



MTEP26 Project Information

Great River Energy ; Missouri River Energy Services – Transmission ; Montana-Dakota
Utilities Co.

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:

- Great River Energy (GRE): 34 submitted projects at an estimated cost of \$426 million
- Missouri River Energy Services – Transmission (MRES): 4 submitted projects at an estimated cost of \$15 million
- Montana-Dakota Utilities Co. (MDU): 3 submitted projects at an estimated cost of \$112 million

Great River Energy (GRE)

Update on Current Cycle Projects since SPM1

MTEP Project ID	Project Name	Project Type	Project Change
50875	Medford Area Projects	Other – Local Reliability	Project cost increased from \$2.1M to \$3.1M
50877	Pillsbury Area Projects	Other – Age and Condition	Project cost increased from \$2.4M to \$3.6M
50922	Nelson Lake 230 kV interconnections	Other – Local Needs	Project cost increased from \$2.6M to \$5.1M
50923	Franklin to Redwood Rebuild Part 1	Other – Age and Condition	Project cost increased from \$16.3M to \$21.6M
50924	Franklin to Redwood Rebuild Part 2	Other – Age and Condition	Project cost increased from \$16.3M to \$21.6M
50933	Paulson area projects	Other – Load Growth	Project ISD changed from 12/28/2027 to 12/5/2031
50935	Benton County 230 kV Breaker Replacement	Other – Age and Condition	Project ISD changed from 12/7/2026 to 8/12/2027, Project cost increased from \$1.6M to \$2.6M
50941	Foley Sub Area Projects	Other – Local Reliability	Project cost increased from \$7.4M to \$9M
50955	May Switch Replacement	Other – Local Reliability	Project ISD changed from 9/29/2026 to 6/15/2027
50960	Hugo Switch Retirement	Other – Local Reliability	Project ISD changed from 3/6/2026 to 6/15/2027
50965	Kettle River Breaker Station Projects	Other – Age and Condition	Project cost increased from \$6.8M to \$8.6M
50972	Sand Lake to Pike River Area Project	Other – Age and Condition	Project cost increased from \$2M to \$13.3M
51004	Delano to Crow River Area Project	Other – Age and Condition	Project cost increased from \$5.7M to \$14.8M
51050	Thompson Lake to Remmele area projects	BRP	Project ISD changed from 6/1/2030 to 12/31/2030

GREAT RIVER ENERGY

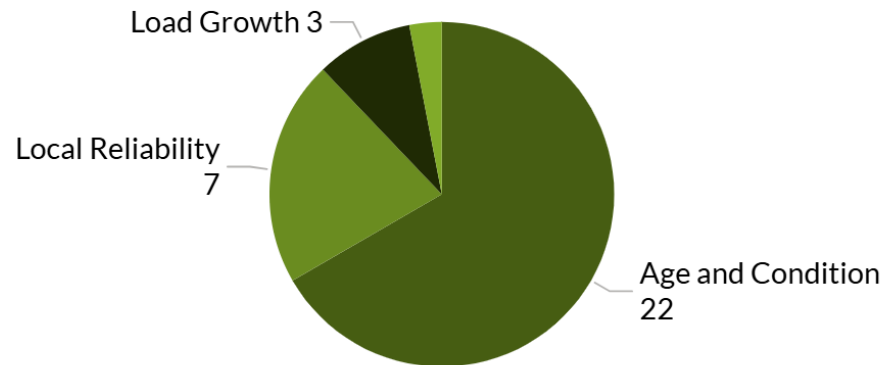
MTEP26 Projects



34
Total Projects

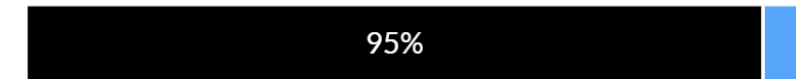
\$426M
Investment

Breakdown of Other Project Types By Project Count



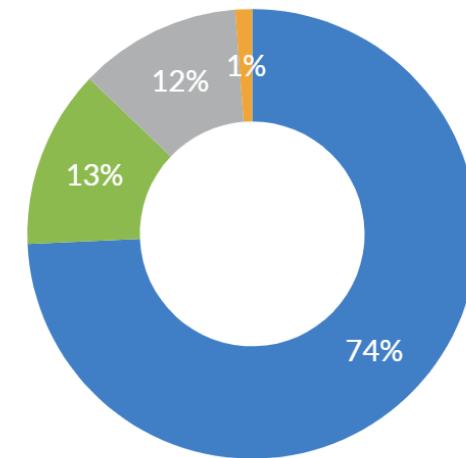
Line Miles by Voltage Level

● ≤161 kV ● 230 kV



Project Facility Types As a Percentage of Cost

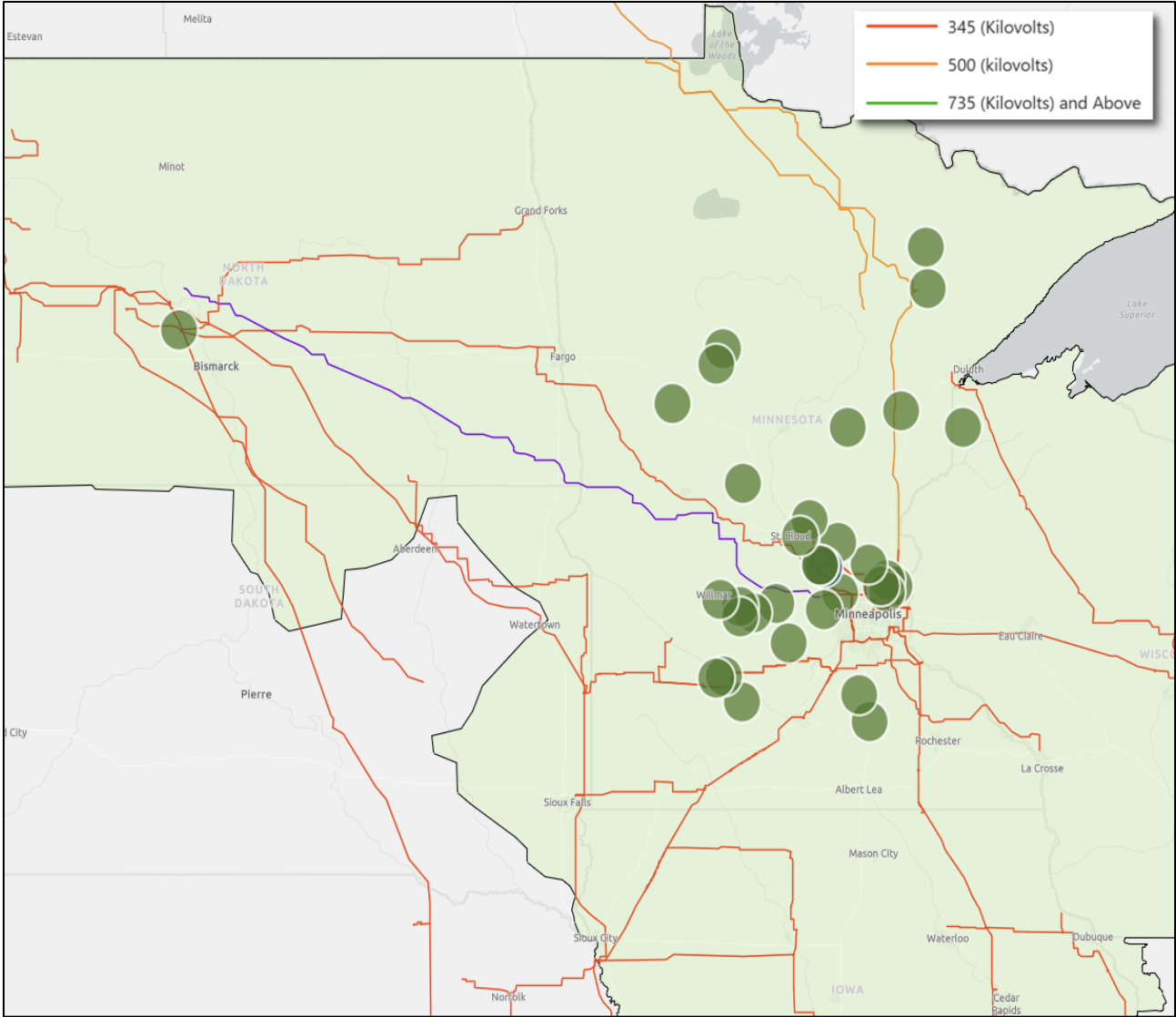
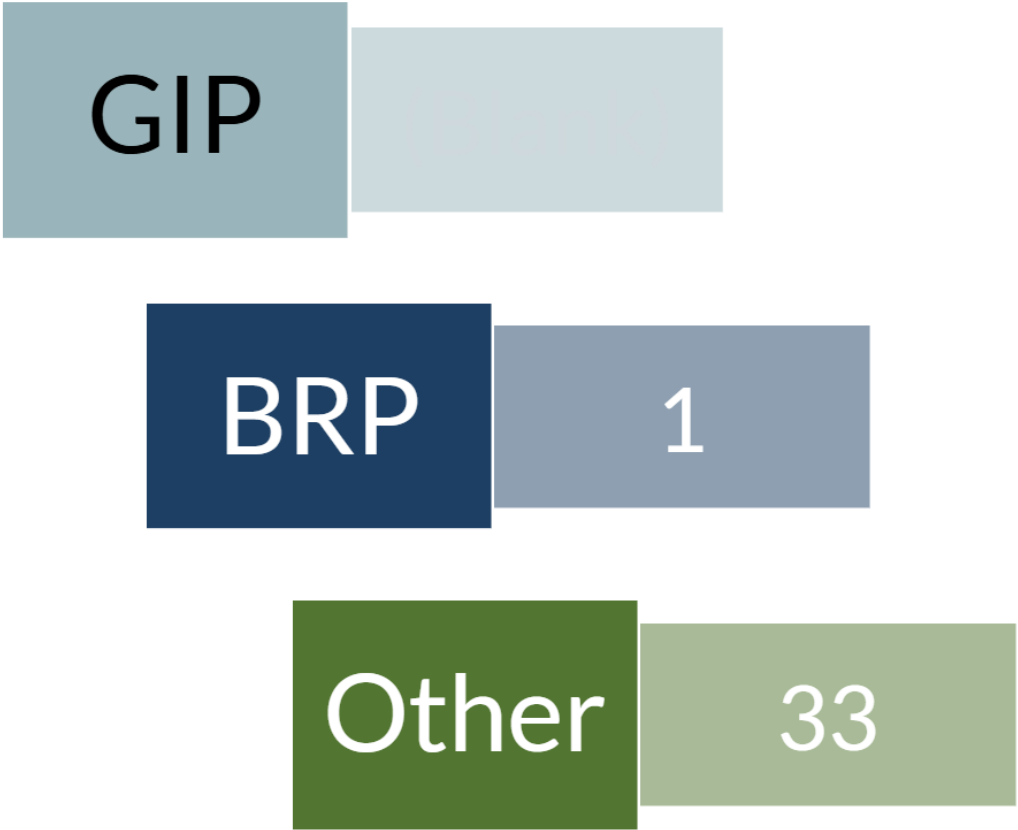
● Line Upgrade ● Line New ● Substation ● Misc.



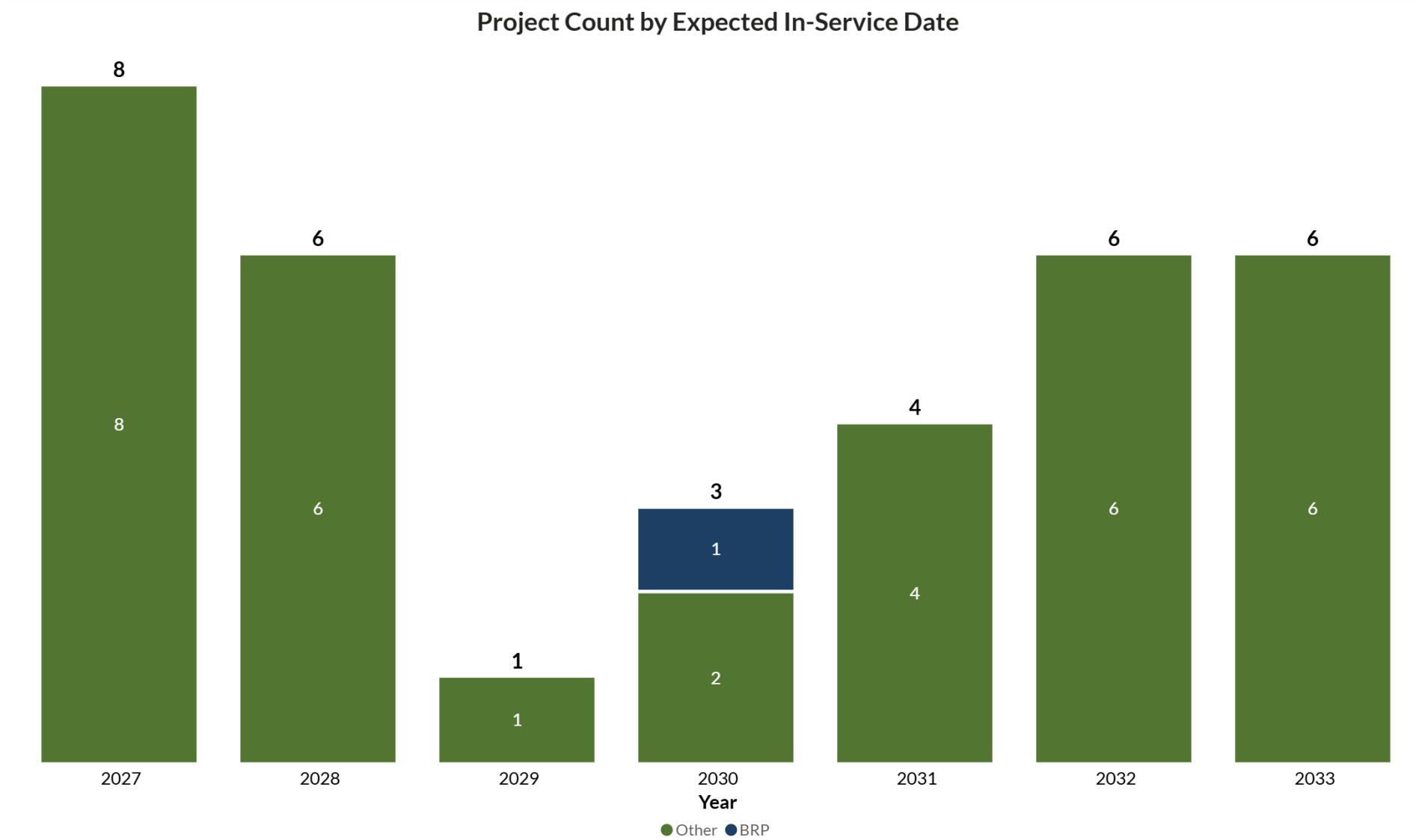
GRE MTEP26 Project Type Breakdown

GREAT RIVER ENERGY

MTEP26 Summary

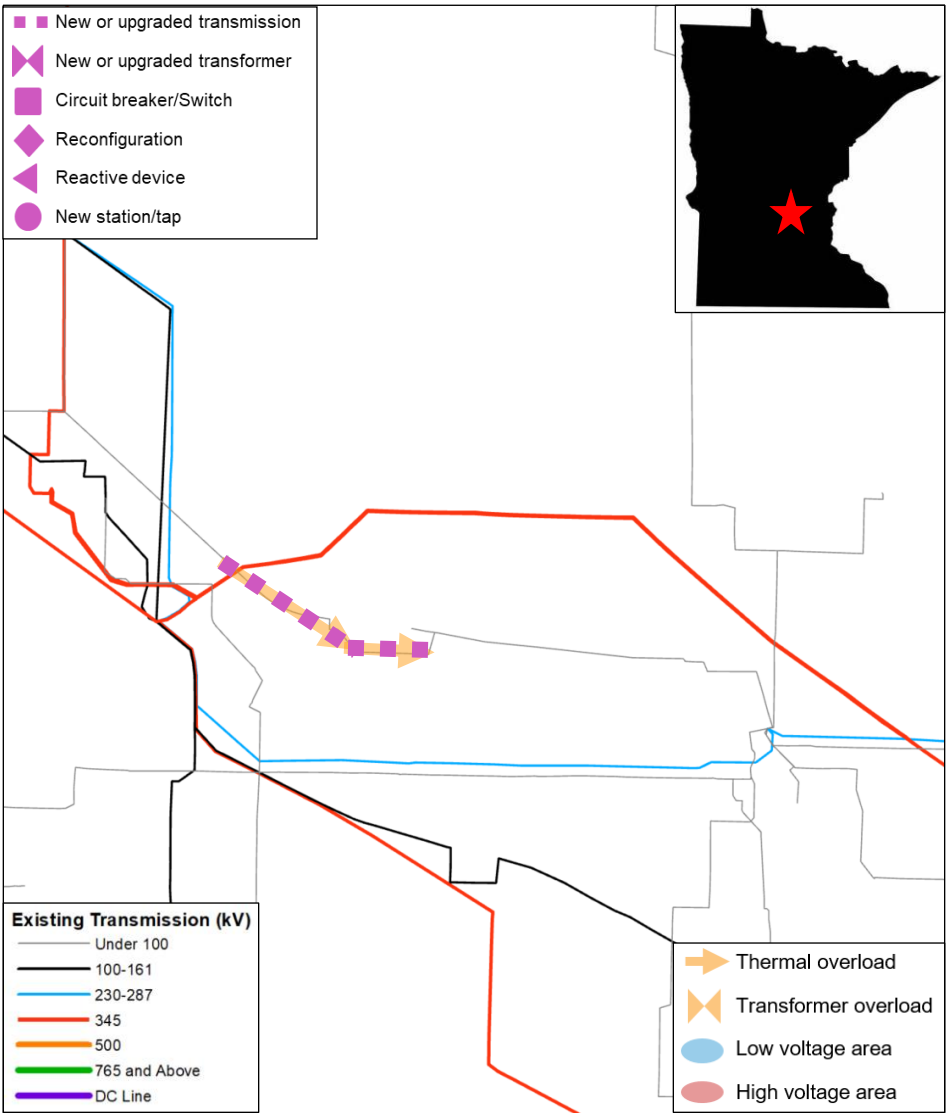


GRE MTEP26 ISD Breakdown



Baseline Reliability Projects (BRPs)

Details for Thompson Lake to Remmele area projects



MTEP Project ID	51050
Project Name	Thompson Lake to Remmele area projects
Project Type	BRP
Project Description	1.) Rebuild the 6.42 mile, 266 ACSR portion of the Thompson Lake (EWS12) – Remmele Tap (EWS16) 69 kV line to 477 ACSS and keep the conductors on the roadside of the line. The “EW” line is planned to be a future 69kV/115kV double circuit. Mimic the design on the Liberty – Thompson Lake 69 kV line. 2.) Upgrade 600-amp switches EWS12 and EWS13 to 1200-amp.
System Need	Thermal overloading is being detected on the Thompson Lake – Remmele Tap “EW” 69 kV line which is 266 ACSR, 6.27 miles long, and is rated for 58.7/78.1 MVA during summer peak loading for the loss of Elk River 14 – Elk River Municipal West 69 kV line. This line will be rebuilt with 477 ACSS.
Current Cost	\$5.1 M
Expected ISD	12/31/2030
Target Appendix	A

Details for Thompson Lake to Remmele area projects

The Thompson Lake – Remmele Tap 69 kV line overloads as a result of the loss of the Elk River – Elk River Municipal West 69 kV line. Post-contingent, the line overloads up to 108%. Rebuilding and upgrading the Thompson Lake – Remmele Tap line will eliminate these overloads. Post-project, the line will only load up to 48% of its rating post-contingent.

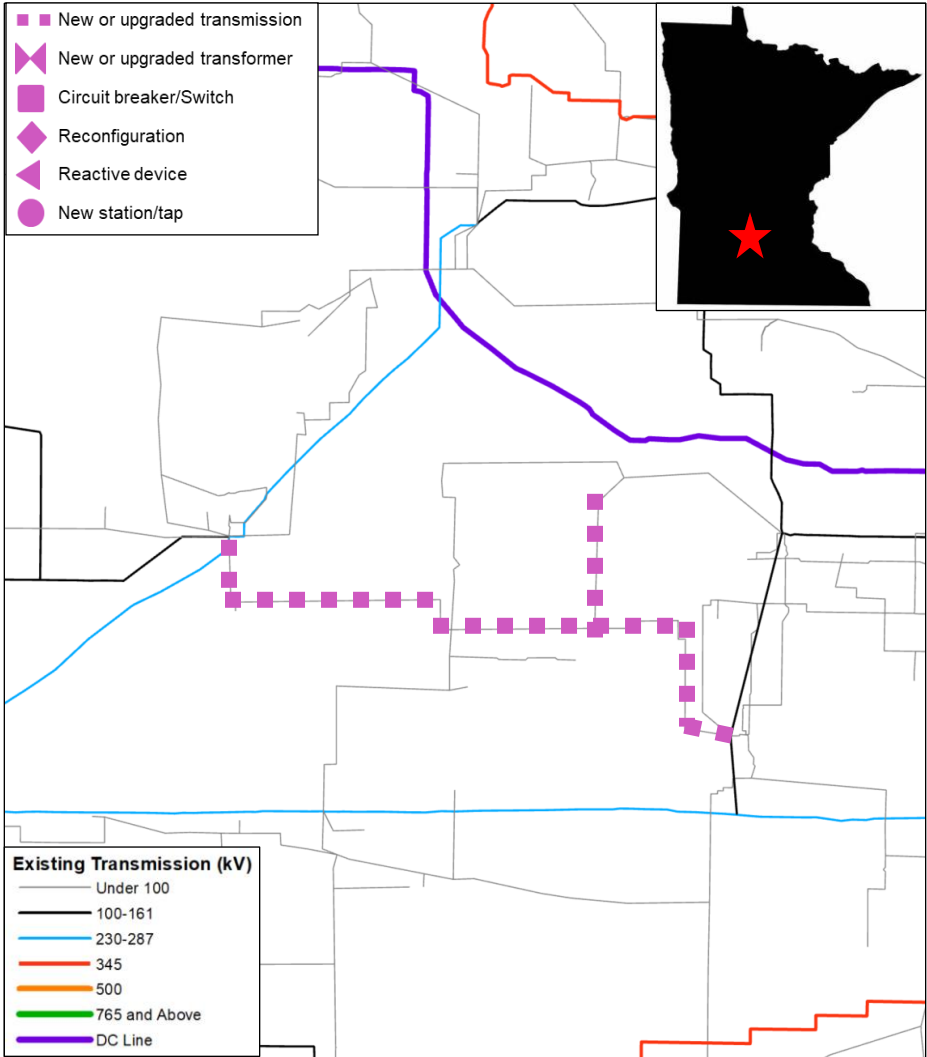
MTEP26 (Thermal/Voltage) Violations

Cont. Type	Limiting Element	Pre-project (post-cont.) Loading (%)	Post-project (post-cont.) Loading (%)
N-1	[GRE] Thompson Lake – [GRE] Remmele Tap 69 kV line	108	48

Preliminary Recommendation: Move to Appendix A

Other Projects

Details for Willmar - Litchfield - Forest City - Hutchinson Rebuild and 115 kV Conversion



MTEP Project ID	50873
Project Name	Willmar - Litchfield - Forest City - Hutchinson Rebuild and 115 kV Conversion
Project Type	Other
Other Type	Local Reliability
Project Description	Rebuild existing 69 kV transmission lines between the existing substations of Willmar, Litchfield and Hutchinson to a 115 kV standard for a future 115 kV operation. In addition, build a new 115 kV line from Litchfield to the Stockade distribution substation and a new 115 kV breaker station, Forest City, at the current Stockade tap switch point. Existing lines and infrastructure are owned by GRE, SMMPA, Litchfield Municipal, and Hutchinson Municipal. This project will be carried out jointly by these parties.
System Need	The lines between Willmar, Litchfield and Hutchinson have a need to be rebuilt due to age and condition concerns. These lines are some of the oldest 69 kV transmission lines in the area. The line rebuild projects will be done in such a way that it makes the load serving transmission system more resilient, creates opportunities for increased penetration of large loads and renewable resources, and solves existing or future reliability concerns in the transmission system.
Current Cost	\$100.8 M
Expected ISD	07/08/2032
Target Appendix	A

Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50609	Otto Area Rebuild	Age and Condition	11/29/2028	\$4.4 M
<u>50780</u>	<u>West Glencoe</u>	<u>Load Growth</u>	<u>10/31/2027</u>	<u>\$6.5 M</u>
50873	Willmar - Litchfield - Forest City - Hutchinson Rebuild and 115 kV Conversion	Local Reliability	07/08/2032	\$100.8 M
50875	Medford Area Projects	Local Reliability	02/16/2027	\$3.1 M
50876	Boulder Lake 115 kV Project	Load Growth	04/30/2031	\$8.0 M
50877	Pillsbury Area Projects	Age and Condition	12/29/2027	\$3.6 M
50922	Nelson Lake 230 kV interconnections	Local Needs	08/06/2027	\$5.1 M
50923	Franklin to Redwood Rebuild Part 1	Age and Condition	08/03/2032	\$21.6 M
50924	Franklin to Redwood Rebuild Part 2	Age and Condition	08/03/2032	\$21.6 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
50925	Circle Lake to Faribault Line Rebuild Projects	Age and Condition	11/04/2031	\$6.3 M
50926	Sleepy Eye tap Line rebuild Projects	Age and Condition	01/13/2033	\$2.5 M
50933	Paulson area projects	Load Growth	12/05/2031	\$0.2 M
50935	Benton County 230 kV Breaker Replacement	Age and Condition	08/12/2027	\$2.6 M
50938	Peary Area Rebuild Projects	Age and Condition	09/23/2027	\$0.9 M
50941	Foley Sub Area Projects	Local Reliability	11/27/2028	\$9.0 M
50952	Thompson Lake Area Projects	Local Reliability	09/14/2029	\$3.3 M
50953	Dairyland to Summit Area Projects	Local Reliability	04/30/2030	\$21.6 M
50955	May Switch Replacement	Local Reliability	06/15/2027	\$1.4 M

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Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50960	Hugo Switch Retirement	Local Reliability	06/15/2027	\$0.1 M
50965	Kettle River Breaker Station Projects	Age and Condition	09/22/2028	\$8.6 M
50966	Spirit Lake to Opstead Area Projects	Age and Condition	08/03/2032	\$27.3 M
50970	Zimmerman to Princeton Area Project	Age and Condition	01/13/2033	\$15.5 M
50971	Blaine to Hugo Area Project	Age and Condition	01/13/2033	\$9.3 M
50972	Sand Lake to Pike River Area Project	Age and Condition	01/13/2033	\$13.3 M
50973	Blaine to Linwood Area Project	Age and Condition	01/13/2033	\$30.2 M
50974	Athens to Soderville Area Project	Age and Condition	01/28/2032	\$19.0 M
50976	Hubbard Breaker Addition	Age and Condition	08/04/2028	\$4.7 M

Other Projects cont.

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50986	Cedar Mills Switch Replacement	Age and Condition	06/06/2028	\$0.4 M
50987	Rosendale Switch Replacement	Age and Condition	06/06/2028	\$0.7 M
50988	Spicer tap to Willmar line rebuild projects	Age and Condition	11/10/2031	\$12.1 M
50993	Dassel Tap Line Rebuild Projects	Age and Condition	01/21/2030	\$1.7 M
51004	Delano to Crow River Area Project	Age and Condition	01/27/2032	\$14.8 M
51006	Delano to Elk River Area Project	Age and Condition	07/21/2033	\$40.1 M

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Missouri River Energy Services Transmission (MRES)

MISSOURI RIVER ENERGY SERVICES - TRANSMISSION

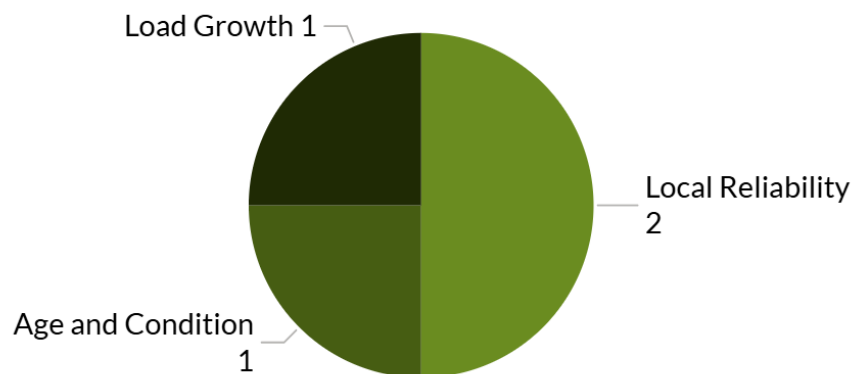
MTEP26 Projects



4
Total Projects

\$15M
Investment

Breakdown of Other Project Types By Project Count



Line Miles by Voltage Level

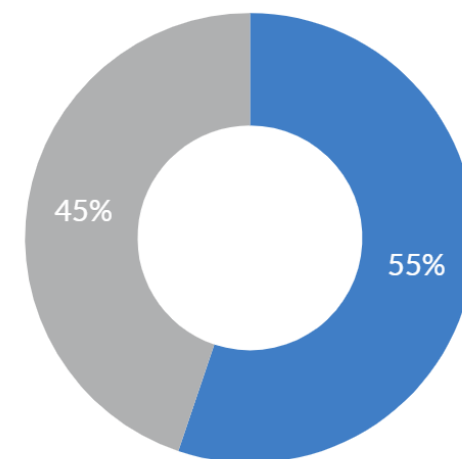
● ≤161 kV

100%

Project Facility Types

As a Percentage of Cost

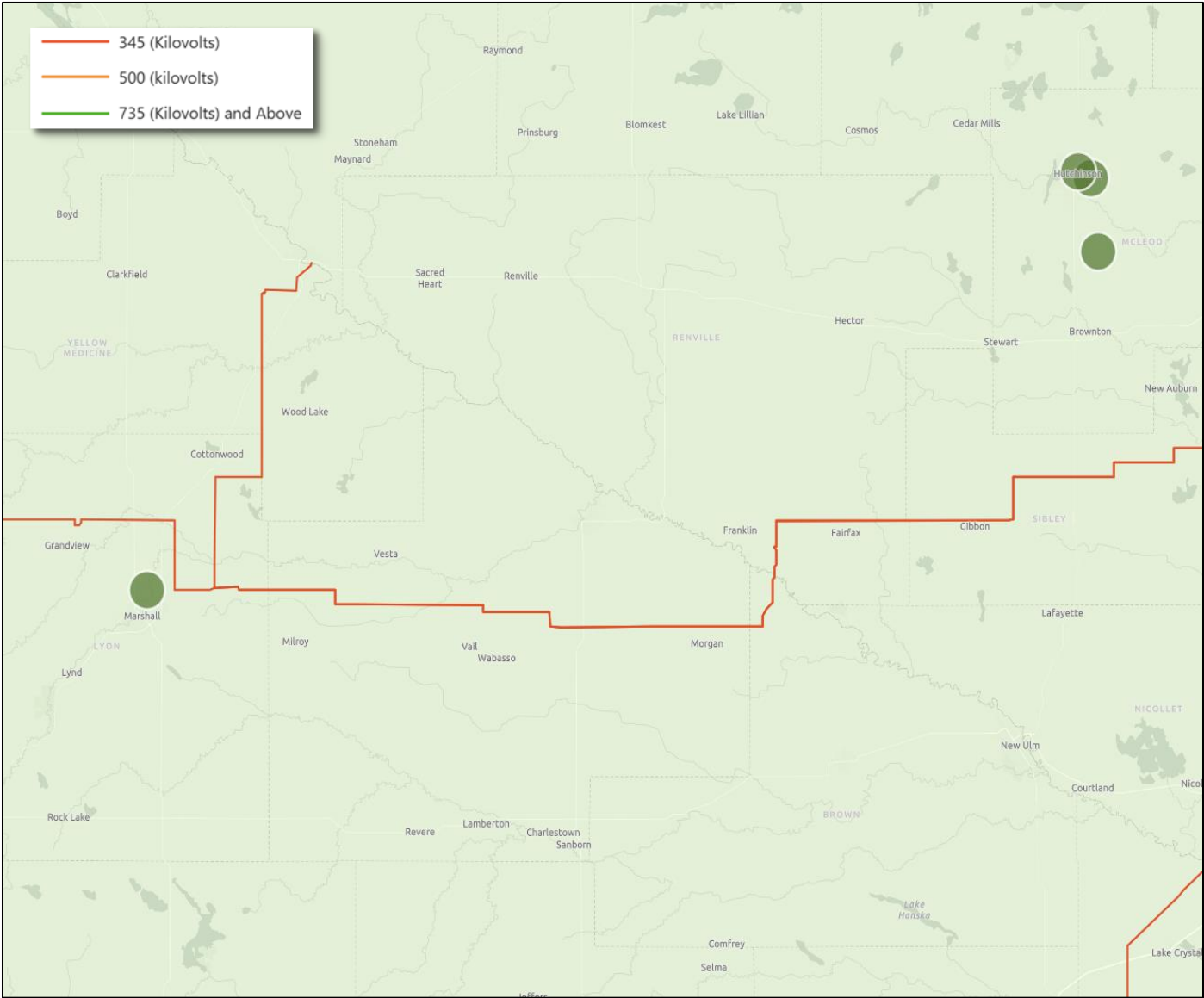
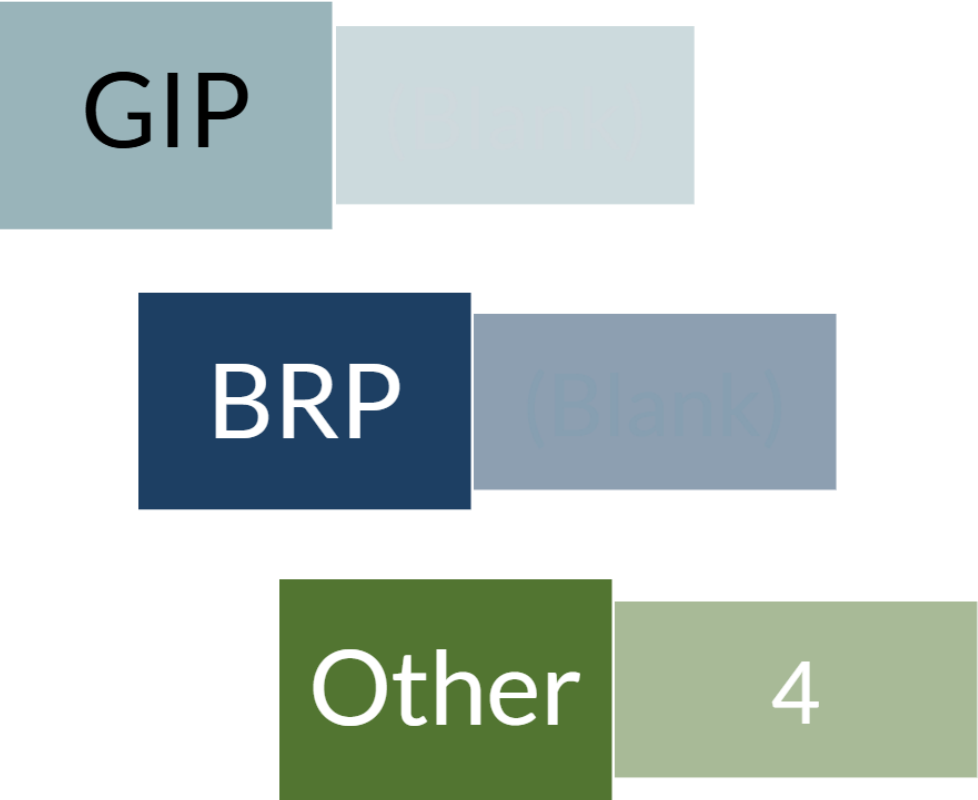
● Line Upgrade ● Substation



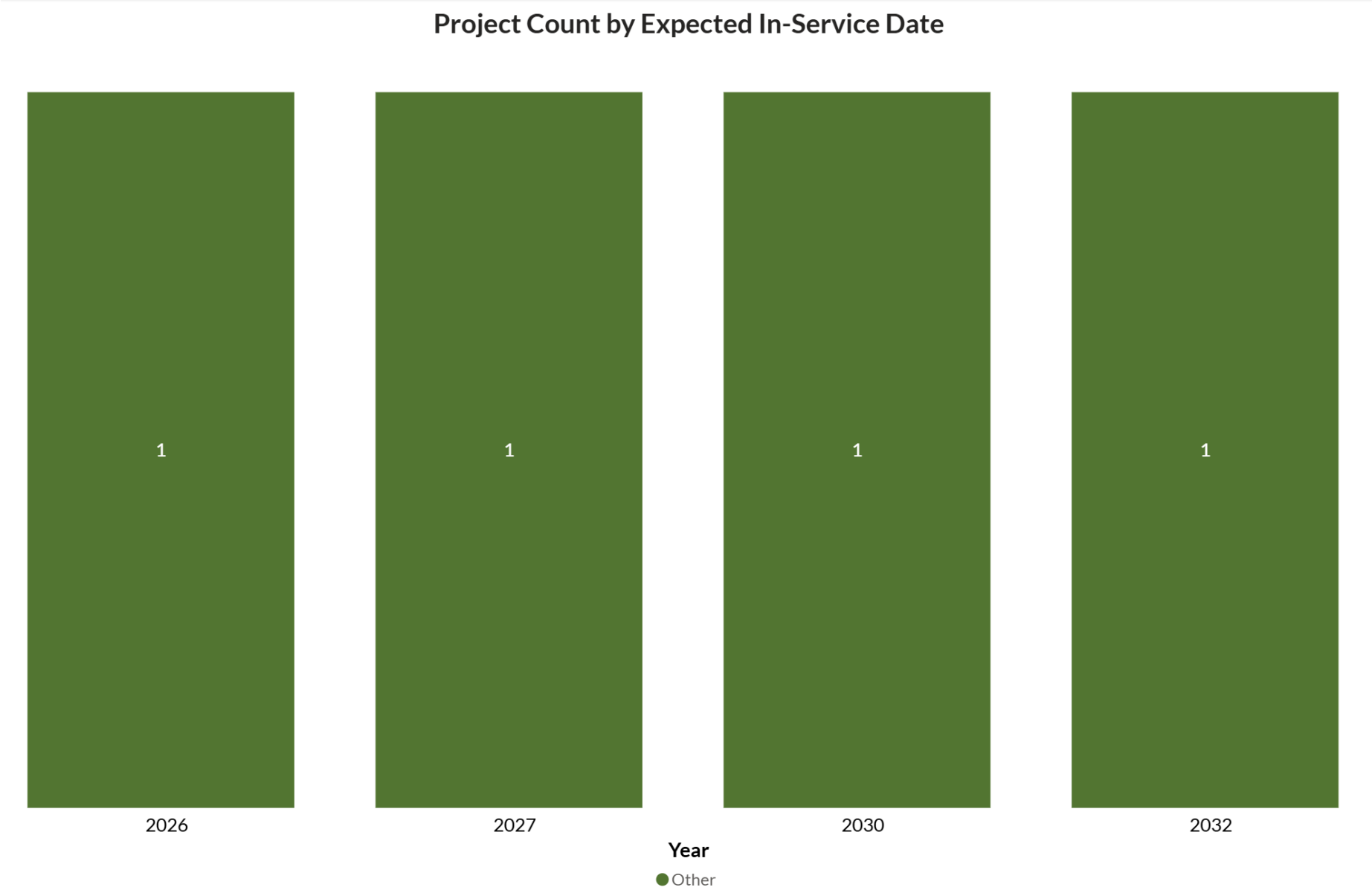
MRES MTEP26 Project Type Breakdown

MISSOURI RIVER ENERGY SERVICES - TRANSMISSION

MTEP26 Summary



MRES MTEP26 ISD Breakdown



Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
50978	Reconstruction of Transmission - Erie Rd Sub to Xcel Lyon County Sub	Age and Condition	12/31/2030	\$5.5 M
50981	McLeod 230/115 kV Relay Upgrades	Local Reliability	03/31/2027	\$0.7 M
<u>51086</u>	<u>New Load on Existing HUC Plant 2 69 kV sub</u>	<u>Load Growth</u>	<u>11/30/2026</u>	<u>\$0.0 M</u>
51094	Hutchinson Rebuild and 115 kV Conversion	Local Reliability	07/09/2032	\$8.9 M

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Montana-Dakota Utilities Co. (MDU)

MONTANA-DAKOTA UTILITIES CO.

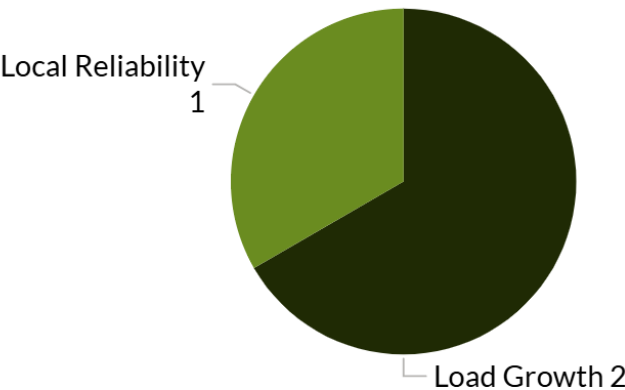
MTEP26 Projects



3
Total Projects

\$112M
Investment

Breakdown of Other Project Types By Project Count



Line Miles by Voltage Level

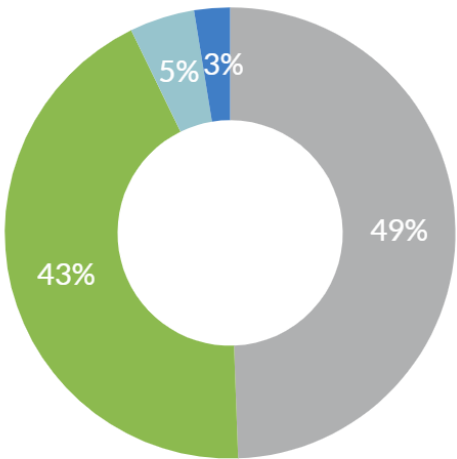
230 kV 345 kV



Project Facility Types

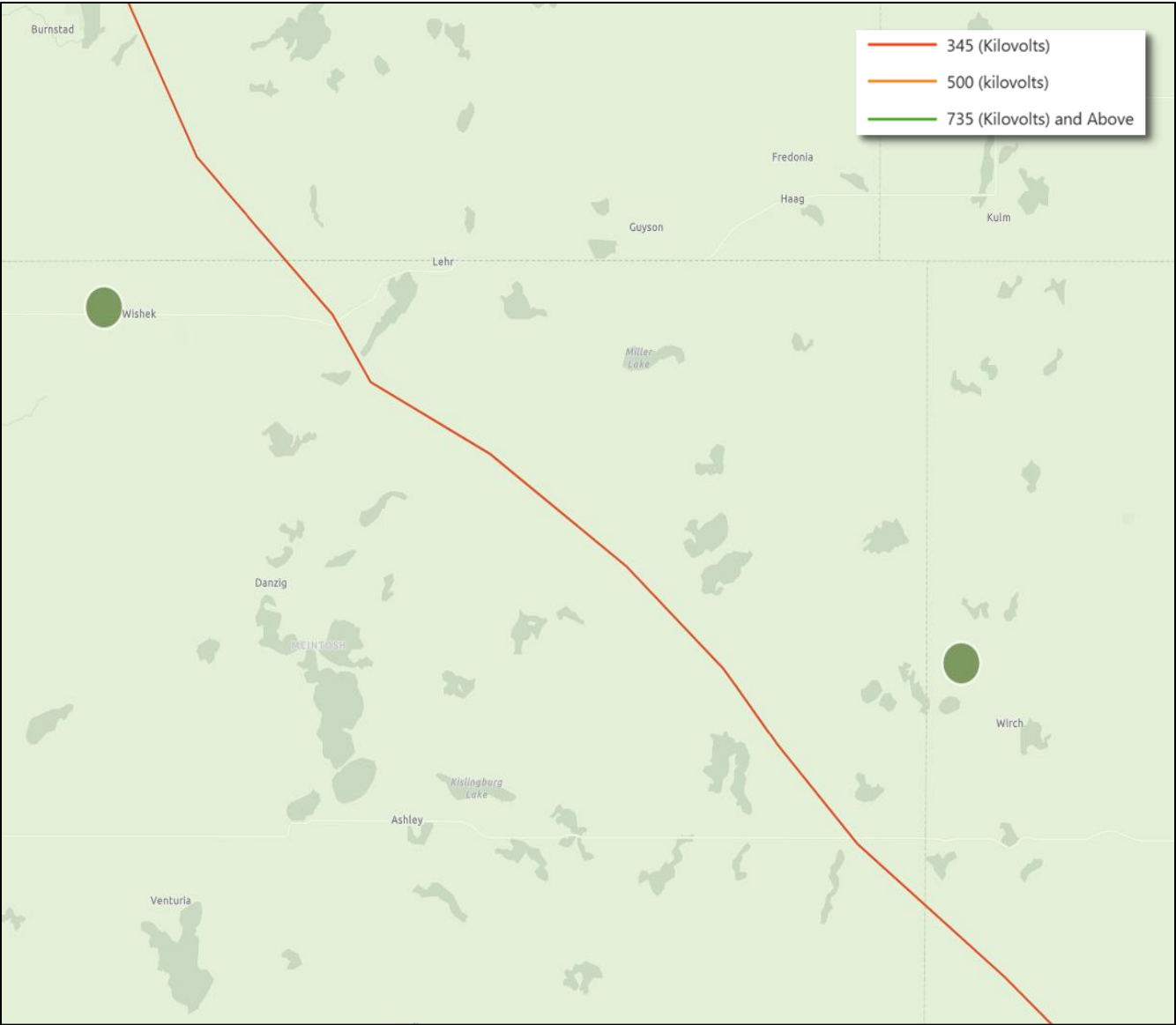
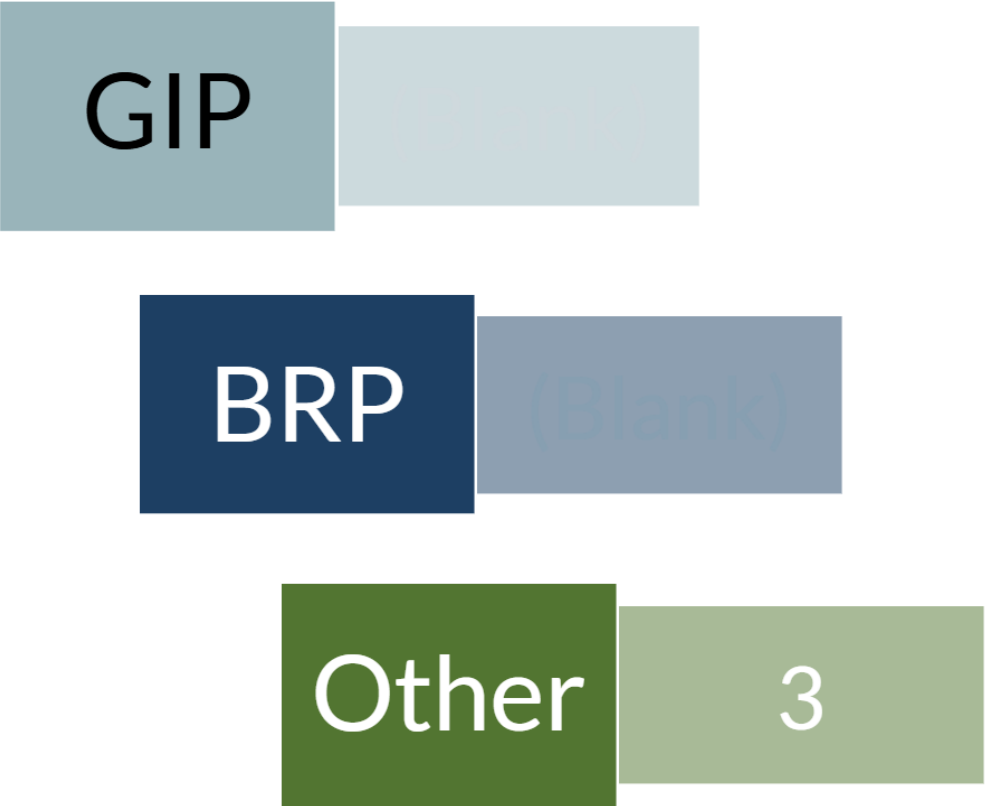
As a Percentage of Cost

Substation Line New Transformer Line Upgrade



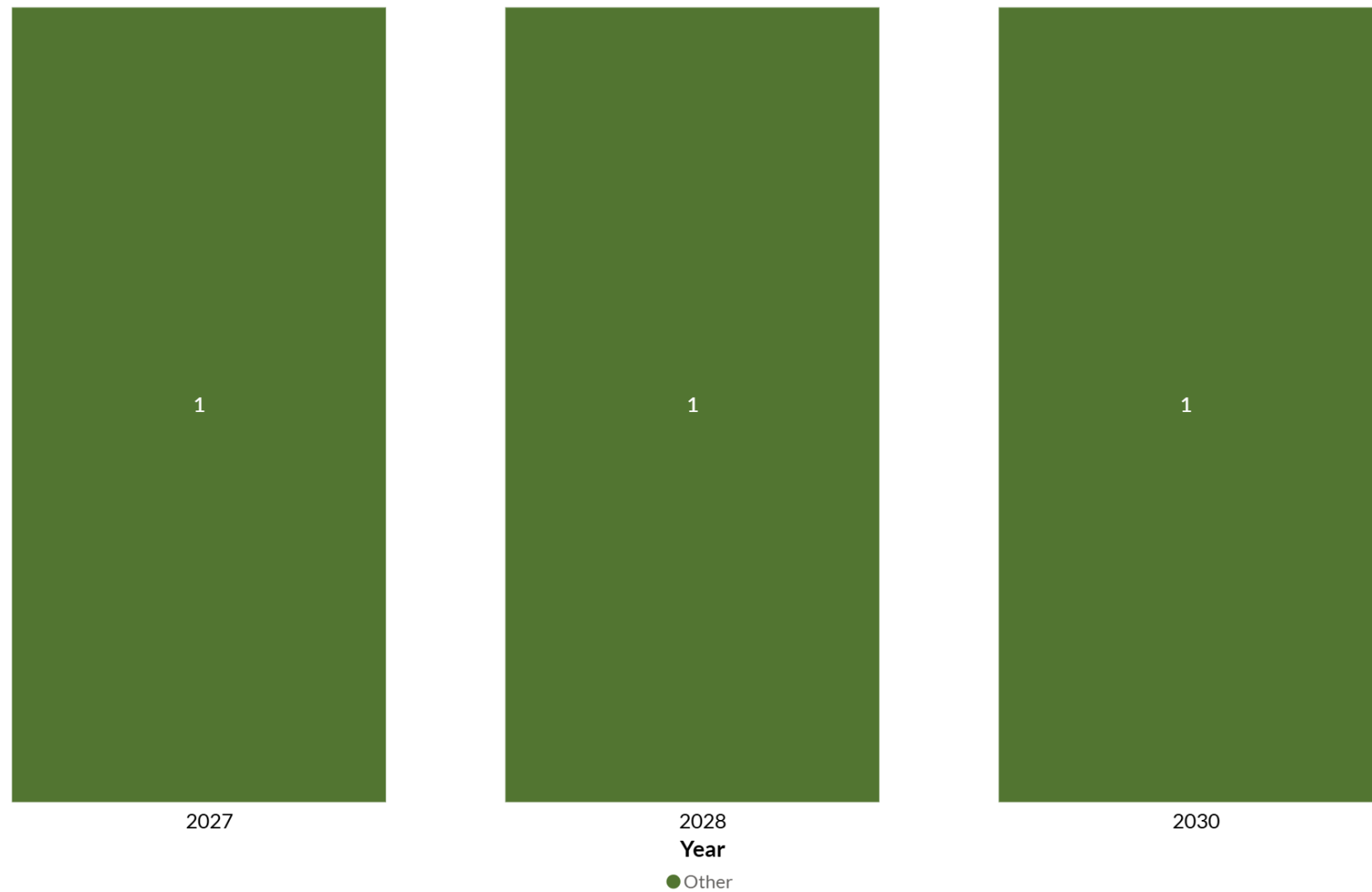
MDU MTEP26 Project Type Breakdown

MONTANA-DAKOTA UTILITIES
CO.
MTEP26 Summary



MDU MTEP26 ISD Breakdown

Project Count by Expected In-Service Date



Other Projects

MTEP Project ID	Project Name	Other Type	Expected ISD	Current Cost
25474	MDU MTEP23 Generator Deliverability Upgrades	Local Reliability	06/01/2028	\$3.0 M
<u>51219</u>	<u>Wishek NW Data Center Load Addition</u>	<u>Load Growth</u>	<u>06/01/2027</u>	<u>\$2.2 M</u>
51293	Hannover Data Center Load Addition	Load Growth	01/01/2030	\$107.0 M

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Questions?



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

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