



MTEP26 Project Information

ITC Midwest; Southern 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*

Purpose & Key Takeaway

Purpose

Review and discuss submitted MTEP26 projects

Key Takeaways

The details of the ITCM projects and their costs are shown below:

- ITC Midwest (ITCM): 11 submitted projects at an estimated cost of \$111 million
- Southern Minnesota Municipal Power Agency (SMMMPA): 5 submitted projects at an estimated cost of \$48 million

ITC Midwest (ITCM)

Update on Current Cycle Projects since SPM1

MTEP Project ID	Project Name	Project Type	Project Change
50968	Asset Management Blanket	Other – Age and Condition	Project cost increased from \$57.6M to \$61.4M

ITC MIDWEST

MTEP26 Projects

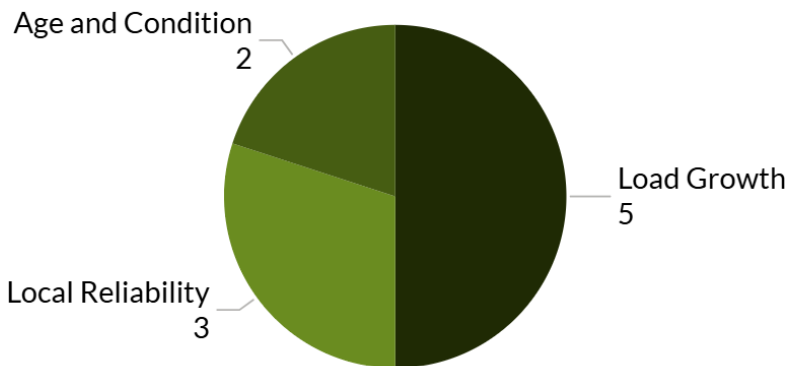


11
Total Projects

\$111M
Investment

Breakdown of Other Project Types

By Project Count



● Other ● BRP

Line Miles by Voltage Level

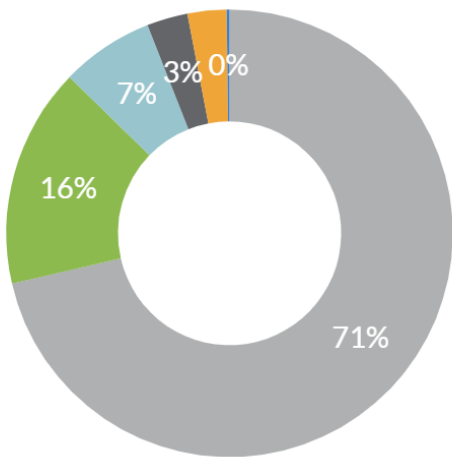
● 345 kV



Project Facility Types

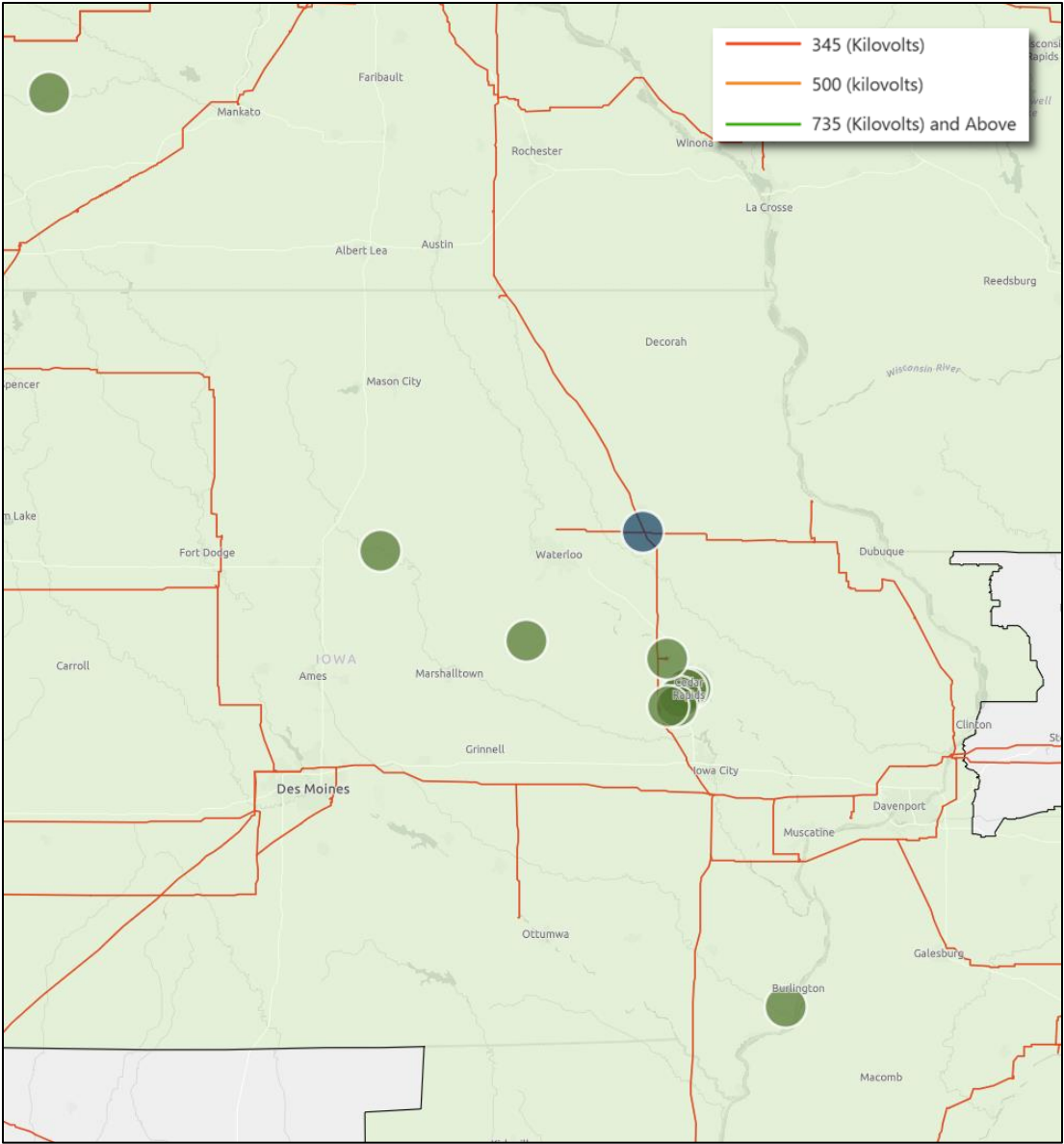
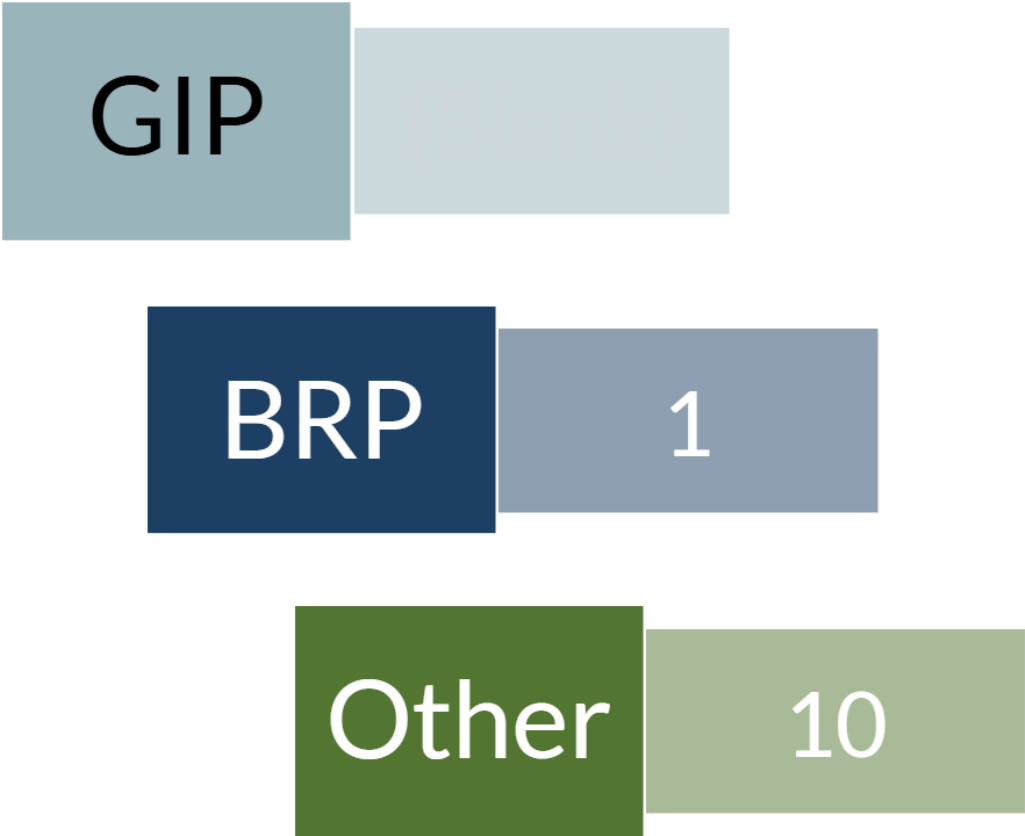
As a Percentage of Cost

● Substation ● Line New ● Transfor... ● Voltage D... ● Misc. ● Line Upg...

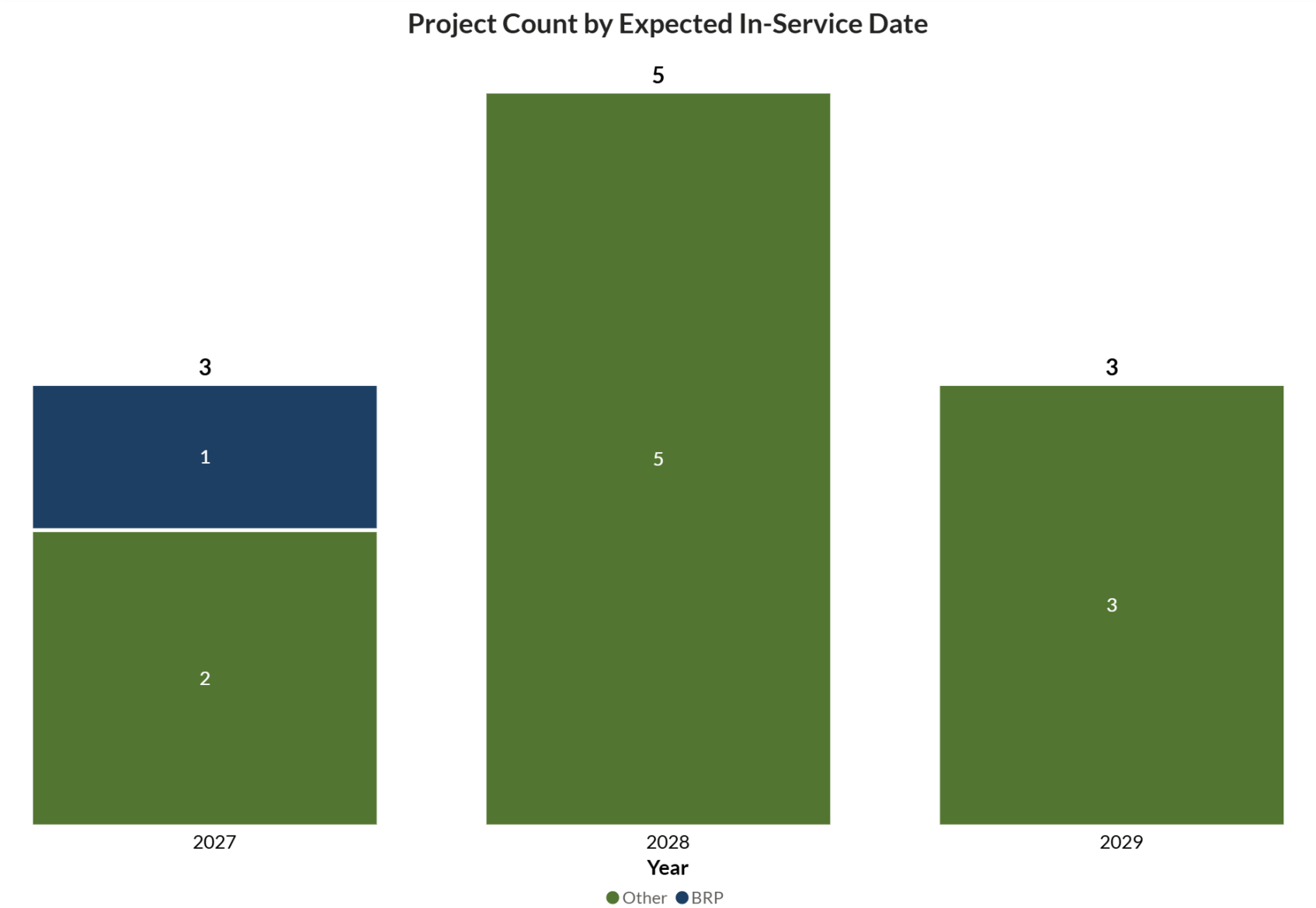


ITCM MTEP26 Project Type Breakdown

ITC MIDWEST MTEP26 Summary

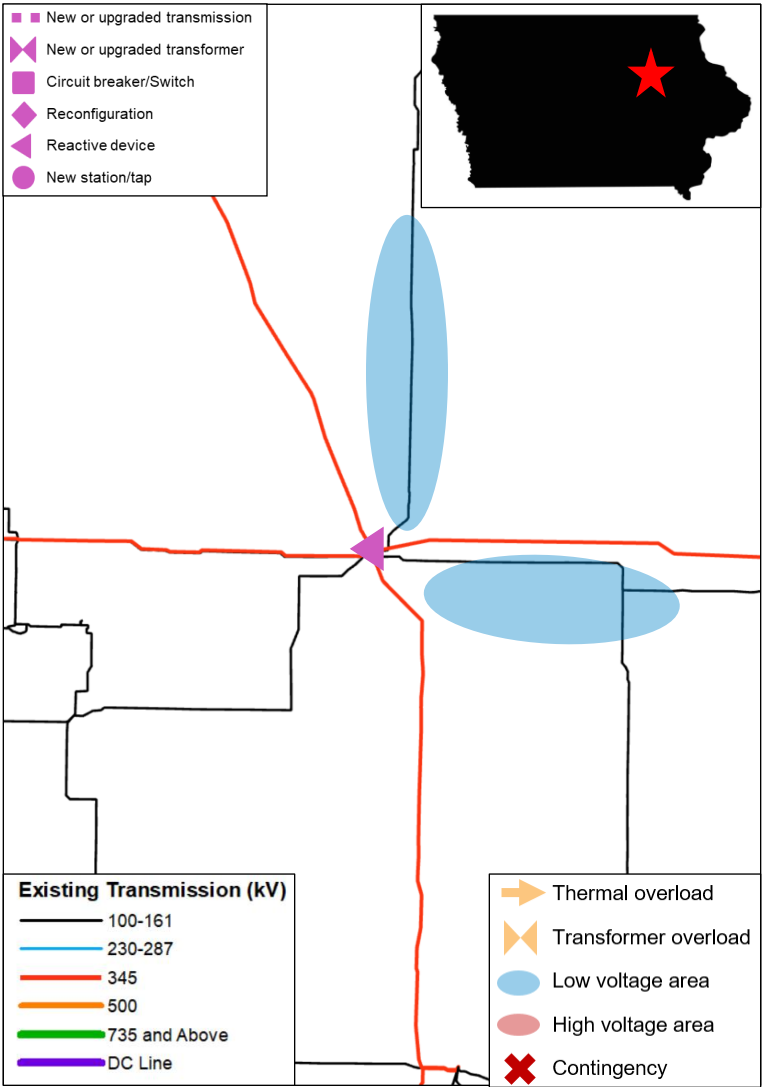


ITCM MTEP26 ISD Breakdown



Baseline Reliability Projects (BRPs)

Details for Hazleton 69kV Capacitor Addition



MTEP Project ID	50948
Project Name	Hazleton 69kV Capacitor Addition
Project Type	BRP
Project Description	Add two banks of capacitor banks to the 69kV portion of Hazelton Substation. Both banks of capacitors are to be each rated at 11.2 MVAR Effective.
System Need	The justification of this project is to address low voltages seen on the 69kV system under a P24 contingency at Hazelton 161 kV.
Current Cost	\$1.9 M
Expected ISD	12/31/2027
Target Appendix	A

Baseline Reliability Project

Details for Hazleton 69kV Capacitor Addition

- The Oelwein bus and nearby buses experience low voltage issues. The addition of the two 11.2 MVAR capacitor banks resolves the low voltage issues with reactive support in the area.

MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1-1	OELWEIN	0.8569	0.9790

Preliminary Recommendation: Move to Appendix
A

Other Projects

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
<u>50775</u>	<u>Linn County 620 MW Load Addition</u>	<u>Load Growth</u>	<u>07/01/2028</u>	<u>\$11.3 M</u>
50943	Kingston Substation Interconnection	Load Growth	12/31/2027	\$4.1 M
50950	Traer Transformer Replacement	Age and Condition	12/31/2028	\$3.6 M
50951	Springfield Load Addition	Load Growth	12/31/2028	\$1.8 M
50958	SCADA Controlled Motor Operated Switch Addition blanket	Local Reliability	12/31/2027	\$3.1 M
50964	Load Interconnection Blanket	Load Growth	12/31/2028	\$3.8 M
50968	Asset Management Blanket	Age and Condition	12/31/2028	\$61.4 M
51101	Burlington Generation - Deeds 1 161kV Sag Remediation	Local Reliability	12/30/2029	\$0.2 M
51102	Iowa Falls Industrial T4 Replacement	Local Reliability	12/30/2029	\$3.8 M
51259	Big Cedar 370 MW Load Addition	Load Growth	01/01/2029	\$15.7 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.

Unlabeled

Southern Minnesota Municipal Power Agency (SMMMPA)

SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY

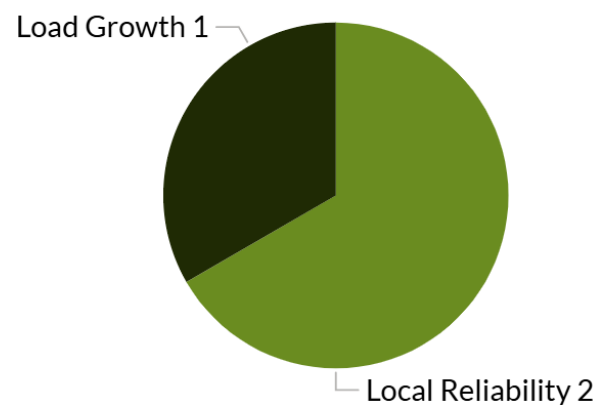
MTEP26 Projects



5
Total Projects

\$48M
Investment

Breakdown of Other Project Types By Project Count



Line Miles by Voltage Level

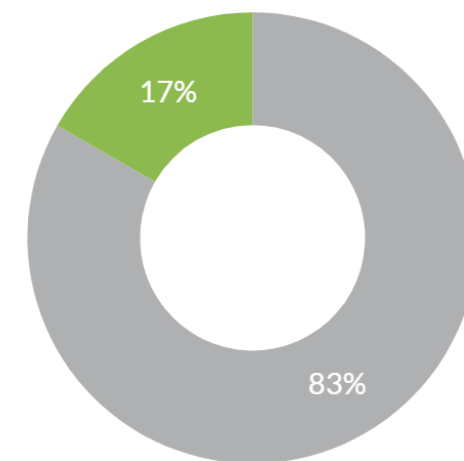
● ≤161 kV

100%

Project Facility Types

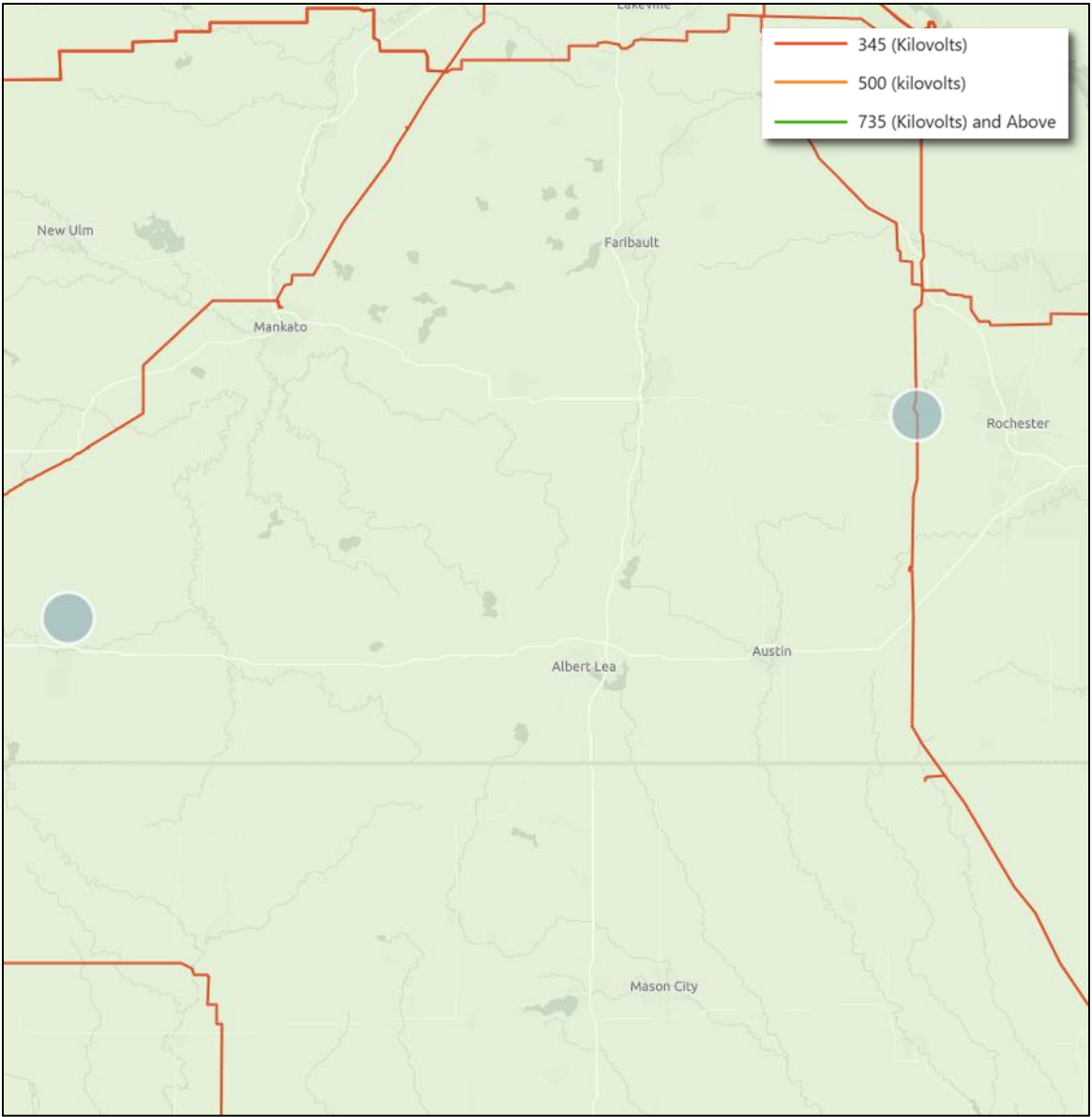
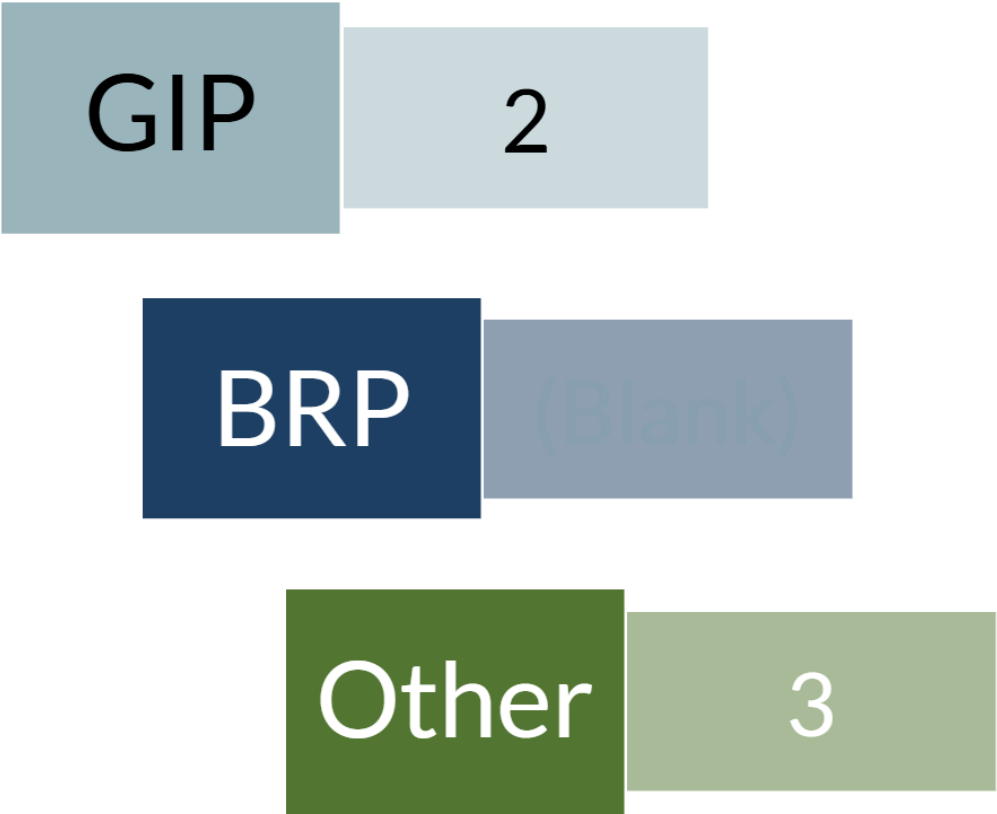
As a Percentage of Cost

● Substation ● Line New

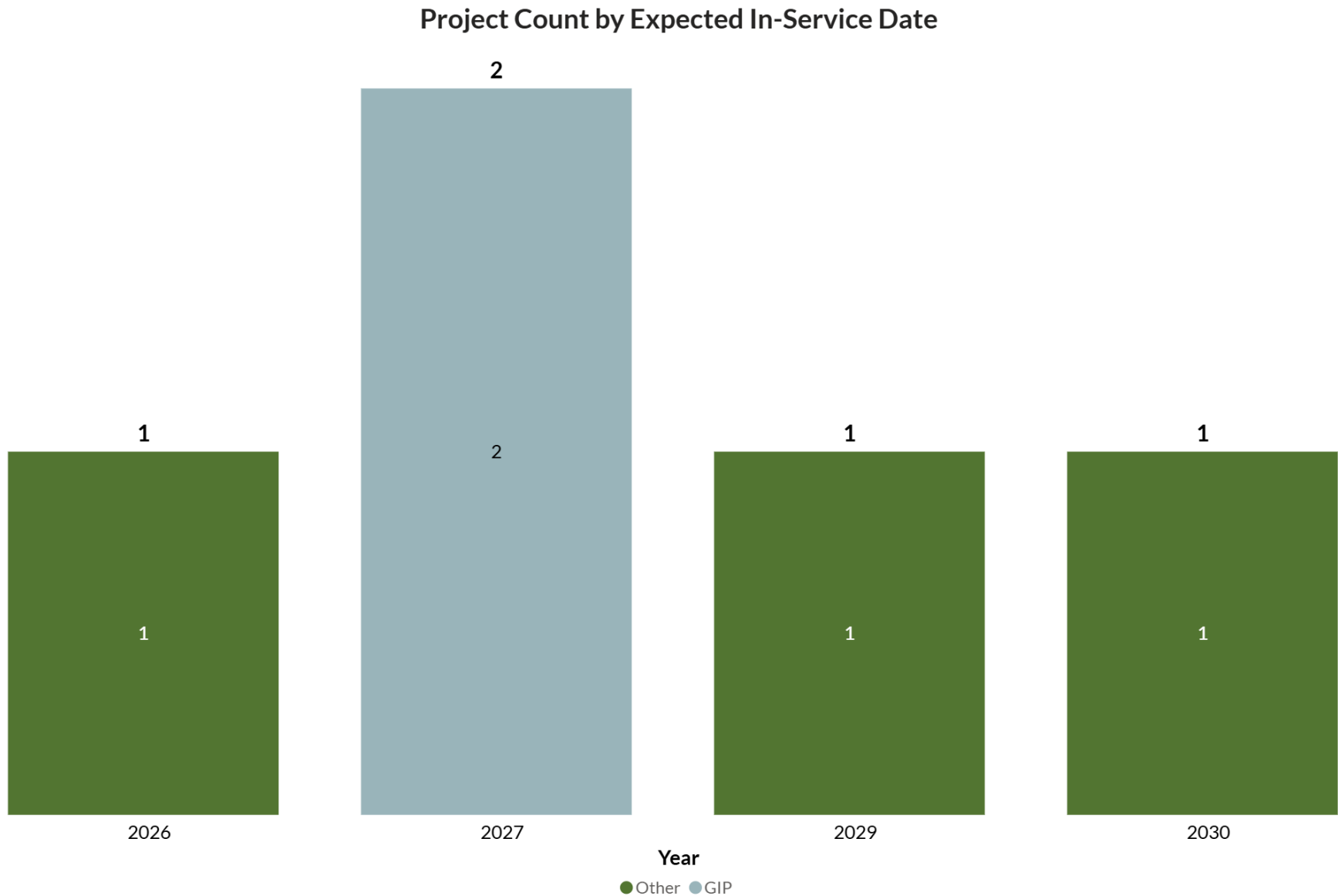


SMMPA MTEP26 Project Type Breakdown

SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY MTEP26 Summary



SMMPA MTEP26 ISD Breakdown



Other Projects

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
51053	Litchfield 115 kV Voltage Conversion	Local Reliability	11/16/2029	\$15.0 M
51055	Owatonna 161/69kV Transmission Expansion	Load Growth	06/01/2030	\$31.0 M
51208	New Prague West Substation Improvements	Local Reliability	08/01/2026	\$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.

Generator Interconnection Projects (GIPs)

Generator Interconnection Projects (GIPs)

MTEP Project ID	Project Name	Expected ISD	Current Cost
50605	Byron J1124 345kV Interconnection	11/01/2027	\$0.2 M
50606	Rutland J1566 161kV Interconnection	12/31/2027	\$1.5 M

Contacts

Nick Gaither
Engineer II Expansion Planning
Ngaither@misoenergy.org

Ryan Hay
Regional Coordinator-West Region
rhay@misoenergy.org

Zheng Zhou
Sr Mgr Expansion Planning
zzhou@misoenergy.org

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.

Learn more and follow MISO at:

misoenergy.org

LinkedIn: Midcontinent ISO

