



MTEP26 Project Information

Minnesota Power Inc. ; Otter Tail Power Company ; Minnkota Power Cooperative

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:

- Minnesota Power Inc.(MP) : 8 submitted projects at an estimated cost of \$25 million
- Otter Tail Power Company (OTP): 9 submitted projects at an estimated cost of \$9 million
- Minnkota Power Cooperative (MPC): 4 submitted projects at an estimated cost of \$34 million

Minnesota Power (MP)

MINNESOTA POWER INC.

MTEP26 Projects

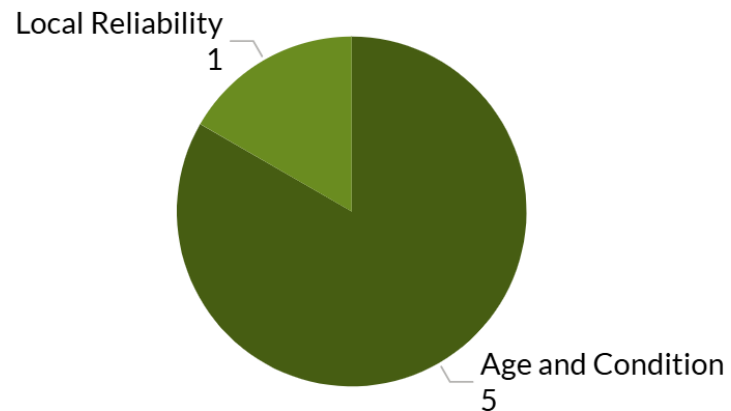


8
Total Projects

\$25M
Investment

Breakdown of Other Project Types

By Project Count



Line Miles by Voltage Level

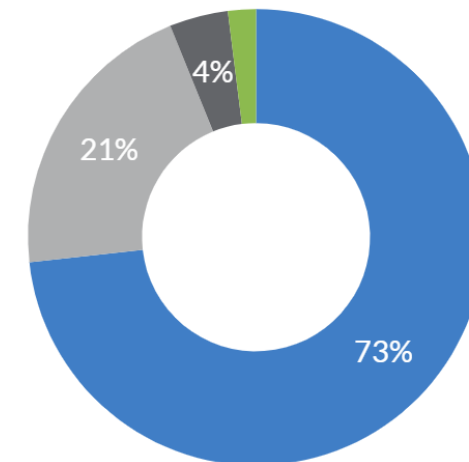
● ≤161 kV ● 230 kV

100%

Project Facility Types

As a Percentage of Cost

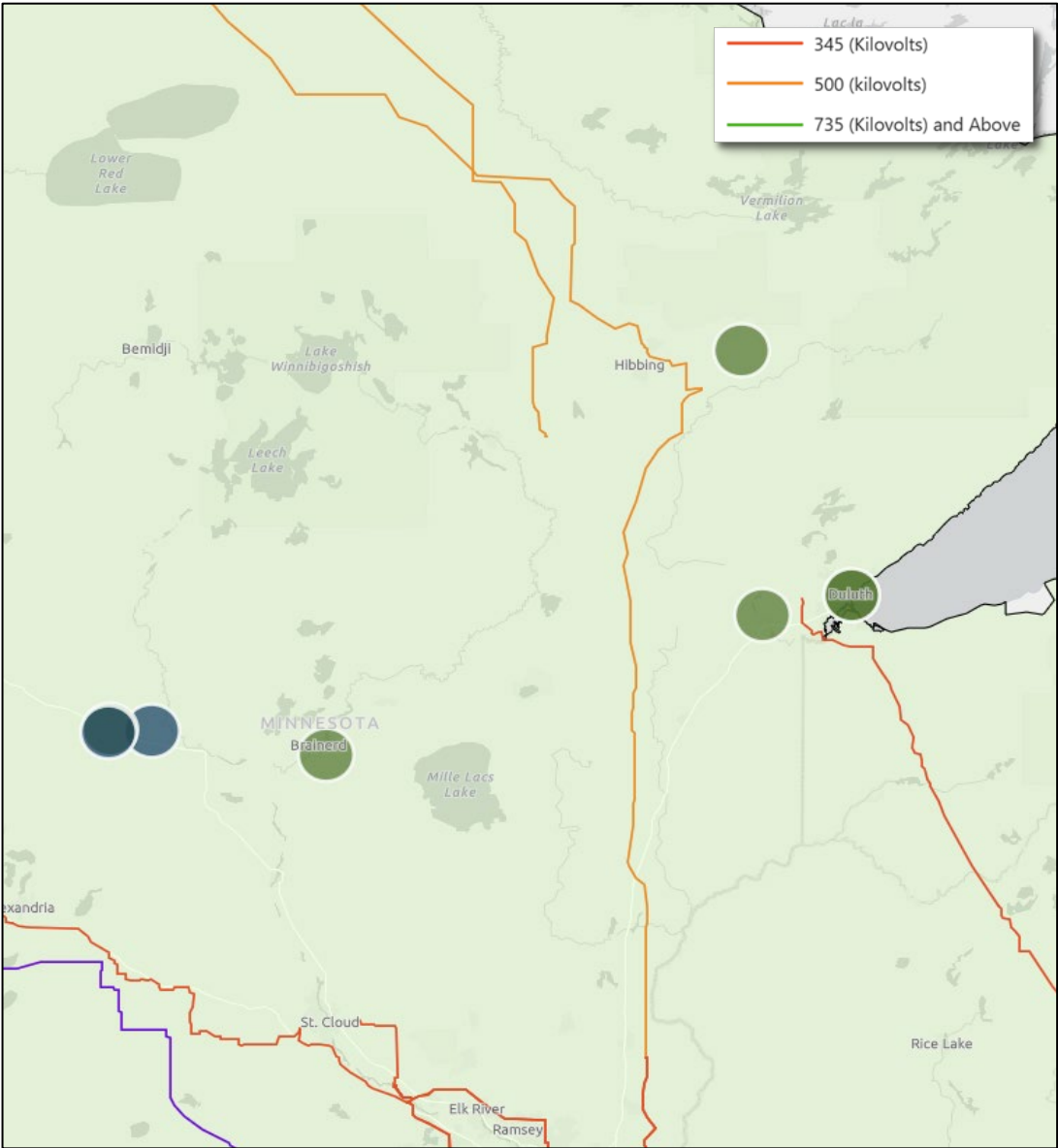
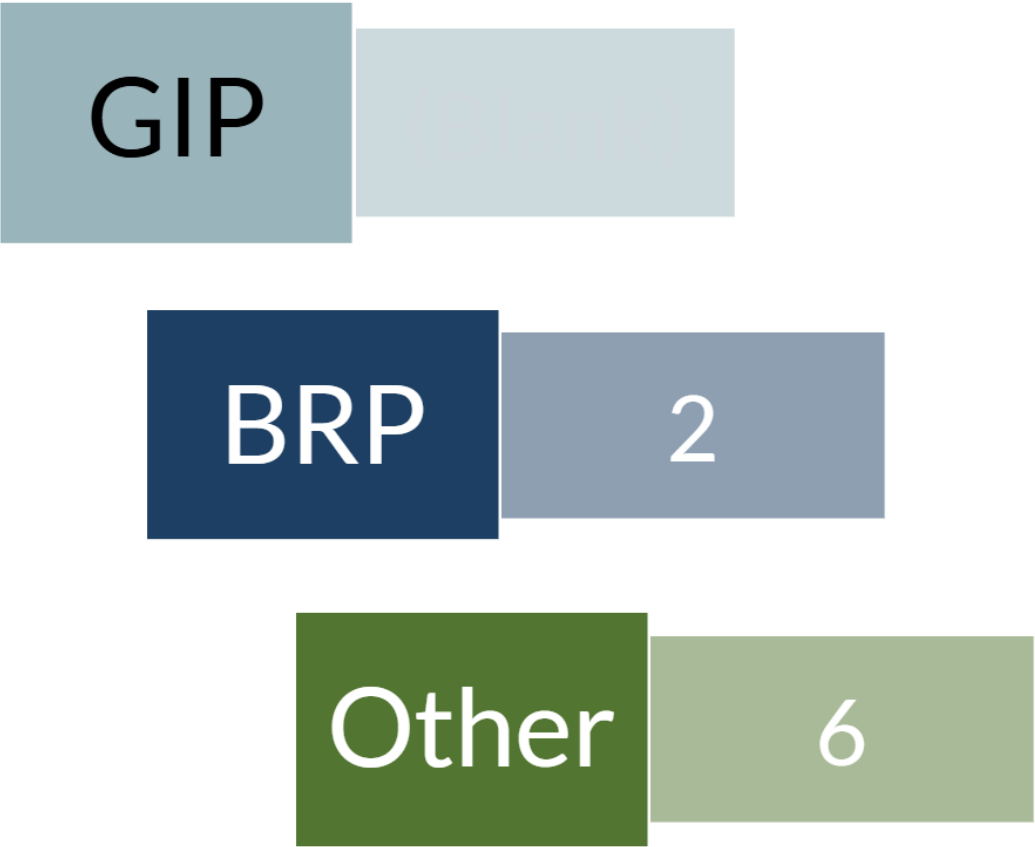
● Line Upgrade ● Substation ● Voltage Device ● Line New



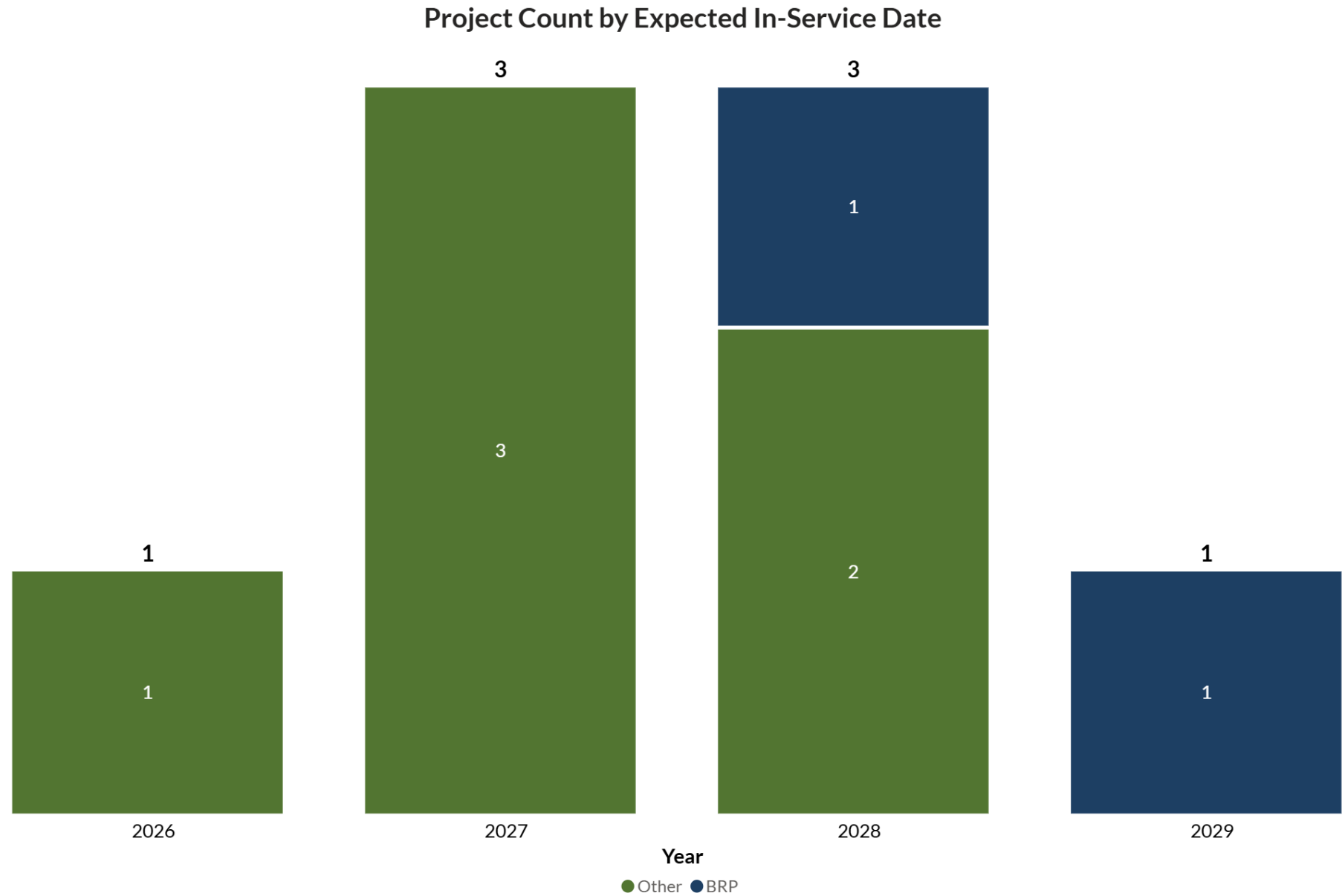
MP MTEP26 Project Type Breakdown

MINNESOTA POWER INC.

MTEP26 Summary



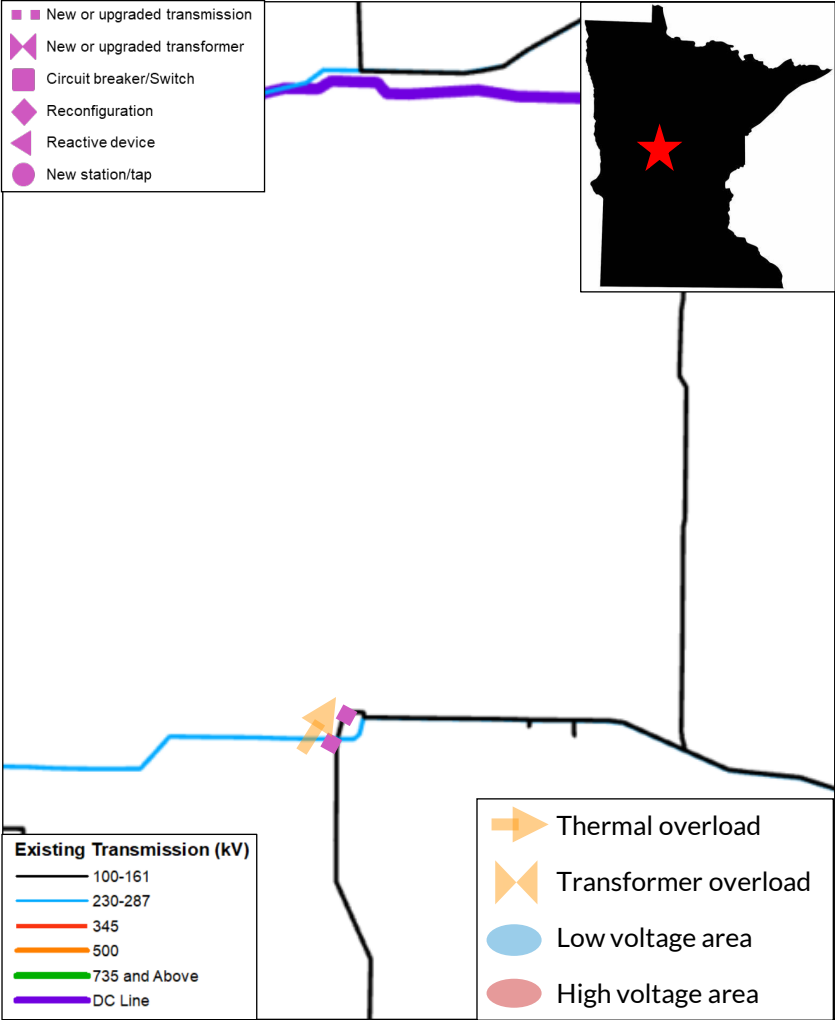
MP MTEP26 ISD Breakdown



Baseline Reliability Projects (BRPs)

Baseline Reliability Project

Details for 133 Line Rebuild



MTEP Project ID	22285
Project Name	133 Line Rebuild
Project Type	BRP
Project Description	Rebuild 133 Line between Verndale and GRE-Wing River.
System Need	230 kV breaker addition at the Wing River Substation is causing post-contingency overloads on 133 Line and 24 Line for loss of Riverton-Wing River 230 kV and Hubbard-Erie Junction 230 kV
Current Cost	\$1.5 M
Expected ISD	12/31/2028
Target Appendix	A

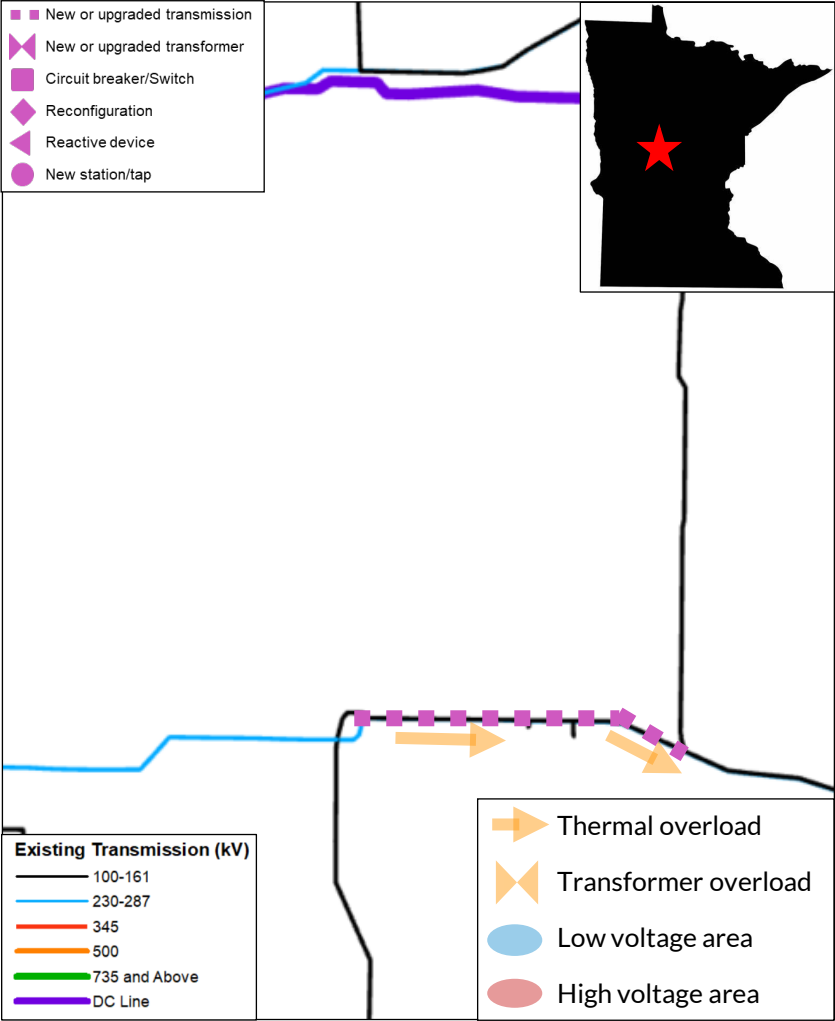
Baseline Reliability Project

Details for 133 Line Rebuild

- There are existing thermal violations on the 133 Line in MTEP25 Steady State results for NERC defined P6 contingency events. Evaluation of this project will be continued between SPM2 and SPM3.

Preliminary Recommendation: Continued analysis in MTEP26

Baseline Reliability Project Details for 24 Line Upgrade



MTEP Project ID	22286
Project Name	24 Line Upgrade
Project Type	BRP
Project Description	Thermal upgrade on transmission line conductor, replacement of transmission line switches, and replacement of terminal equipment at the Verndale Substation
System Need	230 kV breaker addition at the Wing River Substation is causing post-contingency overloads on 133 Line and 24 Line for loss of Riverton-Wing River 230 kV and Hubbard-Erie Junction 230 kV
Current Cost	\$11.0 M
Expected ISD	12/31/2029
Target Appendix	A

Baseline Reliability Project Details for 24 Line Upgrade

- There are existing thermal violations on the 24 Line in MTEP25 Steady State results for NERC defined P6 contingency events. Evaluation of this project will be continued between SPM2 and SPM3.

Preliminary Recommendation: Continued analysis in MTEP26

BRP Project Summary

MTEP Project ID	Project Name	Expected ISD	Current Cost
22285	133 Line Rebuild	12/31/2028	\$1.5 M
22286	24 Line Upgrade	12/31/2029	\$11.0 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

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
20087	Cloquet Substation Modernization	Age and Condition	12/31/2028	\$1.0 M
25255	Verndale Modernization	Age and Condition	12/31/2028	\$4.5 M
50618	Transmission Line Pole Replacement 2026	Age and Condition	12/31/2026	\$3.0 M
50674	Hat Trick Feeder Addition	Local Reliability	12/31/2027	\$0.5 M
50777	Transmission Line Pole Replacement 2027	Age and Condition	12/31/2027	\$3.0 M
50817	Brainerd Cap Bank Replacement	Age and Condition	12/31/2027	\$0.8 M

Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
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Otter Tail Power Company (OTP)

OTTER TAIL POWER COMPANY

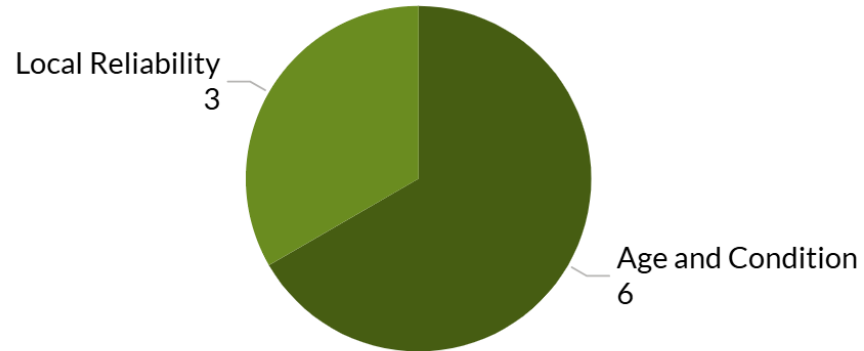
MTEP26 Projects



9
Total Projects

\$9M
Investment

Breakdown of Other Project Types By Project Count



● Other

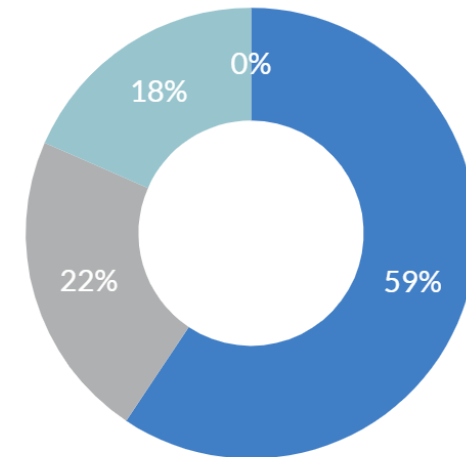
Line Miles by Voltage Level

● ≤161 kV

100%

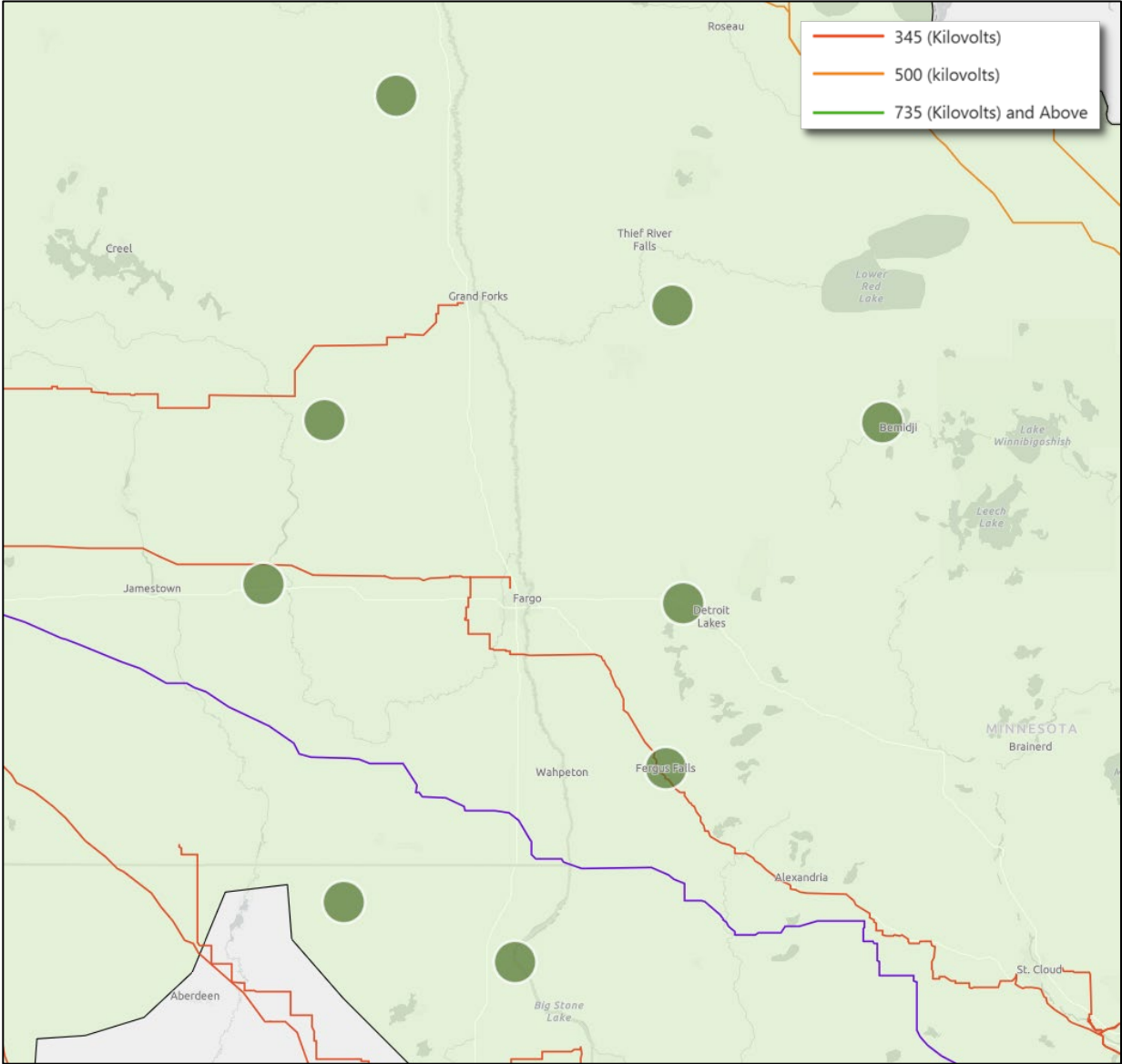
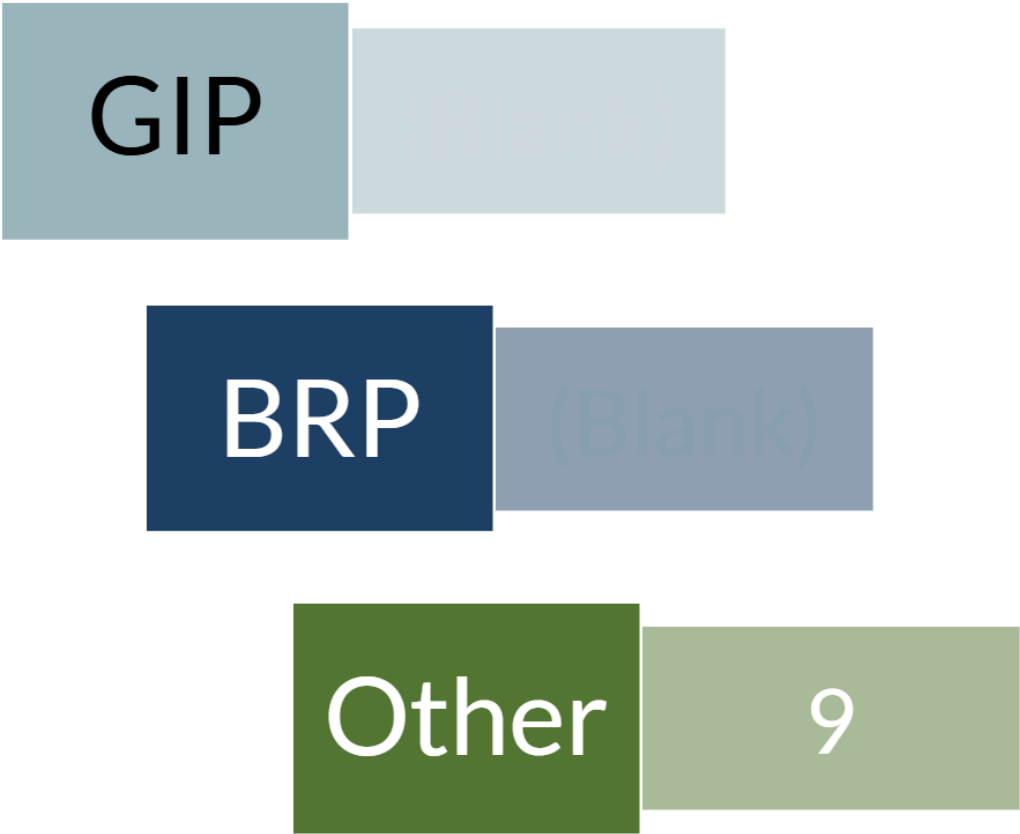
Project Facility Types As a Percentage of Cost

● Line Upgrade ● Substation ● Transformer ● Voltage Device



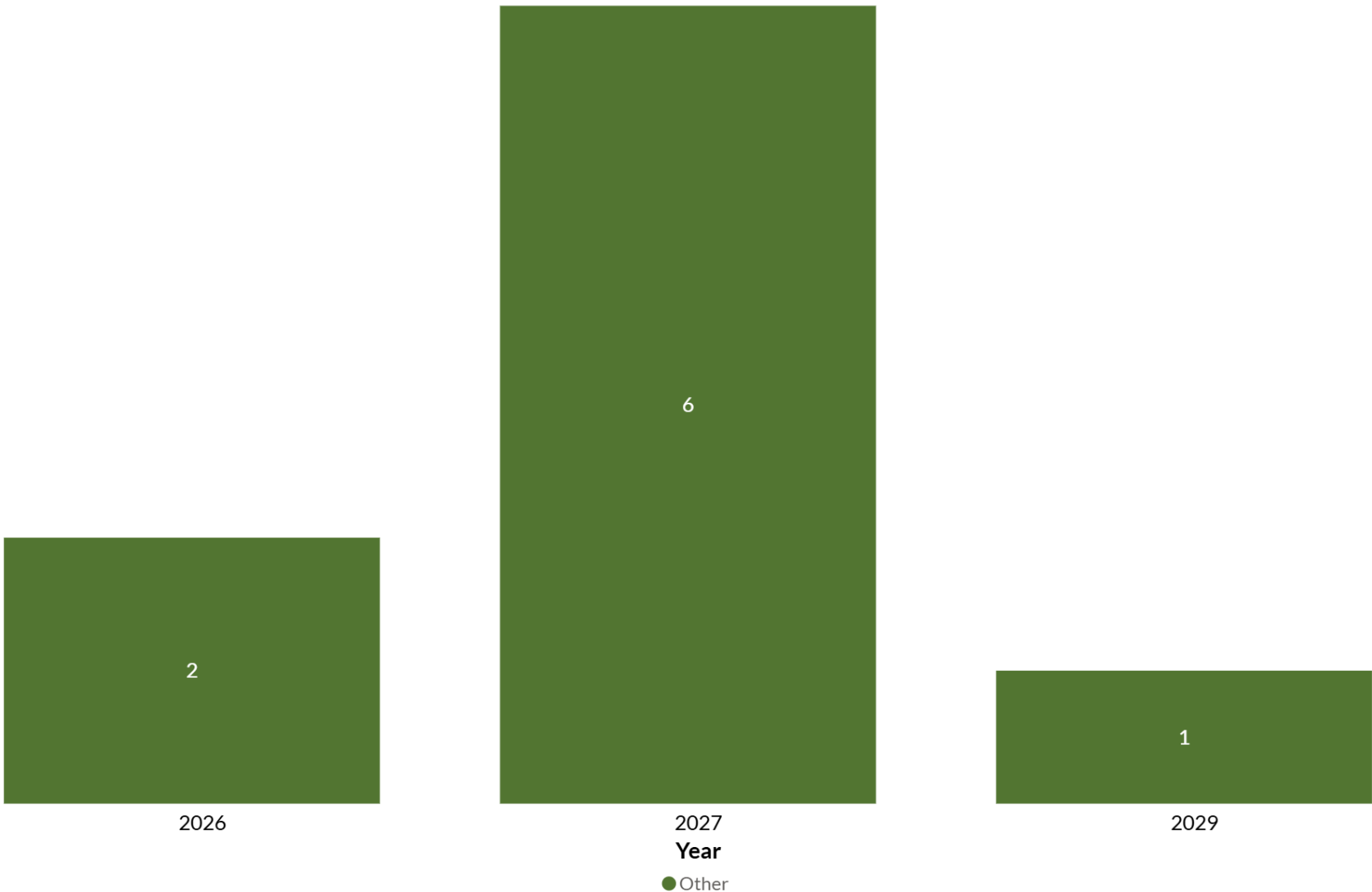
OTP MTEP26 Project Type Breakdown

OTTER TAIL POWER COMPANY MTEP26 Summary



OTP MTEP26 ISD Breakdown

Project Count by Expected In-Service Date



Other Projects

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50991	OTP Hobart Lake 41.6 kV Line Reroute	Age and Condition	12/31/2027	\$0.2 M
50992	OTP Plummer 41.6 kV Line Rebuild	Age and Condition	12/31/2027	\$1.4 M
50995	OTP Audubon 41.6 kV Line Rebuild	Age and Condition	12/31/2027	\$1.4 M
50996	OTP Wilton - Bemidji 41.6 kV Line Rebuild	Age and Condition	12/31/2026	\$0.6 M
50998	OTP St. Thomas 41.6 kV Line Recloser	Local Reliability	12/31/2027	\$0.5 M
51000	OTP Browns Valley 41.6 kV Line Recloser	Local Reliability	12/31/2027	\$0.4 M
51001	OTP Pickert Reactor Retirement	Age and Condition	12/31/2026	\$0.1 M
51018	OTP Asset Management Blanket	Age and Condition	12/31/2027	\$0.9 M
51215	OTP Britton Tie Rebuild	Local Reliability	12/31/2029	\$3.8 M

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MINNKOTA POWER COOPERATIVE, INC

Update on Current Cycle Projects since SPM1

MTEP Project ID	Project Name	Project Type	Project Change
51244	Agassiz 345 kV Substation and Load	Other – Load Growth	New Project added to MTEP26
51319	Bemidji Hospital OTP-Puposky 69kV Line Rebuild	Other – Age and Condition	New Project added to MTEP26
51322	Oxbow 69kV Distribution Substation Rebuild	Other – Local Needs	New Project added to MTEP26
51324	Abercrombie 230 kV Substation	GIP	New Project added to MTEP26

MINNKOTA POWER COOPERATIVE, INC

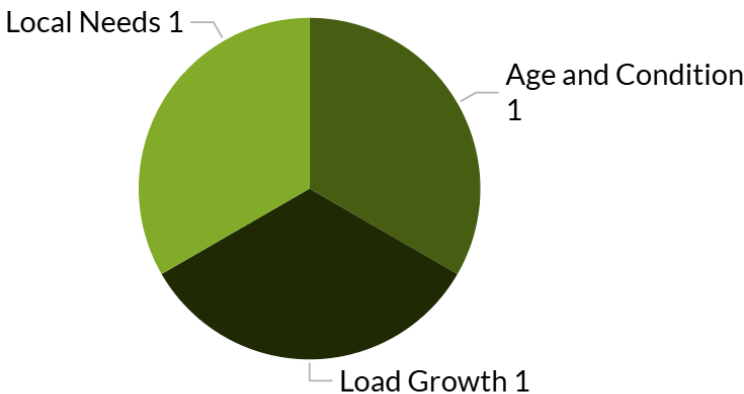
MTEP26 Projects



4
Total Projects

\$34M
Investment

Breakdown of Other Project Types By Project Count



Line Miles by Voltage Level

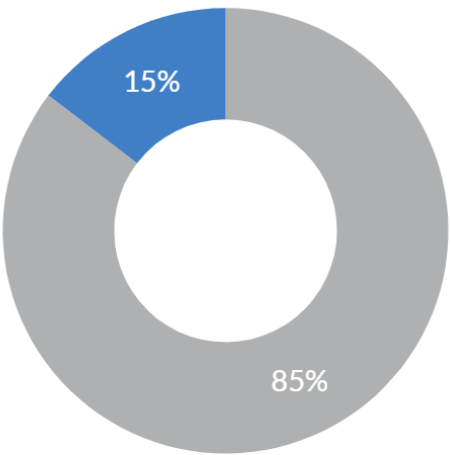
● ≤161 kV

100%

Project Facility Types

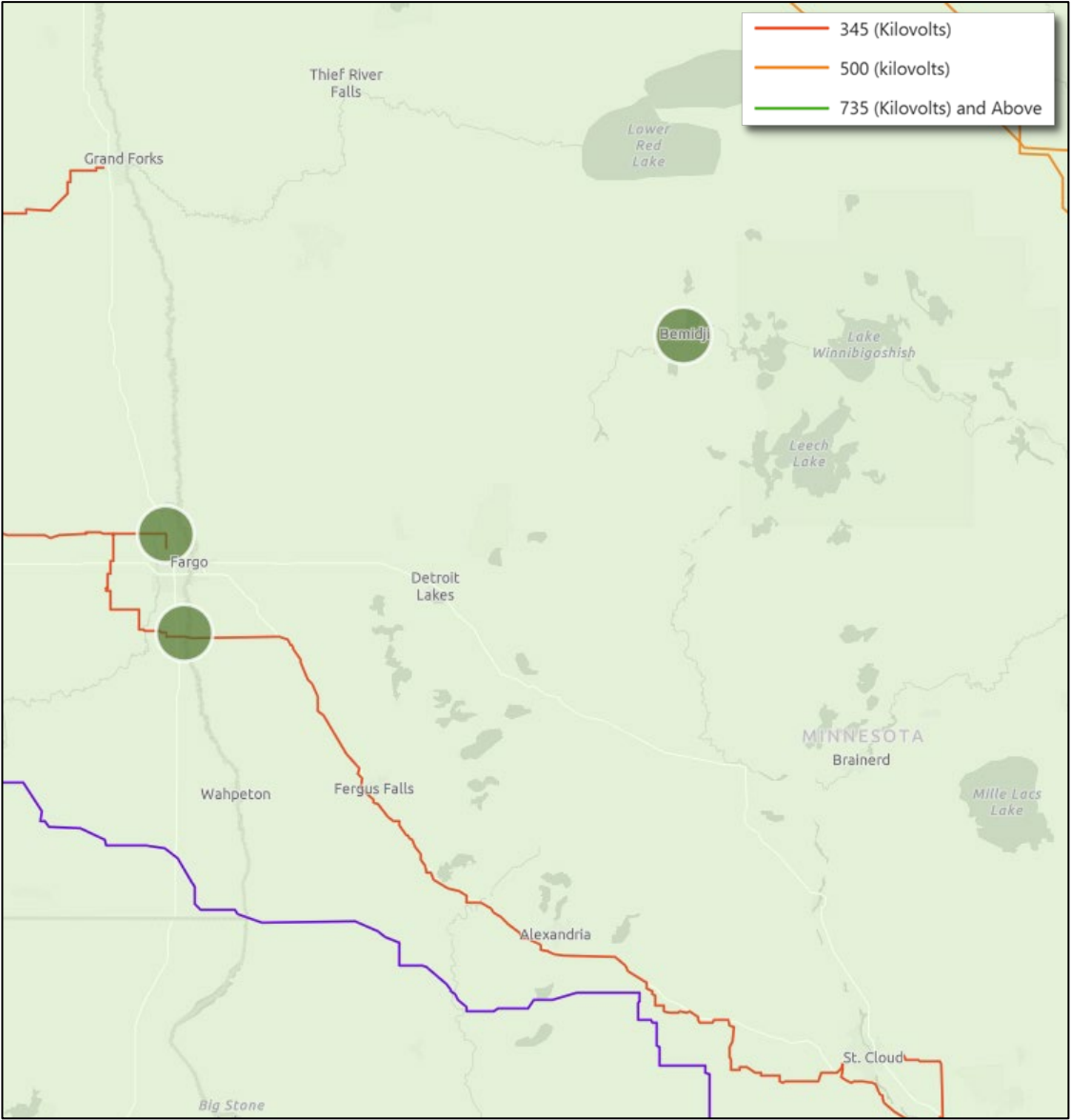
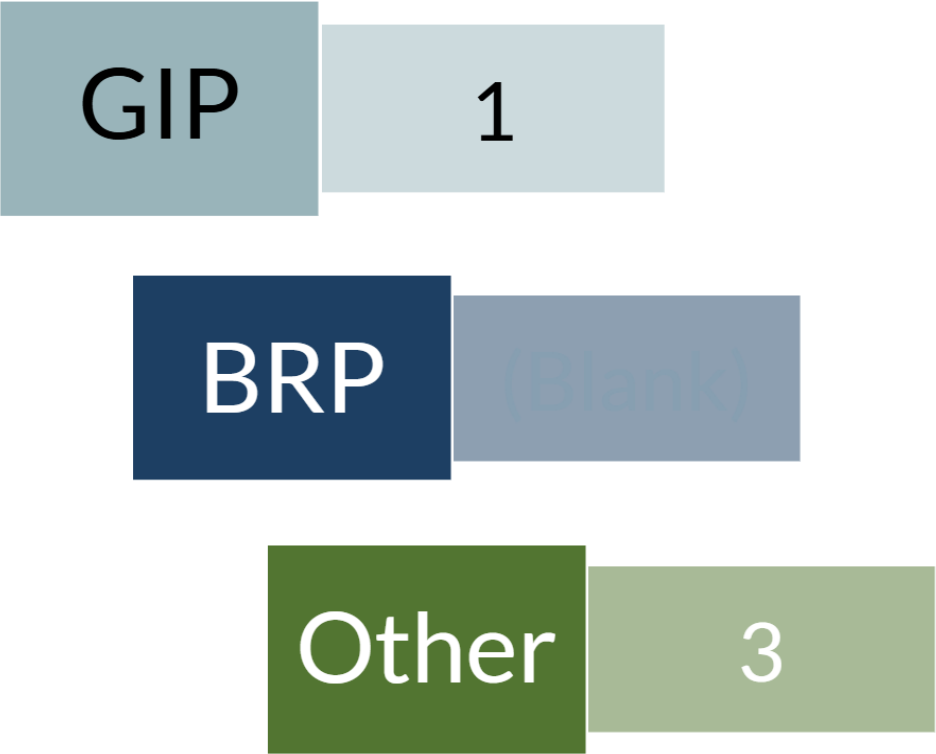
As a Percentage of Cost

● Substation ● Line Upgrade

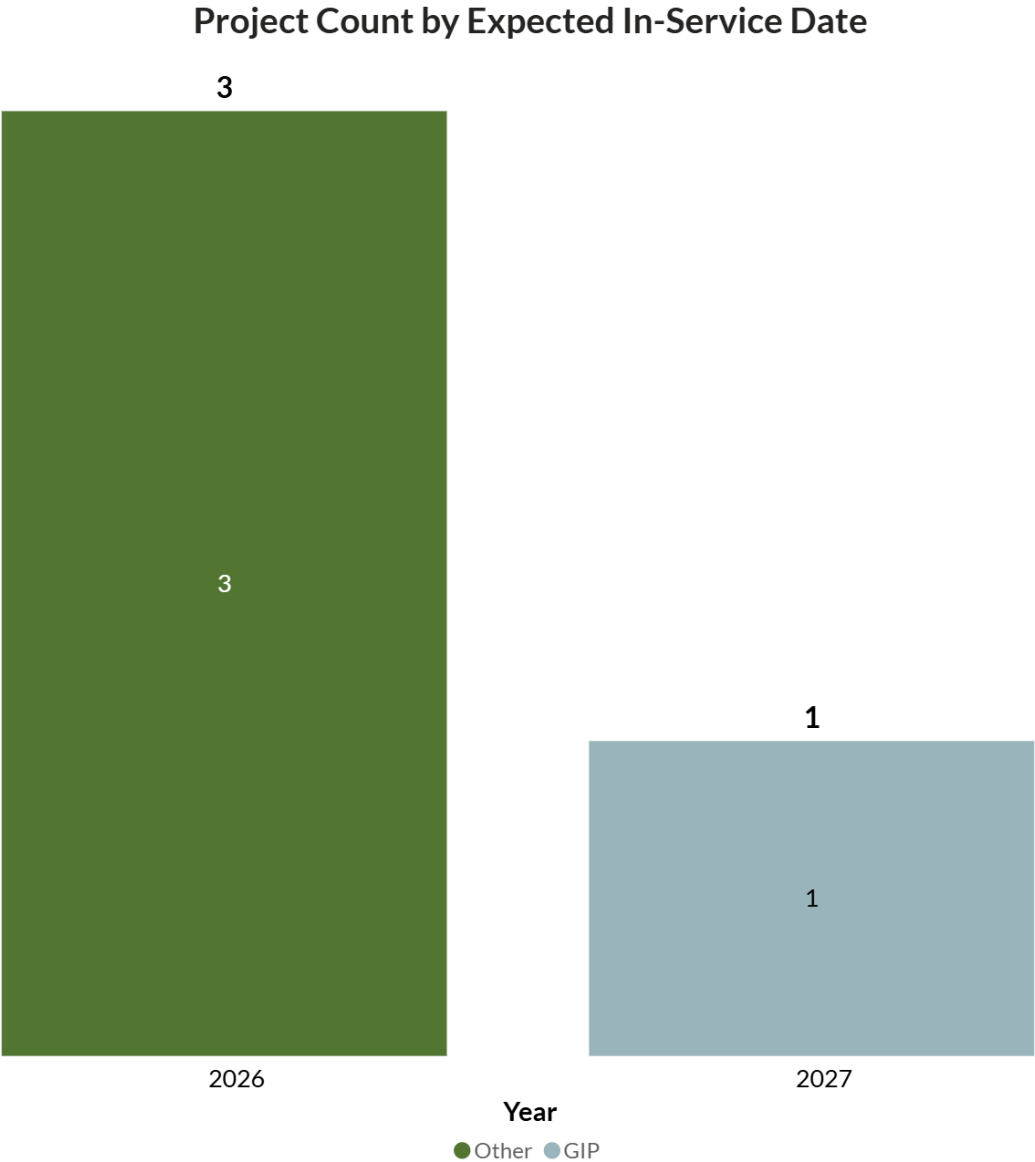


MINNKOTA POWER COOPERATIVE, INC MTEP26 Project Type Breakdown

MINNKOTA POWER COOPERATIVE, INC MTEP26 Summary



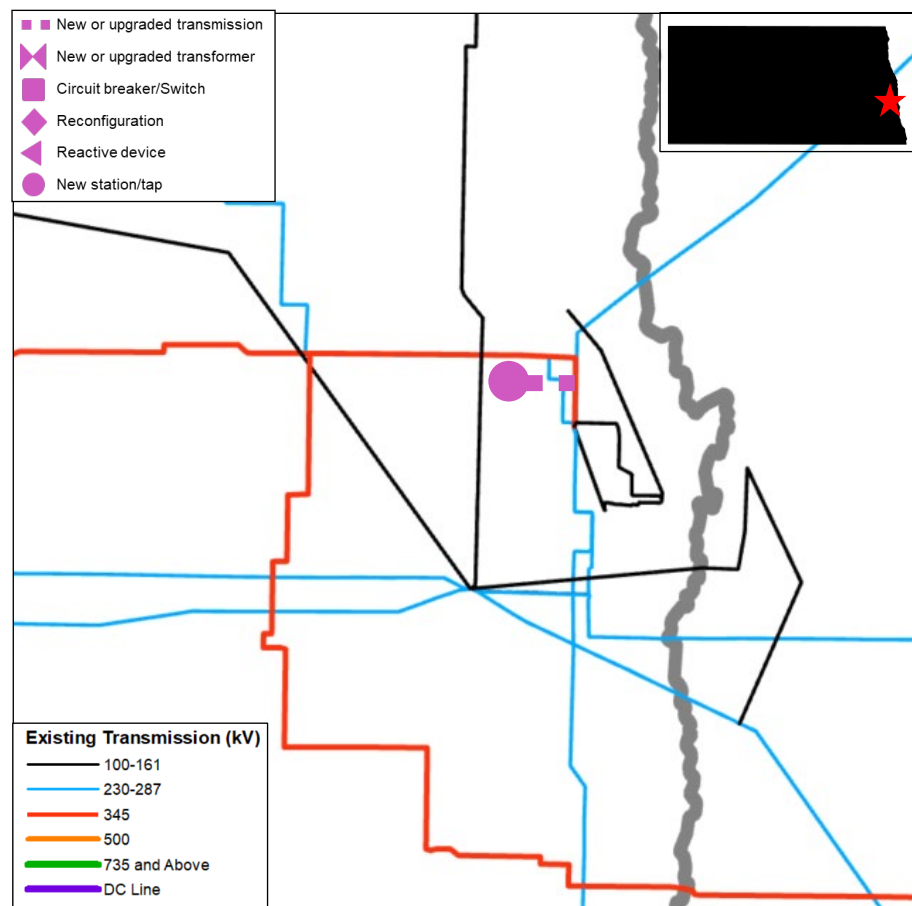
MINNKOTA POWER COOPERATIVE, INC MTEP26 ISD Breakdown



Other Projects

Other, Load Growth Highlight

Details for Agassiz 345 kV Substation and Load



MTEP Project ID	51244
Project Name	Agassiz 345 kV Substation and Load
Project Type	Other
Other Type	Load Growth
Project Description	Addition of a 280 MW, power electronic-based load at a new substation Agassiz from tap of Maple River - Bison 345 kV. Project includes associated bus additions.
System Need	New load
Current Cost	\$14.0 M
Expected ISD	07/01/2026
Target Appendix	A

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
51244	Agassiz 345 kV Substation and Load	Load Growth	07/01/2026	\$14.0 M
51319	Bemidji Hospital OTP-Puposky 69kV Line Rebuild	Age and Condition	07/01/2026	\$5.0 M
51322	Oxbow 69kV Distribution Substation Rebuild	Local Needs	12/31/2026	\$5.8 M

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Generator Interconnection Projects (GIPs)

Generator Interconnection Projects (GIPs)

MTEP Project ID	Project Name	Expected ISD	Current Cost
51324	Abercrombie 230 kV Substation	10/01/2027	\$9.1 M

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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.

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