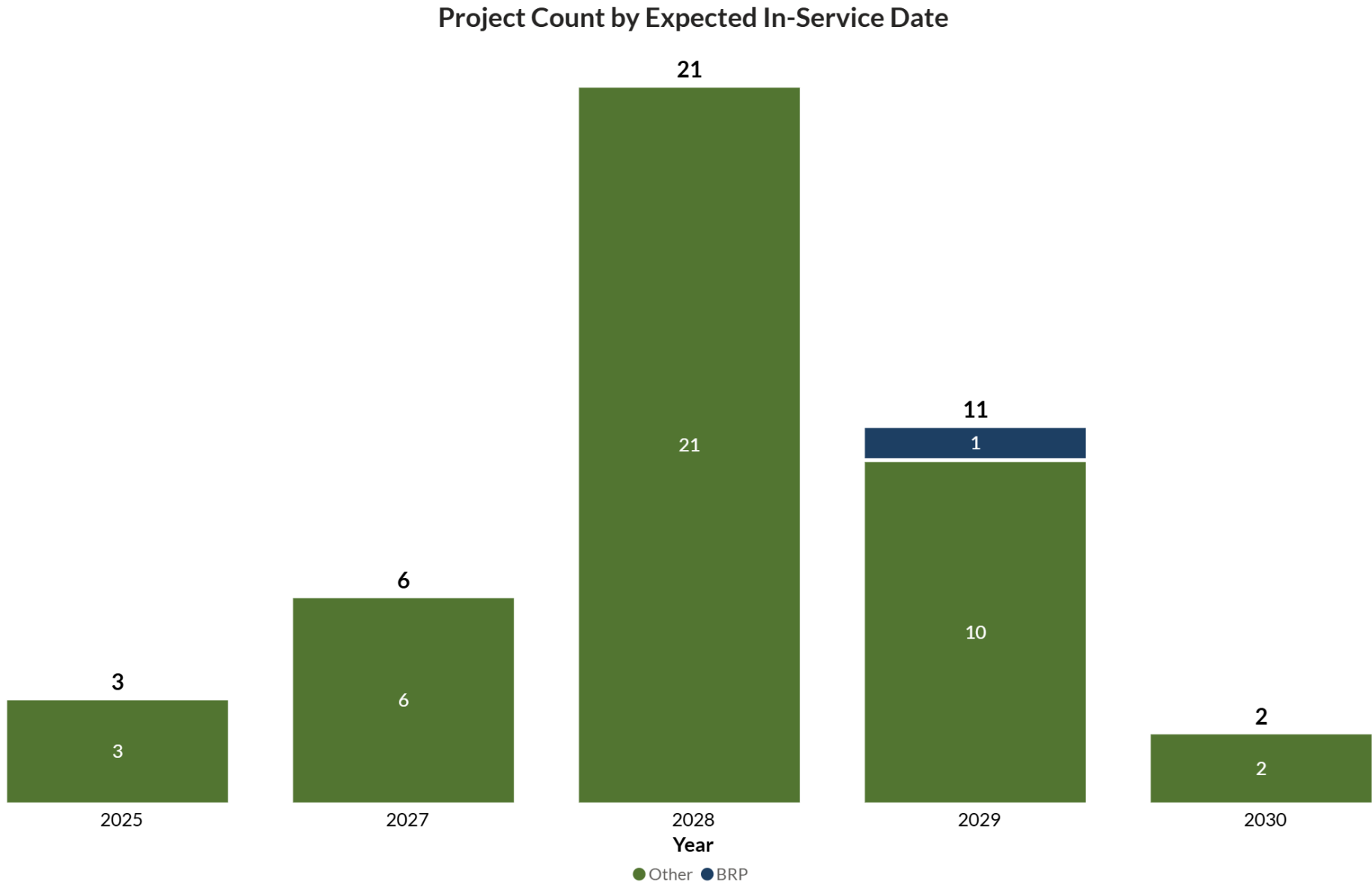


XEL MTEP26 Project Type Breakdown

NORTHERN STATES POWER COMPANY MTEP26 Summary



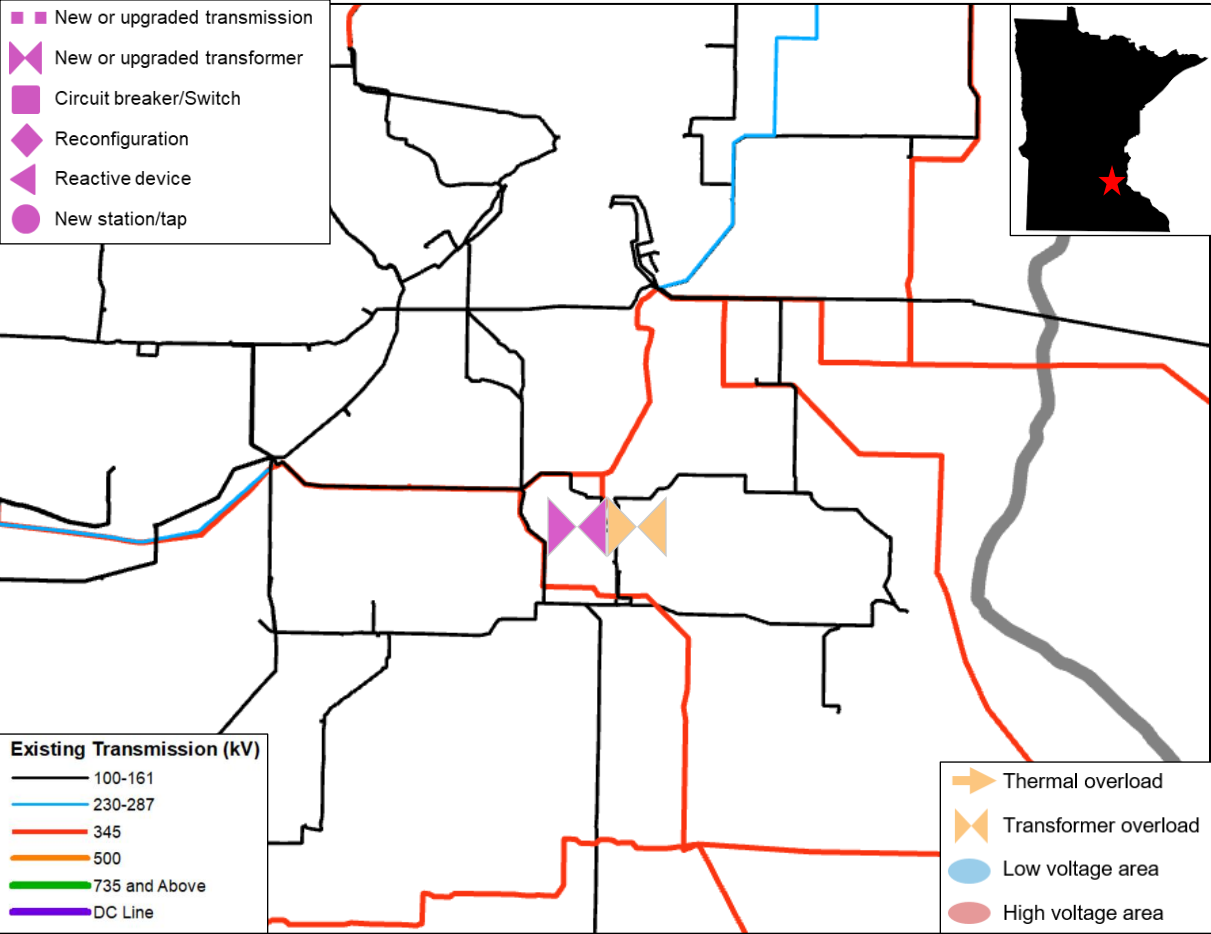
XEL MTEP26 ISD Breakdown



Baseline Reliability Projects (BRPs)

Baseline Reliability Project

Details for Inverhills TR10



MTEP Project ID	51095
Project Name	Inverhills TR10
Project Type	BRP
Project Description	Install 2nd 345kV/115kV transformer at Inverhills.
System Need	Mitigates N-1-1 overload conditions.
Current Cost	\$15.0 M
Expected ISD	06/01/2029
Target Appendix	A

Baseline Reliability Project

Details for Inverhills TR10

- Transformer 9 at [XEL] Inver Hills 345/115 kV overloads under certain N-1-1 conditions in high wind scenarios because of load growth in the area. Adding a second transformer at the substation resolves these overloads.

MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	[XEL] Inver Hills 345/115 kV Transformer 9	102	61

Preliminary Recommendation: Move to Appendix A

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
18008	Ashland to Ironwood 88kV	Local Reliability	08/15/2028	\$190.0 M
50761	Rest Lake - Presque Isle Upgrades	Local Reliability	02/28/2027	\$59.8 M
50815	Mankato Area 115kV Rebuilds	Local Reliability	12/31/2028	\$25.0 M
50816	Yellow River Substation Rebuild	Age and Condition	10/15/2029	\$6.5 M
50819	Arden Hills - Lexington Rebuild	Local Reliability	12/01/2029	\$1.1 M
50820	Douglas County 115kV Cap Bank Replacement	Local Reliability	12/31/2029	\$2.0 M
50821	Koch Cap Bank Replacement	Local Reliability	12/31/2029	\$3.5 M
50823	Lester Prairie Area Substation	Local Reliability	03/31/2030	\$11.2 M
50825	Black Dog - Burnsville 115kV Rebuild	Local Reliability	12/01/2030	\$7.0 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50827	Maynard TR1 Replacement	Local Reliability	12/31/2029	\$4.0 M
50831	Catawba Area Substation	Local Reliability	10/15/2028	\$6.3 M
50837	Eau Claire - Sterling 69kV structure replacement	Age and Condition	12/01/2027	\$1.0 M
50838	Southtown Substation ELR Upgrade	Age and Condition	12/31/2029	\$10.0 M
50840	Mondovi Substation	Local Reliability	03/30/2029	\$8.2 M
50843	Cashton Substation Rebuild	Age and Condition	02/28/2028	\$7.3 M
50845	Black Dog - Southtown 115kV Rebuild	Age and Condition	04/01/2029	\$35.5 M
50846	Wilmarth - Franklin 115kV Upgrade	Local Reliability	12/31/2028	\$93.2 M
50854	Bird Island - Minnesota Valley 69kV Rebuild	Local Needs	12/01/2029	\$55.5 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50856	Eau Claire - Truax 69kV Rebuild	Local Needs	04/30/2027	\$2.5 M
50857	Zumbrota Area Distribution Substation	Local Reliability	12/26/2029	\$10.2 M
50860	Red Cedar - DC Redundancy	Local Reliability	01/01/2028	\$0.2 M
50861	Eau Claire - DC Redundancy	Local Reliability	01/01/2028	\$0.3 M
50862	Stone Lake - DC Redundancy	Local Reliability	01/01/2028	\$0.1 M
50863	Tremval - DC Redundancy	Local Reliability	01/01/2028	\$0.3 M
50864	Long Lake - DC Redundancy	Local Reliability	01/01/2028	\$0.2 M
50865	Gleason Lake - DC Redundancy	Local Reliability	01/01/2028	\$0.1 M
50866	Fort Ridgely - DC Redundancy	Local Reliability	01/01/2028	\$0.3 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
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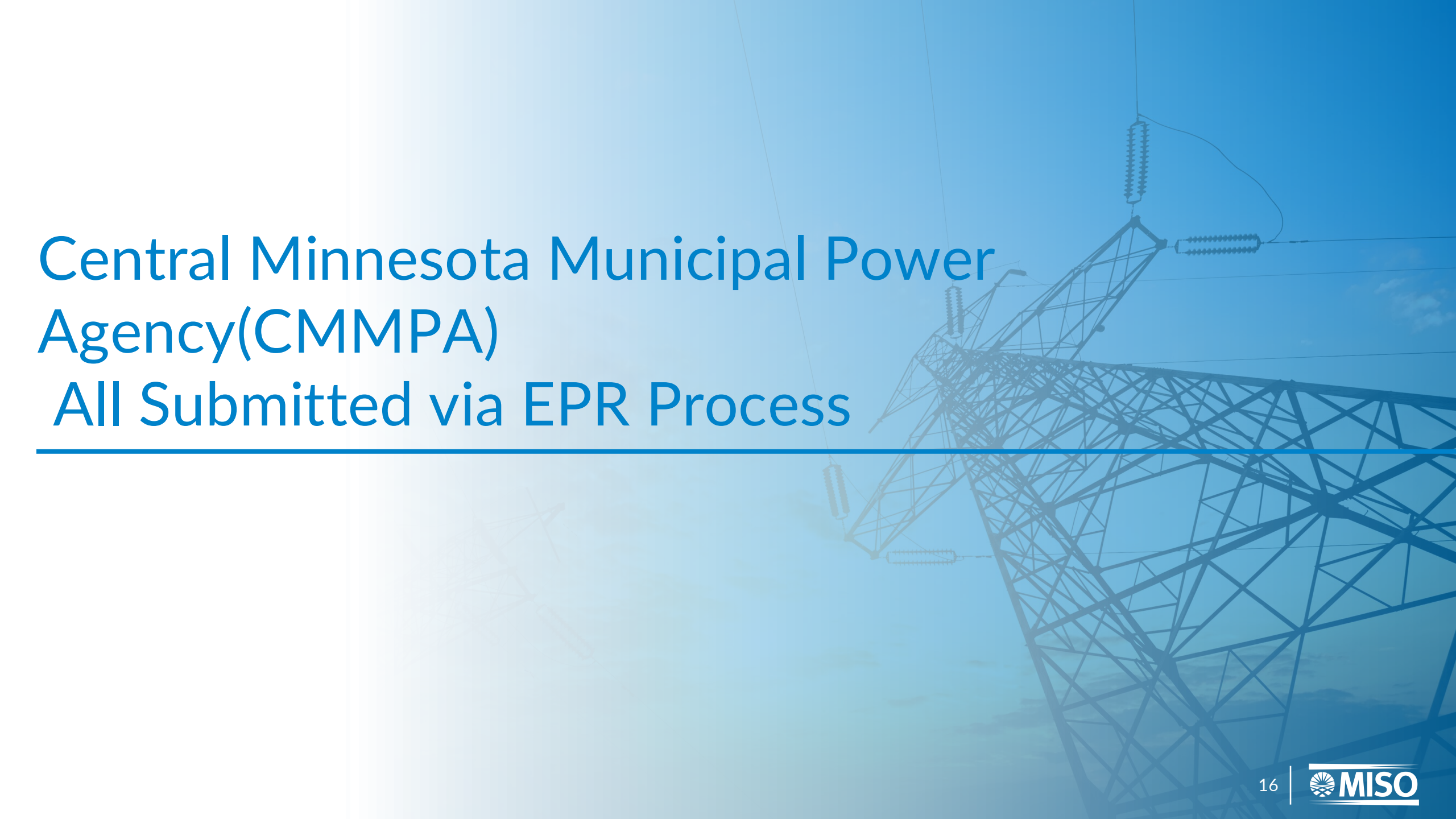
Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50868	Eastwood - DC Redundancy	Local Reliability	01/01/2028	\$0.1 M
50870	Colvill - DC Redundancy	Local Reliability	01/01/2028	\$0.3 M
50871	Cherry Creek - DC Redundancy	Local Reliability	01/01/2028	\$0.1 M
50872	Lake Yankton - DC Redundancy	Local Reliability	01/01/2028	\$0.1 M
50874	Wilmarth - DC Redundancy	Local Reliability	01/01/2028	\$0.1 M
50878	Nobles - DC Redundancy	Local Reliability	01/01/2028	\$0.1 M
50879	Grant - Mitchell 115kV Rebuild	Age and Condition	12/01/2028	\$36.2 M
50880	Cherry Creek - Grant 115kV Rebuild	Age and Condition	12/01/2027	\$36.4 M
50881	Blue Lake TR1 Replacement	Local Reliability	05/30/2028	\$3.5 M

Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
51076	Wagon Wheel Substation	Local Reliability	09/11/2025	\$3.5 M
51077	Glenwood Capacitor Addition	Local Reliability	09/11/2025	\$4.0 M
51078	Kohlman Lake Switch Upgrade	Local Needs	08/14/2025	\$1.5 M
51166	Shetek Substation	Local Reliability	04/28/2028	\$13.0 M
51193	Buffalo Power Station 2 Interconnection	Local Needs	04/30/2027	\$0.1 M
51194	East Shakopee Interconnection	Local Needs	04/30/2027	\$0.1 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.



Central Minnesota Municipal Power Agency(CMMPA) All Submitted via EPR Process

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Questions?



MISO is the electric grid operator for the central United States. We ensure power flows reliably and affordably across 15 states and the Canadian province of Manitoba. Additionally, MISO facilitates the buying and selling of electricity in its region and partners with its stakeholders to plan the grid of the future.

45 million people depend upon the work we do and the service we provide 24/7/365.

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