# MTEP26 SPM Table of Contents

**Central**

**SPM2……2**

**SPM3……576**

**East**

**SPM2……131**

**SMP3……715**

**South**

**SPM2……245**

**SPM3……824**

**West**

**SPM2……392**

**SPM3……948**




MISO

# MTEP26 Reliability Planning Scope Overview

2nd Central Subregional Planning Meeting (CSPM2)

Tuesday, June 2, 2026

# Purpose & Key Takeaway



## Purpose

To show results of MISO's independent assessments and how needs align with MTEP26 projects

## Key Takeaways

- Of those, 190 are proposed in the Central region

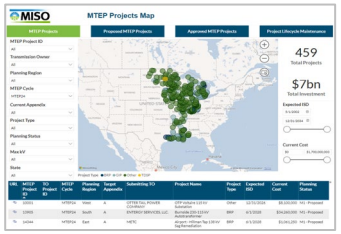
MTEP Portal was used to gather information and develop SPM materials. All data was pulled on May 15, 2026



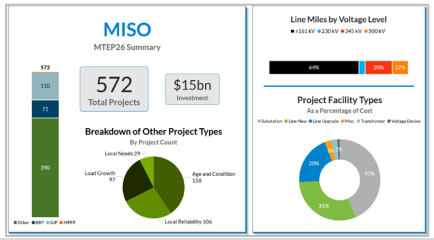
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# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

MTEP Report

Local Reliability Journey Begins Here

We are here (SPM2)

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

**TO/MP Submit Project Proposals**
***Sept. 15th***

| 2025 | | | | | | | | | | | | 2026 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

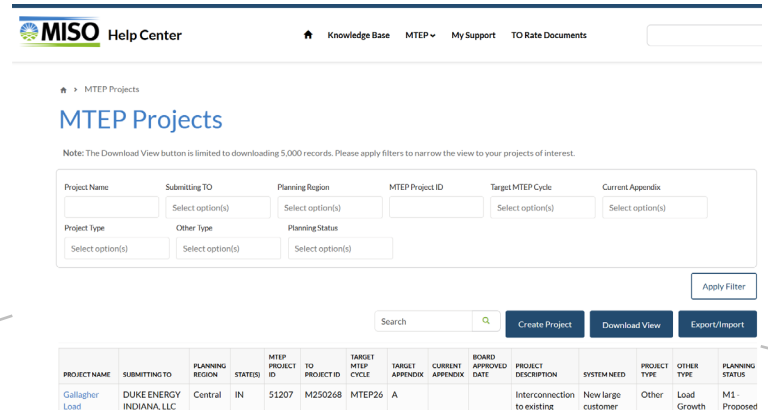
**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

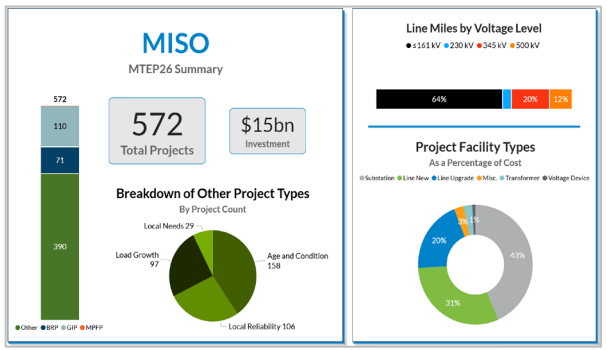
Present Day



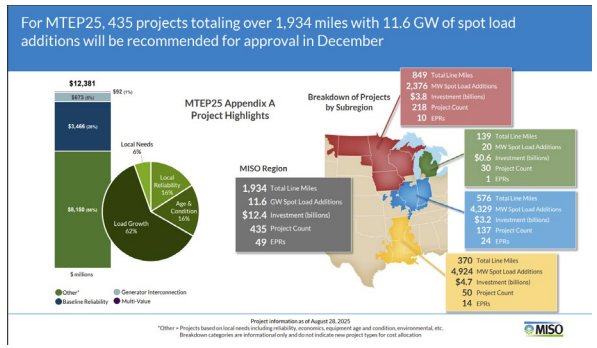
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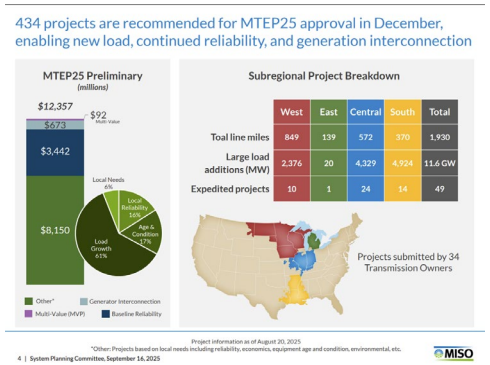

## Subregional Planning Meeting (SPM)



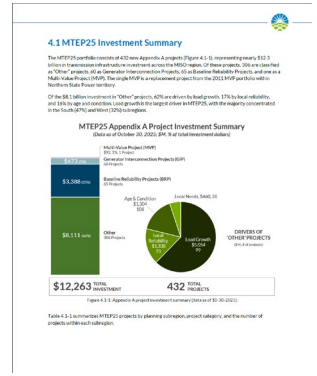

## Planning Advisory Committee (PAC)




## System Planning Committee (SPC)

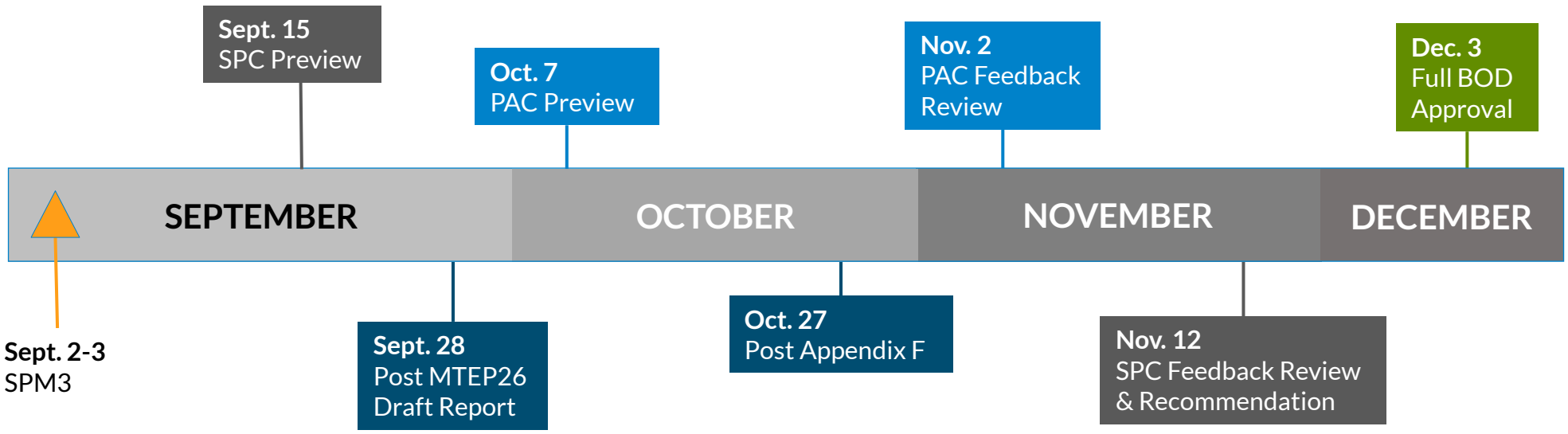



## Official MTEP Report




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**(Sept. 28 – Oct. 12)**
MTEP26 Stakeholder Substantive Feedback Window




## NOTICE

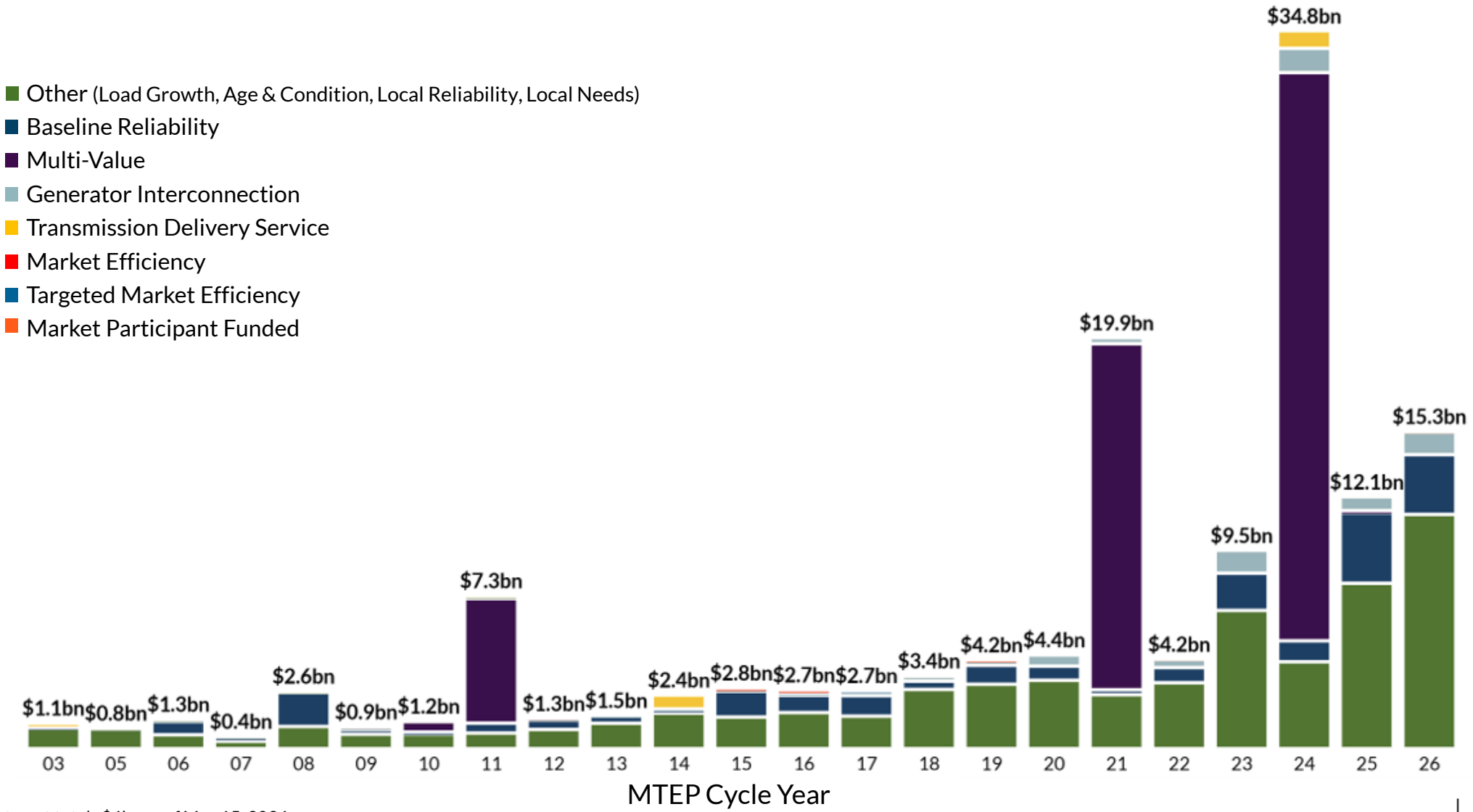
**August 19, 2026 (COB)**
***Deadline** to Update Project Information in the MTEP Portal in order to be presented at SPM3 AND included in MTEP26 Report*

- Planning Advisory Committee
- MTEP Report Public Posting
- System Planning Committee
- Board Final
- Stakeholder Deadlines
- Subregional Planning Meetings (SPM)

Dates as of 5/15/2026



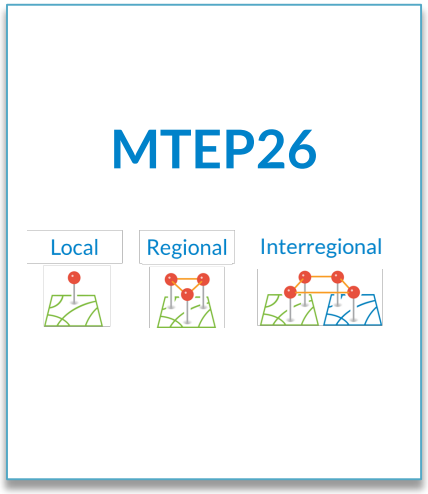
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MTEP26 EPR investment totals $4bn as of May 15, 2026.
We anticipate EPR investment to continue throughout the MTEP cycle.

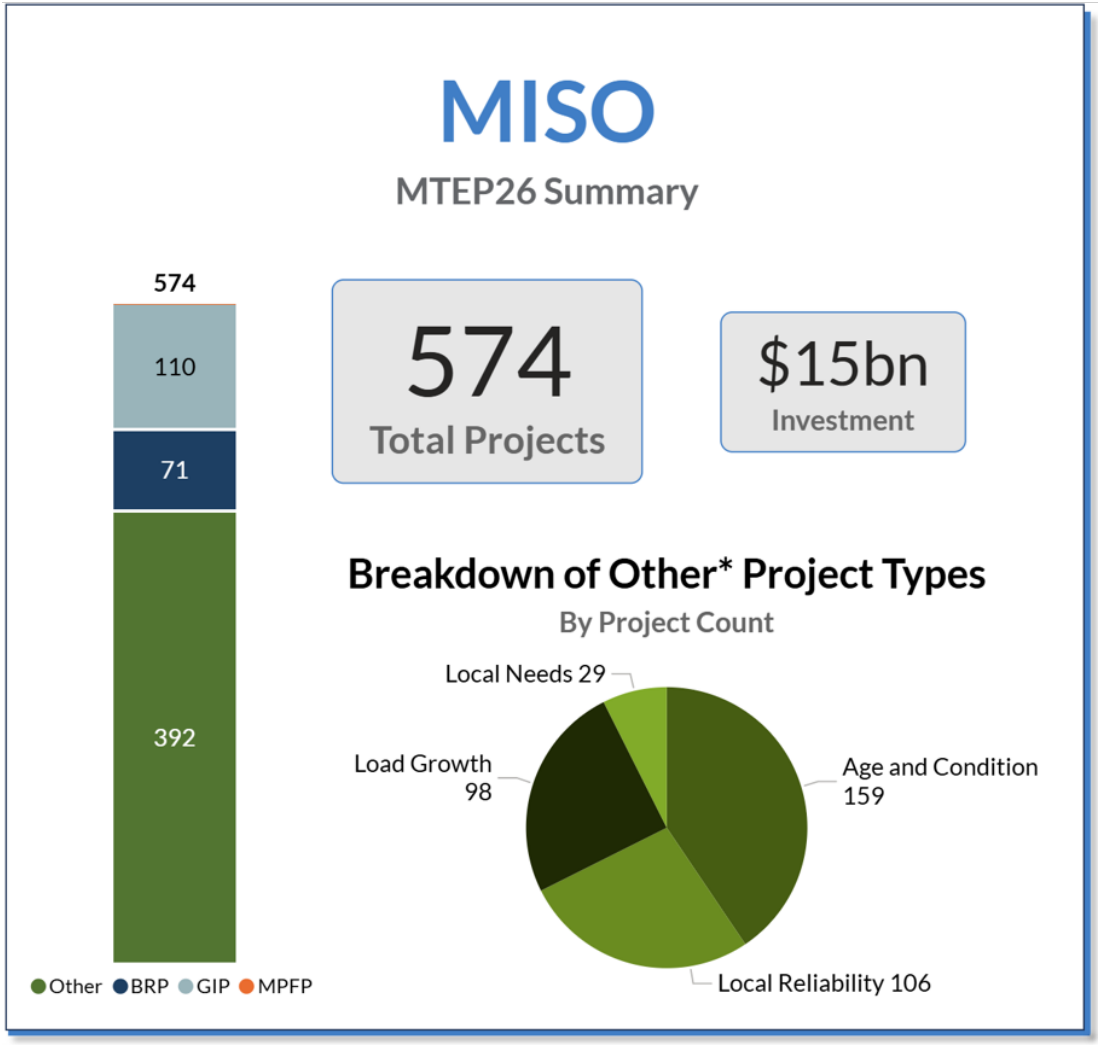
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# MTEP26 Overview




- **Core Reliability Studies**
  - NERC Transmission Planning (TPL) studies for planning horizon
  - Transmission Service Requests
  - Generator Interconnection Requests
  - System Support Resources studies for generator retirements or suspensions
- **On-Going Efforts**
  - Addressing large load additions
  - Completing Futures Redesign process
  - Midwest Long-Range Transmission Planning (LRTP)
  - South LRTP
  - Interregional planning (e.g., PJM and SPP studies)
  - Tranche 1 and 2.1 implementation support (e.g., regulatory process, competitive transmission administration)
  - Order 1920 compliance


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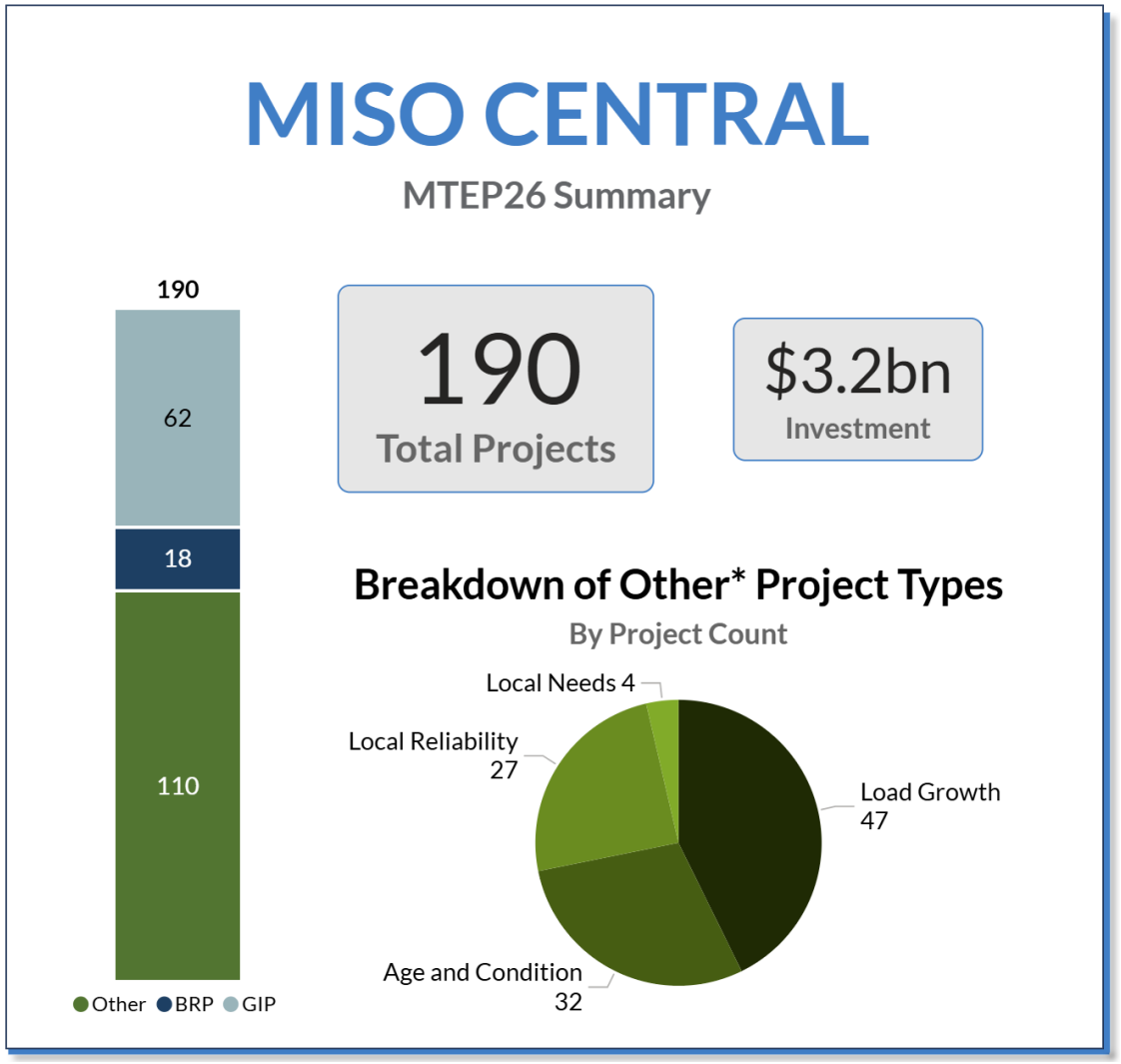

## Insights

- A significant majority of the Expedited Project Review (EPR) projects are to facilitate load growth
- High Voltage projects are supporting large loads and new generation interconnections
- Members continue to plan and invest in specific local needs as the majority of projects apply at 69 kV or 138 kV

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MISO Portal.
Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.



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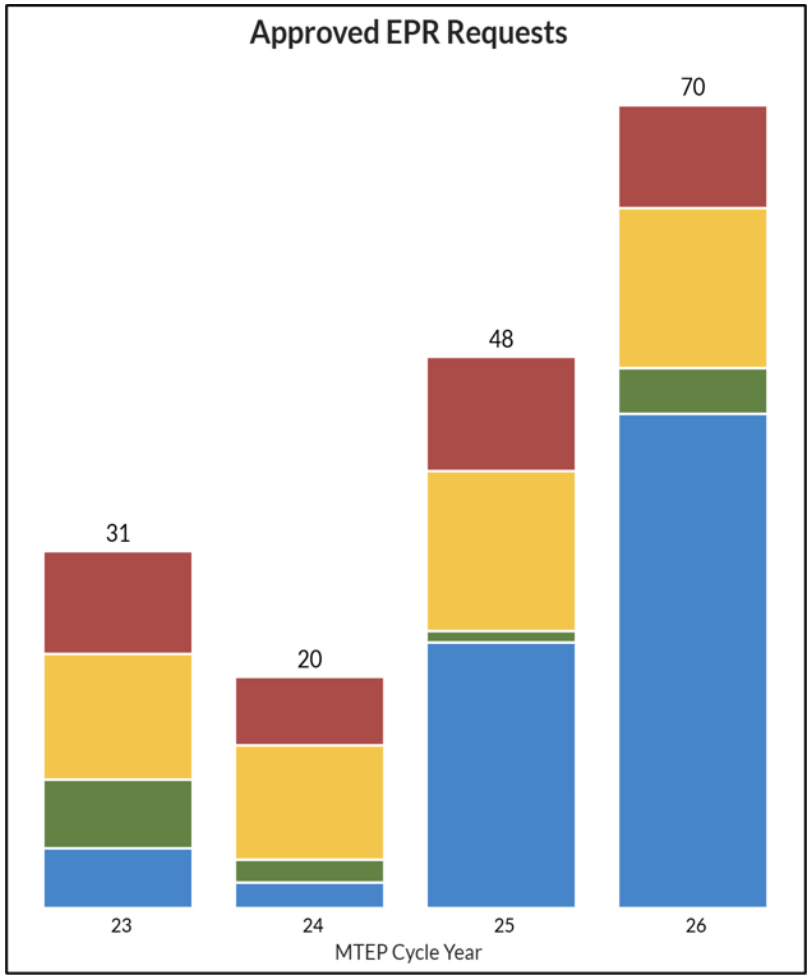


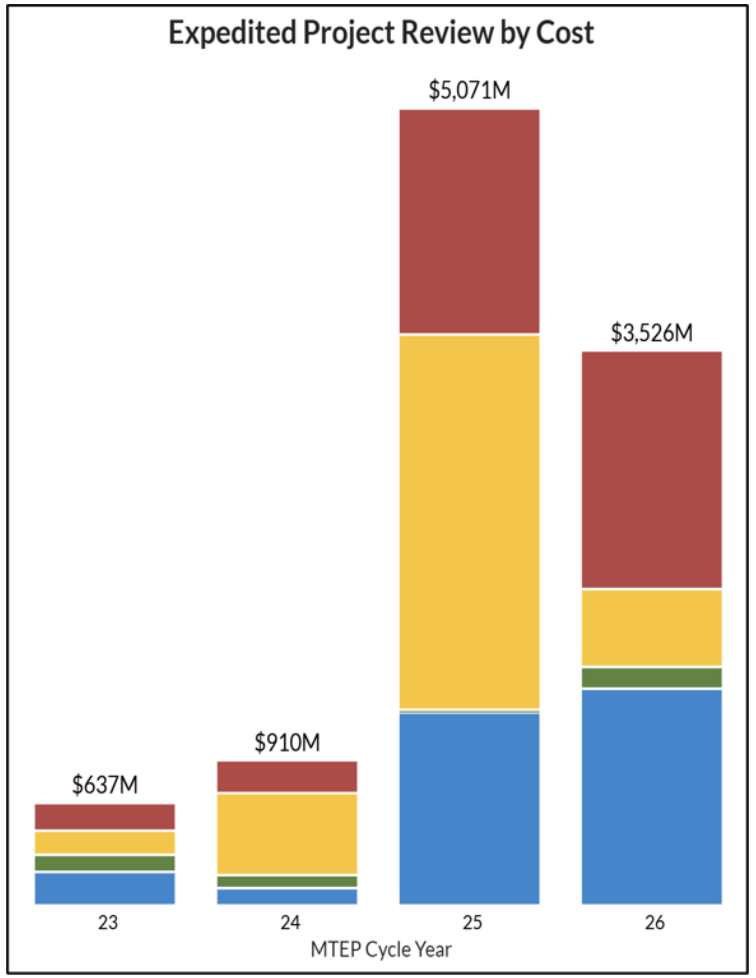

## Insights

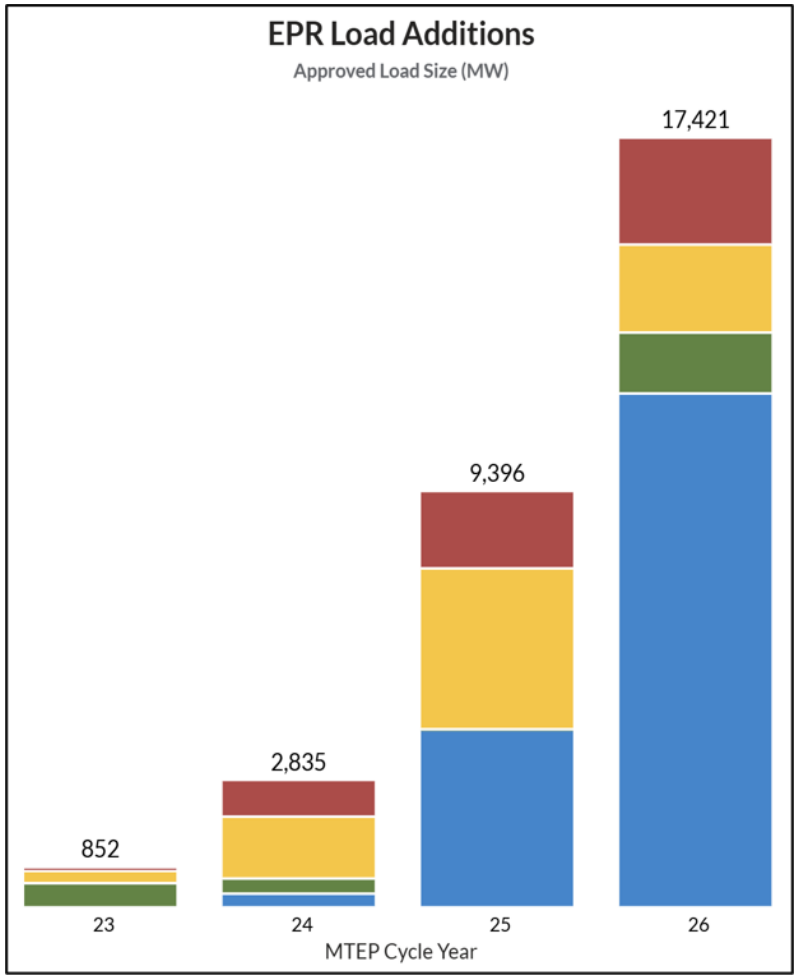
- Load Growth is a main driver for projects in the Central Region
- The majority of Central Region BRP projects are driven by EPRs
- Sharp increase in Generator Interconnection projects this cycle

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MISO Portal.
Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.

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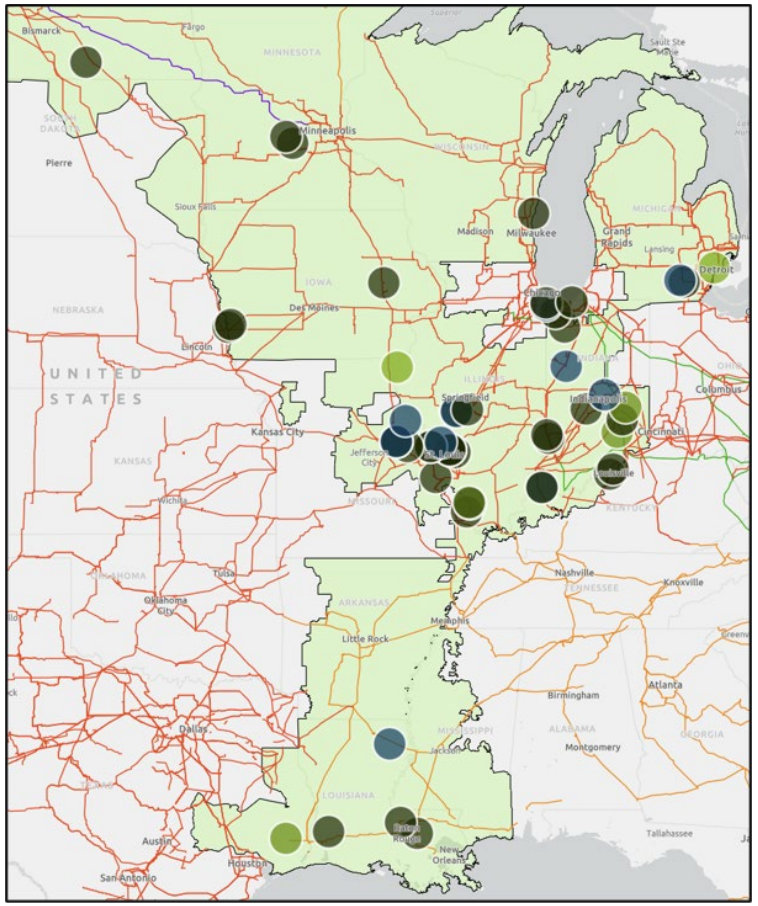




West East Central South

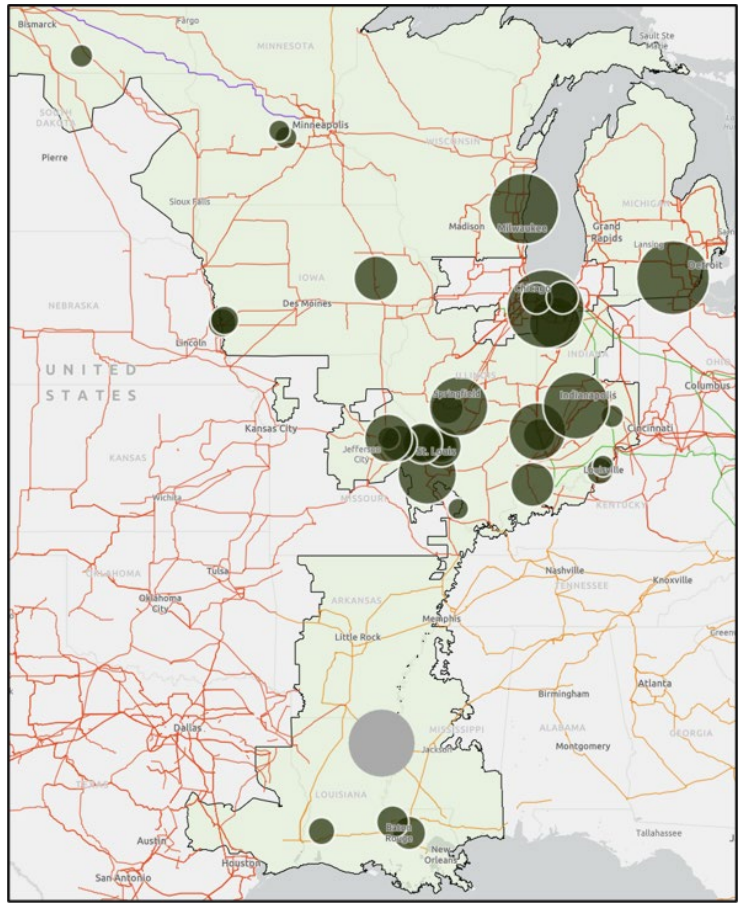
Note: these reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

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# MTEP26 EPR Locations




# MTEP26 EPR Spot Load Locations




| MTEP26 Important EPR Dates | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| September 9, 2025 | |
| October 7, 2025 | October 1, 2025 |
| November 4, 2025 | |
| December 2, 2025 | December 1, 2025 |
| January 6, 2026 | |
| February 3, 2026 | February 2, 2026 |
| March 3, 2026 | |
| April 7, 2026 | April 1, 2026 |
| May 5, 2026 | |
| June 9, 2026 | June 1, 2026 |
| July 7, 2026 | |
| August 4, 2026 | August 3, 2026 |

Note: these reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

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## Things to keep in mind as all MISO Planners present individual TO presentations

- 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*

## Next Steps

### MISO

- Continue performing a global NERC TPL assessment to identify transmission issues
- Assess solutions and alternatives provided by Transmission Owner(s), Stakeholders or MISO staff to ensure compliance
- Select preferred solutions and recommend to Board

### Stakeholders

- Provide process related feedback along with inputs on identified issues and proposed solutions

# 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:**

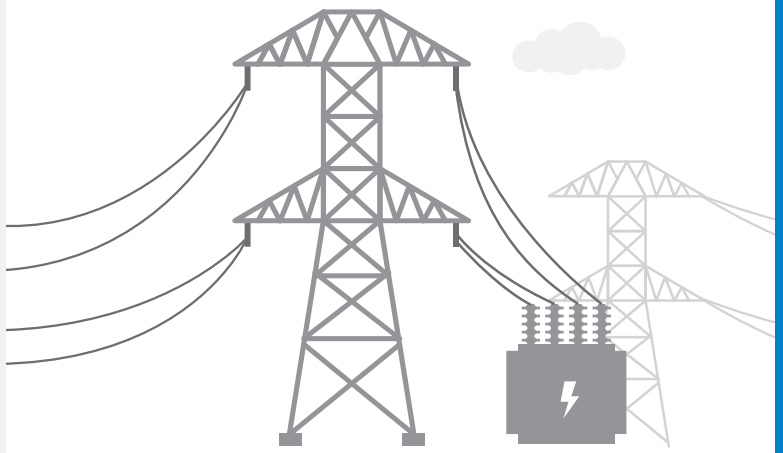
misoenergy.org

LinkedIn: Midcontinent ISO

# Appendix

## NERC reliability planning (MTEP)

- Load generally modeled as the most probable (50/50) coincident
- Generation resources consider signed GIA and approved Attachment Y by horizon
- MTEP A in service by horizon
- 2, 5, 10 years



## Long-term planning (LRTP)

- Projected load growth by existing economic factors and electrification
- Member plans: Utility IRPs and announced state and utility goals
- MTEP A in service by horizon
- 20+ years

**Local / Near-Term** → **Regional / Long-Term**



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| Analysis | Steady State Analysis | Transient Stability Analysis | Voltage Stability Analysis | Transfer Capability Assessment | Nuclear Plant Assessment | Generator Deliverability Analysis |
|---|---|---|---|---|---|---|
| Scope | Contingency analysis for both planning and extreme events | Disturbance analysis for both planning and extreme events | Identify voltage stability limits under a set of transfer scenarios | Evaluate transfer capability of the system under various transfer scenarios | Monitor and identify potential NPIR violations | Determine deliverability of existing network resources |
| Horizon | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) | Near term (year 5) | Near term (year 5) | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) |
| Standard | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • FAC-014<br>• PRC- 023 | • FAC-013<br>• FAC-014<br>• PRC- 023 | • NUC-001<br>• PRC-023 | |



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# MTEP PROJECT CATEGORIES

| Multi-Value Projects (MVP) | Market Efficiency Projects (MEP) | Baseline Reliability Projects (BRP) | Generator Interconnection Projects | Transmission Delivery Service Projects | Other Projects | Market Participant Funded Projects |
|---|---|---|---|---|---|---|
| Provide regional public policy, economic and/or reliability benefits | Address market transmission congestion | Required to meet standards for both NERC and regional reliability | Needed to reliably connect new generation to the transmission grid | Enable power delivery | Address local reliability issues and/or provide local economic benefit | Funded by project requestor (often not a Transmission Owner) |



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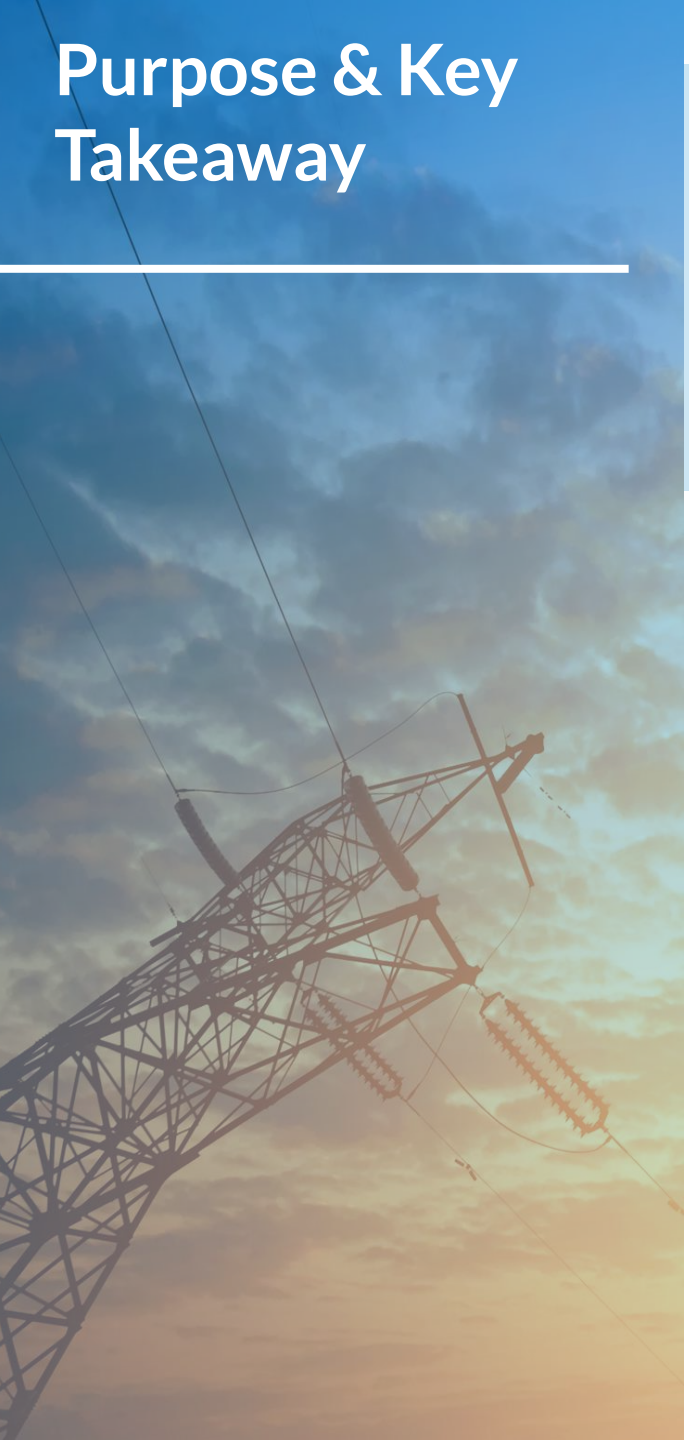

# MTEP26 Project Information
# MISO Central Region – Illinois

2nd Central Subregional Planning Meeting

Tuesday, June 2, 2026

Update (6/1/2026): project removed from change table on slide 6

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



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# Illinois Region Overview

The details of the submitted projects and their costs per Illinois TO are shown below:

- AMIL: 56 projects at an estimated cost of $556 million
- PPI: 13 projects at an estimated cost of $77 million
- CWLP, GLH & SIPC did not submit projects for consideration in MTEP26


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# Ameren Illinois

# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 25121 | New Coles Wind Wayward 345 kV Substation (J2128) | GIP | Project ISD changed from 12/1/2025 to 12/1/2026 |
| 51209 | Rebuild Leatherneck 138 kV Ring Bus | Other – Age and Condition | Project ISD changed from 12/1/2028 to 12/1/2029, Project Type changed from 'BRP' to 'Other – Age and Condition' |
| 51222 | Edwards 3 R1055 BESS | GIP | Project added to MTEP26 |
| 51267 | Cardinal Point Wind (J2189) New Position at Hornsby 138 kV | GIP | Project added to MTEP26 |
| 51268 | Moonshine Storage (J2159) Relay Upgrade at Bootleg 138 kV | GIP | Project added to MTEP26 |
| 51269 | Phoebe Energy Storage (J2203) New Position at East Quincy 138 kV | GIP | Project added to MTEP26 |
| 51270 | Champaign Wind (J1967) New Position at Rantoul 138 kV | GIP | Project added to MTEP26 |
| 51271 | Cumberland Road (J2036) New Position at Smuggler 138 kV | GIP | Project added to MTEP26 |
| 51272 | Foxglove Wind (J2049) Raider 138 kV Ring Bus | GIP | Project added to MTEP26 |
| 51273 | Gem City Solar (J2258) Talon 138 kV Ring Bus | GIP | Project added to MTEP26 |
| 51274 | KCE IL 2 (J2195) New Position at Ramsey East 138 kV | GIP | Project added to MTEP26 |
| 51275 | Prairie Flats Solar (J2273) New Position at Tabor 138 kV | GIP | Project added to MTEP26 |
| 51276 | Prairie Violet (J2247) New Position at Woodhall 138 kV | GIP | Project added to MTEP26 |
| 51277 | Saluki Power (J2151) Waters 138 kV Ring Bus | GIP | Project added to MTEP26 |
| 51278 | San Jose BESS (J1882) New Position at San Jose Rail 138 kV | GIP | Project added to MTEP26 |



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# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51279 | Sky Yield Wind (J2311/J2312) New Position at Putnam 138 kV | GIP | Project added to MTEP26 |
| 51280 | Tazewell Wind (J1926) New Position at Mackinaw 138 kV | GIP | Project added to MTEP26 |
| 51281 | Woodberry Solar (J2136) New Position at Gilman South 138 kV | GIP | Project added to MTEP26 |
| 51282 | BRP Rebel BESS (J2124) New Position at Rising 345 kV | GIP | Project added to MTEP26 |
| 51283 | Crab Orchard Renewables (J2267) New Position at Stilleys 345 kV | GIP | Project added to MTEP26 |
| 51284 | Fulton County Solar (J2186) New Position at Duck Creek 345 kV | GIP | Project added to MTEP26 |
| 51285 | KCE IL 1 (J2197) New Position at Xenia 345 kV | GIP | Project added to MTEP26 |
| 51286 | Mural Energy 2 - Solar (J2233) Marley 345 kV Ring Bus | GIP | Project added to MTEP26 |
| 51287 | Rail Line Solar (J2033) Fauna 345 kV Ring Bus | GIP | Project added to MTEP26 |
| 51288 | River Ferry Battery Storage (J2170) New Position at Snyder 345 kV | GIP | Project added to MTEP26 |
| 51289 | Solar Eagle (J2171) Moonflower 345 kV Ring Bus | GIP | Project added to MTEP26 |
| 51290 | Tunnel Hill Solar (J2156) Swampwood 345 kV Ring Bus | GIP | Project added to MTEP26 |
| 51291 | Violet Solar (J2131) Isaac 345 kV Ring Bus | GIP | Project added to MTEP26 |
| 51292 | Whitetail Renewables I (J2266) Thor 345 kV Ring Bus | GIP | Project added to MTEP26 |

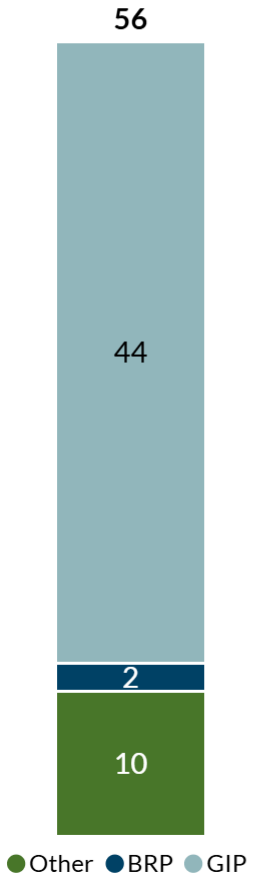
Update (6/1/2026): project removed



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# AMEREN ILLINOIS

## MTEP26 Projects

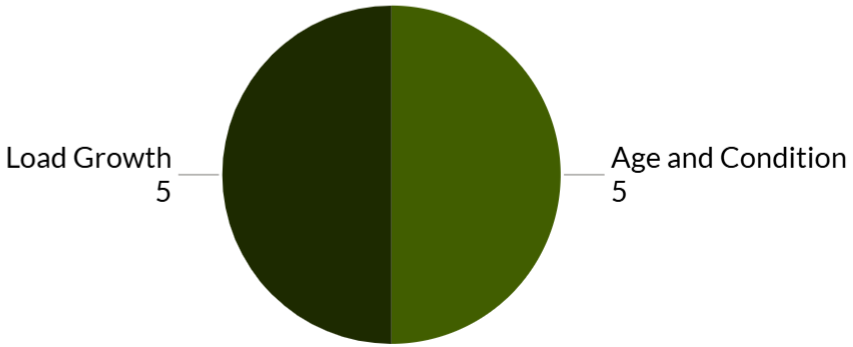



**56**
Total Projects

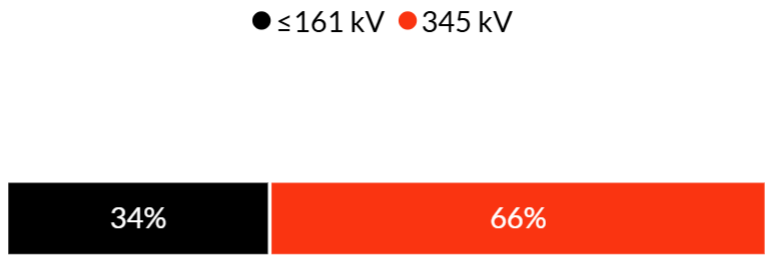
**$556M**
Investment

## Breakdown of Other Project Types

By Project Count

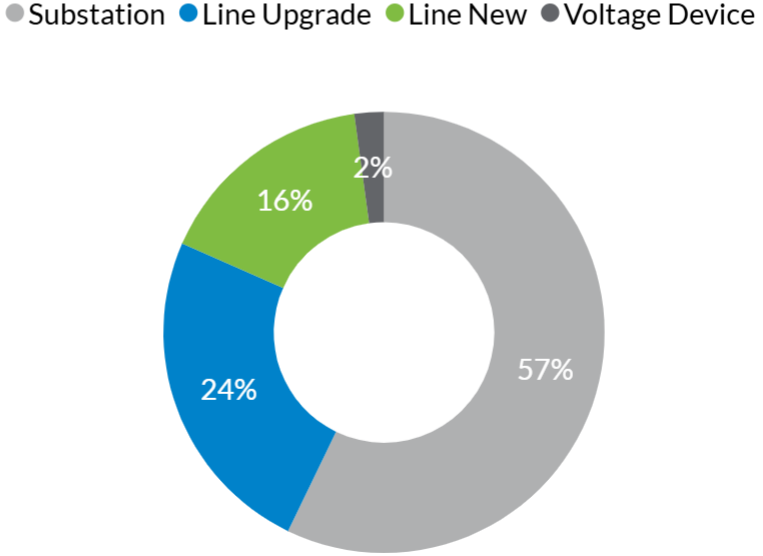



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

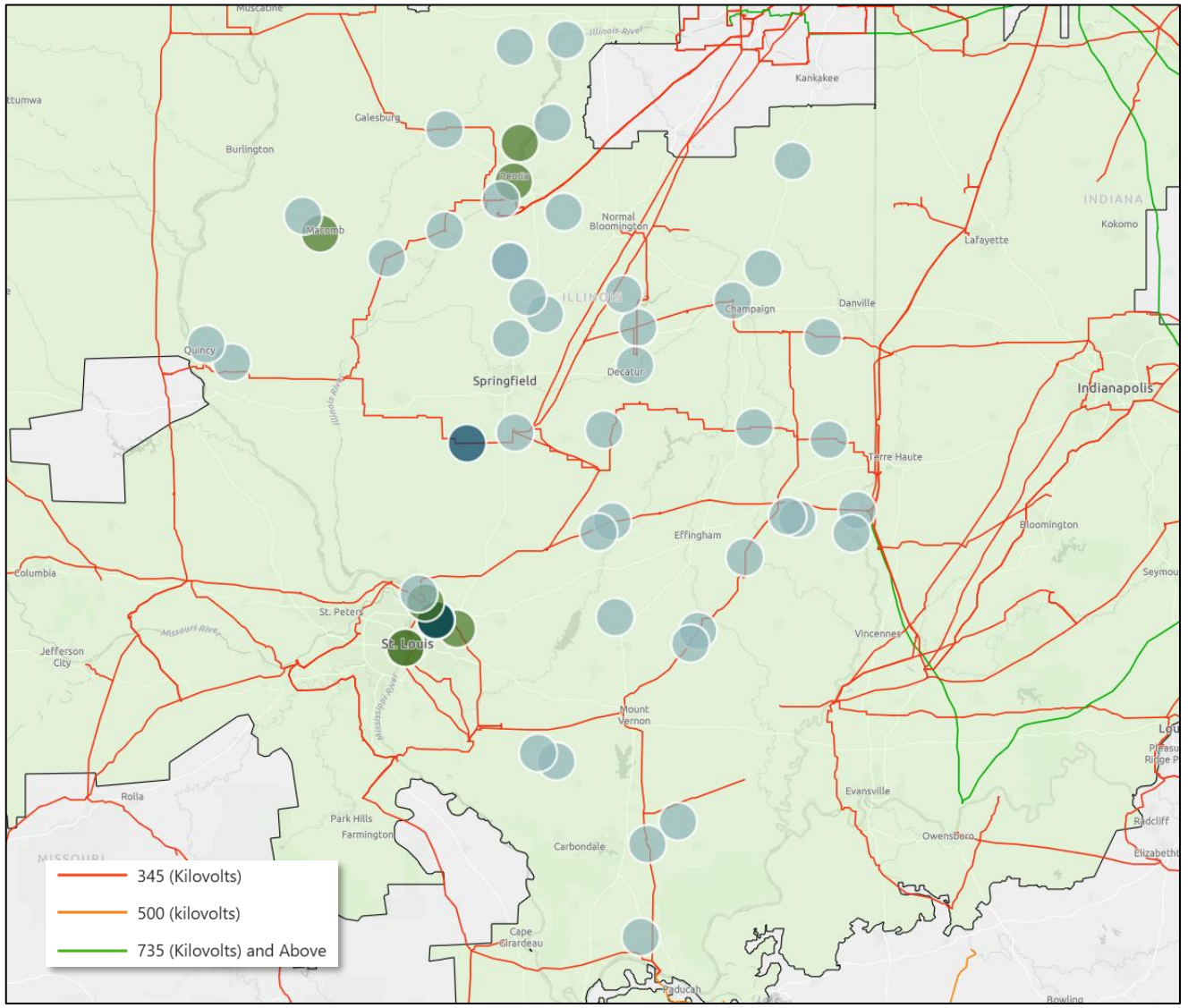
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# AMIL MTEP26 Project Type Breakdown

## AMEREN ILLINOIS

### MTEP26 Summary

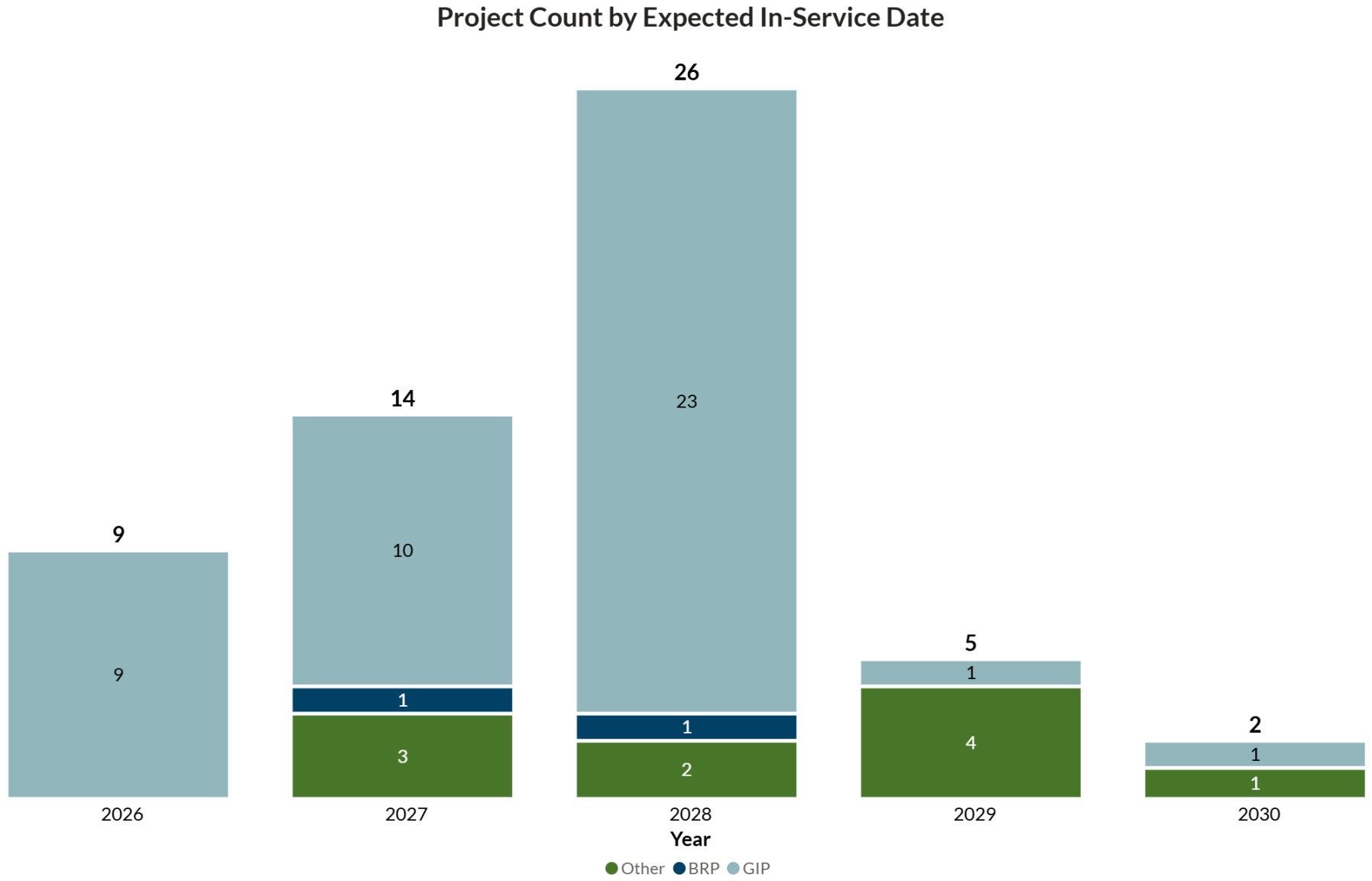
| | |
|---|---|
| GIP | 44 |
| BRP | 2 |
| Other | 10 |




Project information as of 5/15/26.

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# AMIL MTEP26 ISD Breakdown




Project information as of 5/15/26.

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# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50633 | Rebuilds on 138 kV from Diamond Core Load Addition (RECC Territory) | 12/01/2027 | $50.2 M |
| 51123 | New 300 MVAR Cap Bank at Truett 345 kV Substation | 12/01/2028 | $12.0 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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 22877 | Upgrade Cat 1 138 kV substation | Age and Condition | 12/01/2028 | $8.0 M |
| 22879 | Upgrade Cat Mossville 138 kV substation | Age and Condition | 06/01/2029 | $5.0 M |
| 50882 | Replace Breakers and Relays Program - MTEP26 | Age and Condition | 12/31/2027 | $5.0 M |
| 50883 | Replace Pole and Insulator Program - MTEP26 | Age and Condition | 12/31/2027 | $20.0 M |
| **50885** | **New CADC 138 kV Ring bus** | **Load Growth** | **12/01/2029** | **$24.1 M** |
| **51177** | **New Stallings-Roxford-4581 345 kV Temporary Tap (Truett Phase 0.5)** | **Load Growth** | **12/01/2027** | **$0.2 M** |
| **51178** | **New Load Addition at New Truett 345 kV Substation (Truett Phase 1)** | **Load Growth** | **12/01/2028** | **$34.9 M** |
| **51179** | **New 345 kV Lines for New Truett Load Addition (Truett Phase 2)** | **Load Growth** | **12/01/2030** | **$87.2 M** |
| 51209 | Rebuild Leatherneck 138 kV Ring Bus | Age and Condition | 12/01/2029 | $15.5 M |
| **51320** | **Temporary Tap for Truett 500 MW** | **Load Growth** | **06/01/2029** | **$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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 25121 | New Coles Wind Wayward 345 kV Substation (J2128) | 12/01/2026 | $11.0 M |
| 50046 | New San Jose Solar 138 kV interconnection (J1653) | 06/01/2027 | $0.8 M |
| 50047 | New Howlett 138 kV interconnection (J1651) | 12/01/2026 | $0.8 M |
| 50049 | New Triple Black Diamond Solar 345 kV ring bus (J1840) | 12/01/2027 | $12.0 M |
| 50053 | New Hercules Solar 138 kV interconnection (J1626) | 12/01/2026 | $0.8 M |
| 50076 | New Shockey 138 kV interconnection (J1831) | 06/01/2026 | $0.8 M |
| 50078 | New ADM North 138 kV Connection (J1839) | 12/01/2027 | $0.8 M |
| 50080 | New Bureau 138 kV interconnection (J1755) | 06/01/2026 | $0.8 M |
| 50083 | New Leghorn 345 kV Connection (J1677) | 12/01/2026 | $1.1 M |



Unlabeled

# Generator Interconnection Projects (GIPs) cont.

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50085 | New San Jose Rail 138 kV Connection (J1725) | 12/01/2026 | $0.8 M |
| 50114 | New Camp Creek Wind 138 kV Connection (J1701) | 06/01/2027 | $9.5 M |
| 50116 | New Geranium Solar 345 kV interconnection (J1712) | 12/01/2027 | $13.0 M |
| 50117 | New Cumberland Road South Solar 138 kV Connection (J1744) | 06/01/2027 | $9.0 M |
| 50773 | Moro-Laclede NTP 478MVA Rebuild MPFCA | 06/01/2029 | $15.0 M |
| 50774 | Four Creeks Wind (J2275) Wells 345kV Ring Bus | 12/01/2027 | $16.2 M |
| 51110 | Mulligan Storage (S1048) Fogarty 138 kV Surplus Interconnection | 07/01/2027 | $0.1 M |
| 51117 | C1801 Kincaid-Austin-4522 345 kV MPFCA | 06/01/2027 | $20.7 M |
| 51222 | Edwards 3 R1055 BESS | 06/01/2030 | $0.1 M |



Unlabeled

# Generator Interconnection Projects (GIPs) cont.

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51267 | Cardinal Point Wind (J2189) New Position at Hornsby 138 kV | 12/01/2026 | $0.1 M |
| 51268 | Moonshine Storage (J2159) Relay Upgrade at Bootleg 138 kV | 12/01/2026 | $0.1 M |
| 51269 | Phoebe Energy Storage (J2203) New Position at East Quincy 138 kV | 12/01/2027 | $1.4 M |
| 51270 | Champaign Wind (J1967) New Position at Rantoul 138 kV | 06/01/2028 | $1.1 M |
| 51271 | Cumberland Road (J2036) New Position at Smuggler 138 kV | 06/01/2028 | $0.1 M |
| 51272 | Foxglove Wind (J2049) Raider 138 kV Ring Bus | 06/01/2028 | $11.5 M |
| 51273 | Gem City Solar (J2258) Talon 138 kV Ring Bus | 06/01/2028 | $14.6 M |
| 51274 | KCE IL 2 (J2195) New Position at Ramsey East 138 kV | 06/01/2028 | $1.6 M |
| 51275 | Prairie Flats Solar (J2273) New Position at Tabor 138 kV | 06/01/2028 | $0.6 M |



Unlabeled

# Generator Interconnection Projects (GIPs) cont.

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51276 | Prairie Violet (J2247) New Position at Woodhall 138 kV | 06/01/2028 | $0.7 M |
| 51277 | Saluki Power (J2151) Waters 138 kV Ring Bus | 06/01/2028 | $1.1 M |
| 51278 | San Jose BESS (J1882) New Position at San Jose Rail 138 kV | 06/01/2028 | $0.1 M |
| 51279 | Sky Yield Wind (J2311/J2312) New Position at Putnam 138 kV | 06/01/2028 | $0.7 M |
| 51280 | Tazewell Wind (J1926) New Position at Mackinaw 138 kV | 06/01/2028 | $2.3 M |
| 51281 | Woodberry Solar (J2136) New Position at Gilman South 138 kV | 06/01/2028 | $1.3 M |
| 51282 | BRP Rebel BESS (J2124) New Position at Rising 345 kV | 12/01/2028 | $1.5 M |
| 51283 | Crab Orchard Renewables (J2267) New Position at Stilleys 345 kV | 12/01/2028 | $1.2 M |
| 51284 | Fulton County Solar (J2186) New Position at Duck Creek 345 kV | 12/01/2028 | $1.8 M |



Unlabeled

# Generator Interconnection Projects (GIPs) cont.

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51285 | KCE IL 1 (J2197) New Position at Xenia 345 kV | 12/01/2028 | $15.6 M |
| 51286 | Mural Energy 2 - Solar (J2233) Marley 345 kV Ring Bus | 12/01/2028 | $7.5 M |
| 51287 | Rail Line Solar (J2033) Fauna 345 kV Ring Bus | 12/01/2028 | $14.6 M |
| 51288 | River Ferry Battery Storage (J2170) New Position at Snyder 345 kV | 12/01/2028 | $1.7 M |
| 51289 | Solar Eagle (J2171) Moonflower 345 kV Ring Bus | 12/01/2028 | $18.6 M |
| 51290 | Tunnel Hill Solar (J2156) Swampwood 345 kV Ring Bus | 12/01/2028 | $15.3 M |
| 51291 | Violet Solar (J2131) Isaac 345 kV Ring Bus | 12/01/2028 | $50.0 M |
| 51292 | Whitetail Renewables I (J2266) Thor 345 kV Ring Bus | 12/01/2028 | $15.6 M |



Unlabeled

# Prairie Power, Inc.

# PRAIRIE POWER, INC.

MTEP26 Projects

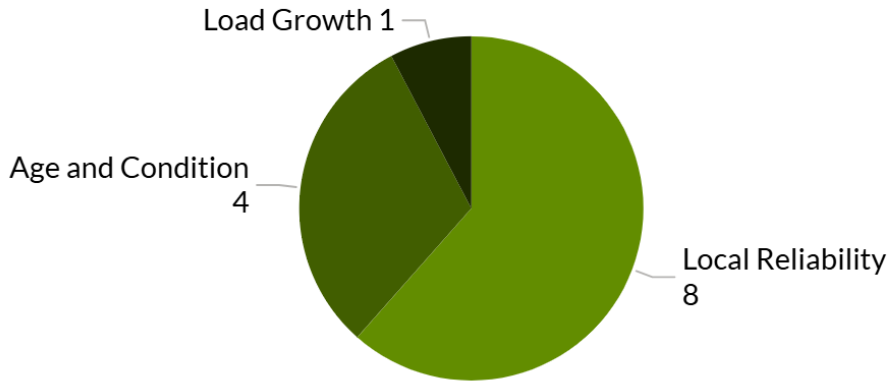



**13**
Total Projects

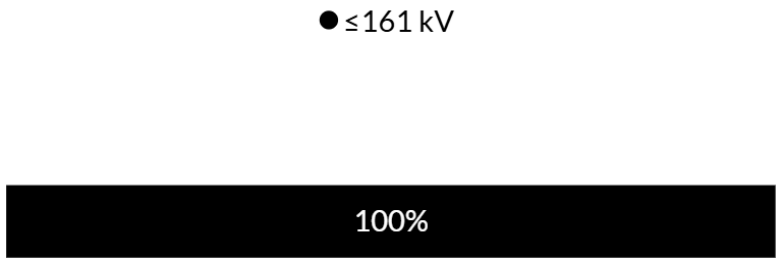
**$77M**
Investment

## Breakdown of Other Project Types

By Project Count

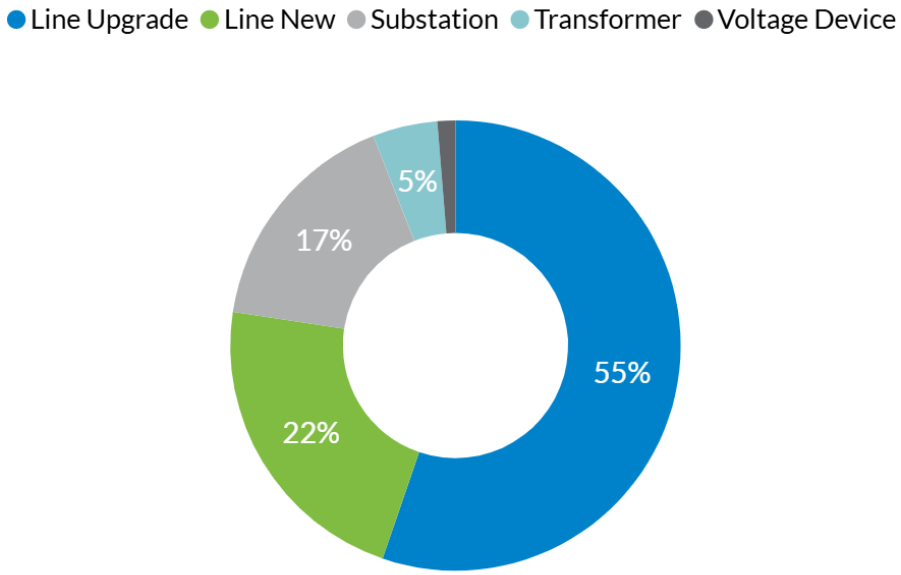



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



Unlabeled

# PPI MTEP26 Project Type Breakdown

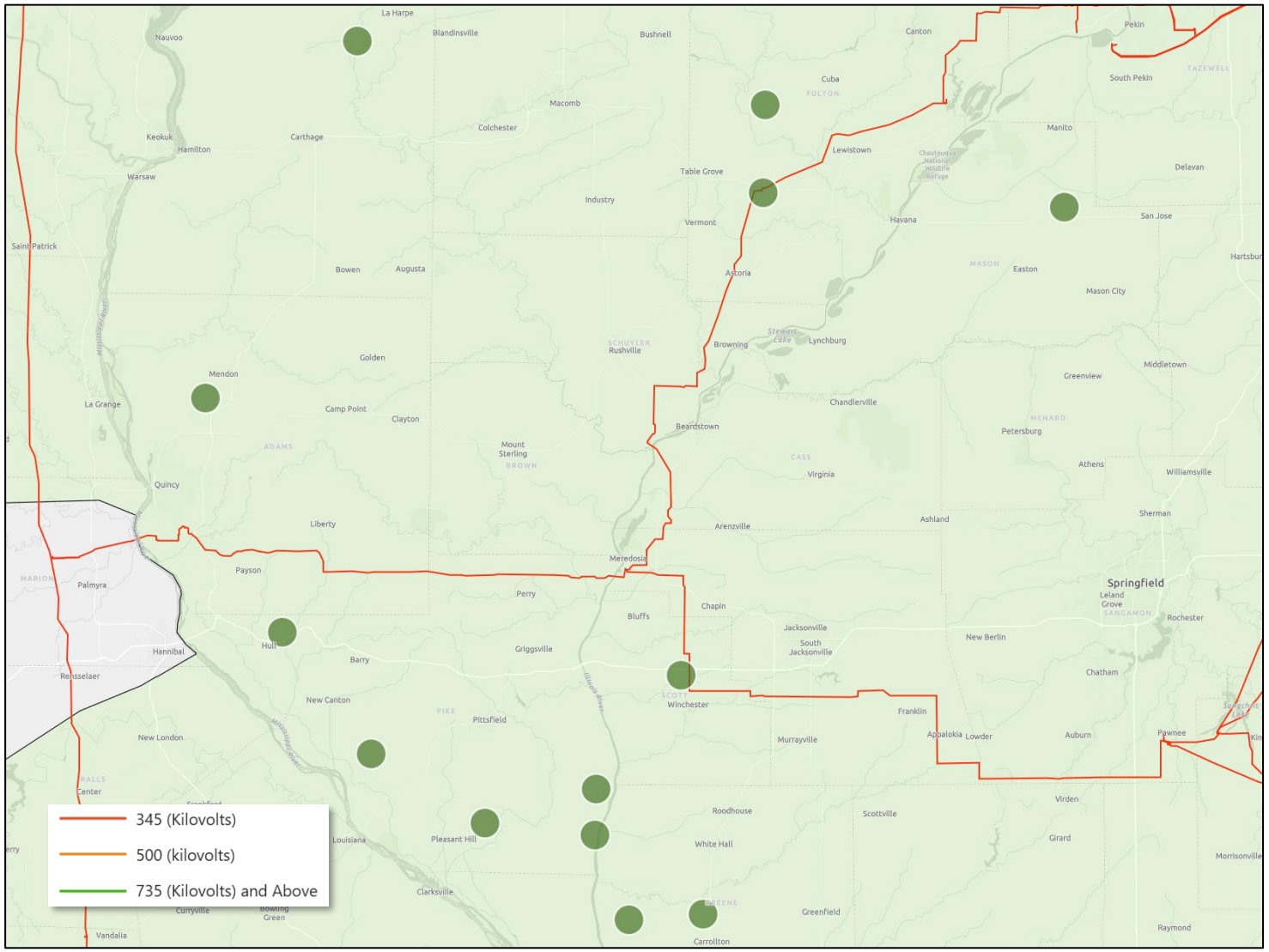
## PRAIRIE POWER, INC.

MTEP26 Summary

GIP (Blank)

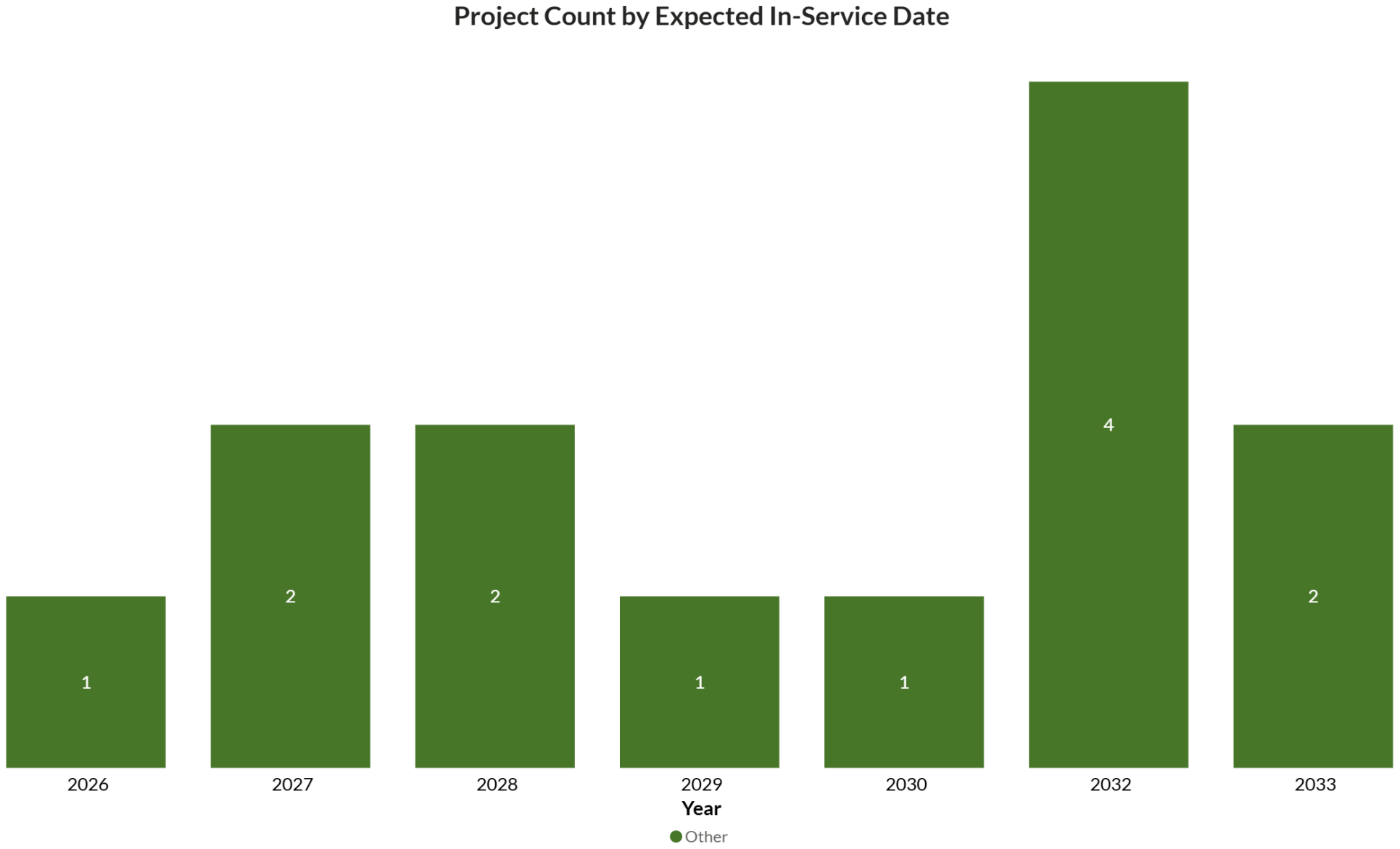
BRP

Other 13



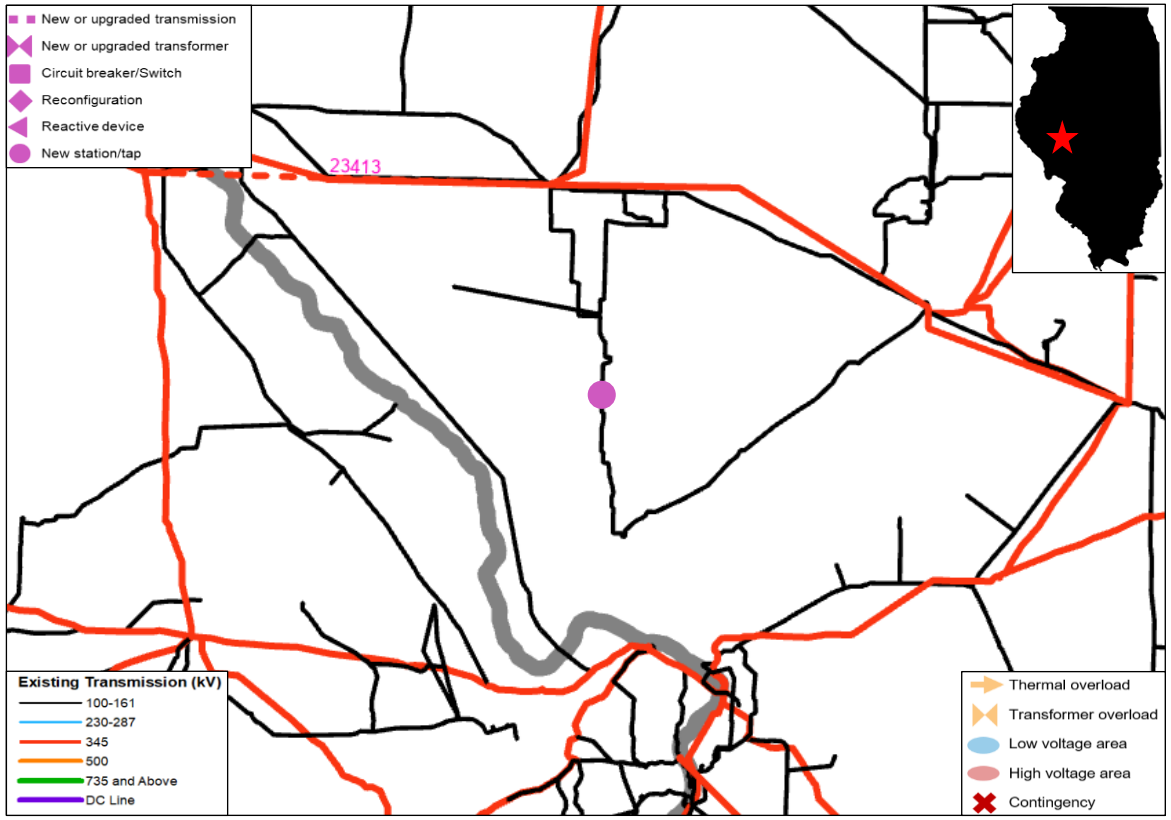

Project information as of 5/15/26.

# PPI MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other, Load Growth Highlight
# Details for New Hopewell 138/69 kV Substation and Lines




| MTEP Project ID | 50805 |
|---|---|
| Project Name | New Hopewell 138/69 kV Substation and Lines |
| Project Type | Other |
| Other Type | Load Growth |
| Project Description | 1) New Ameren Tie-Hopewell 138 kV Line with 795 ACSR<br>2) Hopewell 138/69 kV Substation located North of Carrollton, IL<br>3) New Hopewell 138/69 kV Transformer Rated 84 MVA<br>4) Rebuild Hopewell-Walkerville 69 kV Line with 336 ACSR |
| System Need | P6 contingency 69 kV voltage issues with the future additional load |
| Current Cost | $10.8 M |
| Expected ISD | 12/01/2029 |
| Target Appendix | A |



Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50798 | Upgrade Disco 138/69 kV Transformer | Local Reliability | 12/01/2026 | $0.6 M |
| 50799 | New Rock Creek 69 kV Capacitor Bank | Local Reliability | 12/01/2027 | $0.5 M |
| 50800 | Rebuild Allen Tap-Allen 69 kV Line | Local Reliability | 12/02/2027 | $3.9 M |
| 50802 | New Quaker 69 kV Breaker Station | Local Reliability | 12/01/2028 | $2.8 M |
| 50803 | Rebuild Kampsville-Carrollton 69 kV Line | Local Reliability | 12/01/2028 | $4.5 M |
| 50804 | New Smithfield 69 kV Breaker Station | Local Reliability | 12/01/2030 | $3.5 M |
| 50805 | New Hopewell 138/69 kV Substation and Lines | Load Growth | 12/01/2029 | $10.8 M |
| 50806 | Rebuild Pearl Tap-Smith Jct. W. 69 kV Line | Age and Condition | 12/01/2032 | $5.7 M |
| 50807 | Rebuild Pearl Tap-Pearl 69 kV Line | Age and Condition | 12/01/2032 | $1.3 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50808 | Rebuild Barry-E. Hannibal 69 kV Line | Age and Condition | 12/01/2032 | $9.8 M |
| 50809 | Rebuild Winchester-Wolf Run 69 kV Line | Local Reliability | 12/01/2032 | $10.0 M |
| 50810 | New Atlas-Pearl 69 kV Line | Local Reliability | 12/01/2033 | $19.3 M |
| 50811 | Rebuild El Dara BKR-Atlas 69 kV Line | Age and Condition | 12/01/2033 | $4.8 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

# Contacts

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(651) 233-3618



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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.*

**Learn more and follow MISO at:**

misoenergy.org

LinkedIn: Midcontinent ISO




# MTEP26 Project Information
## MISO Central Region – Indiana/Kentucky

2nd Central Subregional Planning Meeting

Tuesday, June 2, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss 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.
- Quarterly status reports are available on the MTEP website under *Project Tracking and Monitoring*.



Unlabeled

The details of MTEP26 projects and their costs per Central Region TO are shown below:

- BREC: 1 project at an estimated cost of $4 million
- DEI: 15 projects at an estimated cost of $375 million
- HE: 16 projects at an estimated cost of $509 million
- IPL: 9 projects at an estimated cost of $229 million
- NIPSCO: 7 projects at an estimated cost of $172 million
- SIGE: 13 projects at an estimated cost of $90 million
- WVPA: 13 projects at an estimated cost of $138 million
- AEP, HMPL, PION, RTX did not submit projects for consideration in MTEP26


Unlabeled

# Big Rivers Electric Corporation

# BIG RIVERS ELECTRIC CORPORATION

MTEP26 Projects

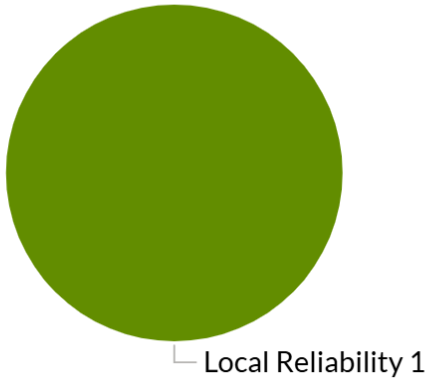



**1**
Total Projects

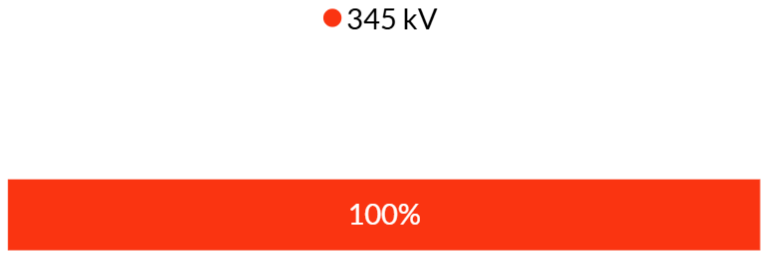
**$4M**
Investment

## Breakdown of Other Project Types

By Project Count

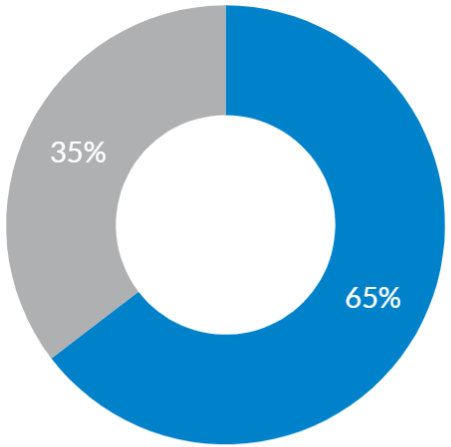



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

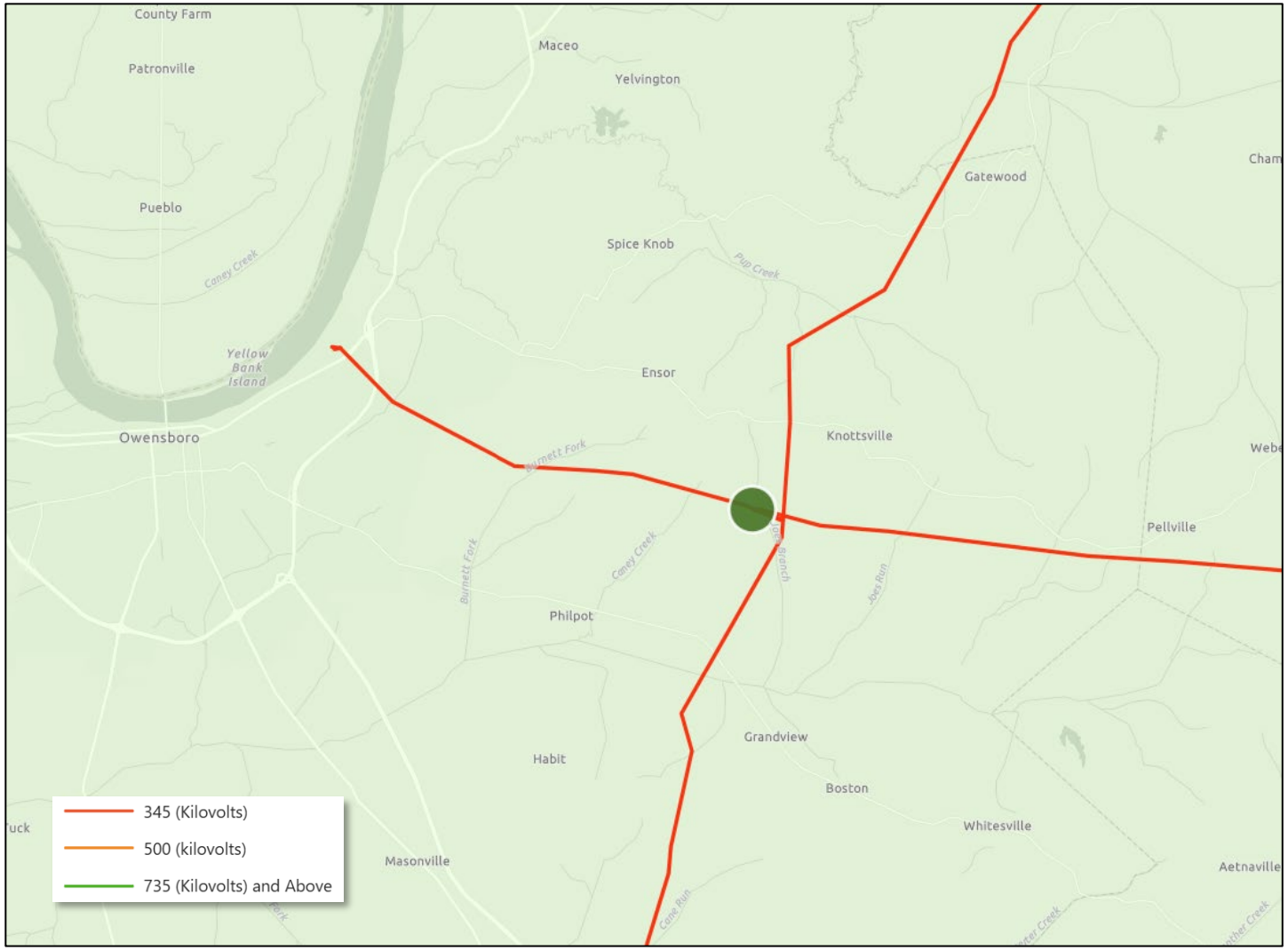
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# BREC MTEP26 Project Type Breakdown

## BIG RIVERS ELECTRIC CORPORATION

MTEP26 Summary

| | |
|---|---|
| GIP | [redacted] |
| BRP | |
| Other | 1 |

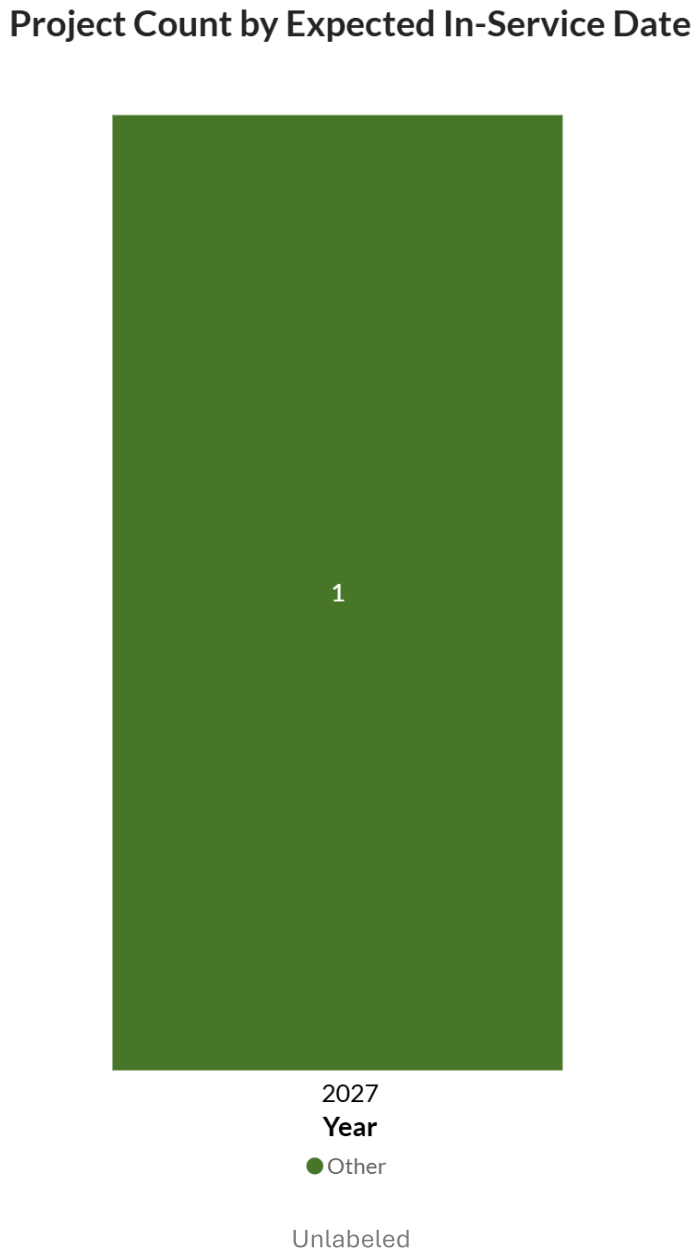



Project information as of 5/15/26.



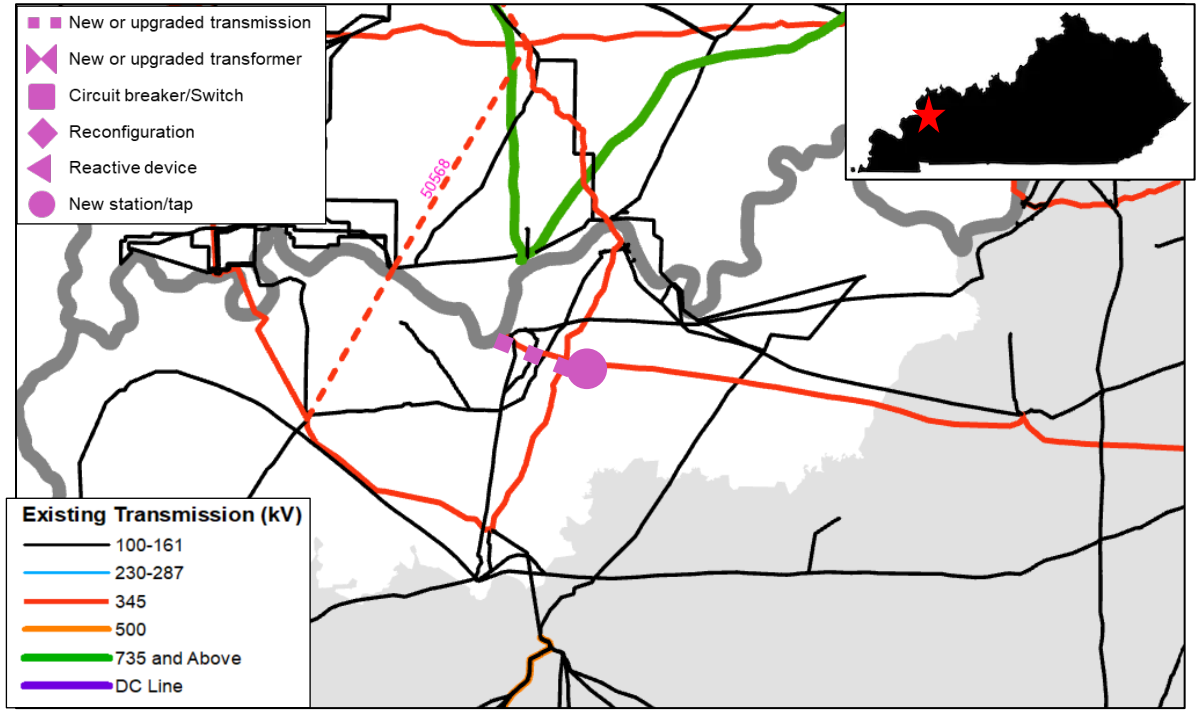
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# BREC MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other, Local Reliability Highlight
# Details for BREC Ownership of DEHV Station 345 kV




| MTEP Project ID | 51062 |
|---|---|
| Project Name | BREC Ownership of DEHV Station 345 kV |
| Project Type | Other |
| Other Type | Local Reliability |
| Project Description | BREC is purchasing the existing DEHV station and DEHV-OMU transmission line from LGEE. |
| System Need | The station is in the middle of an existing BREC 345kV line. The purchase will provide BREC functional control of facilities between BREC's WEHV and CEHV stations as it is part of BREC's 345kV backbone. |
| Current Cost | $3.7 M |
| Expected ISD | 03/01/2027 |
| Target Appendix | A |



Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51062 | BREC Ownership of DEHV Station 345 kV | Local Reliability | 03/01/2027 | $3.7 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

# Duke Energy Indiana

# DUKE ENERGY INDIANA, LLC

## MTEP26 Projects

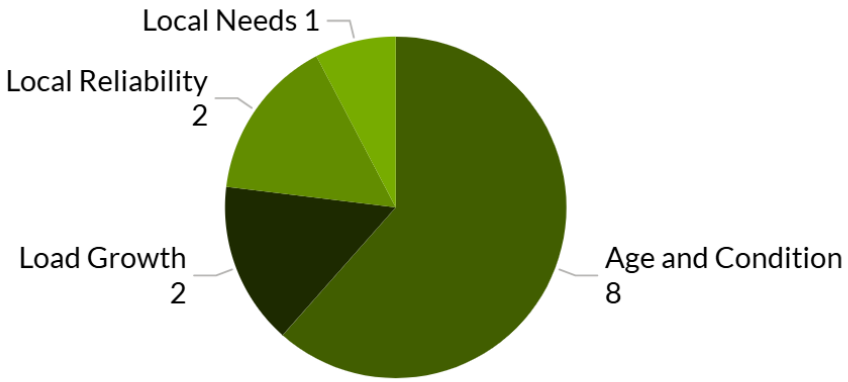



**15**
Total Projects

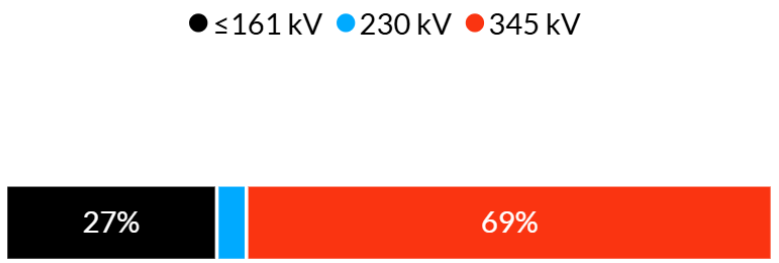
**$375M**
Investment

### Breakdown of Other Project Types

By Project Count

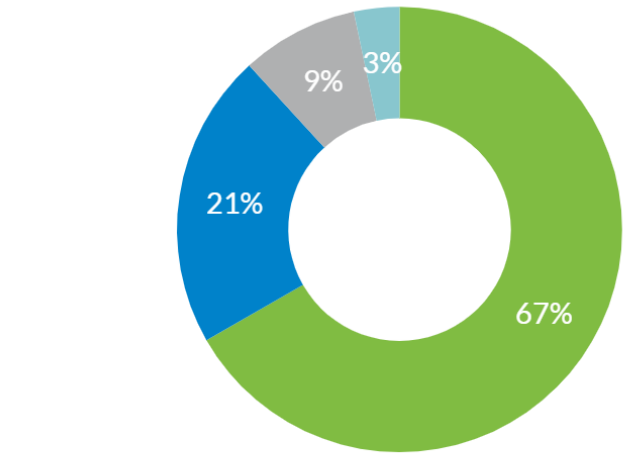



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost





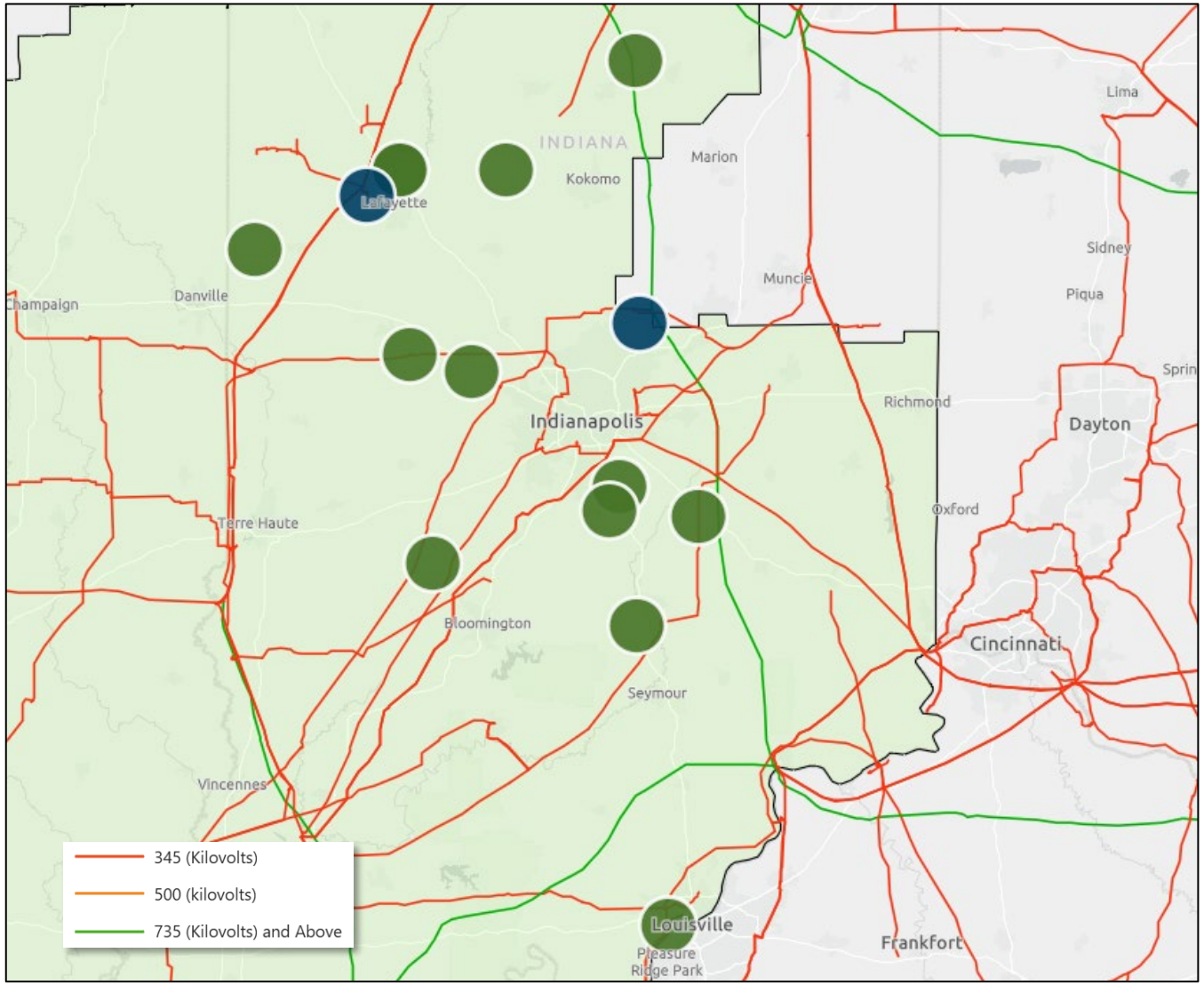

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# DEI MTEP26 Project Type Breakdown

## DUKE ENERGY INDIANA, LLC

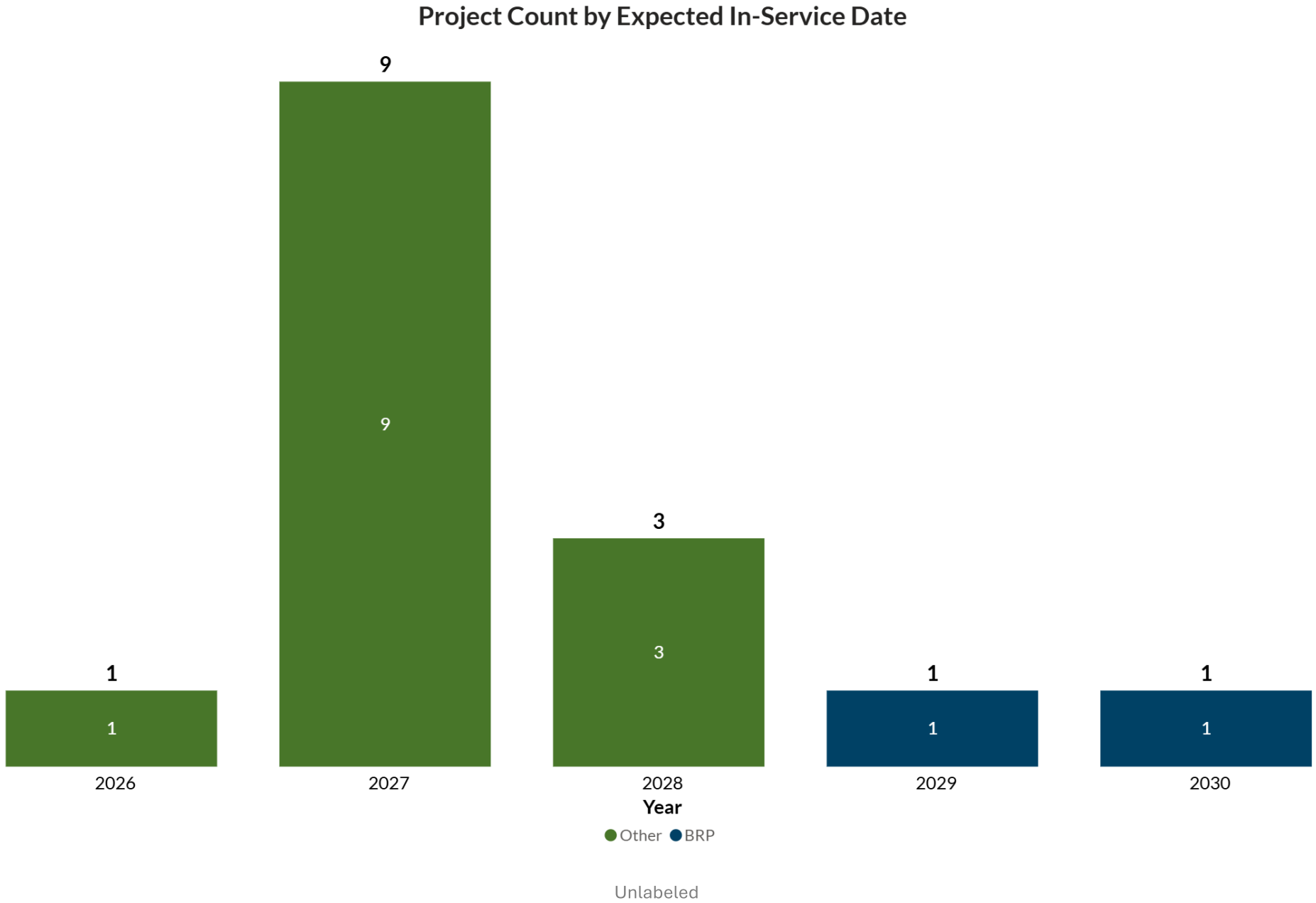
MTEP26 Summary

| | |
|---|---|
| GIP | (Blank) |
| BRP | 2 |
| Other | 13 |




Unlabeled

# DEI MTEP26 ISD Breakdown



# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **51103** | **New Westwood to LEAP 345 kV Lines** | **06/01/2029** | **$250.3 M** |
| **51351** | **Rebuild Noblesville to Durbin 230kV line** | **06/01/2030** | **$13.4 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50748 | Replace Nucor Steel 345 kV CBs and Relays | Age and Condition | 12/04/2028 | $8.2 M |
| 50749 | New Prescott 345/69 kV Bank 2 addition | Local Needs | 11/01/2027 | $10.6 M |
| 50847 | New Jamestown East 69/12kV substation | Load Growth | 03/14/2028 | $0.7 M |
| 50850 | Rebuild HE Willard Green Jct to HE Rocklane Jct 69 kV line | Local Reliability | 03/01/2027 | $7.5 M |
| 50901 | Replace Franklin 230 kV sub 69 kV Breaker and Relay | Age and Condition | 12/09/2027 | $4.2 M |
| 50902 | Upgrade Columbus Denois Crk 230 kV Ring Bus | Local Reliability | 08/10/2028 | $12.7 M |
| 50903 | Relace Spencer 230 kV substation Relay | Age and Condition | 05/20/2027 | $6.2 M |
| 50904 | Rebuild Deedsville 69 kV to Wabash West Jct 69 kV line - 6925 ckt. | Age and Condition | 12/16/2027 | $20.5 M |
| 50905 | Rebuild Wabash 138 kV to Lagro Jct 69 kV line - 6921 ckt. | Age and Condition | 10/28/2027 | $12.0 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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50906 | Rebuild Bringhurst to Deer Creek Jct 69 kV line - 6988 ckt. | Age and Condition | 06/04/2027 | $9.7 M |
| 50907 | Rebuild Battle Ground to TETC Jct 69 kV line - 61888 ckt. | Age and Condition | 07/06/2027 | $9.9 M |
| 50908 | Rebuild Tab Jct to Marshfield 69 kV line - 6936 ckt. | Age and Condition | 12/03/2027 | $7.5 M |
| **51207** | **New Gallagher 230 kV Load Addition** | **Load Growth** | **06/01/2026** | **$1.8 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.

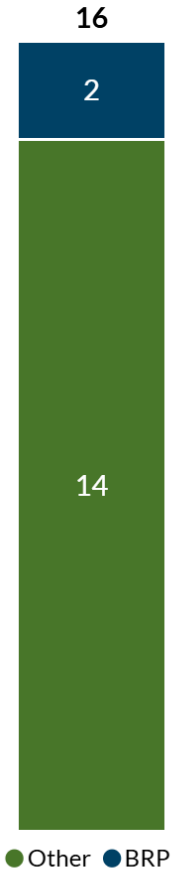
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# Hoosier Energy



# HOOSIER ENERGY

## MTEP26 Projects

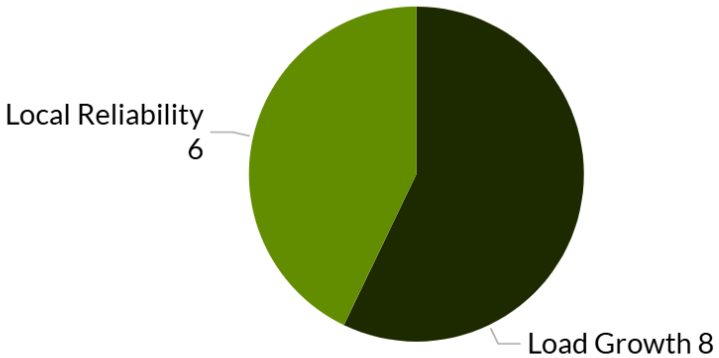



**16**
Total Projects

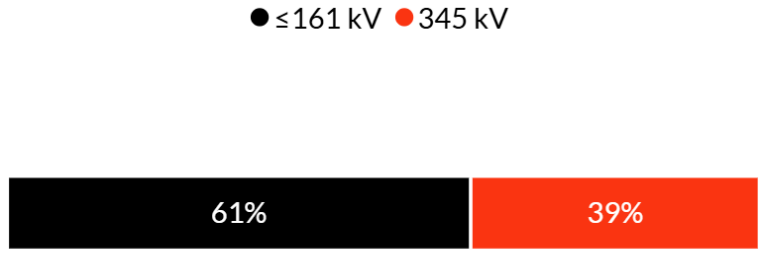
**$509M**
Investment

## Breakdown of Other Project Types

By Project Count

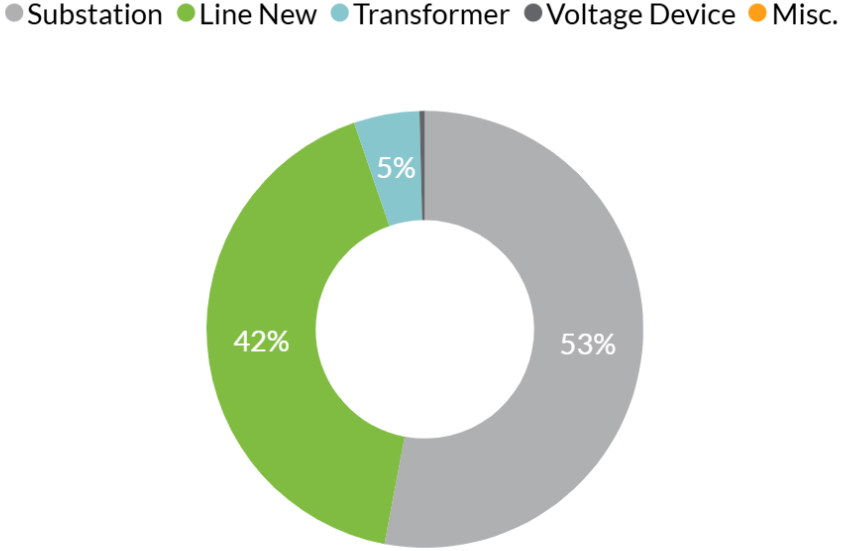



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost





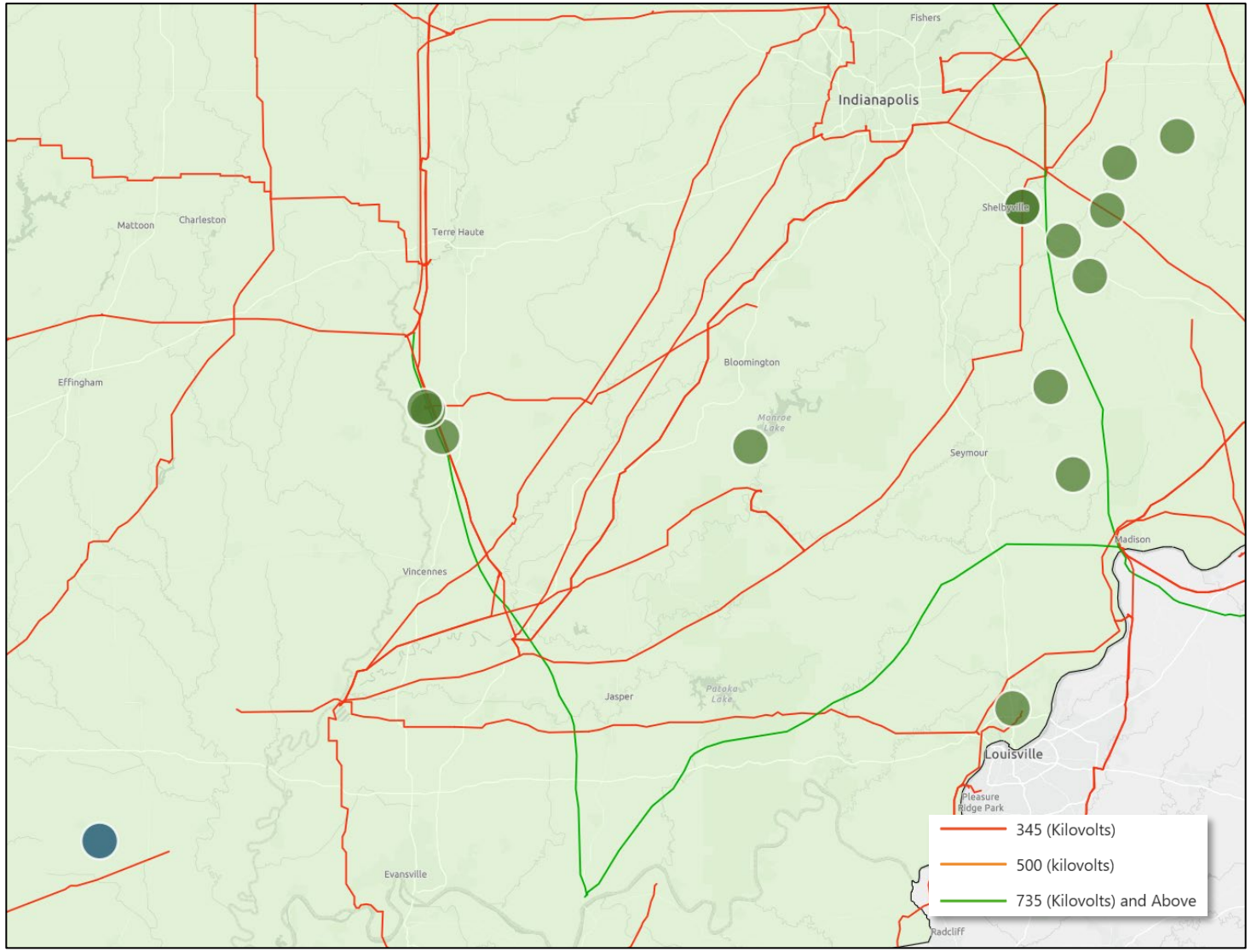

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# HE MTEP26 Project Type Breakdown

## HOOSIER ENERGY

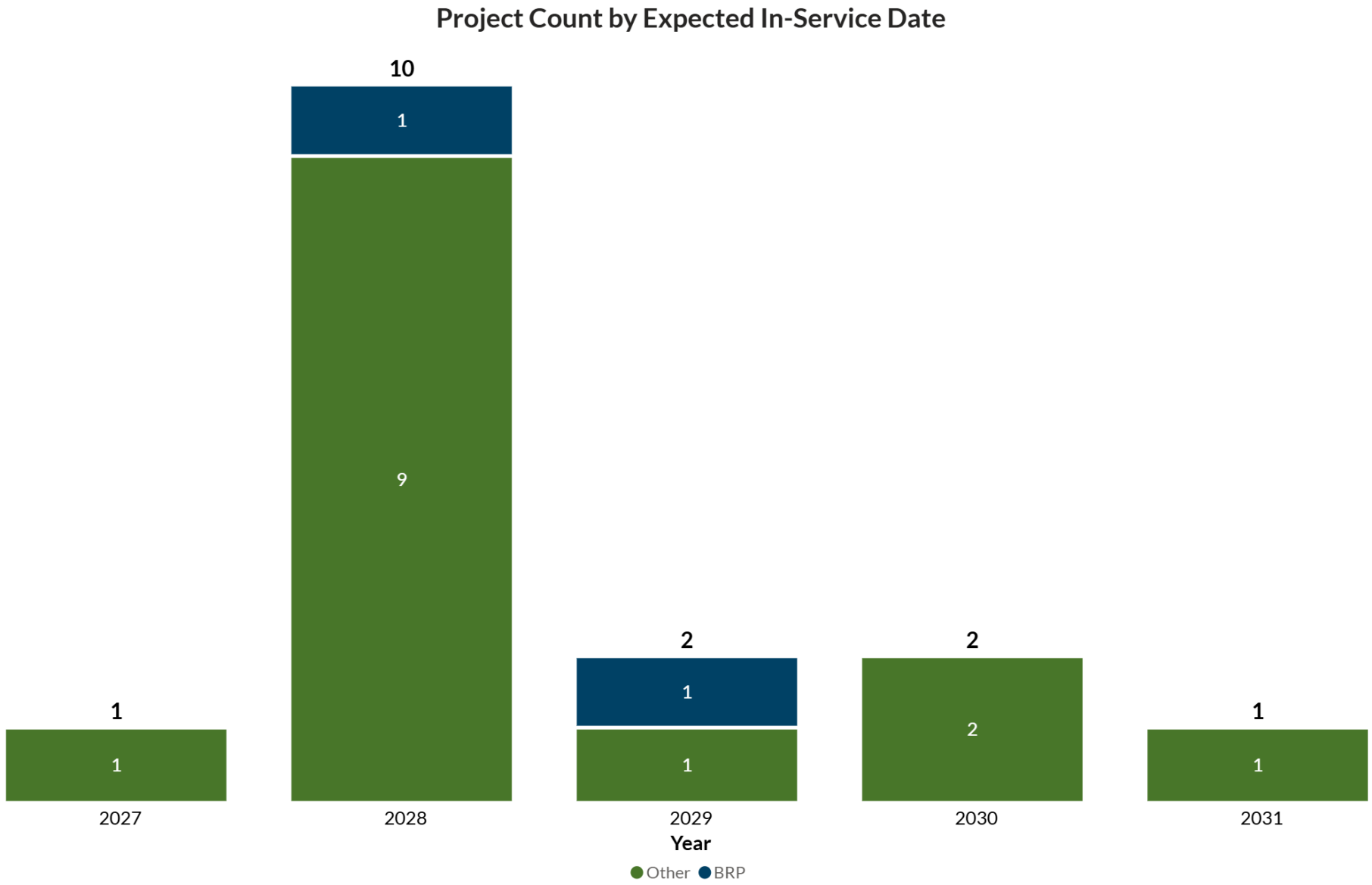
MTEP26 Summary

| | |
|---|---|
| GIP | (blank) |
| BRP | 2 |
| Other | 14 |




Unlabeled

# HE MTEP26 ISD Breakdown



# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51056 | Remove SIPC Transmission Line - Wheeler Creek 138 kV | 12/01/2029 | $0.1 M |
| **51152** | **New Merom to Gill 345 kV Line addition** | **01/01/2028** | **$2.0 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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50833 | Uprate Merom to Worthington 345 kV Terminal | Load Growth | 12/01/2031 | $1.0 M |
| 51047 | New Walnut Ridge 138/12 kV Substation | Local Reliability | 03/01/2028 | $3.9 M |
| 51048 | New Falmouth 138/12 kV Substation | Local Reliability | 03/01/2028 | $3.9 M |
| 51049 | Upgrade Guthrie 34.5/12 kV Substation | Local Reliability | 03/01/2029 | $2.3 M |
| **51051** | **New Greensburg 138 kV Load Addition** | **Load Growth** | **07/01/2028** | **$11.1 M** |
| **51088** | **New Morgan County 345/69 kV Transmission Station and 69 kV Line** | **Local Reliability** | **12/01/2030** | **$44.3 M** |
| **51089** | **New Jennings County 161/69 kV Transmission Station and 69 kV Line** | **Local Reliability** | **12/01/2028** | **$56.9 M** |
| **51090** | **New St.Joesph to Northside 138 kV Line and 138/12 kV Station** | **Load Growth** | **03/01/2028** | **$27.2 M** |
| **51093** | **New Gill 345 kV Station and 345 kV Lines** | **Load Growth** | **01/01/2028** | **$75.3 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51145 | New Crossroads 345 kV Transmission Station and Load | Load Growth | 10/01/2027 | $86.0 M |
| 51307 | New Hackman Phase 1 Load addition | Load Growth | 06/01/2028 | $35.0 M |
| 51308 | New Hackman Phase 2 Load addition | Load Growth | 06/01/2030 | $152.1 M |
| 51309 | New Tallgrass 138/12 kV substation | Local Reliability | 10/01/2028 | $6.0 M |
| 51335 | New Addison 345 kV Capacitor (100 Mvar) | Load Growth | 06/01/2028 | $2.0 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.

Unlabeled

# Indianapolis Power and Light

# INDIANAPOLIS POWER & LIGHT COMPANY

## MTEP26 Projects

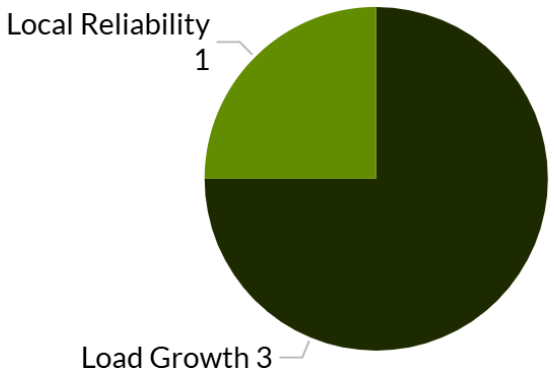



**9**
Total Projects

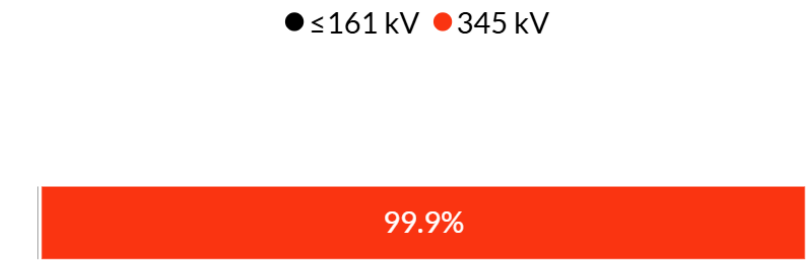
**$229M**
Investment

### Breakdown of Other Project Types

By Project Count

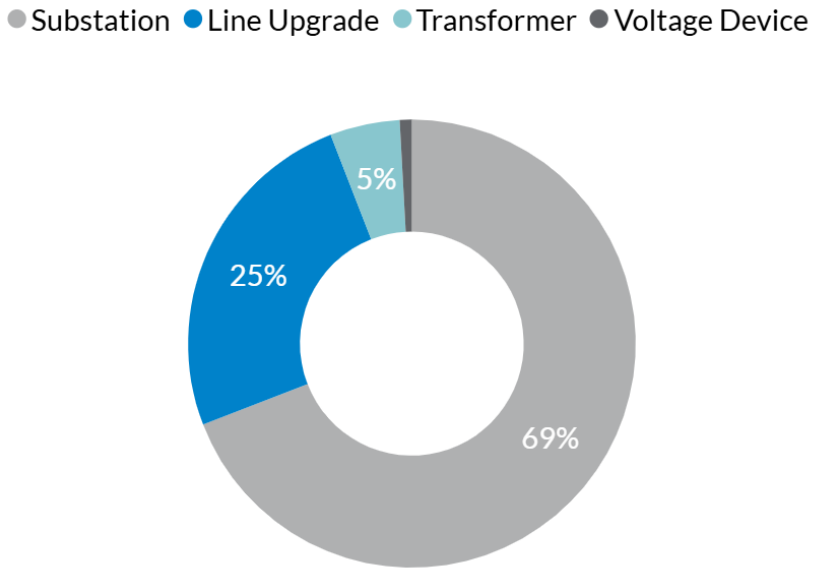



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost





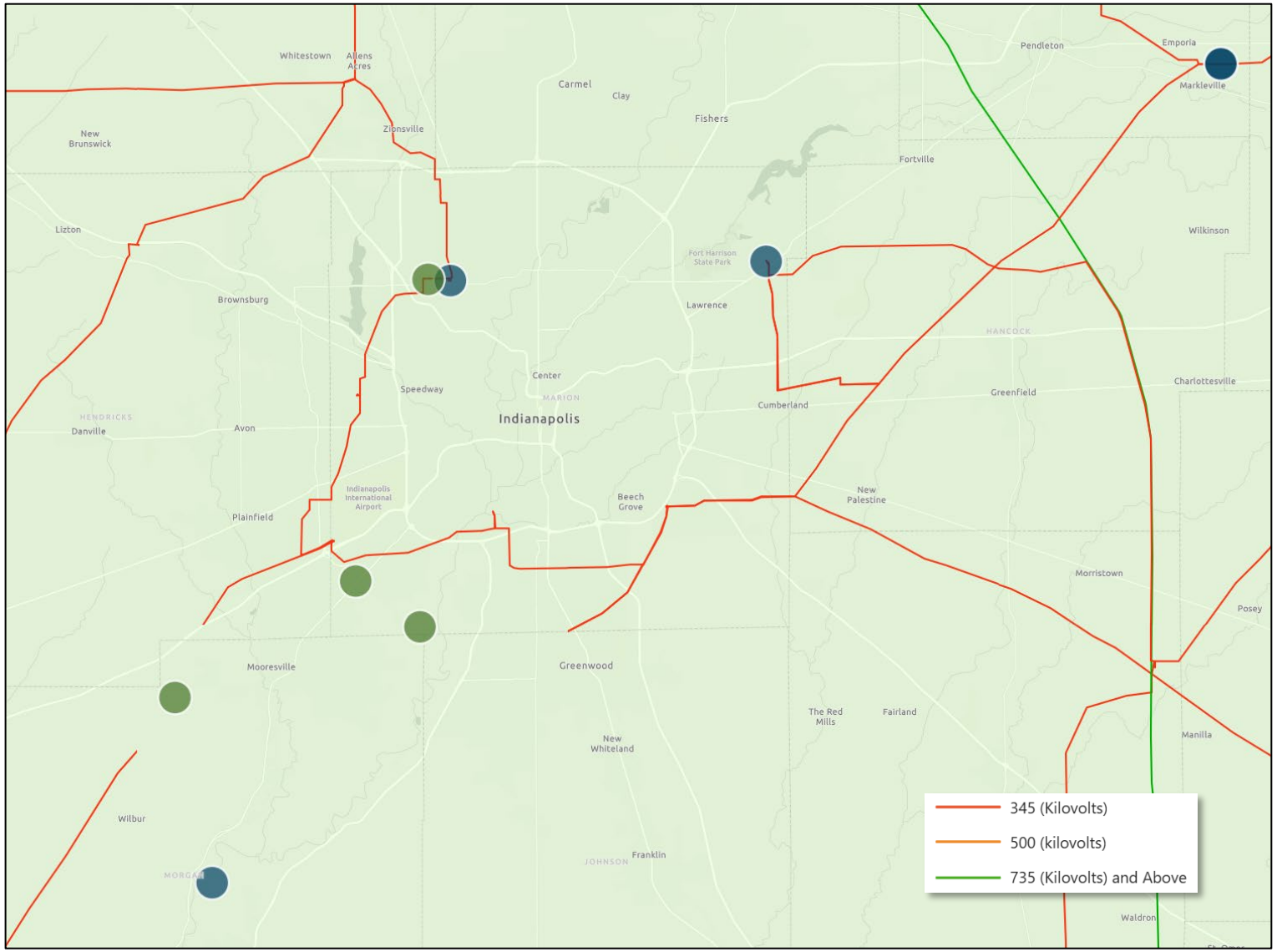

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# IPL MTEP26 Project Type Breakdown

## INDIANAPOLIS POWER & LIGHT COMPANY

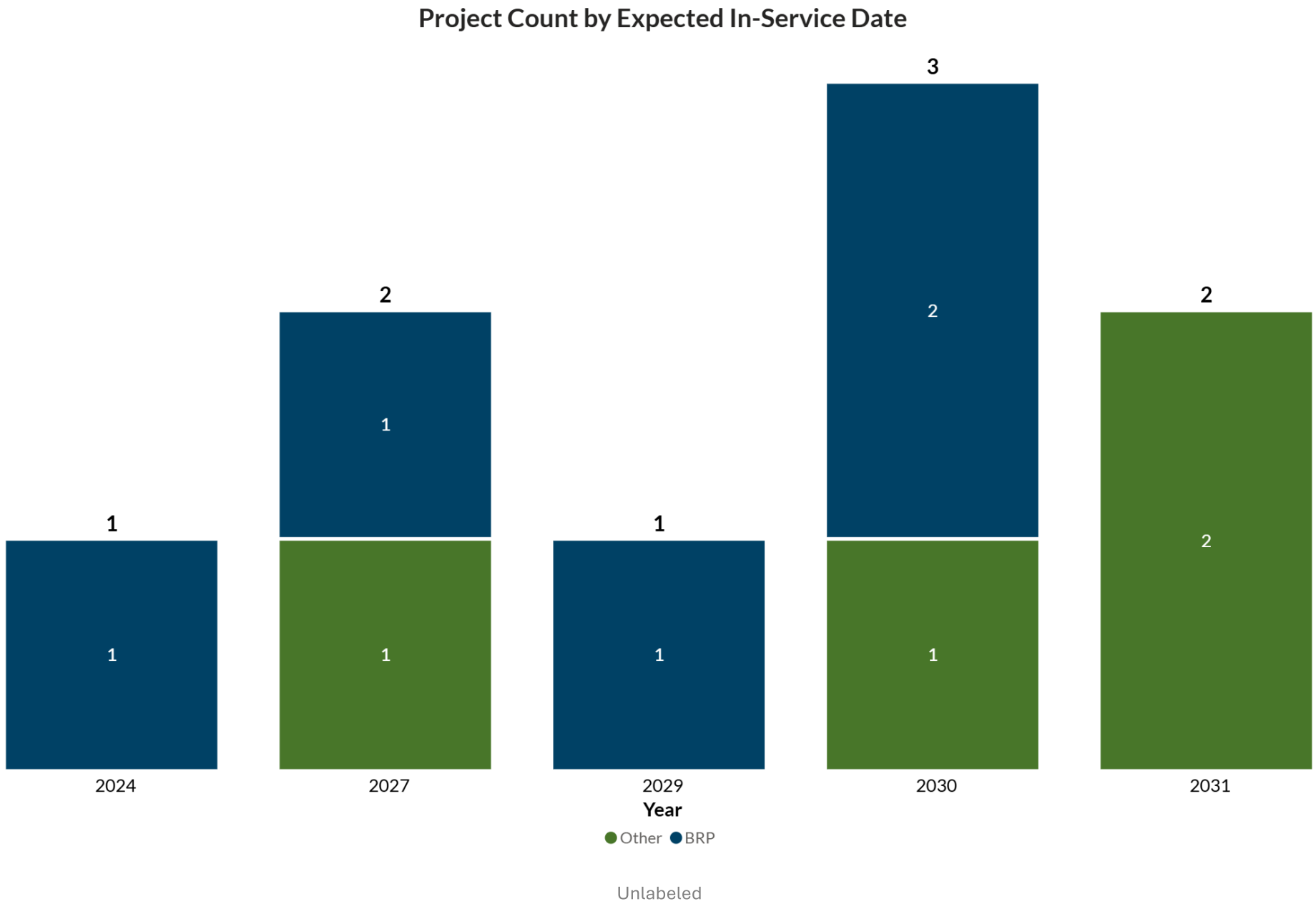
MTEP26 Summary

| | |
|---|---|
| GIP | (Blank) |
| BRP | 5 |
| Other | 4 |




Unlabeled

# IPL MTEP26 ISD Breakdown



# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50768 | Uprate Sunnyside Autotransformer 345/138/34.5 kV | 12/31/2024 | $2.0 M |
| 50789 | Replace Guion South 345/138/13.75 kV Autotransformer | 12/31/2027 | $11.7 M |
| 50790 | Expand Blue Bluff 138 kV switchyard | 03/31/2030 | $30.0 M |
| 50795 | Uprate Guion to Whitestown 345 kV-09 | 12/31/2029 | $15.0 M |
| 51333 | Rebuild Sunnyside to Fall Creek 345 kV transmission line | 10/15/2030 | $50.0 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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50700** | **New Antioch 345 kV Station and Load** | **Load Growth** | **11/01/2027** | **$68.8 M** |
| 50792 | New Ralston 138 kV Delivery Point | Load Growth | 03/02/2031 | $10.0 M |
| **51228** | **New Reynolds 138 kV Delivery Point** | **Load Growth** | **03/03/2031** | **$41.7 M** |
| 51336 | IPL Adoption of Seasonal Ratings - BRP-MTEP26 | Local Reliability | 10/15/2030 | $0.0 M |

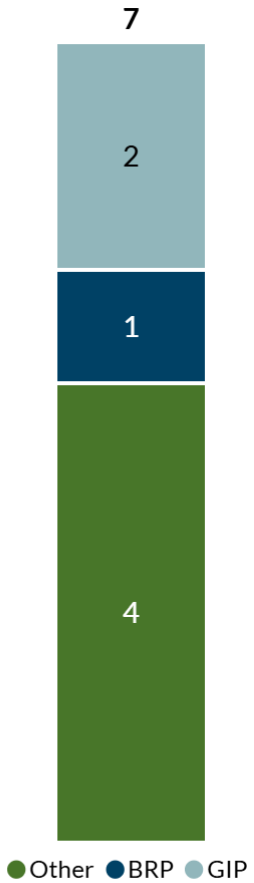
Bold MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Unlabeled

# Northern Indiana Public Service Company, LLC

# NORTHERN INDIANA PUBLIC SERVICE COMPANY LLC

MTEP26 Projects

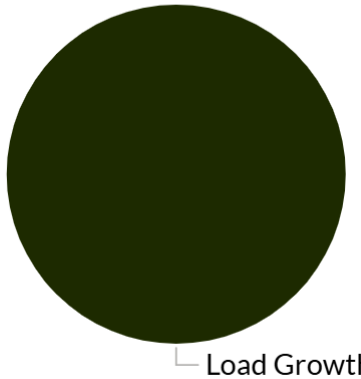



**7**
Total Projects

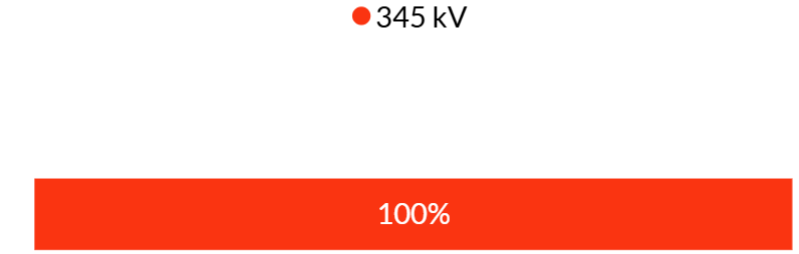
**$172M**
Investment

## Breakdown of Other Project Types

By Project Count

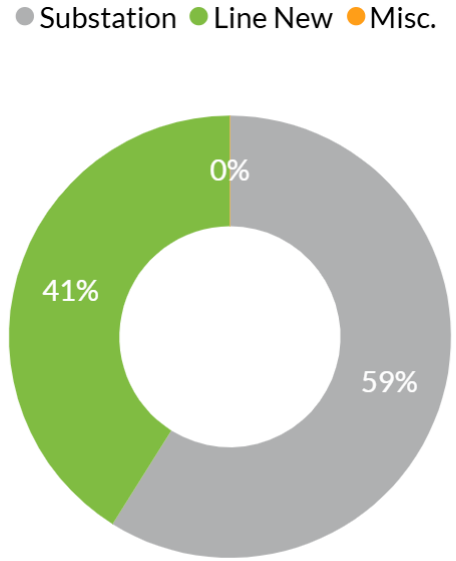



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost





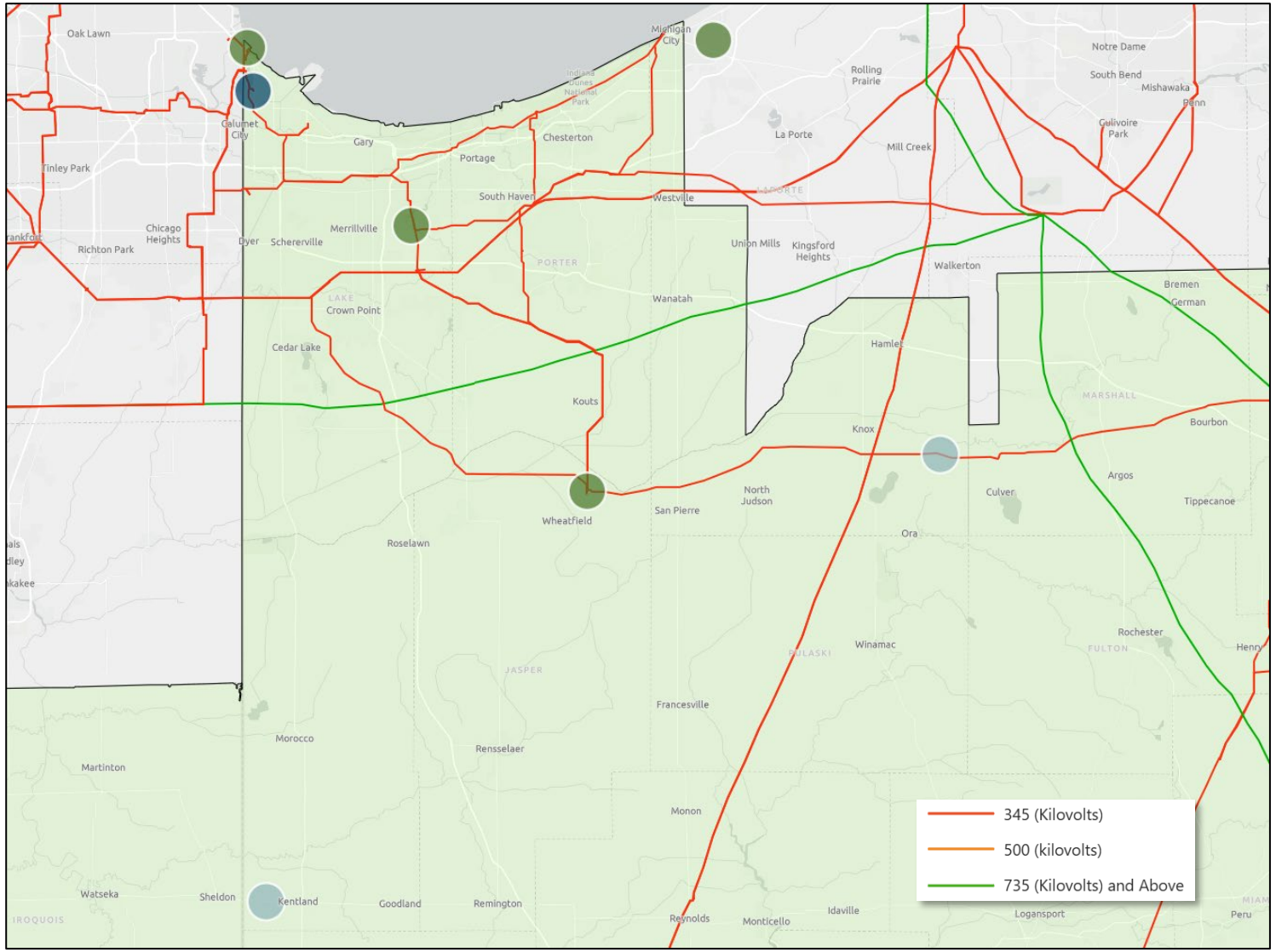

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# NIPS MTEP26 Project Type Breakdown

## NORTHERN INDIANA PUBLIC SERVICE COMPANY LLC

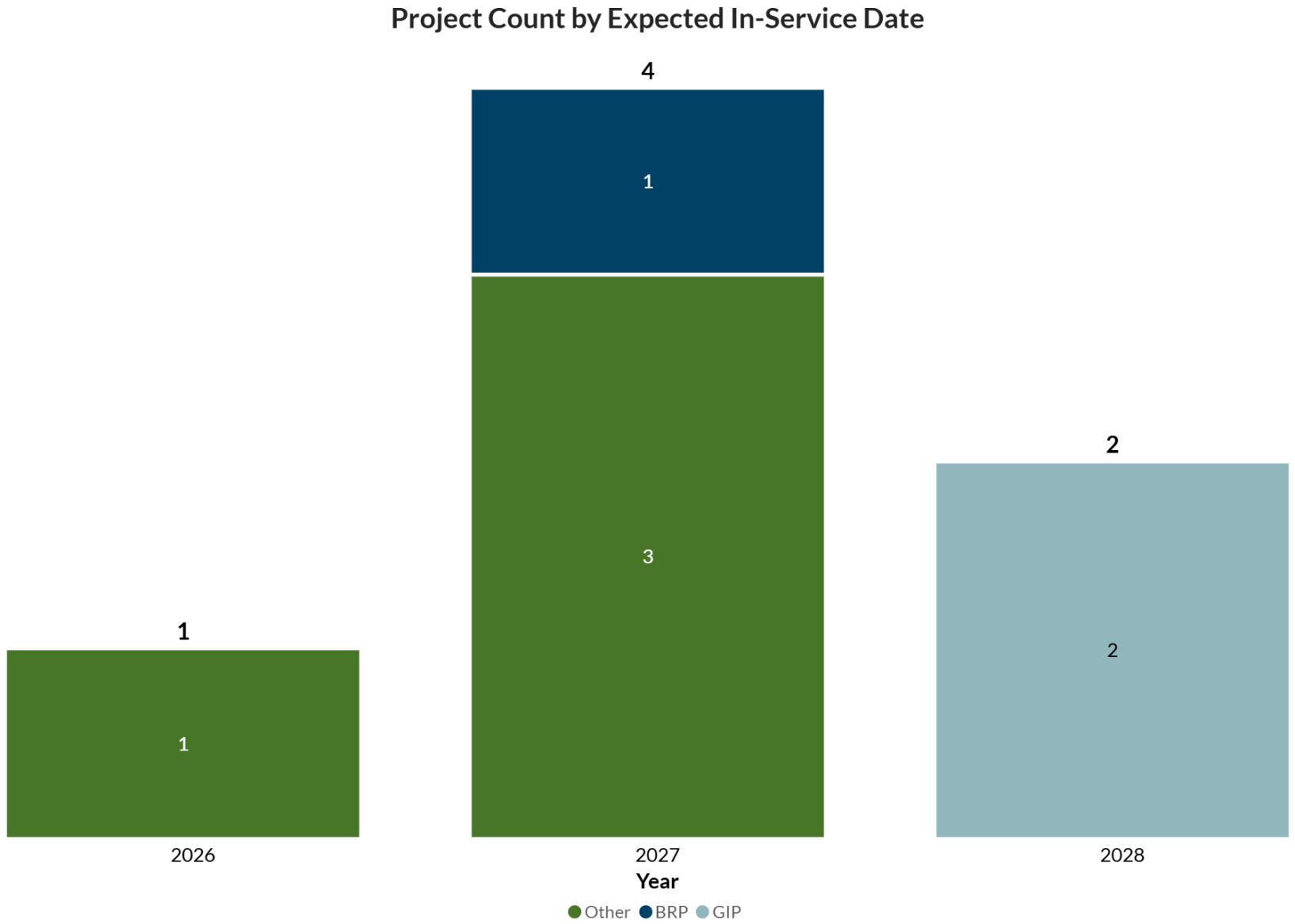
MTEP26 Summary

| | |
|---|---|
| GIP | 2 |
| BRP | 1 |
| Other | 4 |




Unlabeled

# NIPS MTEP26 ISD Breakdown



# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **51124** | **Sheffield Substation Battery and Trip Coil Monitoring** | **12/31/2027** | **$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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51092 | Customer A 138 kV | Load Growth | 12/31/2027 | $25.0 M |
| 51141 | New Hobart 345 kV Load Addition | Load Growth | 03/01/2027 | $60.0 M |
| 51142 | New Schahfer 345 kV Load Addition | Load Growth | 03/01/2027 | $31.0 M |
| 51148 | New Trail Creek 138 kV Load Addition | Load Growth | 06/30/2026 | $12.0 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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51119 | J1646 IC Facilities | 11/30/2028 | $0.8 M |
| 51181 | J1684 IC Facilities | 10/01/2028 | $43.5 M |



Unlabeled

# Southern Indiana Gas & Electric Company (Centerpoint Energy)



# SOUTHERN INDIANA GAS & ELECTRIC COMPANY D/B/A CENT…

MTEP26 Projects

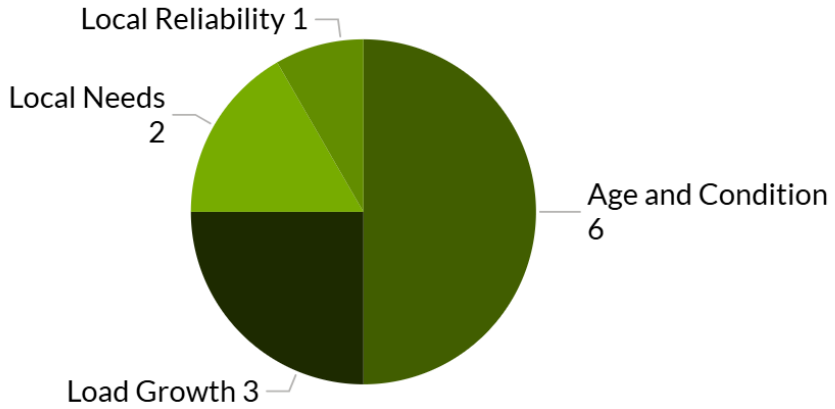



**13**
Total Projects

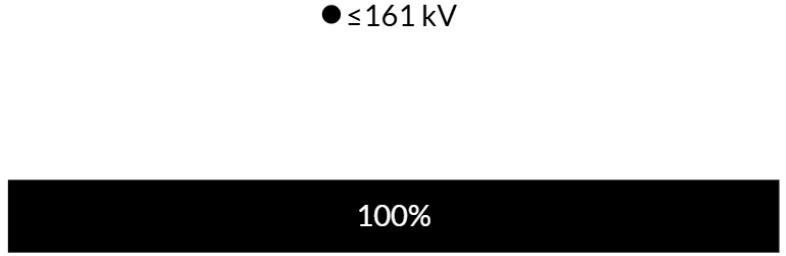
**$90M**
Investment

## Breakdown of Other Project Types

By Project Count

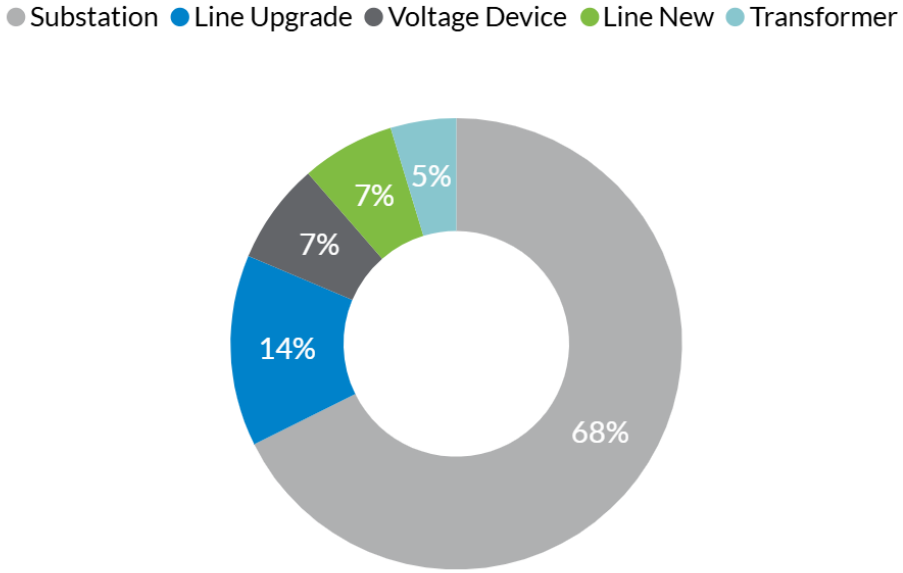



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost





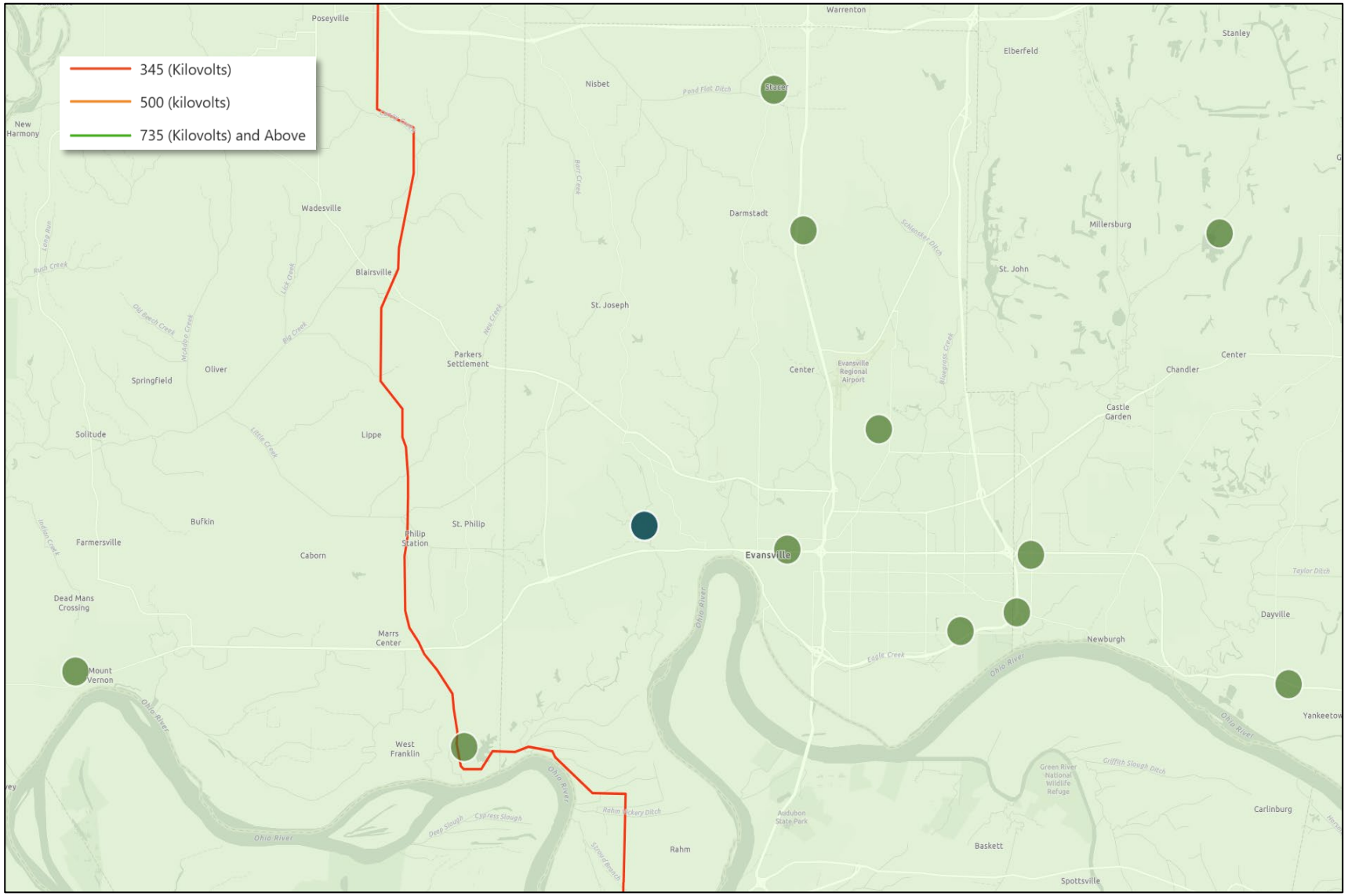

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# SIGE MTEP26 Project Type Breakdown

## SOUTHERN INDIANA GAS & ELECTRIC COMPANY D/B/A C...

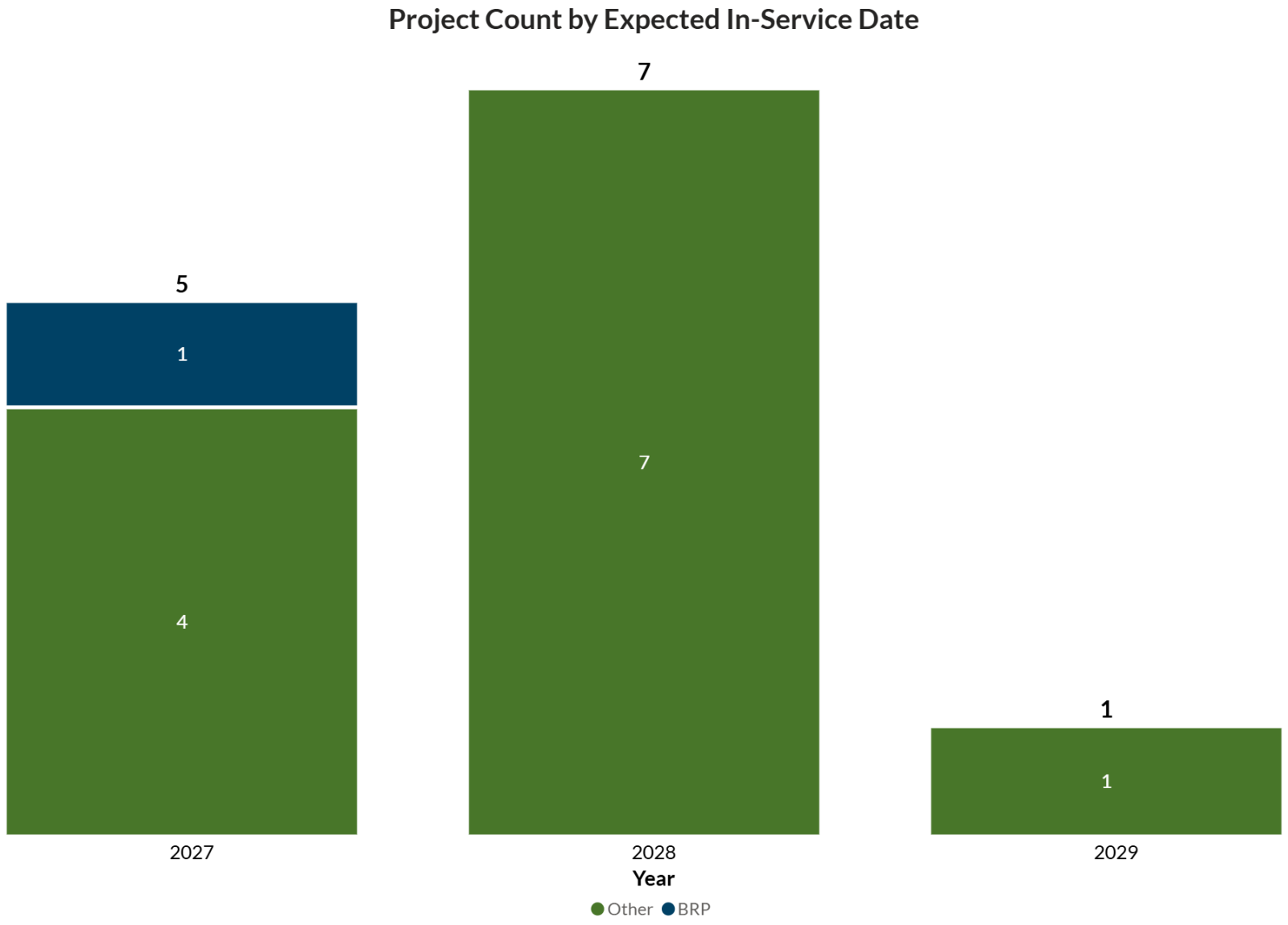
MTEP26 Summary

| | |
|---|---|
| GIP | [illegible] |
| BRP | 1 |
| Other | 12 |




Unlabeled

# SIGE MTEP26 ISD Breakdown



# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **51149** | **New Project Raider Cap Banks 69 kV** | **06/01/2027** | **$5.1 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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 15991 | Replace Mount Vernon T3 138/69 kV Transformer | Age and Condition | 12/31/2028 | $2.7 M |
| 15998 | Rebuild Vigo 69/12 kV Distribution Substation | Age and Condition | 12/31/2028 | $1.5 M |
| 50812 | New Y58 Oak Grove - Gateway 69 kV Line | Local Reliability | 12/31/2027 | $7.5 M |
| 50813 | Replace 138 kV Breakers at Northeast Substation | Age and Condition | 12/31/2028 | $6.2 M |
| 50814 | Rebuild Y53 East Industrial - Heidelbach 69 kV Line | Age and Condition | 12/31/2029 | $2.3 M |
| 50818 | New Angel Mounds 69 kV Capacitor Bank | Local Needs | 11/15/2027 | $1.4 M |
| 50822 | New Stacer Road 138/12 kV Distribution Substation | Load Growth | 12/31/2027 | $6.6 M |
| 50826 | New Old State 69/12 kV Distribution Substation | Load Growth | 12/31/2028 | $5.5 M |
| 50828 | Upgrade AB Brown 138 kV - Breaker Repl. - 63kA | Local Needs | 12/31/2028 | $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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50829 | Rebuild Z85 Culley to Warrick North 138 kV Line | Age and Condition | 12/31/2028 | $5.0 M |
| 50830 | Rebuild Y65/66 69 kV Line | Age and Condition | 12/31/2028 | $5.0 M |
| **51079** | **New Project Raider Load Substation 345 kV** | **Load Growth** | **06/01/2027** | **$29.9 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

# Wabash Valley Power Association, Inc.



# WABASH VALLEY POWER ASSOCIATION, INC.

MTEP26 Projects

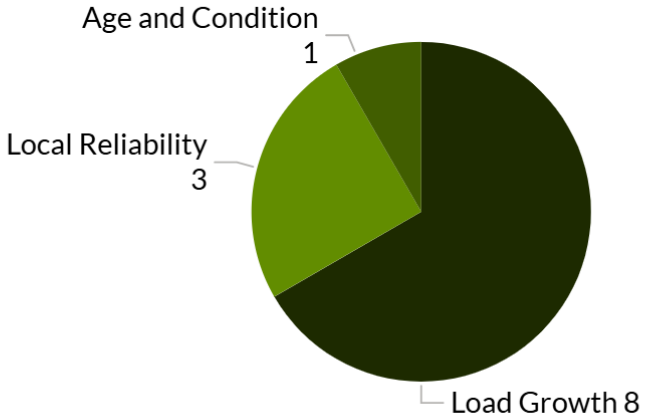



**13**
Total Projects

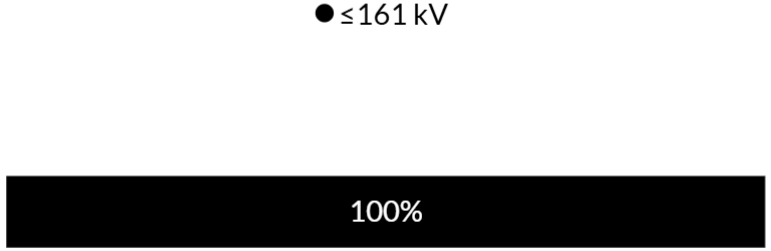
**$138M**
Investment

## Breakdown of Other Project Types

By Project Count

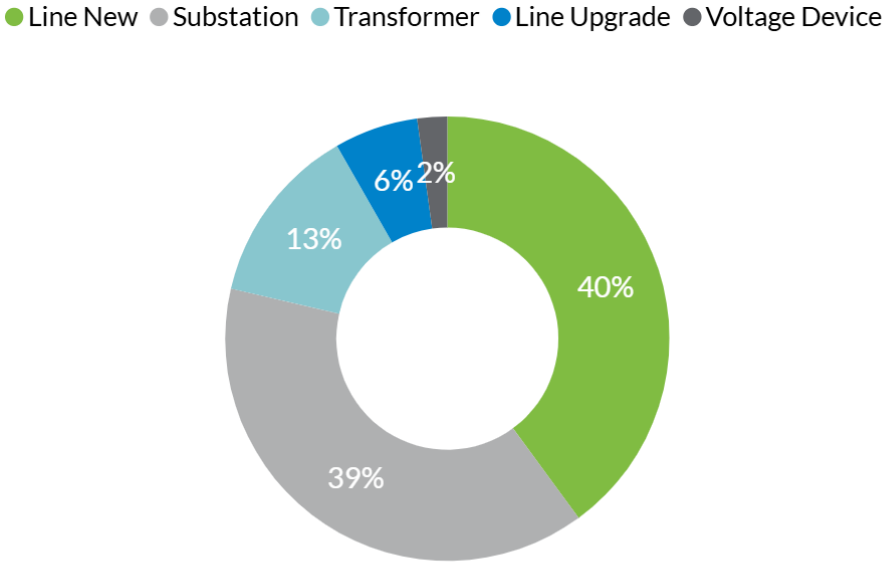



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost



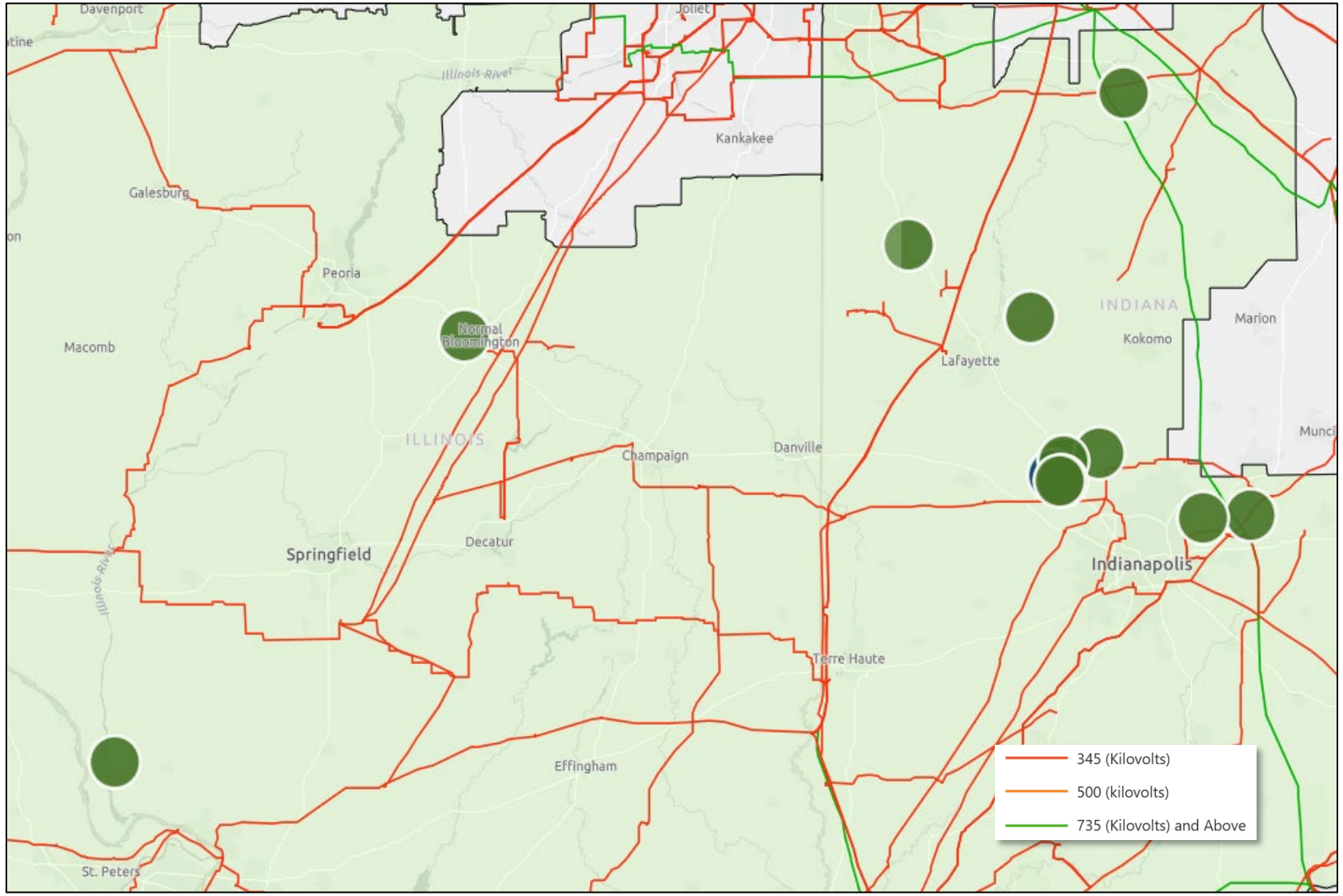



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# WVPA MTEP26 Project Type Breakdown

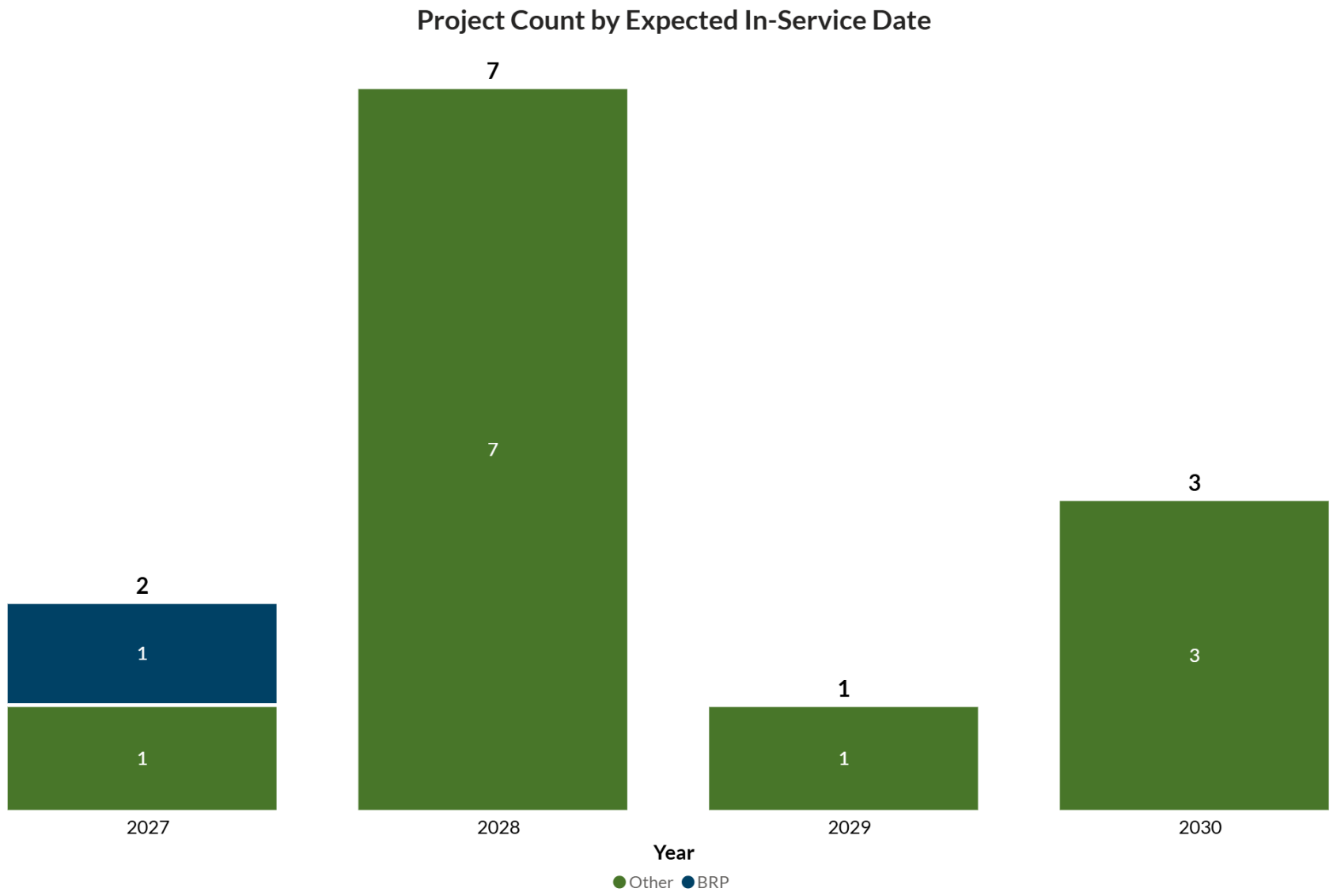
**WABASH VALLEY POWER ASSOCIATION, INC.**
MTEP26 Summary

| | |
|---|---|
| GIP | [Blank] |
| BRP | 1 |
| Other | 12 |

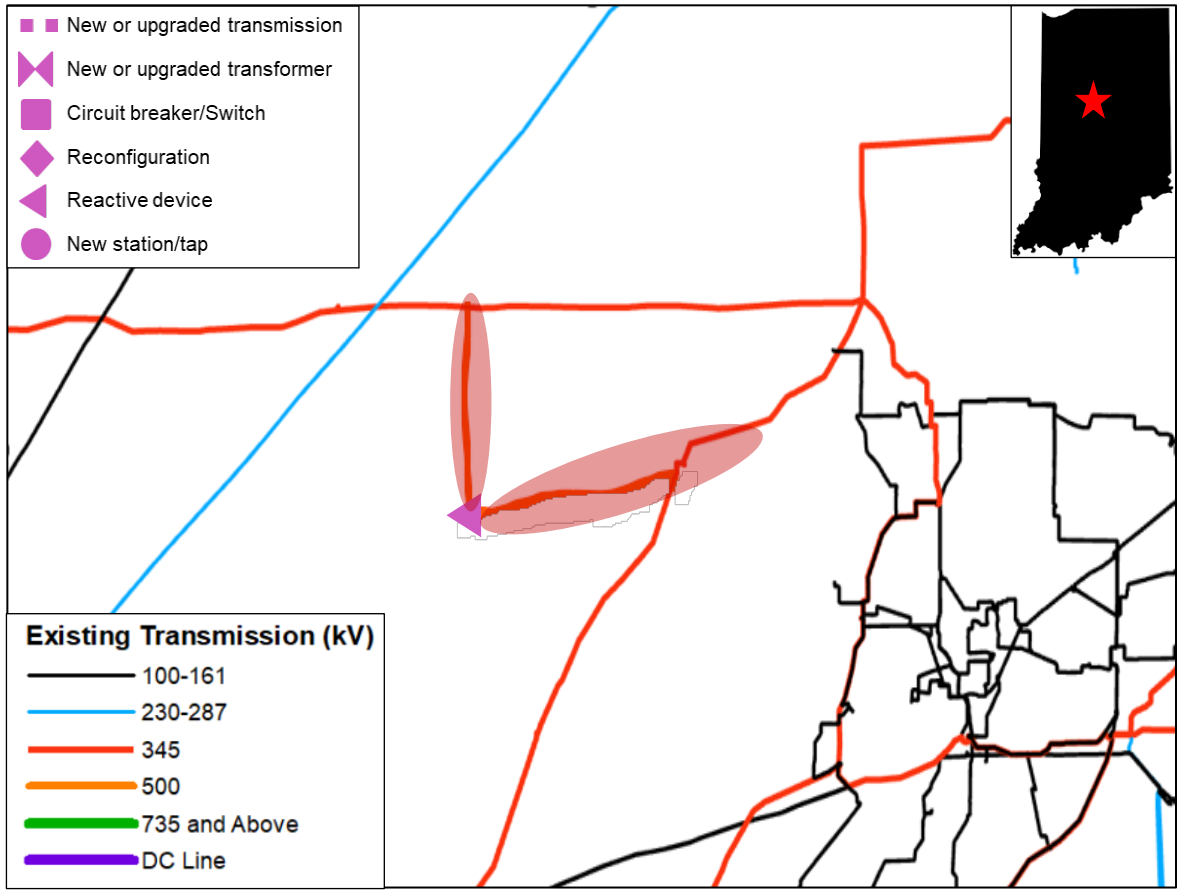



Unlabeled

# WVPA MTEP26 ISD Breakdown



# Baseline Reliability Project
# Details for New LEAP 345 kV Phase 1 Reactive Mitigation




| MTEP Project ID | 51043 |
|---|---|
| Project Name | New LEAP 345 kV Phase 1 Reactive Mitigation |
| Project Type | BRP |
| Project Description | Replace the static capacitor at LEAP North with a switched capacitor to alleviate an overvoltage scenario |
| System Need | Reliability |
| Current Cost | $3.0 M |
| Expected ISD | 12/31/2027 |
| Target Appendix | A |



Unlabeled

The [WVPA] LEAP 138 kV bus experiences high voltage issues in the 2027 light load and summer peak MTEP25 models under the base case (n-0) and several different types of contingencies (n-1 and n-1-1). This project alleviates the high voltage issues by replacing the static capacitor at LEAP North with a switched capacitor.

**Voltage Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Voltage (p.u.) | Post-project (post-cont.) Voltage (p.u.) |
|---|---|---|---|
| n-0 | [WVPA] LEAP 138 kV | 1.09 | 1.00 |
| n-1 | [WVPA] LEAP 138 kV | 1.13 | 1.01 |
| n-1-1 | [WVPA] LEAP 138 kV | 1.06 | 1.00 |
| n-1-1 | [WVPA] LEAP 138 kV | 1.74 | P6: System adjustment between events and load shed after is required in addition to the project |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51043 | New LEAP 345 kV Phase 1 Reactive Mitigation | 12/31/2027 | $3.0 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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51032 | Rebuild Milner's Corner 69 kV Line | Age and Condition | 12/31/2030 | $8.4 M |
| 51033 | New College Avenue 138/12 kV Substation | Load Growth | 12/31/2028 | $7.0 M |
| 51035 | Drake 69/12 kV Substation | Load Growth | 12/31/2028 | $7.4 M |
| 51036 | New Bridge Creek 69/12 kV Substation | Load Growth | 12/31/2028 | $17.6 M |
| 51037 | Convert Elizaville 69 kV | Local Reliability | 12/31/2030 | $15.2 M |
| 51038 | New Carpenter/Princeton 2nd 69 kV Source | Local Reliability | 12/31/2030 | $17.5 M |
| 51039 | New Marco to Lawrence 69 kV Tie | Local Reliability | 12/31/2029 | $18.0 M |
| 51040 | New Fieldon 69/12 kV Substation | Load Growth | 12/31/2028 | $6.2 M |
| 51041 | New Foundry 138/12 kV Substation | Load Growth | 12/31/2028 | $15.0 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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51042 | New Lebanon Industrial North 69/12 kV Substation | Load Growth | 09/08/2027 | $15.0 M |
| 51044 | New McCordsville 2nd Bank | Load Growth | 12/31/2028 | $1.2 M |
| 51046 | New Pioneer 138/12 kV Substation | Load Growth | 06/30/2028 | $6.2 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

# Contacts

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(651)-632-8466

Scott Goodwin
Regional Coordinator
SGoodwin@misoenergy.org
(317)249-5833

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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.*

**Learn more and follow MISO at:**

misoenergy.org

LinkedIn: Midcontinent ISO




# MTEP26 Project Information
# MISO Central Region – Missouri

2nd Central Subregional Planning Meeting

Tuesday, June 2, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



Unlabeled

The details of the submitted projects and their costs per Missouri TO are shown below:

- AMMO: 31 projects at an estimated cost of $496 million
- ATXI: 7 projects at an estimated cost of $486 million
- CEC: 9 projects at an estimated cost of $58 million
- CWLD did not submit projects for consideration in MTEP26


Unlabeled

# Ameren Missouri

# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51302 | New Quinn 161 kV Ring Bus for Millcreek (E0017) | GIP | Project added to MTEP26 |
| 51321 | Rebuild Montgomery-Guthrie 161 kV Line | Other, Local Reliability | Project type changed from BRP to Other, Local Reliability |
| 51195 | Project Diamond Farms Temporary Taps | Other, Load Growth | Project type changed from BRP to Other – Load Growth and Target Appendix changed from A to B |



Unlabeled

# AMEREN MISSOURI

## MTEP26 Projects

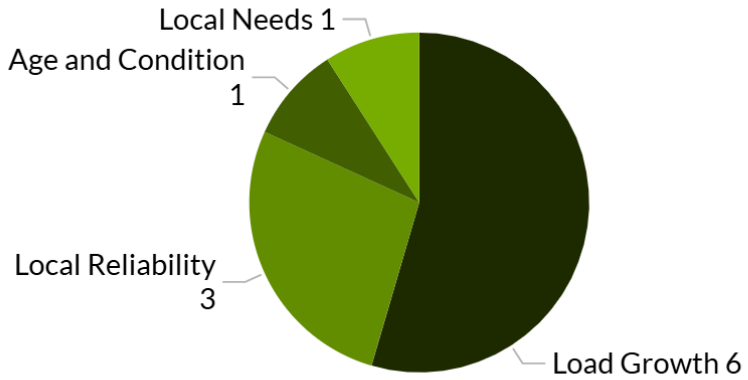



**30**
Total Projects

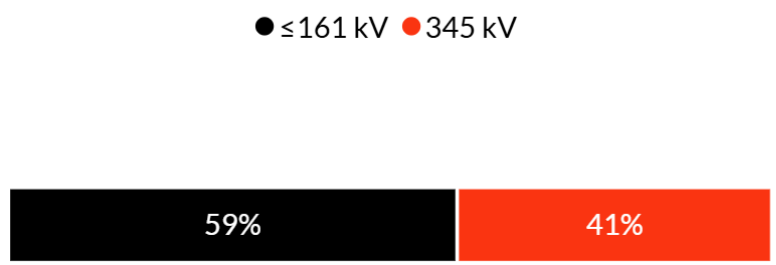
**$496M**
Investment

## Breakdown of Other Project Types

By Project Count

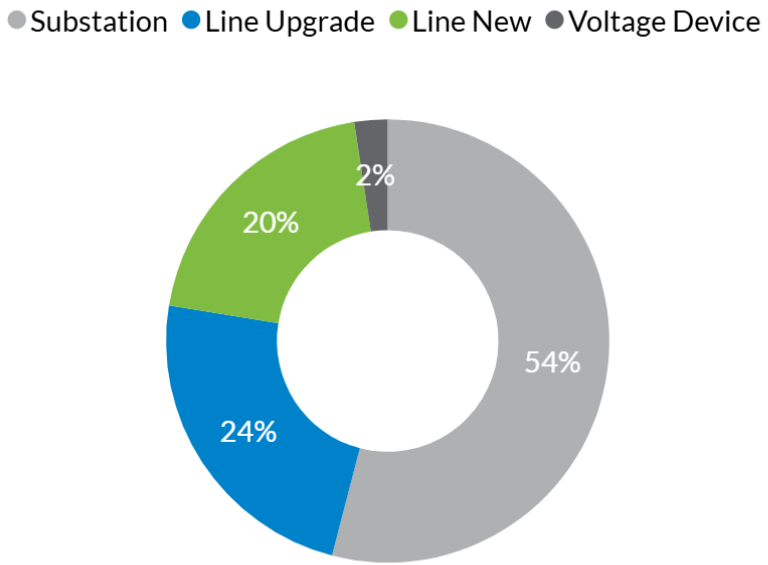



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



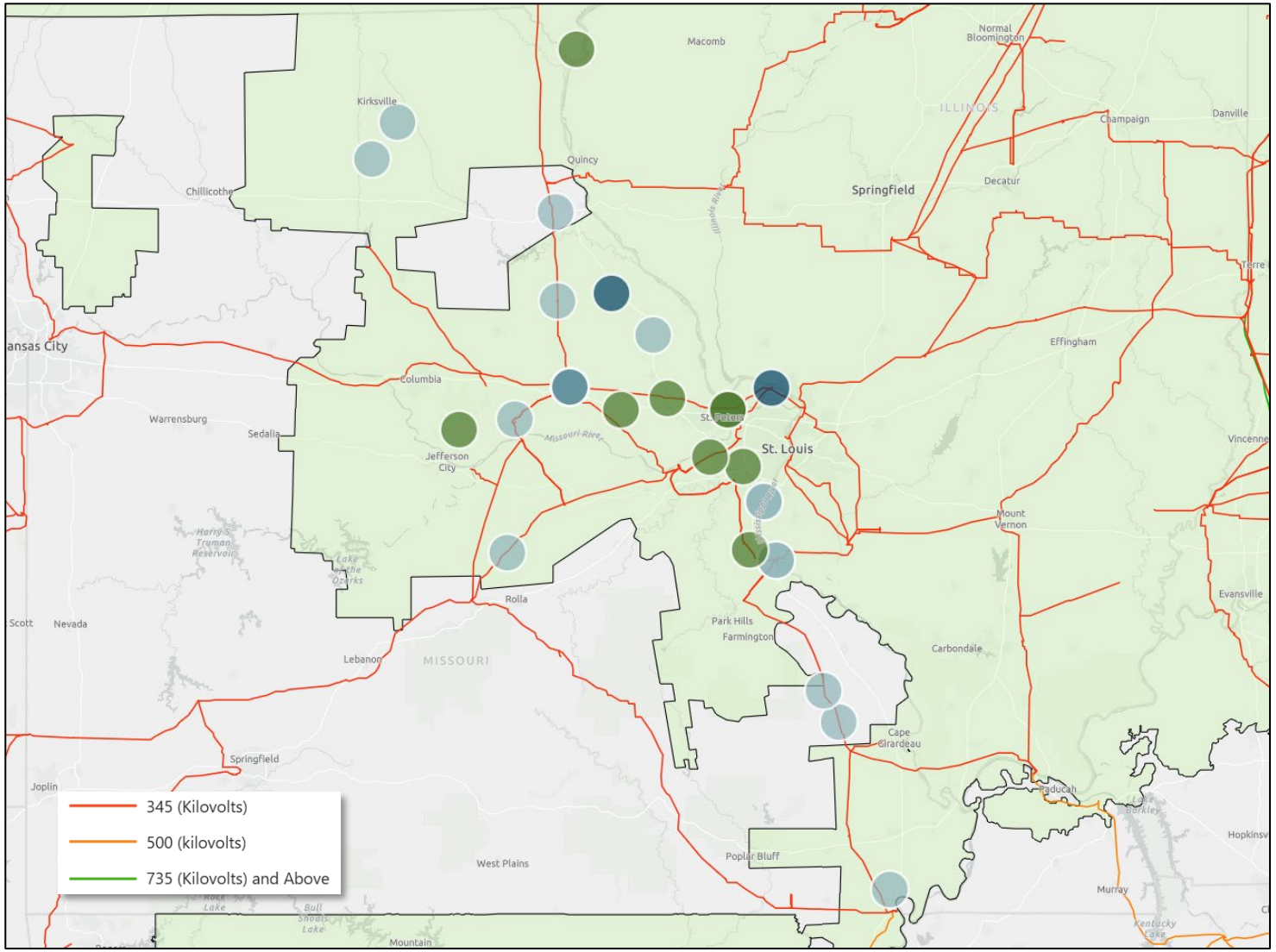
Unlabeled

# AMMO MTEP26 Project Type Breakdown

## AMEREN MISSOURI

MTEP26 Summary

| | |
|---|---|
| GIP | 15 |
| BRP | 4 |
| Other | 11 |

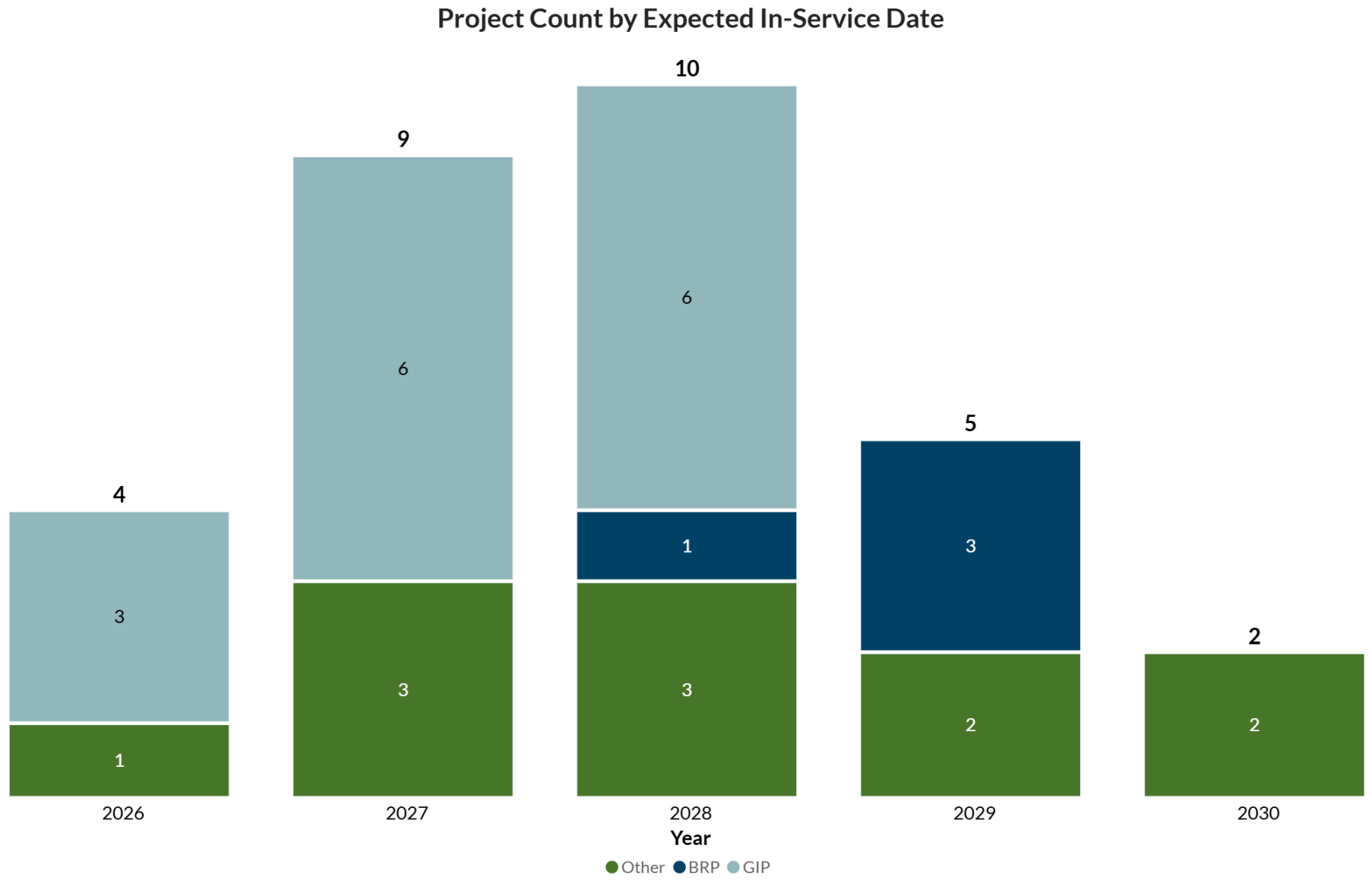



Project information as of 5/15/26.



Unlabeled

# AMMO MTEP26 ISD Breakdown




Project information as of 5/15/26.

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50743 | New Elkhorn 280 MVAR Cap Bank | 12/01/2028 | $12.0 M |
| 51113 | Upgrade Montgomery 345 kV terminal equipment | 12/01/2029 | $5.0 M |
| 51114 | Apply Pike – Peno Creek 161 kV E3X | 12/01/2029 | $0.8 M |
| 51128 | Upgrade Sioux-Roxford 138 kV Lines | 12/01/2029 | $8.0 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.

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 22953 | Expand Wildwood 345/138 kV substation | Local Reliability | 12/01/2029 | $13.6 M |
| 23066 | New Point Prairie 161 kV ring bus | Local Reliability | 12/01/2028 | $12.0 M |
| **50695** | **New Hayford 345 kV Substation for load addition** | **Load Growth** | **12/01/2027** | **$12.0 M** |
| **50697** | **Increment Hayford 345 kV Load Addition** | **Load Growth** | **12/01/2030** | **$8.0 M** |
| **50737** | **New Load Addition at New Elkhorn 345 kV substation (Elkhorn Phase 2)** | **Load Growth** | **12/01/2028** | **$40.0 M** |
| **50738** | **New Load Addition at New Yoshi 345 kV substation** | **Load Growth** | **12/01/2028** | **$109.0 M** |
| **50741** | **New Montgomery 345 kV Temporary Tap (Elkhorn Phase 1)** | **Load Growth** | **12/30/2027** | **$0.2 M** |
| **50791** | **New Project Point 345 kV BAAH substation** | **Load Growth** | **12/01/2029** | **$98.8 M** |
| 50891 | Replace Marshall 138 kV Aging Infrastructure | Age and Condition | 12/01/2027 | $4.5 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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **51175** | **Rebuild Carbide Tap-Viele 161 kV line (JUA AECI/NE Power)** | **Local Needs** | **11/30/2026** | **$0.1 M** |
| 51321 | Rebuild Montgomery-Guthrie 161 kV Line | Local Reliability | 12/01/2030 | $40.0 M |
| **51323** | **New Project Point 345 kV Temporary Tap** | **Load Growth** | **6/1/2028** | **$0.0 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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50054 | New Bollinger County Solar 345 kV Ring Bus Substation (J1519) | 12/01/2027 | $12.0 M |
| 50055 | New Reform Solar Odyssey 345 kV Ring Bus (J1836) | 06/01/2027 | $12.0 M |
| 50177 | New Castle Bluff Energy Center Meramec 138 kV connection (R1047) | 12/01/2026 | $3.5 M |
| 50771 | New Big Hollow CTG Energy Center interconnection (R1057) | 06/01/2027 | $2.5 M |
| 50772 | New Big Hollow BESS Energy Center Connection (R1058) | 06/01/2027 | $0.2 M |
| 50776 | New Macon County Solar Plainview 161 kV Ring Bus (J2050) | 12/01/2027 | $17.0 M |
| 51052 | New Castle Bluff BESS Energy Center connection (R1059) | 12/01/2026 | $1.0 M |
| 51239 | New Position at Spencer Creek 345 kV substation for Tom Sawyer Solar (J2288) | 12/01/2026 | $0.1 M |
| 51240 | New Richter 161 kV Ring Bus for Mighty Mississippi Solar (J2155) | 06/01/2028 | $13.4 M |



Unlabeled

# Generator Interconnection Projects (GIPs) cont.

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51241 | New Gibbs 345 kV Ring Bus for Adair PV 1 (J2142) | 12/01/2028 | $14.4 M |
| 51242 | New Position at Montgomery 345 kV substation for Warren II Storage (J2179) | 12/01/2028 | $7.4 M |
| 51243 | New Position at Hannibal W 161 kV for Lucky Rock Solar Farm (J1948) | 06/01/2028 | $3.0 M |
| 51260 | New Scopus 345 kV Ring Bus for Scopus Solar (J2265) | 12/01/2028 | $15.9 M |
| 51261 | New Wildcat 345 kV Ring Bus for Vichy Solar (J2238) | 12/01/2028 | $19.0 M |
| 51302 | New Quinn 161 kV Ring Bus for Millcreek (E0017) | 12/01/2027 | $10.6 M |



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# Ameren Transmission Company of Illinois



# Update on Current Cycle Projects since SPM1

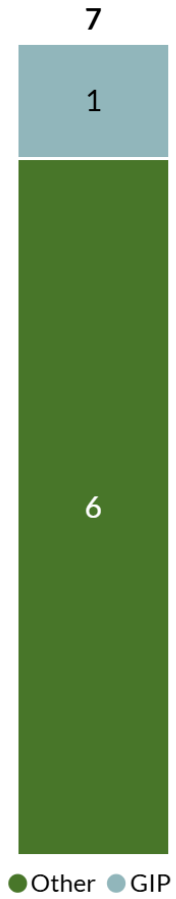
| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51296 | New Greenbrier 345 kV Ring Bus on Denny - Zachary 345 kV line Sullivan Renewable Energy Center (E0013) | GIP | Project added to MTEP26 |



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# AMEREN TRANSMISSION COMPANY OF ILLINOIS

## MTEP26 Projects

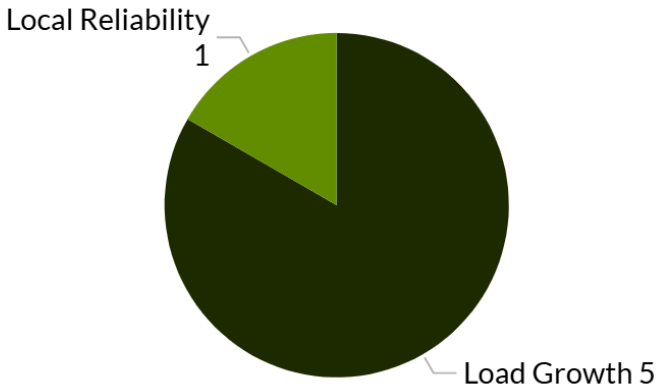



**7**
Total Projects

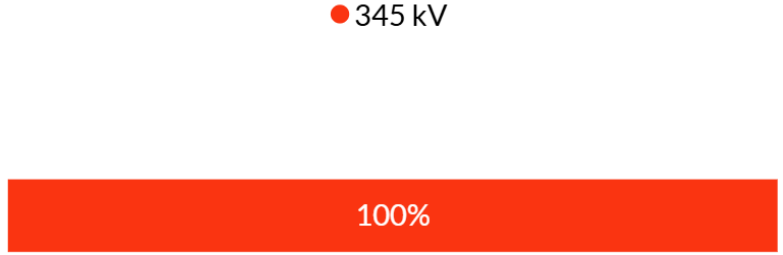
**$486M**
Investment

### Breakdown of Other Project Types

By Project Count

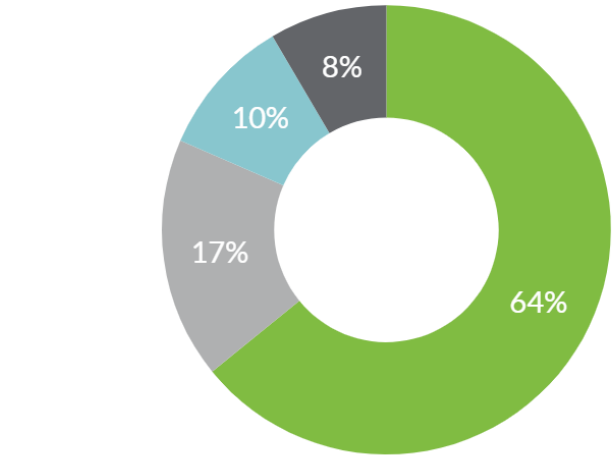



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

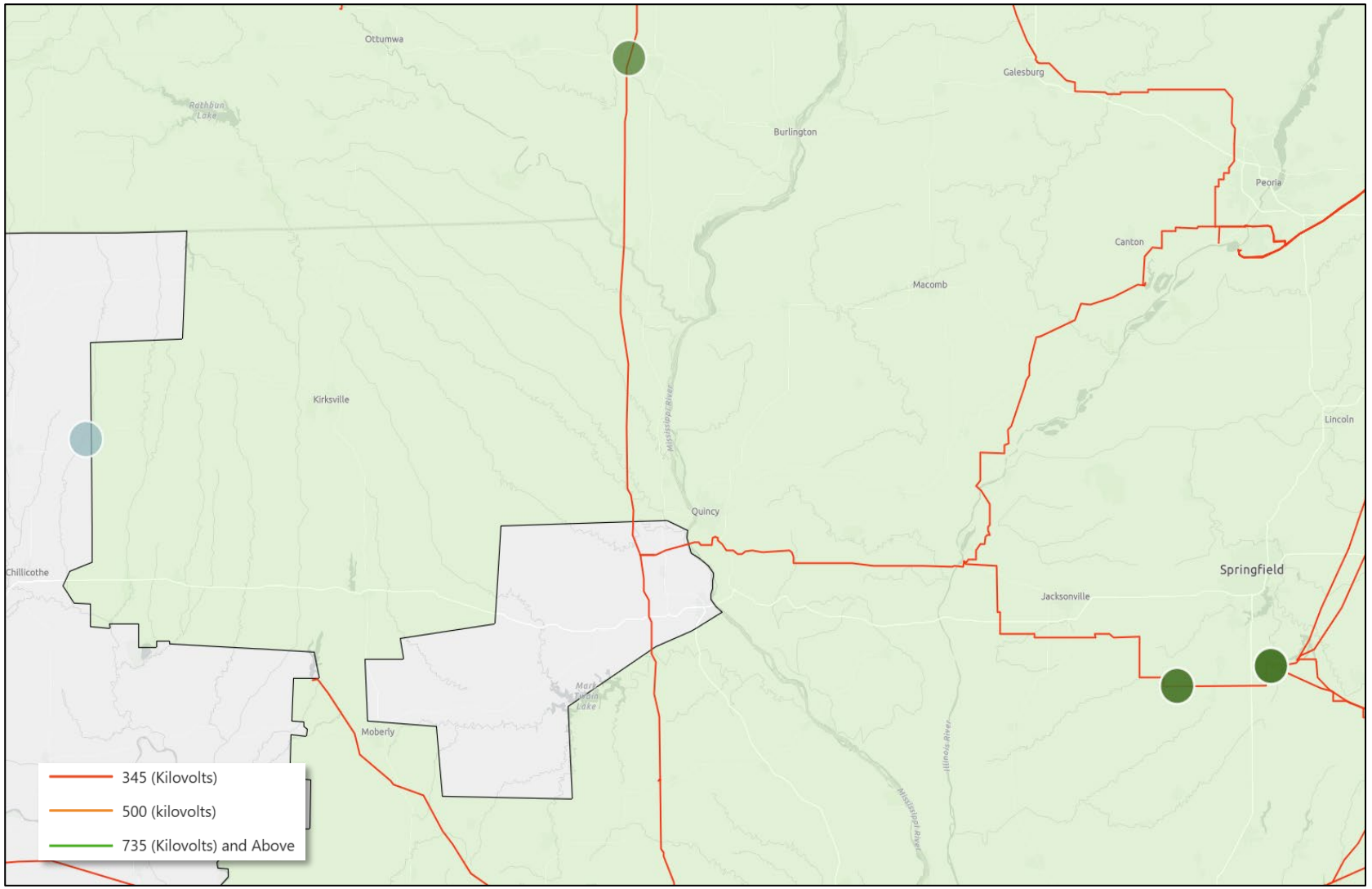
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# ATXI MTEP26 Project Type Breakdown

## AMEREN TRANSMISSION COMPANY OF ILLINOIS

MTEP26 Summary

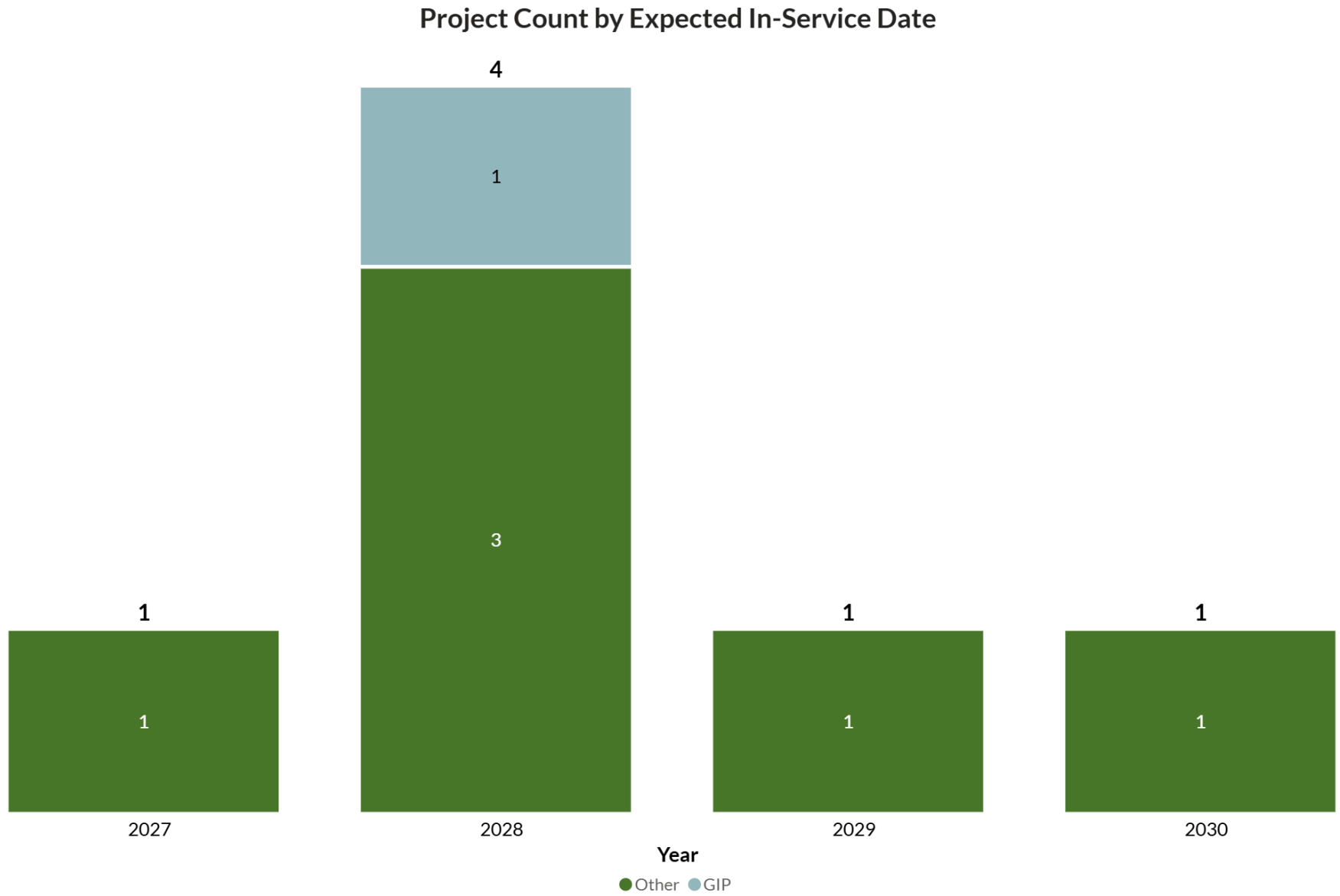
| | |
|---|---|
| GIP | 1 |
| BRP | |
| Other | 6 |




Project information as of 5/15/26.

Unlabeled

# ATXI MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50735 | New RECC Load Addition at Mogul 345 kV substation (Phase 2) | Load Growth | 12/01/2028 | $1.2 M |
| 50736 | New Load Addition at Austin 345 kV substation | Load Growth | 12/01/2028 | $12.0 M |
| 50884 | Upgrade Saunders 345/69kV substation (Phase 2) | Local Reliability | 06/01/2029 | $50.0 M |
| **51303** | **New RECC Load Addition at Mogul 345 kV Substation (Phase 3)** | **Load Growth** | **12/01/2028** | **$18.6 M** |
| **51304** | **New Prairie Link 345 kV Load Addition** | **Load Growth** | **12/01/2030** | **$387.5 M** |
| **51313** | **New Prairie Link 345 kV Temporary Connection** | **Load Growth** | **12/01/2027** | **$2.0 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.

Unlabeled

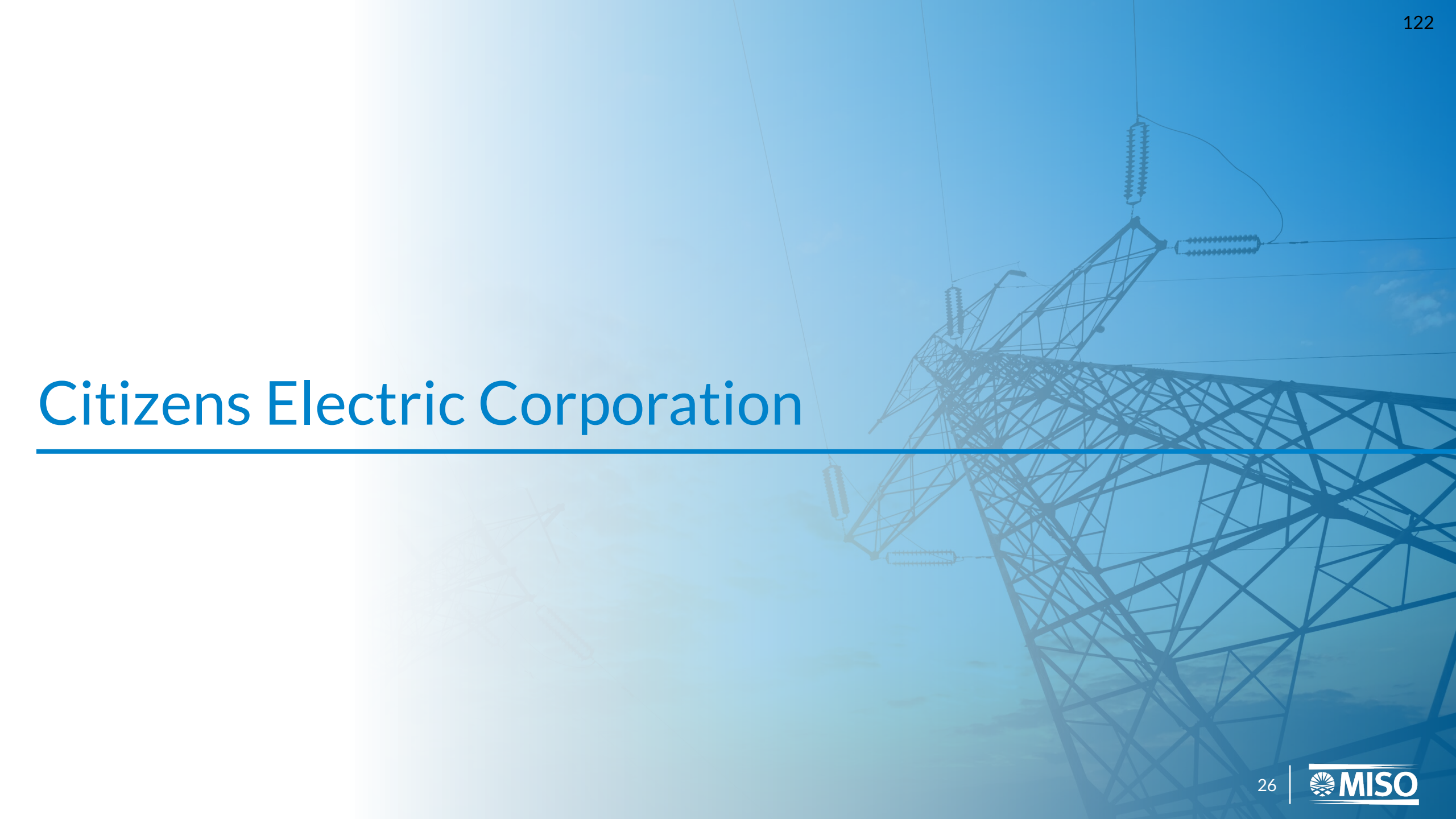
# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51296 | New Greenbrier 345 kV Ring Bus on Denny - Zachary 345 kV line<br>Sullivan Renewable Energy Center (E0013) | 12/01/2028 | $15.0 M |



Unlabeled

# Citizens Electric Corporation



# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50977 | Replace New Bourbon 138 kV/69 kV transformer #1 | Other – Age and Condition | Project ISD changed from 12/31/2026 to 12/31/2028 |



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# CITIZENS ELECTRIC CORPORATION 1

MTEP26 Projects

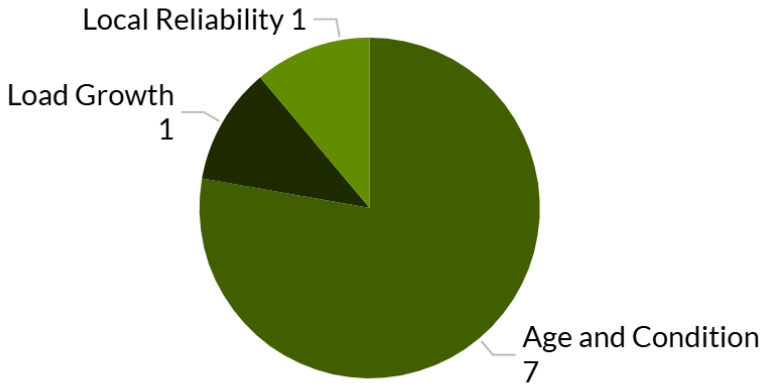



**9**
Total Projects

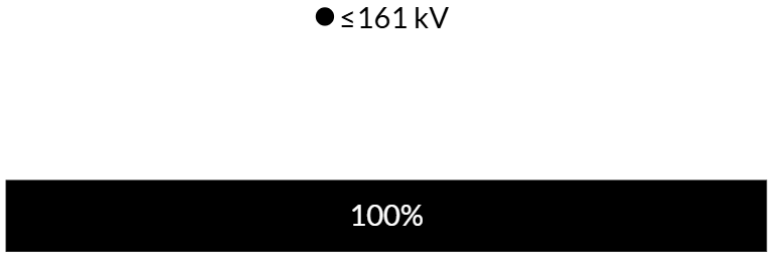
**$58M**
Investment

## Breakdown of Other Project Types

By Project Count

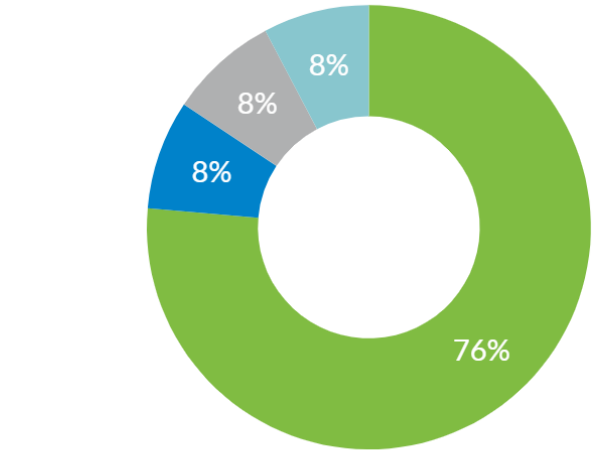



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



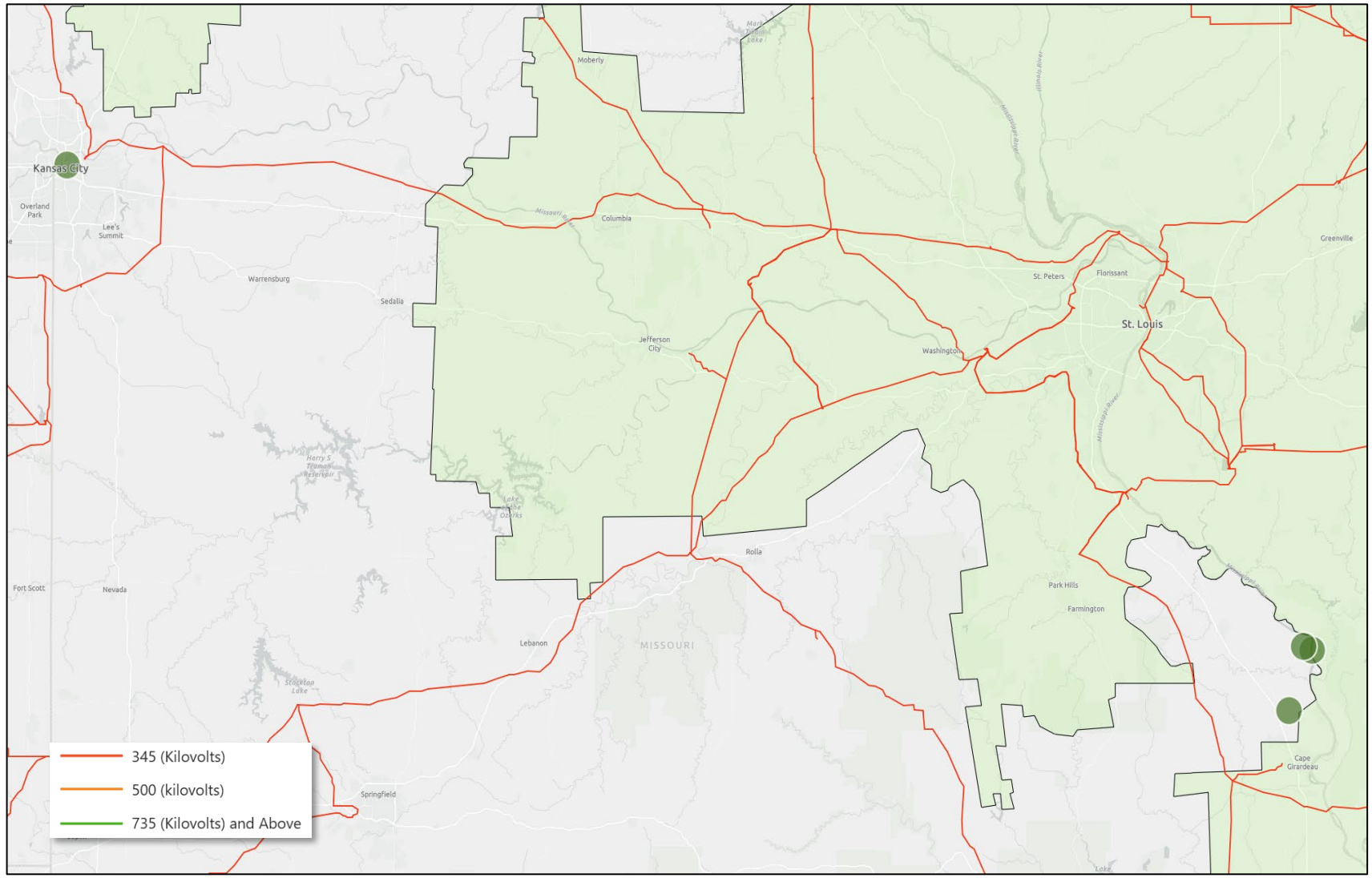
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# CEC MTEP26 Project Type Breakdown

## CITIZENS ELECTRIC CORPORATION 1

MTEP26 Summary

| | |
|---|---|
| GIP | [illegible] |
| BRP | |
| Other | 9 |

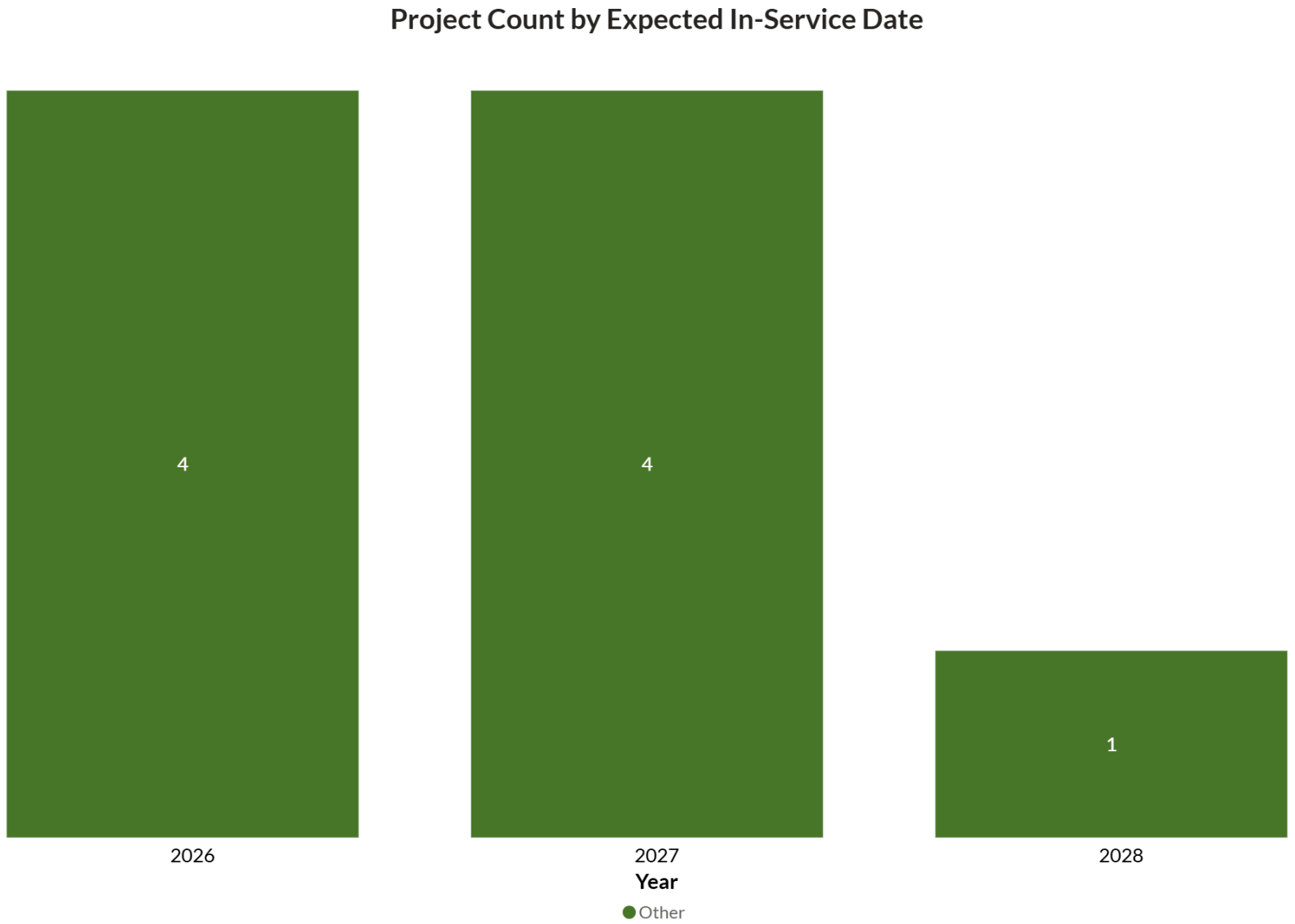



Project information as of 5/15/26.



Unlabeled

# CEC MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50732** | **New Leemon 69 KV substation for load addition** | **Load Growth** | **06/01/2027** | **$2.8 M** |
| **50796** | **Repair Wittenberg 138 kV Switching Station Access Road** | **Age and Condition** | **04/01/2027** | **$1.5 M** |
| **50797** | **Remediate Grand Tower 138 kV Foundation Erosion** | **Age and Condition** | **04/01/2027** | **$1.5 M** |
| 50977 | Replace New Bourbon 138 kV/69 kV transformer #1 | Age and Condition | 12/31/2028 | $4.5 M |
| 51091 | MTEP26 Transmission Pole Replacement Program, 138kv-69kV, various locations. | Age and Condition | 12/31/2026 | $0.9 M |
| 51105 | Rebuild Citizens 69kV Line (Groups A & B) | Age and Condition | 12/31/2026 | $1.6 M |
| 51106 | Rebuild Citizens 69kV Line (Groups C & E) | Age and Condition | 12/31/2026 | $0.7 M |
| 51108 | Upgrade New Bourbon bus tie breaker (B40) | Age and Condition | 12/31/2026 | $0.4 M |
| 51325 | New Valley View-Salem Bulk 69 kV line | Local Reliability | 12/31/2027 | $44.5 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.

Unlabeled

# Contacts

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Amanda Schiro
Sr Manager Expansion Planning
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(651)233-3618



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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.*

**Learn more and follow MISO at:**

misoenergy.org

LinkedIn: Midcontinent ISO




# MTEP26 Reliability Planning Scope Overview

2nd East Subregional Planning Meeting (ESPM2)

Tuesday, June 2, 2026

Update posted 6/1/2026

# Purpose & Key Takeaway



## Purpose

To show results of MISO's independent assessments and how needs align with MTEP26 projects

## Key Takeaways

- Of those, 61 are proposed in the East region

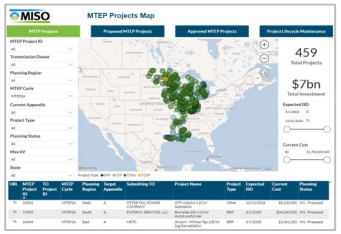
MTEP Portal was used to gather information and develop SPM materials. All data was pulled on May 15, 2026



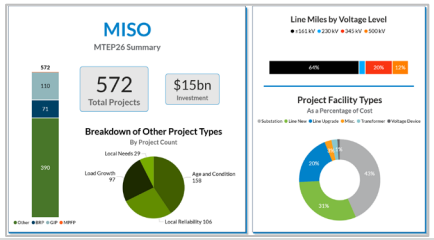
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# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

MTEP Report

Local Reliability Journey Begins Here

We are here (SPM2)

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**TO/MP Submit Project Proposals**
***Sept. 15th***

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

| 2025 | | | | | | | | | | | | 2026 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

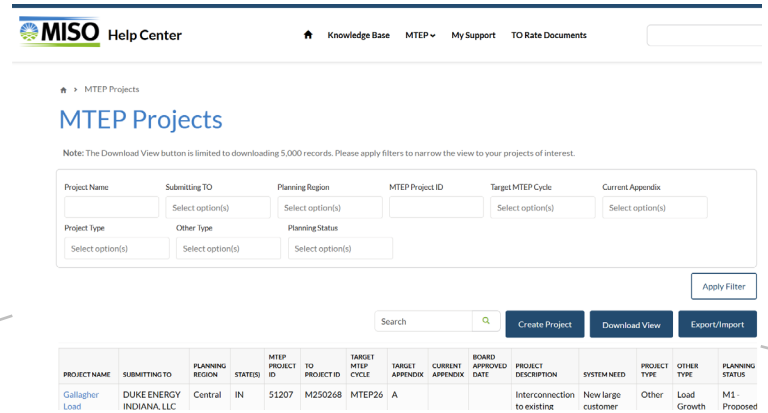
**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

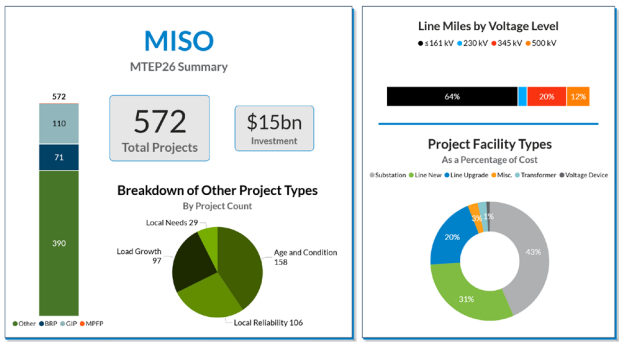
Present Day



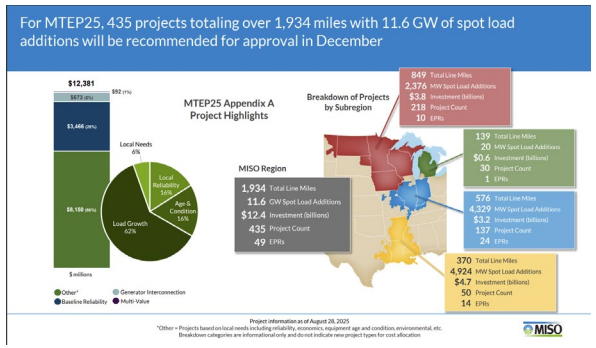
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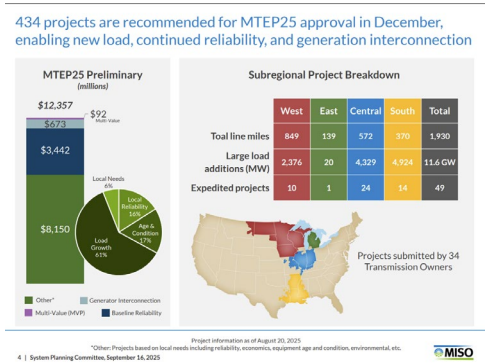

## Subregional Planning Meeting (SPM)



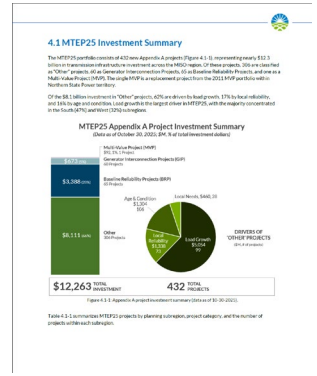

## Planning Advisory Committee (PAC)




## System Planning Committee (SPC)

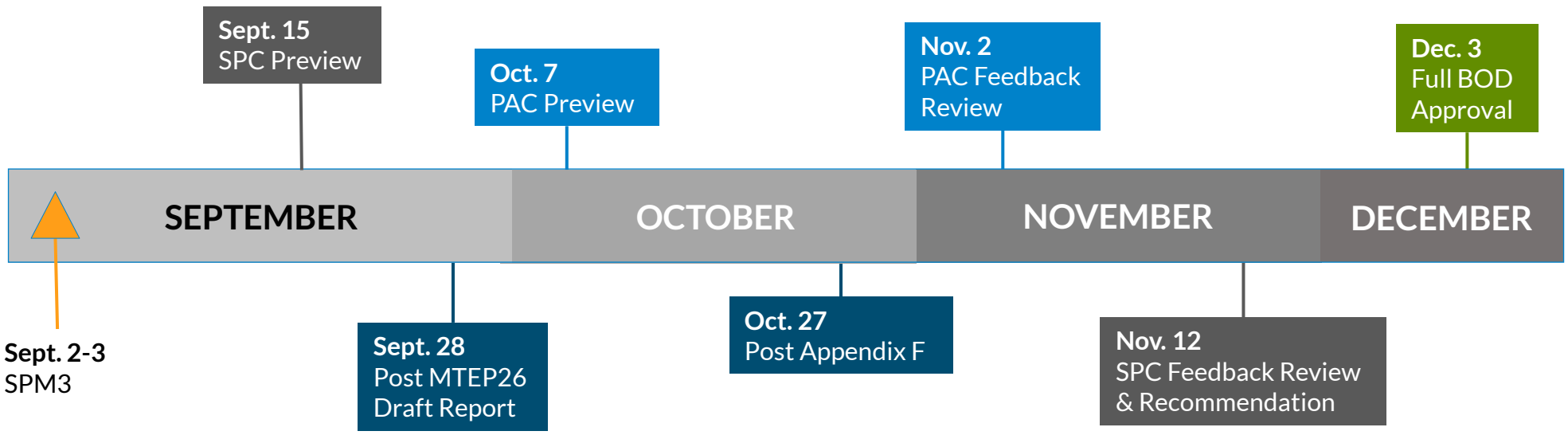



## Official MTEP Report




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**(Sept. 28 – Oct. 12)**
MTEP26 Stakeholder Substantive Feedback Window




## NOTICE

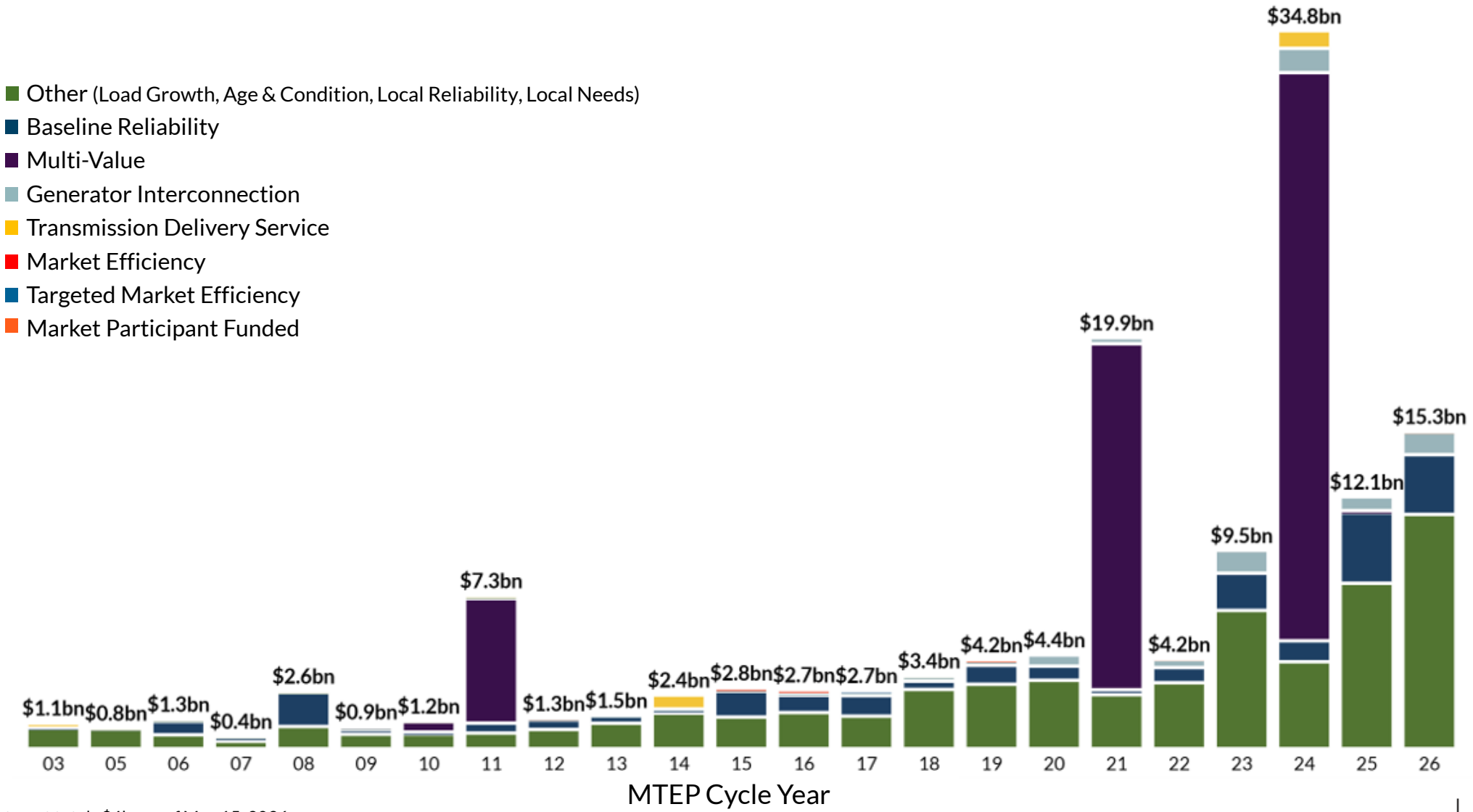
**August 19, 2026 (COB)**
***Deadline** to Update Project Information in the MTEP Portal in order to be presented at SPM3 AND included in MTEP26 Report*

- Planning Advisory Committee
- MTEP Report Public Posting
- System Planning Committee
- Board Final
- Stakeholder Deadlines
- Subregional Planning Meetings (SPM)

Dates as of 5/15/2026



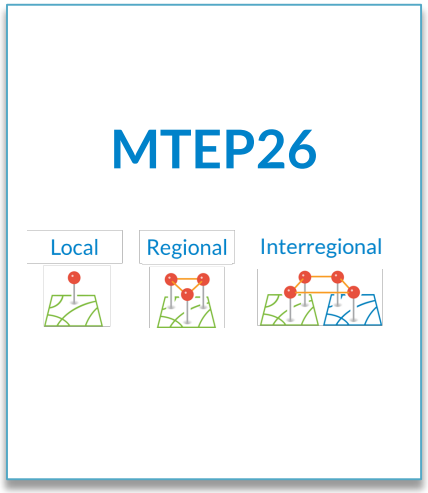
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MTEP26 EPR investment totals $4bn as of May 15, 2026.
We anticipate EPR investment to continue throughout the MTEP cycle.

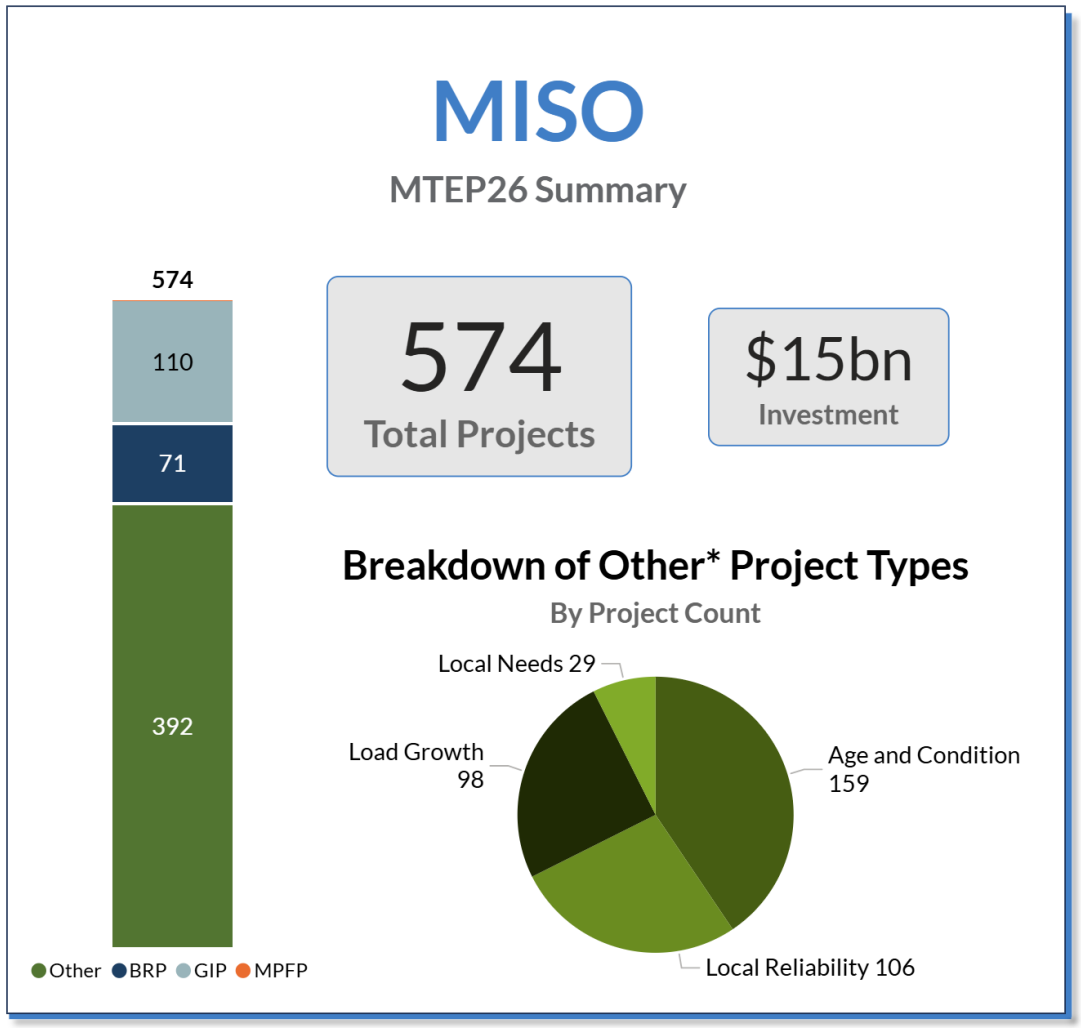
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# MTEP26 Overview




- **Core Reliability Studies**
  - NERC Transmission Planning (TPL) studies for planning horizon
  - Transmission Service Requests
  - Generator Interconnection Requests
  - System Support Resources studies for generator retirements or suspensions
- **On-Going Efforts**
  - Addressing large load additions
  - Completing Futures Redesign process
  - Midwest Long-Range Transmission Planning (LRTP)
  - South LRTP
  - Interregional planning (e.g., PJM and SPP studies)
  - Tranche 1 and 2.1 implementation support (e.g., regulatory process, competitive transmission administration)
  - Order 1920 compliance


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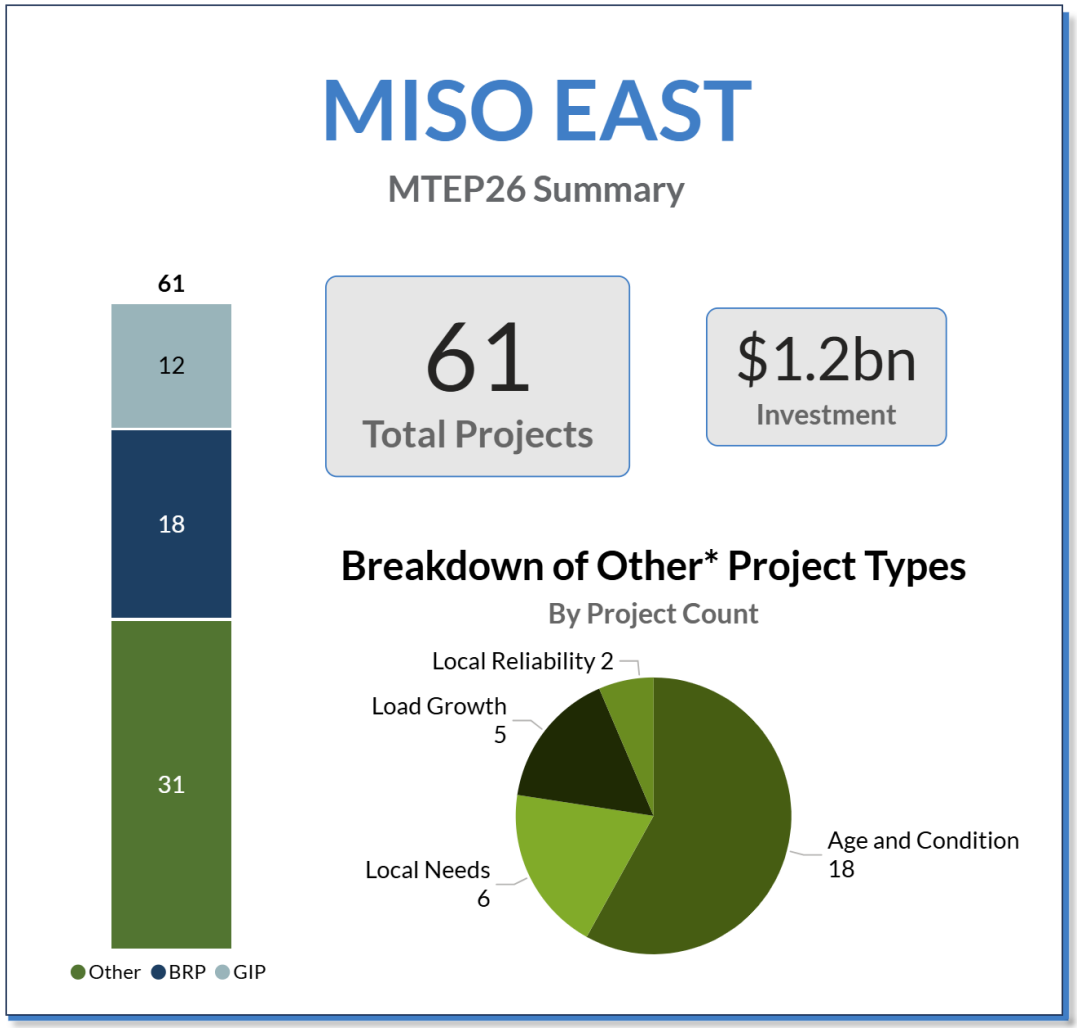



## Insights

- A significant majority of the Expedited Project Review (EPR) projects are to facilitate load growth
- High Voltage projects are supporting large loads and new generation interconnections
- Members continue to plan and invest in specific local needs as the majority of projects apply at 69 kV or 138 kV

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MISO Portal.
Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.


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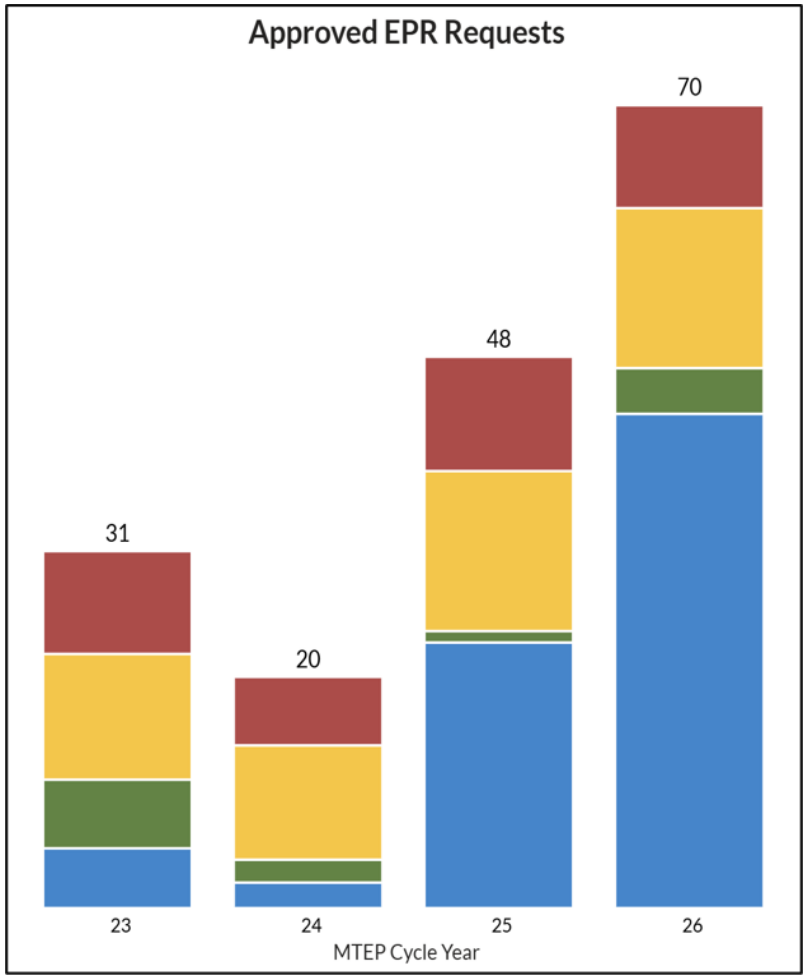

## Insights

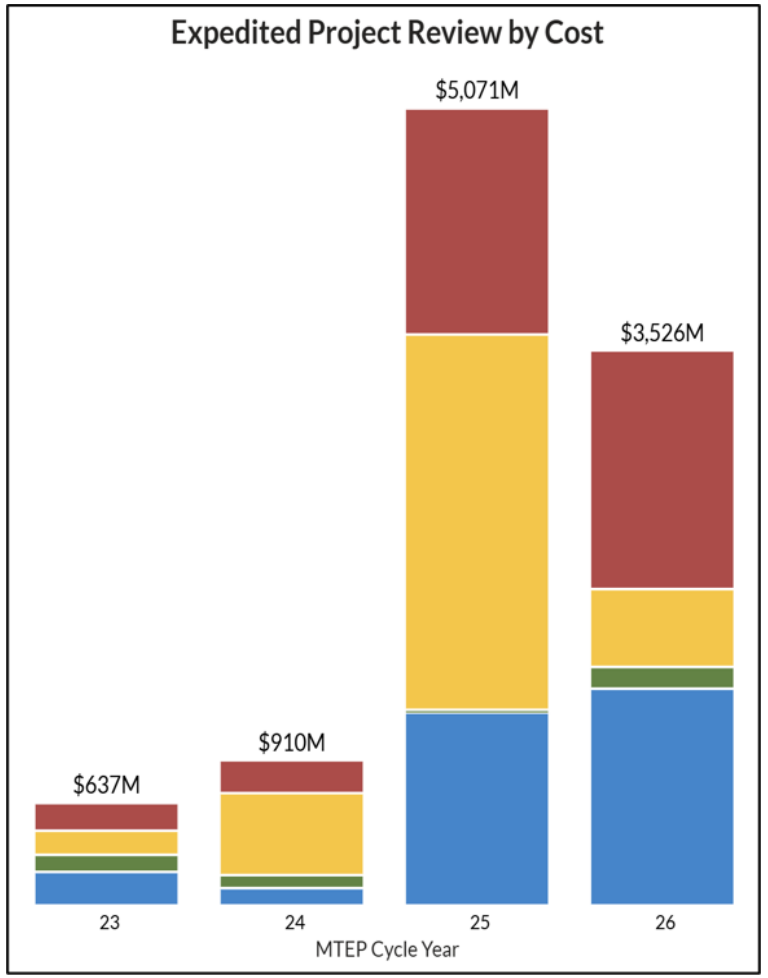
- Age and Condition projects continue to dominate the East Region
- Load withdrawal has impacted the assessment of transmission needs in the area
- There is a concentration of the projects in the southern Detroit metro area

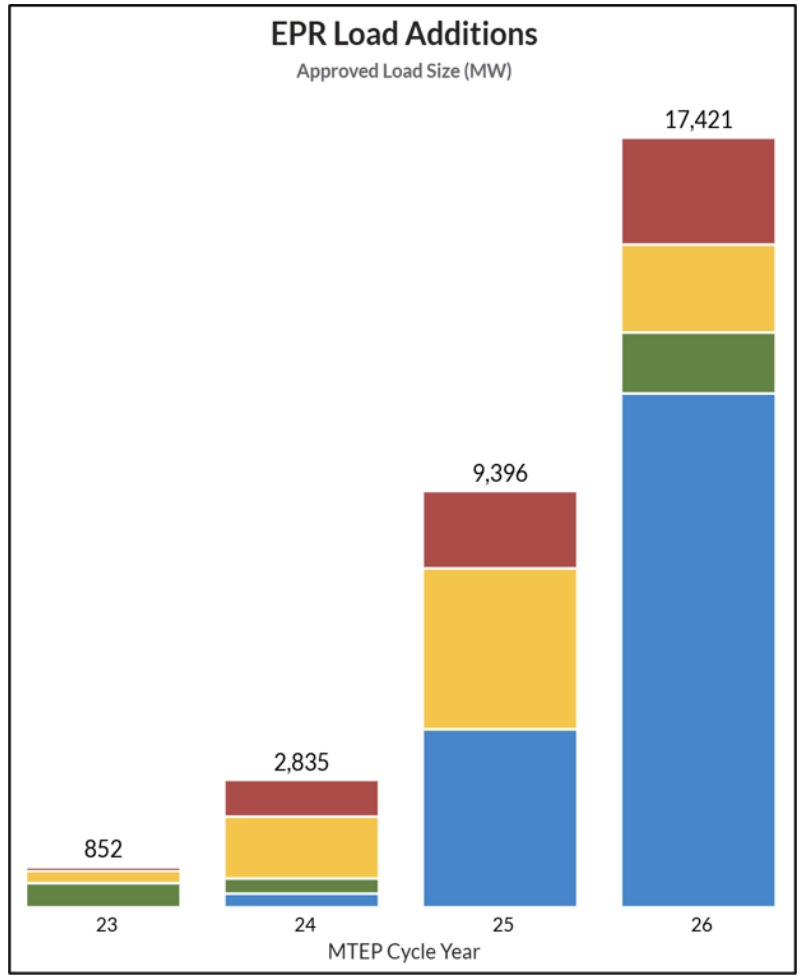
MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MISO Portal.
Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.



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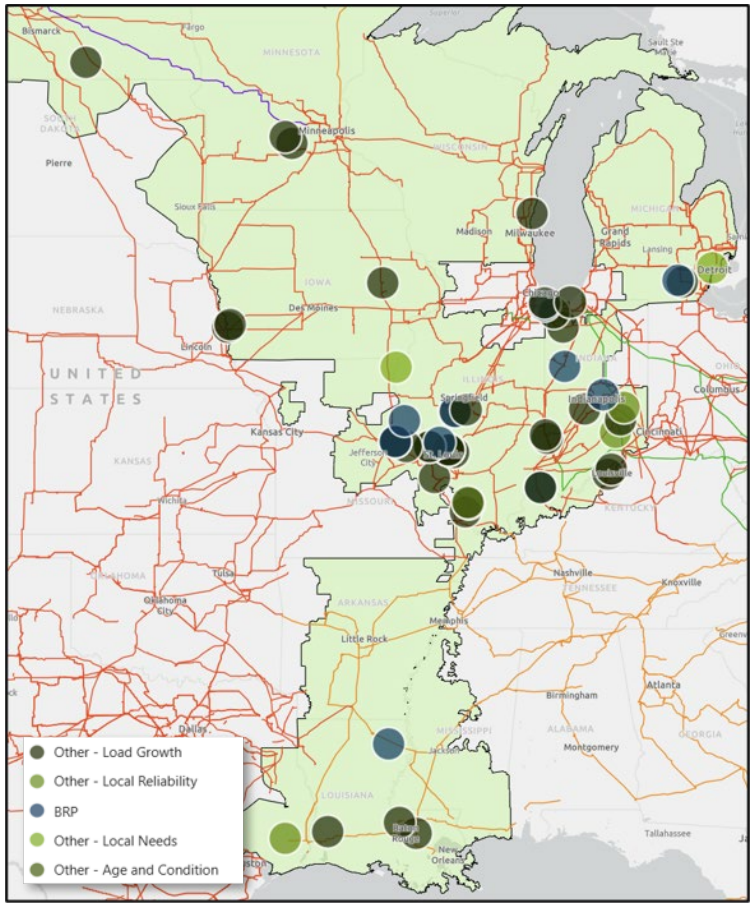




West East Central South

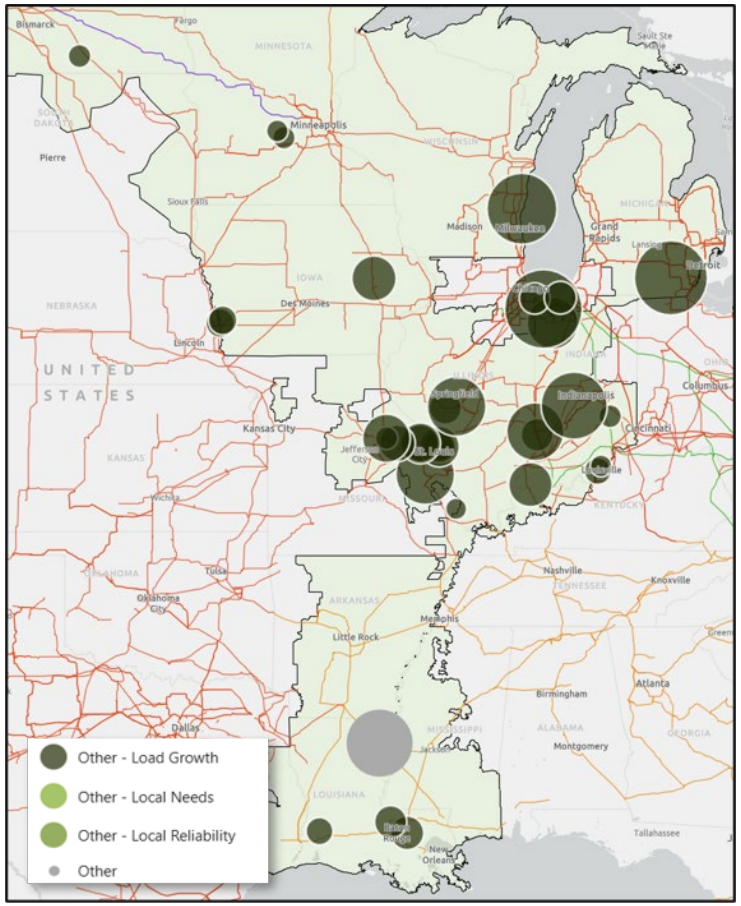
Note: these reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

Unlabeled

# MTEP26 EPR Locations




# MTEP26 EPR Spot Load Locations




| MTEP26 Important EPR Dates | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| September 9, 2025 | |
| October 7, 2025 | October 1, 2025 |
| November 4, 2025 | |
| December 2, 2025 | December 1, 2025 |
| January 6, 2026 | |
| February 3, 2026 | February 2, 2026 |
| March 3, 2026 | |
| April 7, 2026 | April 1, 2026 |
| May 5, 2026 | |
| June 9, 2026 | June 1, 2026 |
| July 7, 2026 | |
| August 4, 2026 | August 3, 2026 |

Note: these reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

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## Things to keep in mind as all MISO Planners present individual TO presentations

- 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*

## Next Steps

### MISO

- Continue performing a global NERC TPL assessment to identify transmission issues
- Assess solutions and alternatives provided by Transmission Owner(s), Stakeholders or MISO staff to ensure compliance
- Select preferred solutions and recommend to Board

### Stakeholders

- Provide process related feedback along with inputs on identified issues and proposed solutions



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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.*

**Learn more and follow MISO at:**

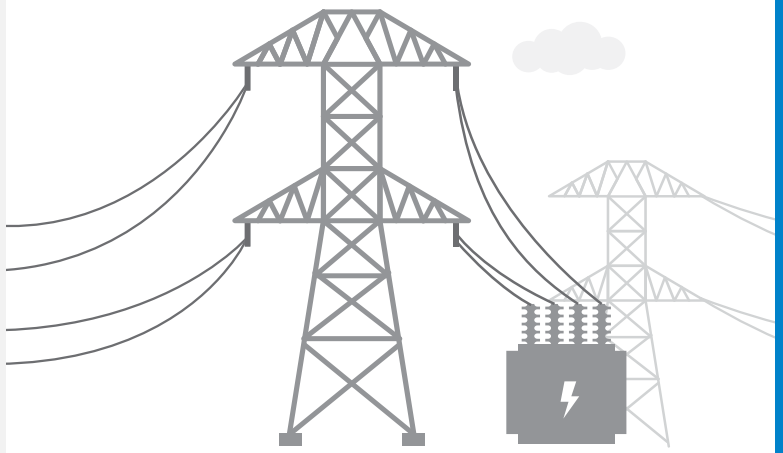
misoenergy.org

LinkedIn: Midcontinent ISO

# Appendix

## NERC reliability planning (MTEP)

- Load generally modeled as the most probable (50/50) coincident
- Generation resources consider signed GIA and approved Attachment Y by horizon
- MTEP A in service by horizon
- 2, 5, 10 years



## Long-term planning (LRTP)

- Projected load growth by existing economic factors and electrification
- Member plans: Utility IRPs and announced state and utility goals
- MTEP A in service by horizon
- 20+ years

**Local / Near-Term** → **Regional / Long-Term**



Unlabeled

| Analysis | Steady State Analysis | Transient Stability Analysis | Voltage Stability Analysis | Transfer Capability Assessment | Nuclear Plant Assessment | Generator Deliverability Analysis |
|---|---|---|---|---|---|---|
| Scope | Contingency analysis for both planning and extreme events | Disturbance analysis for both planning and extreme events | Identify voltage stability limits under a set of transfer scenarios | Evaluate transfer capability of the system under various transfer scenarios | Monitor and identify potential NPIR violations | Determine deliverability of existing network resources |
| Horizon | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) | Near term (year 5) | Near term (year 5) | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) |
| Standard | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • FAC-014<br>• PRC- 023 | • FAC-013<br>• FAC-014<br>• PRC- 023 | • NUC-001<br>• PRC-023 | |



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# MTEP PROJECT CATEGORIES

| Multi-Value Projects (MVP) | Market Efficiency Projects (MEP) | Baseline Reliability Projects (BRP) | Generator Interconnection Projects | Transmission Delivery Service Projects | Other Projects | Market Participant Funded Projects |
|---|---|---|---|---|---|---|
| Provide regional public policy, economic and/or reliability benefits | Address market transmission congestion | Required to meet standards for both NERC and regional reliability | Needed to reliably connect new generation to the transmission grid | Enable power delivery | Address local reliability issues and/or provide local economic benefit | Funded by project requestor (often not a Transmission Owner) |



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# MTEP26 Project Information - ITCT

2nd East Subregional Planning Meeting

Tuesday, June 2, 2026

**Update: Slide 23 (6/3/2026)**

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



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

- ITC Transmission Co. (ITCT): 24 submitted projects at an estimated cost of $818 million



Unlabeled

# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 15871 | Reconductor Brownstown-Monroe #1 345 kV | BRP | Project ISD changed from 12/31/2026 to 12/31/2031, Project cost decreased from $30.6M to $16.1M |
| 15873 | Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation | BRP | Project cost increased from $1.2M to $9.7M |
| 50141 | J1917 Generator Interconnection - Network Upgrades | GIP | Moved to MTEP27 |
| 50142 | J1917 Generator Interconnection - TOIF | GIP | Moved to MTEP27 |
| 50155 | J1902 - Generator Interconnection - TOIF | GIP | Moved to MTEP27 |
| 50178 | J2490 Generator Interconnection - Network Upgrades | GIP | Moved to MTEP27 |
| 50183 | J2490 Generator Interconnection - TOIF | GIP | Moved to MTEP27 |
| 50290 | J2878 Generator Interconnection - Network Upgrades | GIP | Moved to MTEP27 |
| 50291 | J2878 Generator Interconnection - TOIF | GIP | Moved to MTEP27 |
| 50308 | J2676 Generator Interconnection - Network Upgrades | GIP | Moved to MTEP27 |
| 50310 | J2676 Generator Interconnection - TOIF | GIP | Moved to MTEP27 |
| 50582 | Greenwood-Rapson #1 - J1944 Generator Interconnection (Ridley) - Network Upgrades | GIP | Moved to MTEP27 |



Unlabeled

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50583 | Greenwood-Rapson #1 - J1944 Generator Interconnection (Ridley) - TOIF | GIP | Moved to MTEP27 |
| 50625 | Vital-Toll Road - J2484 Generator Interconnection - TOIF | GIP | Moved to MTEP27 |
| 50626 | Vital-Toll Road - J2484 Generator Interconnection - Network Upgrades | GIP | Moved to MTEP27 |
| 50839 | Rebuild Baxter-Warren 230kV Line | BRP | Project cost increased from $8.8M to $17.1M |
| 50841 | Rebuild Navarre-DBGEN Tap-Waterman 230kV Line | BRP | Project cost increased from $8.1M to $31M |
| 50844 | Replace Wayne Transformer #304 345-230kV | Other – Age and Condition | Project cost increased from $9.2M to $16.2M |
| 50848 | Replace Brownstown Transformer #302 345-230kV | Other – Age and Condition | Project cost increased from $9.2M to $13.8M |
| 50849 | Decommission Trenton Channel East Mat | Other – Age and Condition | Project cost decreased from $18.4M to $11.9M |
| 50852 | Rebuild Swan Creek - Toll Road 120kV Line | BRP | Project cost increased from $4.5M to $6.1M |
| 50867 | Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines | BRP | Project cost decreased from $2.2M to $1.6M |



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# ITC

## MTEP26 Projects

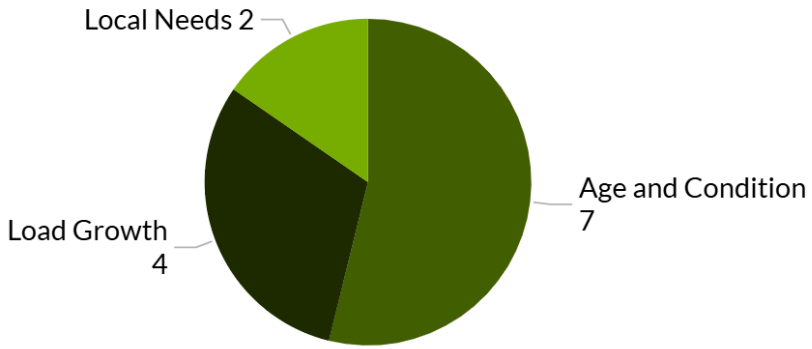



**24**
Total Projects

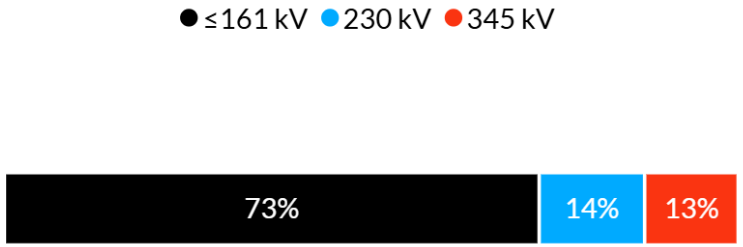
**$818M**
Investment

## Breakdown of Other Project Types

By Project Count

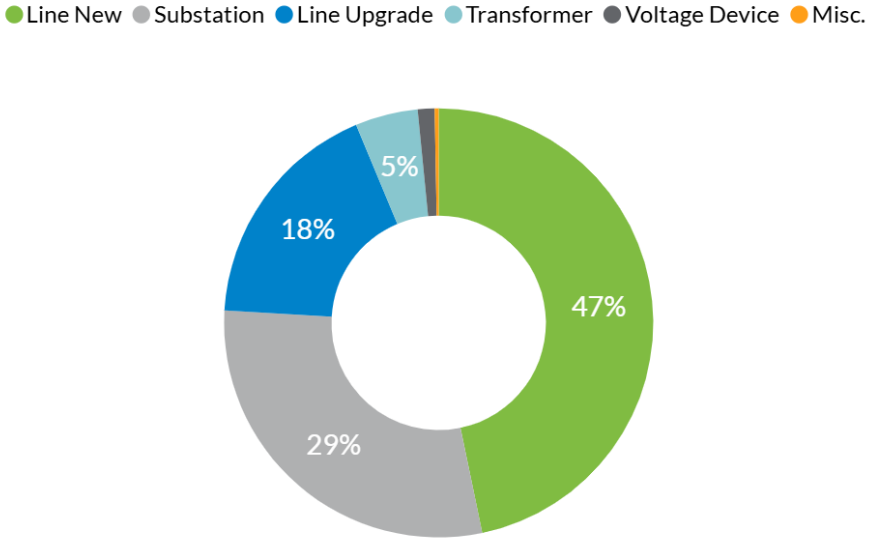



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



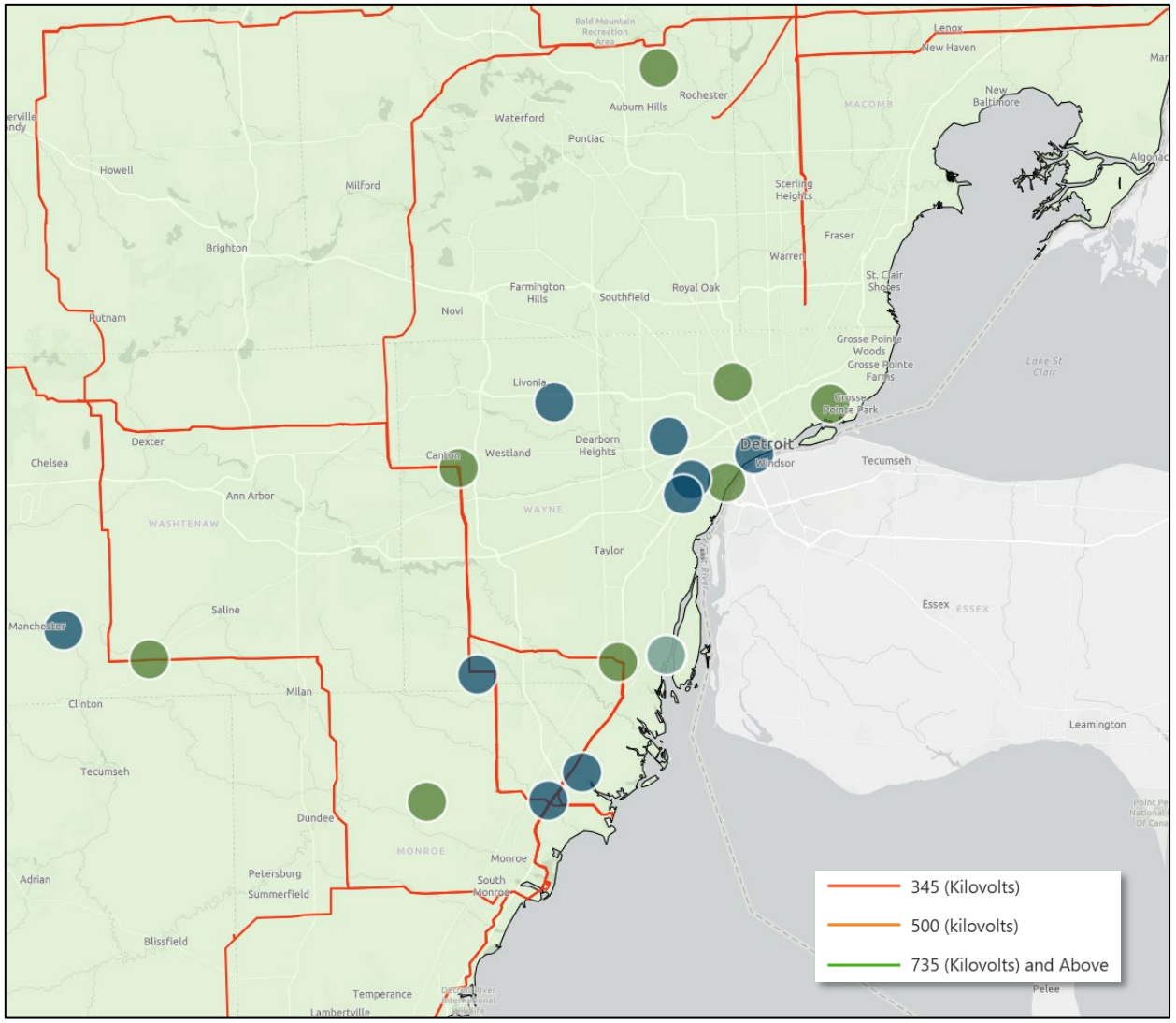
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# ITCT MTEP26 Project Type Breakdown

## ITC

### MTEP26 Summary

| | |
|---|---|
| GIP | 1 |
| BRP | 10 |
| Other | 13 |

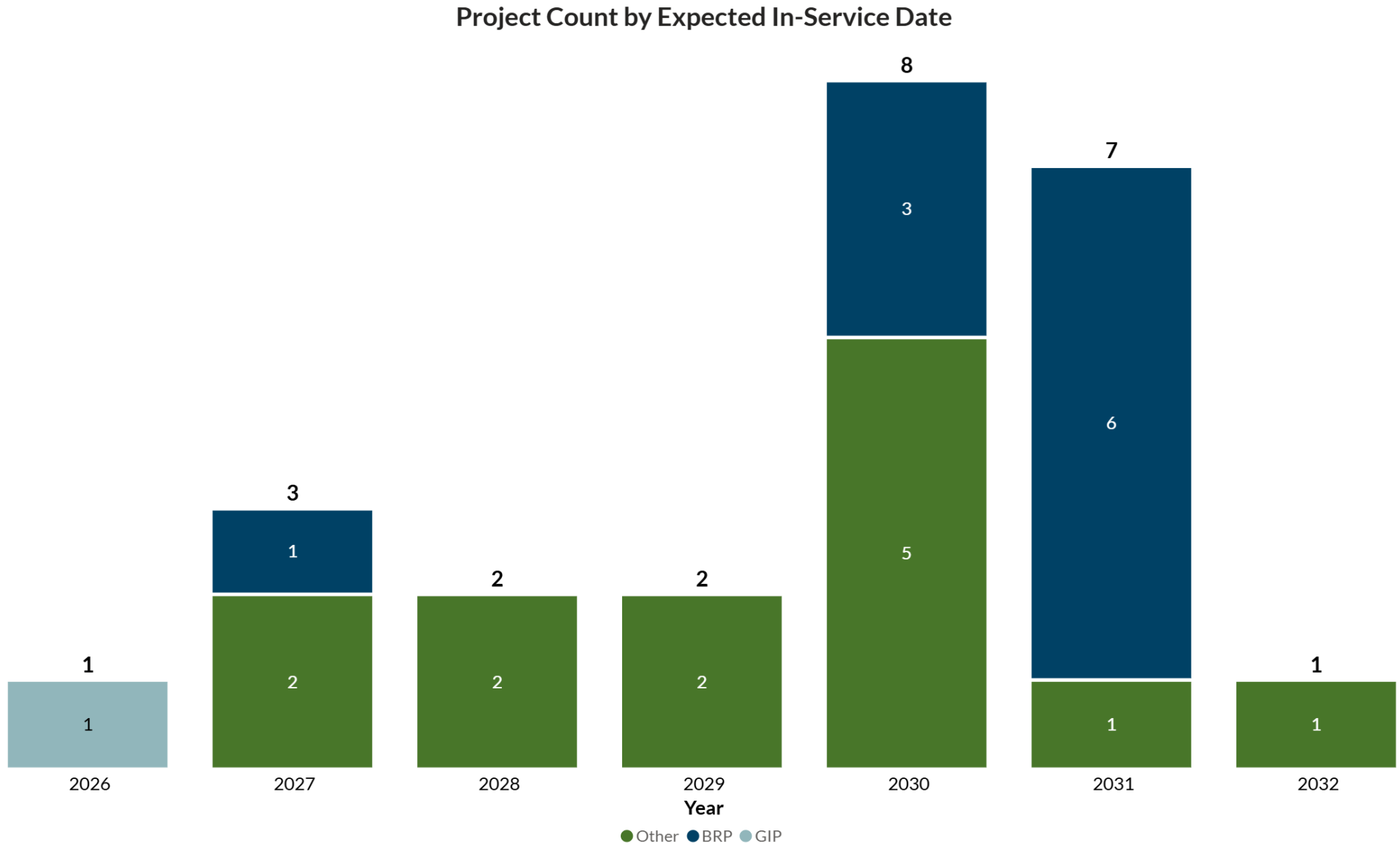



Project information as of 5/15/26.



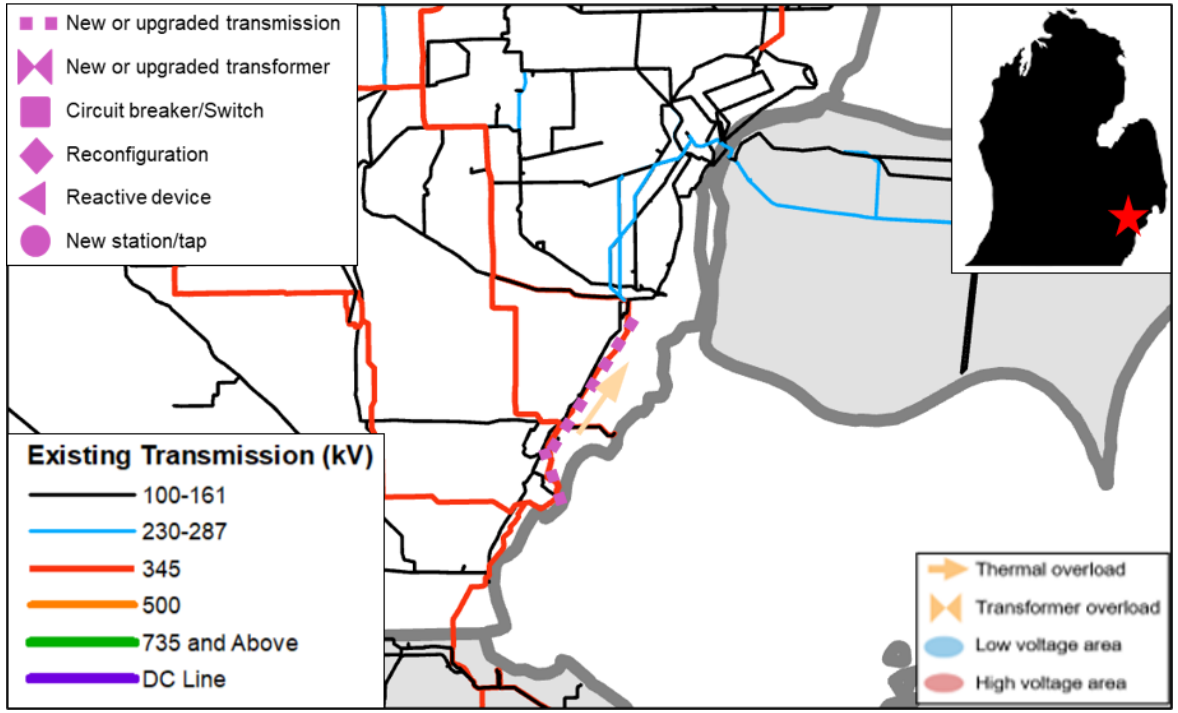
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# ITCT MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Baseline Reliability Project
# Details for Reconductor Brownstown-Monroe #1 345 kV




| MTEP Project ID | 15871 |
|---|---|
| Project Name | Reconductor Brownstown-Monroe #1 345 kV |
| Project Type | BRP |
| Project Description | Reconductor 7.282 miles of the 2-954 ACSR conductor on the Brownstown – Monroe #1 345 kV circuit to 2-1431 ACSR on double circuit steel structures built to 345 kV construction with OPGW. Remediate the sag on the existing 2-1431 ACSR conductor on the Brownstown – Monroe #1 345 kV circuit to the conductor limit. The reconductor is from structure # 10969 south to Monroe 345 kV. The sag remediation is from structure #10969 north to Brownstown 345 kV. |
| System Need | The Brownstown – Monroe 345 kV circuit is projected to be heavily overloaded for many contingencies in the MISO MTEP25 study. The identified overloaded facilities are the conductor, sag limits, and equipment at Brownstown and Monroe 345 kV stations. Also needed for local needs from NPOA study. Also needs to be completed due to Project Cannoli. |
| Current Cost | $16.1 M |
| Expected ISD | 12/31/2031 |
| Target Appendix | A |



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The [ITCT] Brownstown – [ITCT] Monroe line shows loading of 98% in the AA runs, but checking manually for a previously seen worst P6 contingency at Monroe to Wayne and Monroe to Lallendorf still shows overloads in all models. A redispatch was found that resolves the overloads seen in our results.

**MTEP26 Thermal Violations**

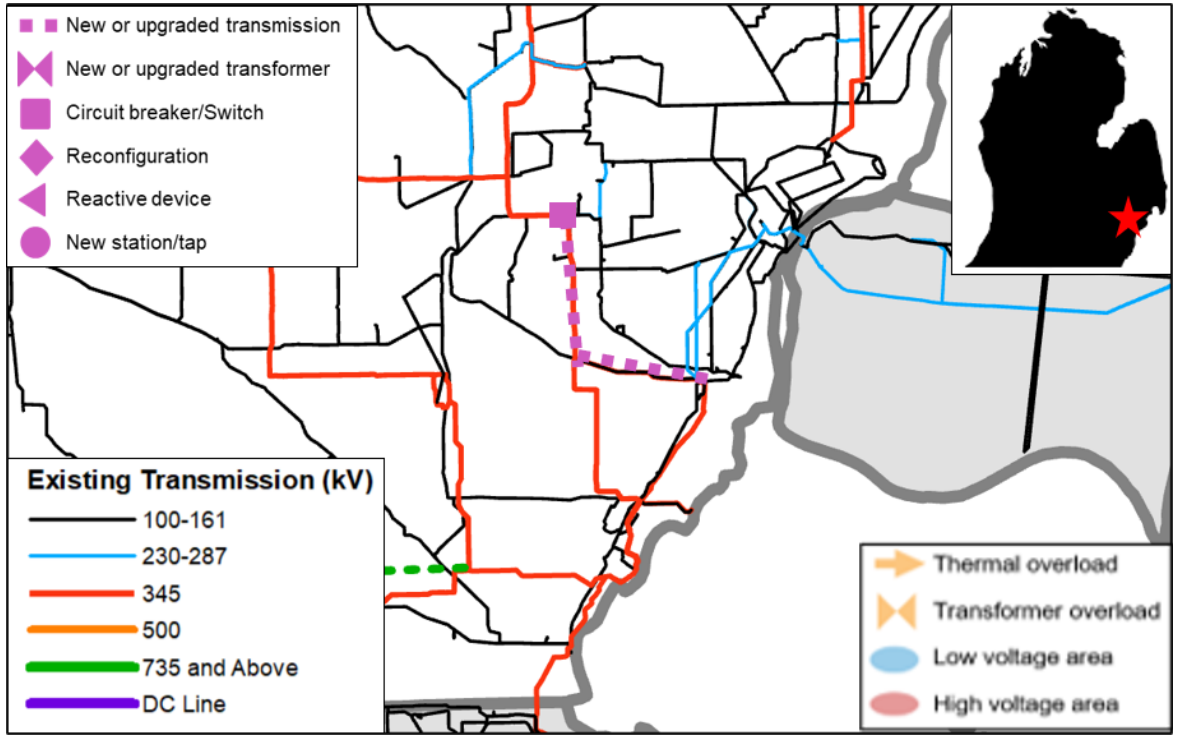
| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM___AA_EPequivalent | [ITCT] Brownstown—[ITCT] Monroe 345 kV line | 101 | - |

Preliminary Recommendation: Move to Appendix B



Unlabeled

# Baseline Reliability Project
# Details for Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation




| MTEP Project ID | 15873 |
|---|---|
| Project Name | Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation |
| Project Type | BRP |
| Project Description | Upgrade the station equipment at Brownstown 345 kV position “FT”. Upgrade the station equipment at Wayne 345 kV positions "DF" and "DM". Raise the sag on Brownstown-Wayne 345kV line. Adjust CTs at both Wayne DF and DM breakers. All upgrades to a minimum summer emergency of 1585MVA (2653A). |
| System Need | The Brownstown – Wayne #2 345 kV circuit is projected to be marginally overloaded for a shutdown-plus-contingency that takes out Brownstown – Fermi #2 345 kV and Monroe – Wayne #1 345 kV lines. The overloaded facility is the station equipment at Brownstown 345 kV positions “FM” and “FT”. |
| Current Cost | $9.7 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |



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The highest loading of the [ITCT] Brownstown – [ITCT] Monroe line is 90% in the 2028 SUM model for a N-1-1 contingency.

**MTEP26 Thermal Violations**

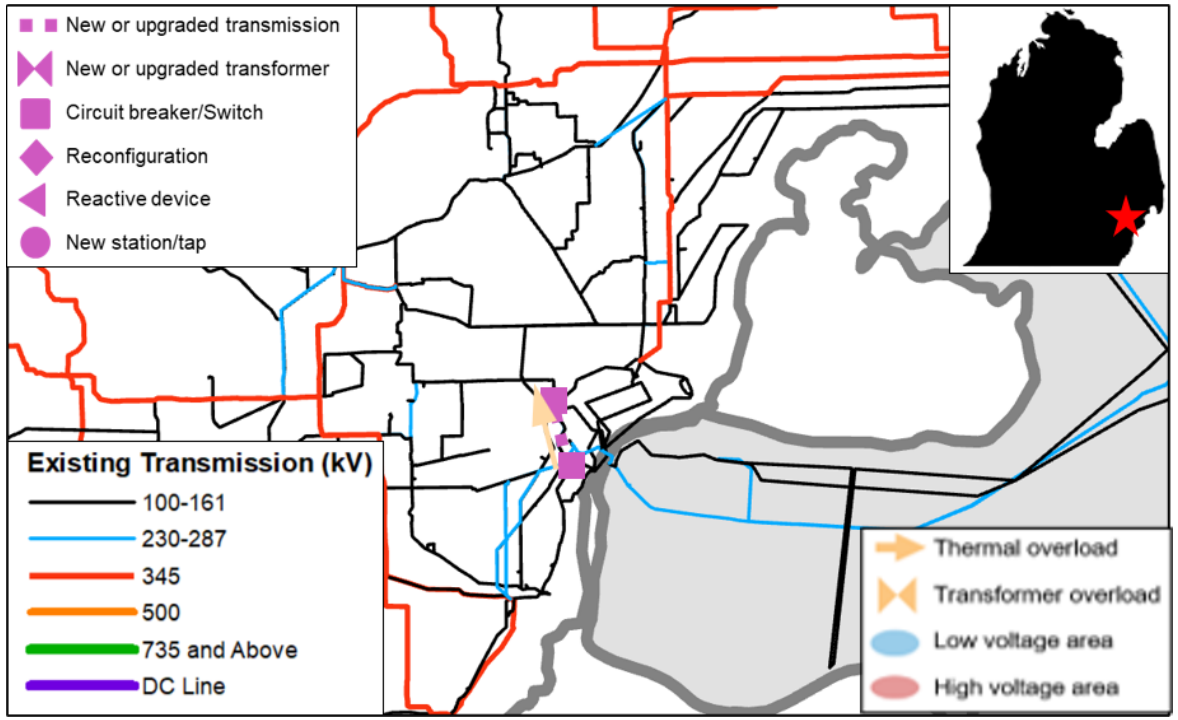
| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM__AA_EPequivalent | [ITCT] Brownstown—[ITCT] Monroe 345 kV line | 90 | - |

Preliminary Recommendation: Move to Appendix B



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# Baseline Reliability Project
# Details for Rebuild Baxter-Warren 230kV Line




| MTEP Project ID | 50839 |
|---|---|
| Project Name | Rebuild Baxter-Warren 230kV Line |
| Project Type | BRP |
| Project Description | Rebuild ~4 miles of 1431 ACSR conductor of Warren-Baxter 230kV line. Upgrade Warren station switches “CD” and “CH”. Upgrade BUS 1590 SAC and 1431 ACSR line drop at Warren station. Upgrade Baxter switch “HI” and 1431 ACSR line drop. All upgrades to a minimum SE of 955MVA (2399A) |
| System Need | Baxter - Warren 230kV line is projected to become overload due to P6 contingency conditions. The overload identified is the 230kV line. |
| Current Cost | $17.1 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |



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The [ITCT] Baxter – [ITCT] Warren line is loaded at 97% in the 2031 SUM and 2031 SHAW models for N-1-1 contingencies. A redispatch was found for this near overload.

**MTEP26 Thermal Violations**

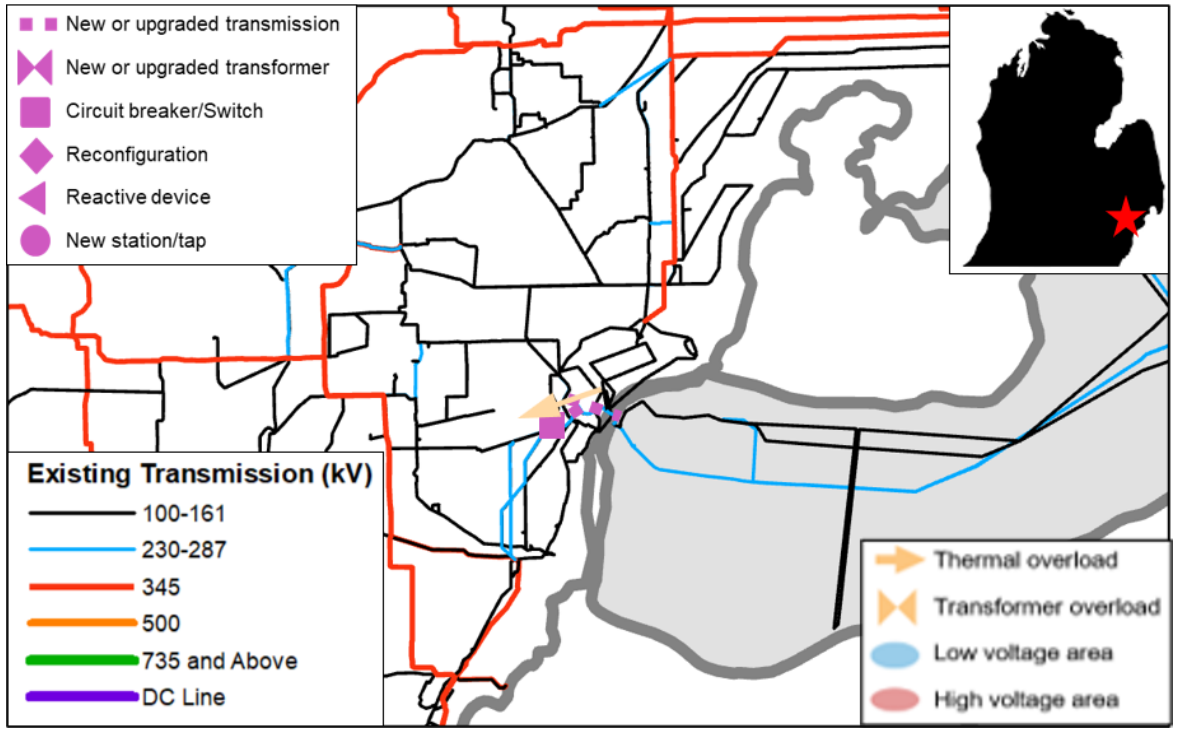
| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | 2031_SP_I1400_L100_W18_G6 | [ITCT] Baxter—[ITCT] Warren 230 kV line | 97 | - |

Preliminary Recommendation: Move to Appendix B



Unlabeled

# Baseline Reliability Project
# Details for Rebuild Navarre-DBGEN Tap-Waterman 230kV Line




| MTEP Project ID | 50841 |
|---|---|
| Project Name | Rebuild Navarre-DBGEN Tap-Waterman 230kV Line |
| Project Type | BRP |
| Project Description | Rebuild Navarre – DBGEN TAP – Waterman 230kV line. Rebuild with 230kV double circuit structure. Rebuild line drops at both Navarre and Waterman stations. All rebuild to a minimum SE of 1311MVA. |
| System Need | Navarre-DBGEN Tap-Waterman 230kV line is projected to become overload due to P0, P11, P2, P3 and P6 contingency conditions. The overload identified is the 230kV line. |
| Current Cost | $31.0 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |


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The [ITCT] Navarre – [ITCT] DBGEN 230 kV line is overloaded in 2031 SUM and 2031 SHAW models for N-1-1 contingencies.

**MTEP26 Thermal Violations**

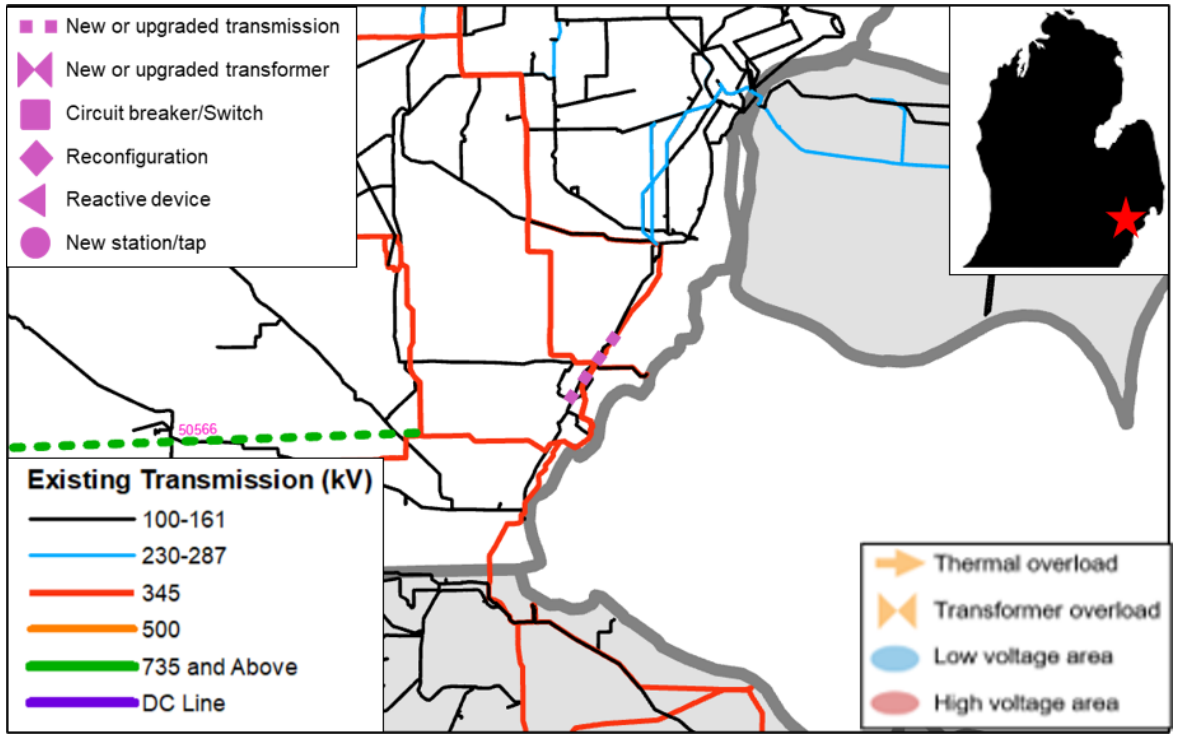
| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | 2031_P70_I1600_L65_W27_P6 | [ITCT] Navarre—[ITCT] DBGEN 230 kV line | 113 | - |

Preliminary Recommendation: Move to Appendix A



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# Baseline Reliability Project
# Details for Rebuild Swan Creek - Toll Road 120kV Line




| MTEP Project ID | 50852 |
|---|---|
| Project Name | Rebuild Swan Creek - Toll Road 120kV Line |
| Project Type | BRP |
| Project Description | Rebuild ~2.5 miles of 477 ACSR Swan Creek - Toll Road 120kV line from STR#1282A to STR#1263 with 954 ACSR conductor. Rebuild with 120kV double circuit structures. |
| System Need | Swan Creek – Toll Road 120kV line is projected to become overload due to P3 and P6 contingency conditions. The overload identified is the 477 ACSR conductor of the 120kV line. |
| Current Cost | $6.1 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |


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The highest loading of the [ITCT] Swan Creek – [ITCT] Toll Road 120 kV line is 93% in the 2028 SUM model for N-1-1 contingencies.

**MTEP26 Thermal Violations**

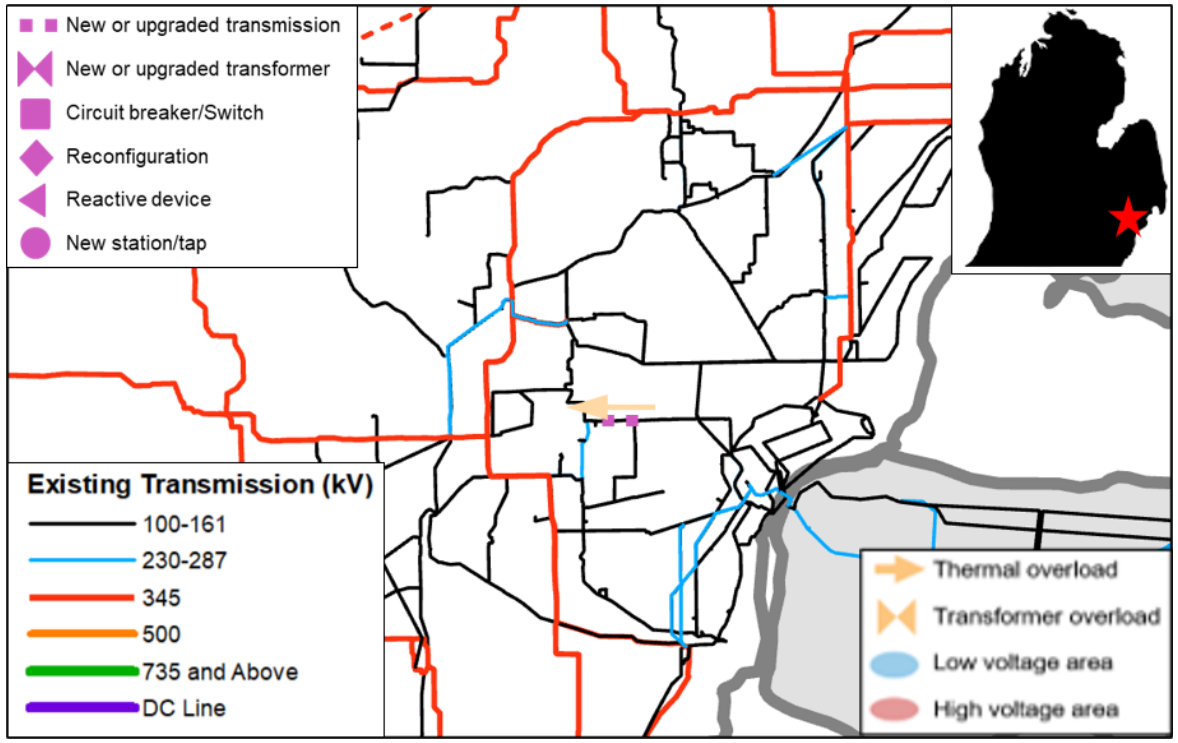
| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM__AA_EPequivalent | [ITCT] Swan Creek—[ITCT] Toll Rd 120 kV line | 93 | - |

Preliminary Recommendation: Move to Appendix B



Unlabeled

# Baseline Reliability Project
# Details for Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines




| MTEP Project ID | 50867 |
|---|---|
| Project Name | Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines |
| Project Type | BRP |
| Project Description | Upgrade both 954 ACSR conductors from STR#5643 to Polaris station with 1431 ACSR conductor. Upgrade 954 ACSR conductor from STR#5652A to Yost station with 1431 ACSR conductor. Eliminate the sag limit on Yost-Polaris line 477 ACSRx2 conductor section. All upgrades to a minimum SE of 348MVA (1679A). |
| System Need | Polaris – Yost 120kV line is projected to become overload due to P6 contingency conditions. The overload identified is the 954 ACSR conductor at both Yost & Polaris Station line entrances and 477 ACSRx2 Conductor Sag limit. Polaris – Diesel 120kV line is projected to become overload due to P6 contingency conditions. The overload identified is the 954 ACSR conductor at Polaris Station line entrance. |
| Current Cost | $1.6 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |



Unlabeled

The Yost to Polaris to Diesel lines are overloaded in the 2028 SUM model. No redispatch has been found for these overloads. The ISD for this project is in 2030 so a near term mitigation will be required and MISO/ITCT are collaboratively working towards that mitigation. No results were found in the 5-year out or 10-year out models.

**MTEP26 Thermal Violations**

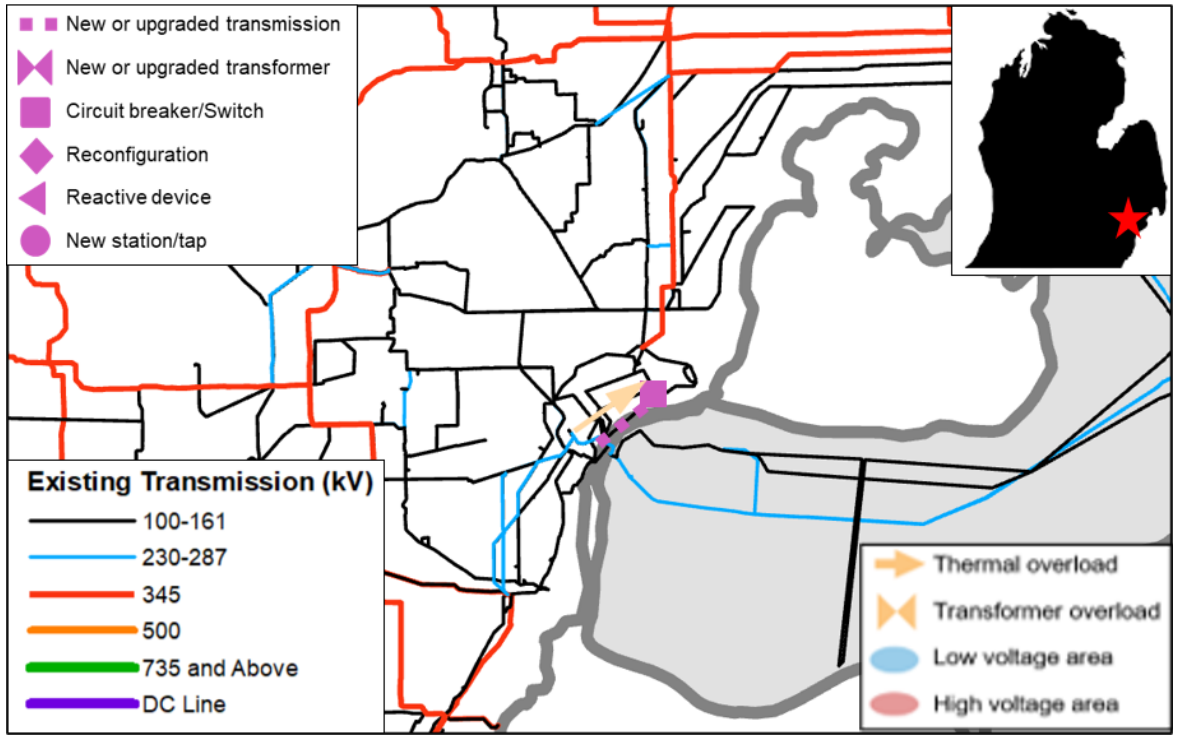
| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM__AA_EPequivalent | [ITCT] Yost—[ITCT] Polaris 120 kV line<br>[ITCT] Polaris—[ITCT] Diesel 120 kV line | 100 | - |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Install New St.Antoine - Waterman 120kV Circuit




| MTEP Project ID | 50892 |
|---|---|
| Project Name | Install New St.Antoine - Waterman 120kV Circuit |
| Project Type | BRP |
| Project Description | Construct ~5 miles of new St. Antoine - Waterman 120kV underground line utilizing 2500mm² CU cable. Expand both St. Antoine and Waterman stations. Upgrade BUS 500 CU at Alfred line terminal "HA" and section breaker "HG". |
| System Need | This is an alternative for Cato - Waterman 120kV Rebuild (MTEP#21745) and Corktown - Waterman 120 kV Rebuild (MTEP#17999). This project also mitigates Cato-Stone Pool and Corktown-St. Antoine 120kV lines overload issues. |
| Current Cost | $117.5 M |
| Expected ISD | 06/30/2031 |
| Target Appendix | A |



Unlabeled

The [ITCT] Cato – [ITCT] Waterman line is overloaded in 2028 SUM, 2031 SUM, 2031 SHHW and 2031 SHAW models. No redispatch has been found for these overloads. [ITCT] Cato – [ITCT] Stonepool line is nearly overloaded for N-1-1 contingencies in the 2031 SHAW model. The ISD for this project is in 2031 so a near term mitigation will be required and MISO/ITCT are collaboratively working towards that mitigation.

**MTEP26 Thermal Violations**

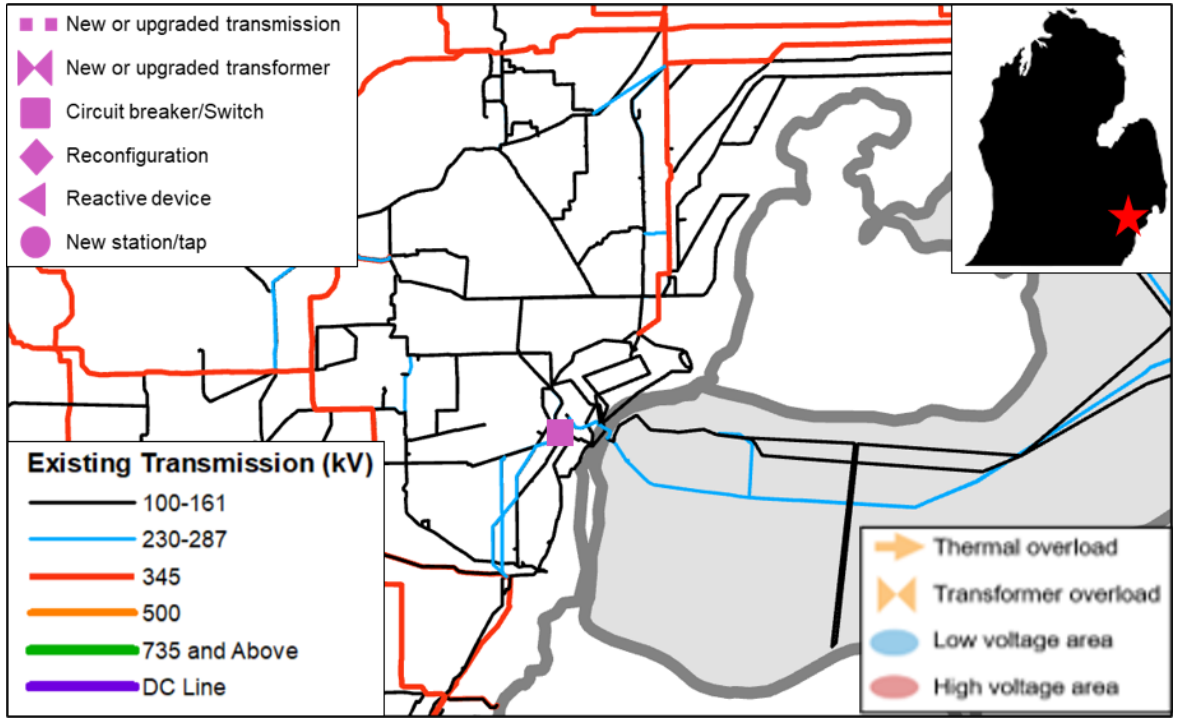
| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2031_SHAW__AA_EPequivalent | [ITCT] Cato—[ITCT] Waterman 120 kV line | 119 | - |
| N-1-1 | MISO26_2031_SHAW__AA_Epequivalent | [ITCT] Cato—[ITCT] Stonepool 120 kV line | 99 | - |
| N-1-1 | MISO26_2031_SHAW__AA_EPequivalent | [ITCT] Stant—[ITCT] Corktown 120 kV line | 92 | - |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Upgrade Navarre Station Equipment




| MTEP Project ID | 51019 |
|---|---|
| Project Name | Upgrade Navarre Station Equipment |
| Project Type | BRP |
| Project Description | Upgrade Navarre breaker "AB" CT. Upgrade NAVAR "HL" Relay Thermal. All upgrades to a minimum SE of 673MVA. |
| System Need | The Navarre Transformer 201 is projected to be overloaded due to a P6 contingency condition. The overloaded equipment identified are the station equipment at Navarre, breaker "AB" CT and breaker "HL" relay thermal. |
| Current Cost | $0.3 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |


Unlabeled

The highest loading of the [ITCT] Navarre – [ITCT] Navarre 230/120 kV transformer is 92% for N-1-1 contingencies in the 2031 SHAW model.

**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project Loading (%) | Post Project Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2031_SHAW__AA_EPequivalent | [ITCT] Navarre—[ITCT] Navarre 230/120 kV Transformer | 92 | - |

Preliminary Recommendation: Move to Appendix B



Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 15871 | Reconductor Brownstown-Monroe #1 345 kV | 12/31/2031 | $16.1 M |
| 15873 | Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation | 12/31/2030 | $9.7 M |
| **18208** | **Airport - WDHVN Tap 120 kV Sag Remediation** | **01/01/2031** | **$0.7 M** |
| 50839 | Rebuild Baxter-Warren 230kV Line | 06/01/2031 | $17.1 M |
| 50841 | Rebuild Navarre-DBGEN Tap-Waterman 230kV Line | 06/01/2031 | $31.0 M |
| 50852 | Rebuild Swan Creek - Toll Road 120kV Line | 06/01/2031 | $6.1 M |
| 50867 | Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines | 12/31/2030 | $1.6 M |
| 50892 | Install New St.Antoine - Waterman 120kV Circuit | 06/30/2031 | $117.5 M |
| 51019 | Upgrade Navarre Station Equipment | 12/31/2030 | $0.3 M |
| **51167** | **Upgrade Sag on Lark-Washtenaw Jct. 138 kV** | **12/01/2027** | **$2.8 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50730** | **Cortland 120 kV Station Expansion** | **Local Needs** | **12/31/2030** | **$42.7 M** |
| 50842 | Replace Waterman Transformer #201 | Age and Condition | 06/01/2030 | $9.2 M |
| 50844 | Replace Wayne Transformer #304 345-230kV | Age and Condition | 06/01/2030 | $16.2 M |
| 50848 | Replace Brownstown Transformer #302 345-230kV | Age and Condition | 06/01/2030 | $13.8 M |
| 50849 | Decommission Trenton Channel East Mat | Age and Condition | 12/15/2029 | $11.9 M |
| 50851 | Rebuild Toll Road - Vital 120kV Line | Age and Condition | 06/01/2032 | $26.0 M |
| 50869 | Rebuild Bloomfield - Sunbird 120 kV | Age and Condition | 06/01/2031 | $22.1 M |
| 50890 | New 120 kV Substation - Conner Load Interconnection | Load Growth | 01/01/2030 | $7.8 M |
| 51028 | ITCT Customer Interconnections - 2029 | Load Growth | 12/31/2029 | $2.5 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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51029 | ITCT Line Relocation - 2028 | Local Needs | 12/31/2028 | $2.5 M |
| 51030 | ITCT Asset Replacement Program - 2028 | Age and Condition | 12/31/2028 | $58.2 M |
| **51134** | **Project Benton** | **Load Growth** | **11/30/2027** | **$92.4 M** |
| **51220** | **Project Cannoli** | **Load Growth** | **12/31/2027** | **$308.0 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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50630 | R1041 Generator Interconnection - TOIF | 04/13/2026 | $2.0 M |



Unlabeled

# Contacts

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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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# MTEP26 Project Information – Michigan Electric Transmission Company, LLC (METC)

2nd East Subregional Planning Meeting

Tuesday, June 2, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



Unlabeled

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

- Michigan Electric Transmission Co. (METC): 26 submitted projects at an estimated cost of $302 million



Unlabeled

# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 25409 | New Port Calcite-Rockport 138 kV Station - Generator Interconnection J1914 - Network Upgrades (150 MW) | GIP | Project cost decreased from $15.1M to $13.3M |
| 50018 | New Generator Interconnection J2874 - TOIF (85 MW) | GIP | Project moved to MTEP27 |
| 50019 | New Generator Interconnection J2874 - Network Upgrades (85 MW) | GIP | Project moved to MTEP27 |
| 50022 | New 138 kV Station - Generator Interconnection J2814 - Network Upgrades (220 MW) | GIP | Project moved to MTEP27 |
| 50023 | New 138 kV Station - Generator Interconnection J2814 - TOIF (220 MW) | GIP | Project moved to MTEP27 |
| 50143 | New 138 kV Station - Generator Interconnection J2673 - Network Upgrades (237 MW) | GIP | Project moved to MTEP27 |
| 50144 | New 138 kV Station - Generator Interconnection J2673 - TOIF (237 MW) | GIP | Project moved to MTEP27 |
| 50250 | New 138 kV Station - Generator Interconnection J1939 - Network Upgrades (125 MW) | GIP | Project moved to MTEP27 |
| 50252 | New 138 kV Station - Generator Interconnection J1939 - TOIF (125 MW) | GIP | Project moved to MTEP27 |
| 50281 | New 345 kV station - Generator Interconnection J2877 - Network Upgrades (200 MW) | GIP | Project moved to MTEP27 |

Unlabeled

# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50283 | New 345 kV station - Generator Interconnection J2877 - TOIF (200 MW) | GIP | Project moved to MTEP27 |
| 50579 | Mio Dam-Twining - J2876 Generator Interconnection - Network Upgrades | GIP | Project moved to MTEP27 |
| 50580 | Mio Dam-Twining - J2876 Generator Interconnection - TOIF | GIP | Project moved to MTEP27 |
| 50589 | Tompkins 138kV - J2064 Generator Interconnection - Network Upgrades | GIP | Project moved to MTEP27 |
| 50593 | Tompkins 138kV - J2064 Generator Interconnection - TOIF | GIP | Project moved to MTEP27 |
| 50604 | Riggsville-Port Calcite - J2260 Generator Interconnection (Quade) - Network Upgrades | GIP | Project moved to MTEP27 |
| 50607 | Riggsville-Port Calcite - J2260 Generator Interconnection (Quade) - TOIF | GIP | Project moved to MTEP27 |
| 50610 | Jaguar - J1894 Generator Interconnection - Network Upgrades | GIP | Project moved to MTEP27 |
| 50611 | Jaguar - J1894 Generator Interconnection - TOIF | GIP | Project moved to MTEP27 |

Unlabeled

# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50858 | Upgrade Rockport Position 177 & 188 138 kV Equipment | BRP | Project cost decreased from $0.2M to $0.1M |
| 50888 | Upgrade Calhoun - Stable 138 kV Line | BRP | Project cost decreased from $2.8M to $1.8M |
| 50896 | Remediate Sag on Chopin - White Rd - Aphis 138 kV | BRP | Project cost decreased from $2.0M to $1.2M |
| 50898 | Remediate Sag on Delhi - Green 138 kV | BRP | Project cost decreased from $2.0M to $1.6M |
| 50899 | Remediate Sag on College - Green 138 kV | BRP | Project cost decreased from $2.0M to $0.8M |
| 51016 | Rebuild Airport - Mio Dam 138 kV line | Other–Age & Condition | Project cost increased from $71.5M to $72.7M |
| 51020 | Rebuild Croton 138 kV station | Other–Age & Condition | Project ISD updated from 12/31/2031 to 12/31/2030, Cost decreased from $25.0M to $11.4M |
| 51054 | Raise Sag on Lemoyne - Driftwood 345 kV line | BRP | Project cost decreased from $4.0M to $1.7M |
| 51183 | Upgrade Sag on Aphis-Meyer 138 kV line | BRP | Project ISD updated from 06/01/2031 to 12/31/2030, Cost decreased from $2.0M to $1.9M |

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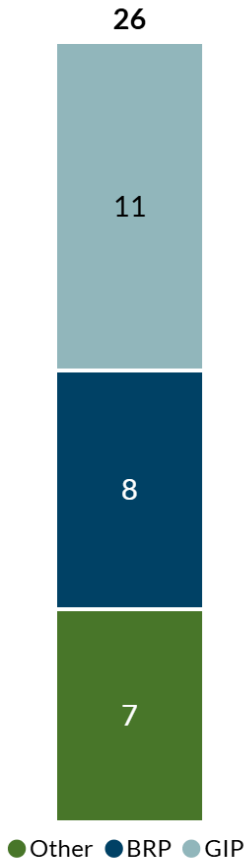
# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51184 | Upgrade Stonehill-Denso Jct. 138 kV | BRP | Project withdrawn |
| 51185 | UpgradeMud Lake-Verona #2 138 kV | BRP | Project cost increased from $9.8M to $12.3M |

Unlabeled

# METC

## MTEP26 Projects

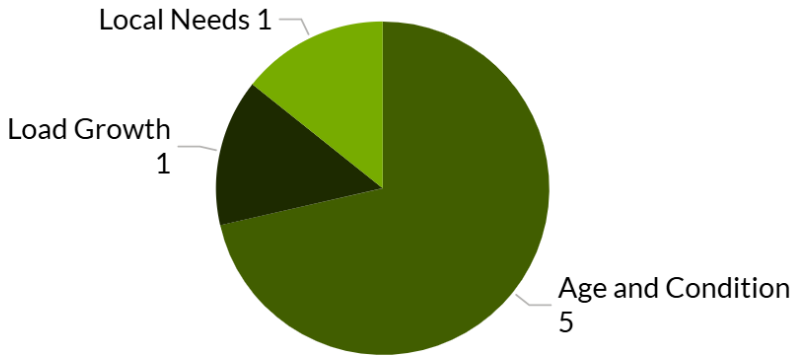



**26**
Total Projects

**$302M**
Investment

## Breakdown of Other Project Types

By Project Count

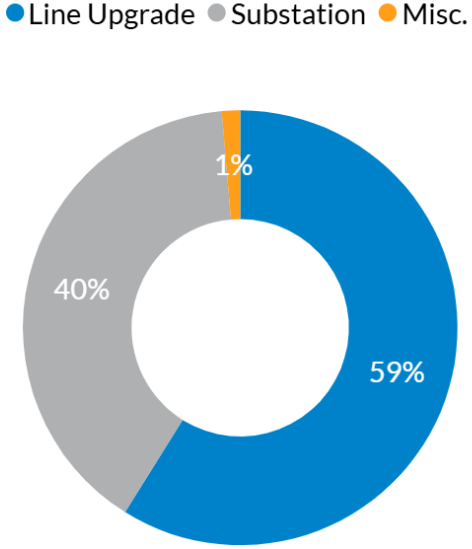



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

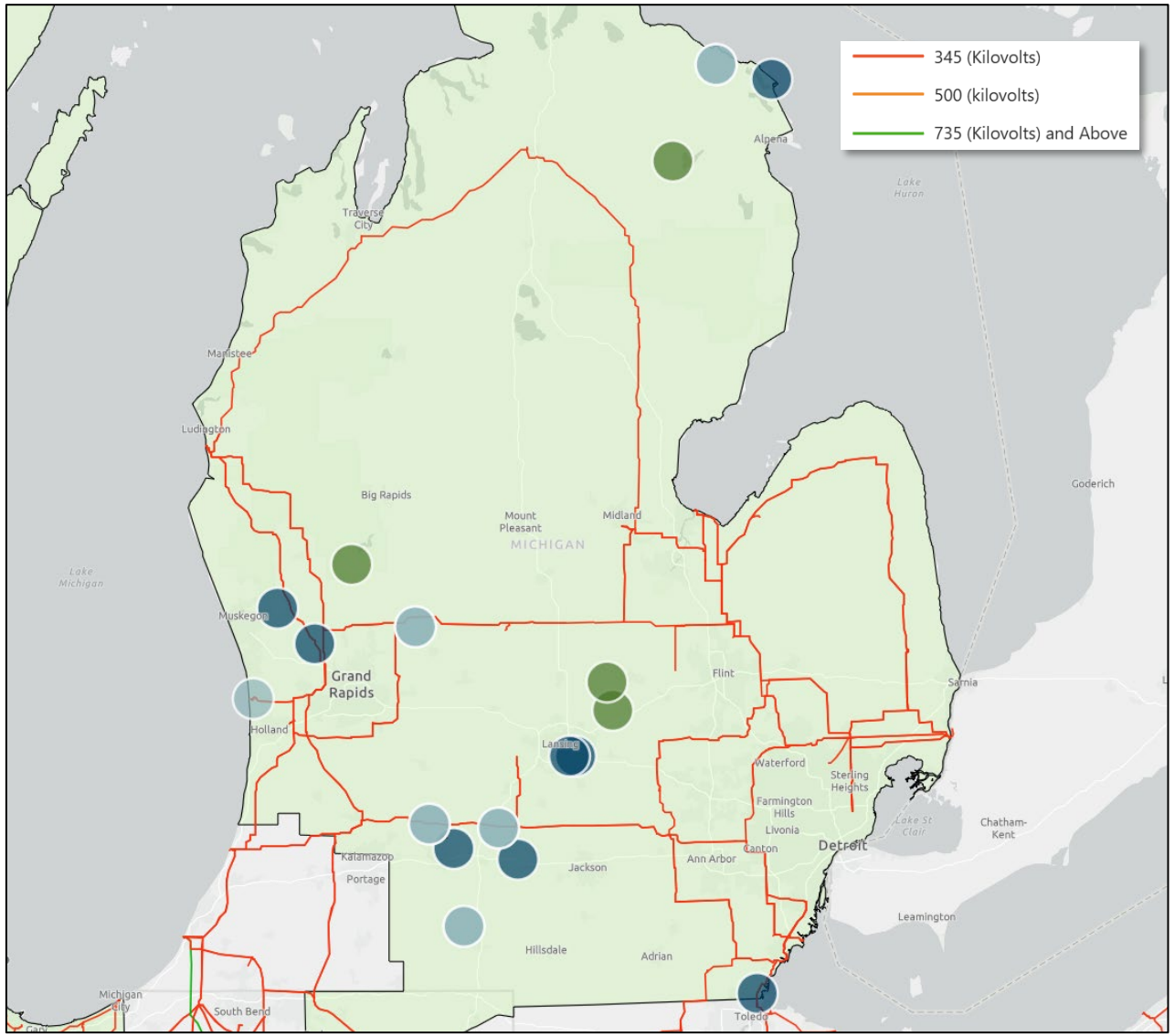
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# METC MTEP26 Project Type Breakdown

## METC

### MTEP26 Summary

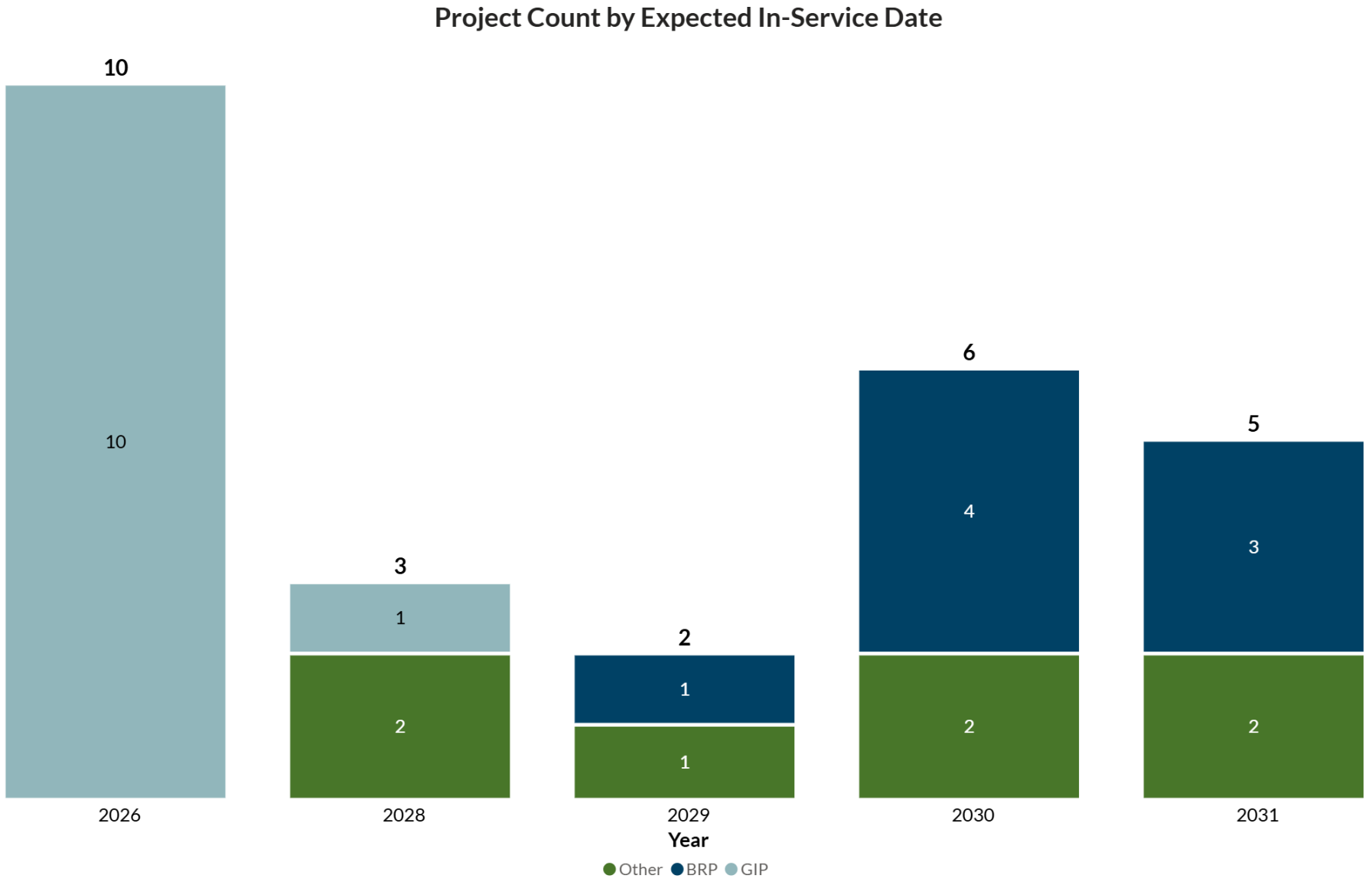
| | |
|---|---|
| GIP | 11 |
| BRP | 8 |
| Other | 7 |




Project information as of 5/15/26.

Unlabeled

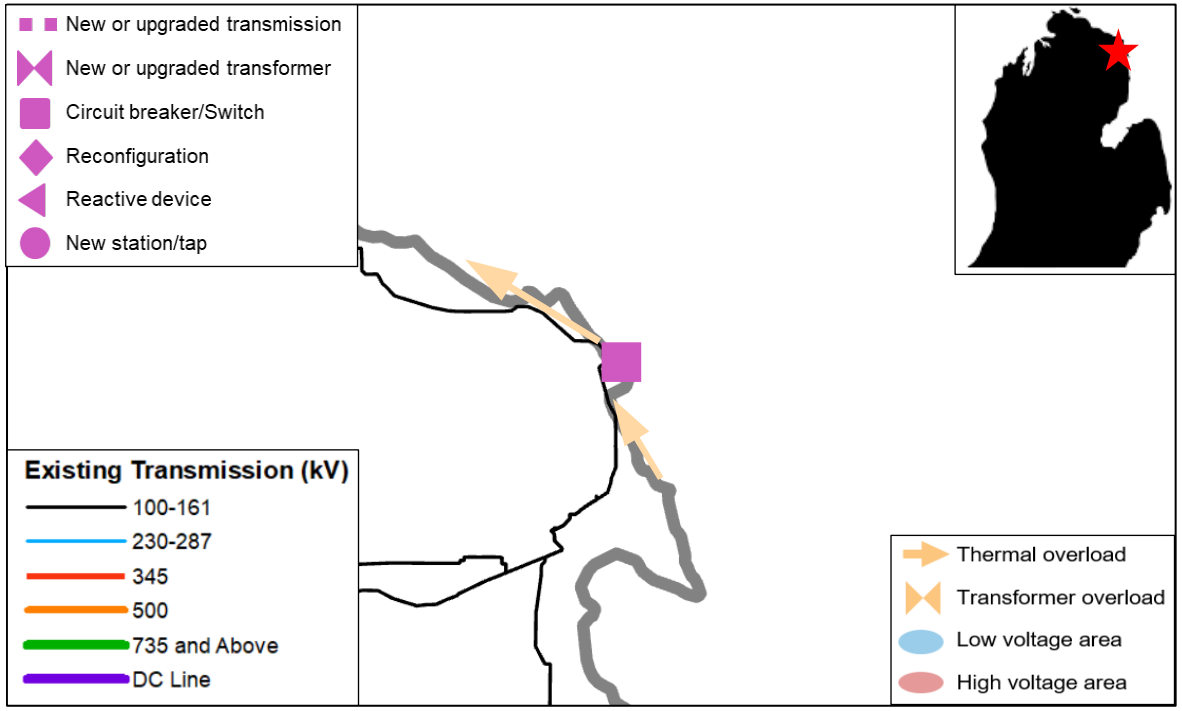
# METC MTEP26 ISD Breakdown




Project information as of 5/15/26.

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Rockport Position 177 & 188 138 kV Equipment




| MTEP Project ID | 50858 |
|---|---|
| Project Name | Upgrade Rockport Position 177 & 188 138 kV Equipment |
| Project Type | BRP |
| Project Description | Replace station equipment at Rockport positions 177 & 188 with equipment rated at least 175 MVA. |
| System Need | The Long Rapids - Rockport and Port Calcite - Rockport 138 kV circuits are projected to be overloaded on off-peak conditions for N-1 contingency conditions. The overloaded equipment identified on these circuits are the station equipment at Rockport, after other overhead line rebuild projects are taken into account. |
| Current Cost | $0.1 M |
| Expected ISD | 03/01/2029 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Rockport Position 177 & 188 138 kV Equipment

[METC] Long Rapids – [METC] Rockport and [METC] Rockport – [METC] Grand Lake 138 kV lines did not appear in the AA runs, a manual review of the previously seen worst N-1 contingencies also did not show overloads in the 2031 SHAW models.

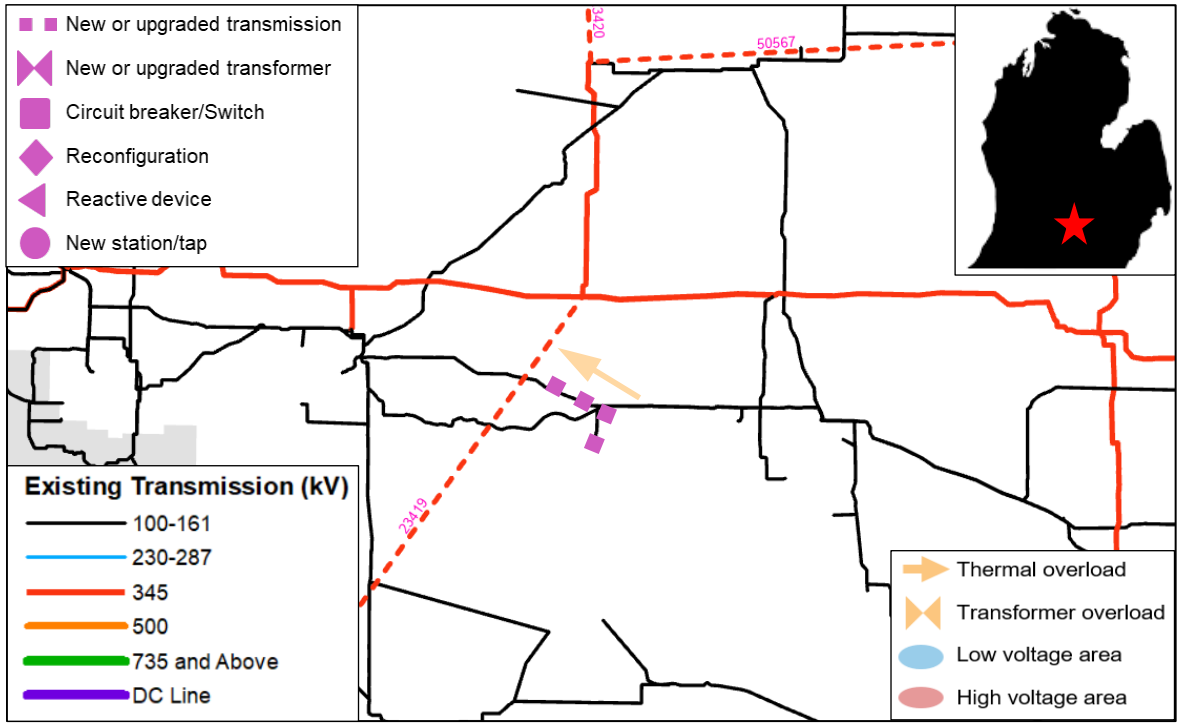
**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | 2031_P85_I1600_L65_W27_G6 | [METC] Long Rapids – [METC] Rockport 138 kV line | 15 | - |
| | | [METC] Rockport – [METC] Grand Lake 138 kV line | 13 | - |

Preliminary Recommendation: Move to Appendix B

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Calhoun - Stable 138 kV line




| MTEP Project ID | 50888 |
|---|---|
| Project Name | Upgrade Calhoun - Stable 138 kV line |
| Project Type | BRP |
| Project Description | Upgrade ~2 miles of 336 ACSR 26/7 from Stable to structure 074B1350 with a minimum summer emergency of 234 MVA (979 A). |
| System Need | Calhoun - Stable 138 kV line is projected to become overload due to P6 contingency in METC 2025 internal assessment. |
| Current Cost | $1.8 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Calhoun - Stable 138 kV line

[METC] Calhoun – [METC] Stable 138 kV line did not appear in the AA runs, a manual review of the previously seen worst N-1-1 contingencies also did not show overloads in the 2028 SUM and 2031 SUM models.

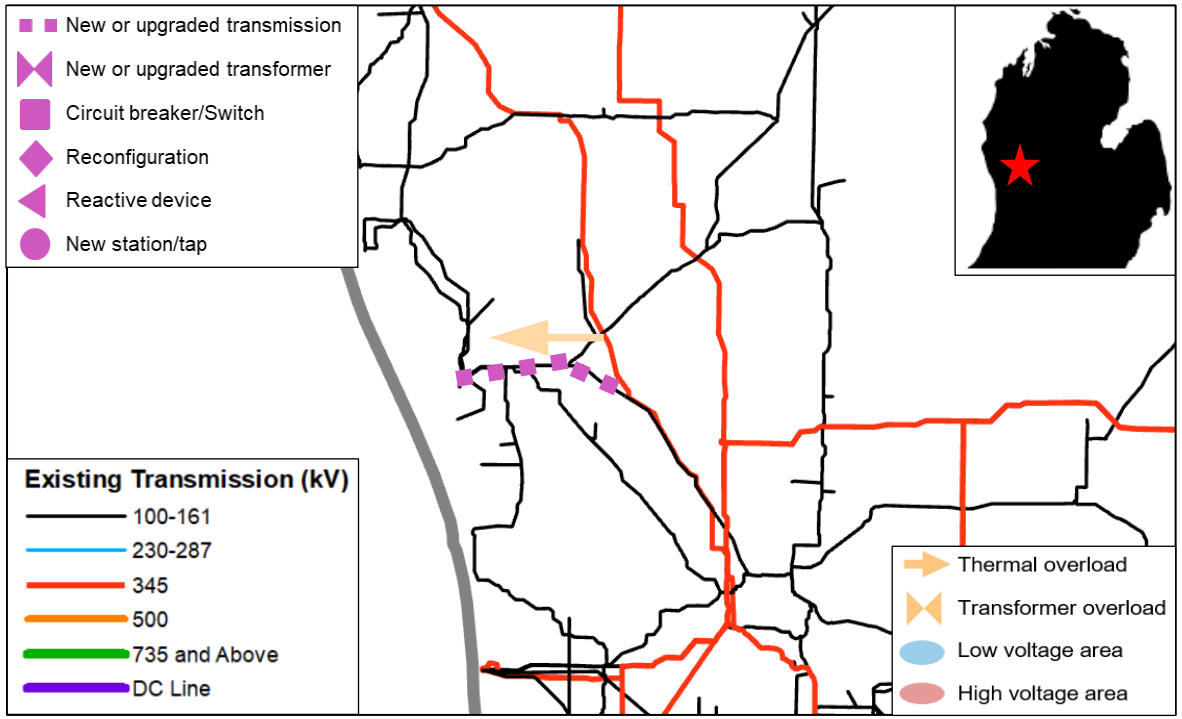
**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM___AA_EPequivalent | [METC] Calhoun – [METC] Stable 138 kV line | 78 | - |
| N-1-1 | 2031_SP_M100_U5_W18_G6 | [METC] Calhoun – [METC] Stable 138 kV line | 69 | - |

Preliminary Recommendation: Move to Appendix B

Unlabeled

# Baseline Reliability Project
# Details for Remediate Sag on Chopin - White Rd - Aphis 138 kV




| MTEP Project ID | 50896 |
|---|---|
| Project Name | Remediate Sag on Chopin - White Rd - Aphis 138 kV |
| Project Type | BRP |
| Project Description | Eliminate sag on the Chopin-White Rd-Aphis (previously Cobb-White Rd-Aphis) 138 kV section to conductor limit of 291 MVA (summer emergency rating). |
| System Need | The Aphis - White Road and White Road - Chopin 138 kV lines are projected to overload in 2030 and 2035 cases in METC's 2025 assessment for P6 and P71 contingencies. MISO MTEP25 - D6 study also projected these 138 kV sections to be overloaded. |
| Current Cost | $1.2 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Remediate Sag on Chopin - White Rd - Aphis 138 kV

[METC] Aphis – [METC] White Road and [METC] White Road – [METC] Chopin 138 kV lines did not appear in the AA runs, a manual review of the previously seen worst N-1 and N-1-1 contingencies also did not show overloads in the 2031 SUM and 2036 SUM models.

**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | 2031_SP_M100_U5_W18_G6 | [METC] White Rd – [METC] Aphis 138 kV line | 75 | - |
| | | [METC] White Rd – [METC] Chopin 138 kV line | 64 | - |
| N-1 | MISO26_2036_SUM___AA_EPequivalent | [METC] White Rd – [METC] Aphis 138 kV line | 81 | - |
| | | [METC] White Rd – [METC] Chopin 138 kV line | 69 | - |
| N-1-1 | 2031_SP_M100_U5_W18_G6 | [METC] White Rd – [METC] Aphis 138 kV line | 84 | - |
| | | [METC] White Rd – [METC] Chopin 138 kV line | 72 | - |
| N-1-1 | MISO26_2036_SUM___AA_EPequivalent | [METC] White Rd – [METC] Aphis 138 kV line | 89 | - |
| | | [METC] White Rd – [METC] Chopin 138 kV line | 76 | - |

Unlabeled

# Baseline Reliability Project
# Details for Remediate Sag on Chopin - White Rd - Aphis 138 kV

This project is also driven by the MTEP25 Generator Deliverability (D6) study.

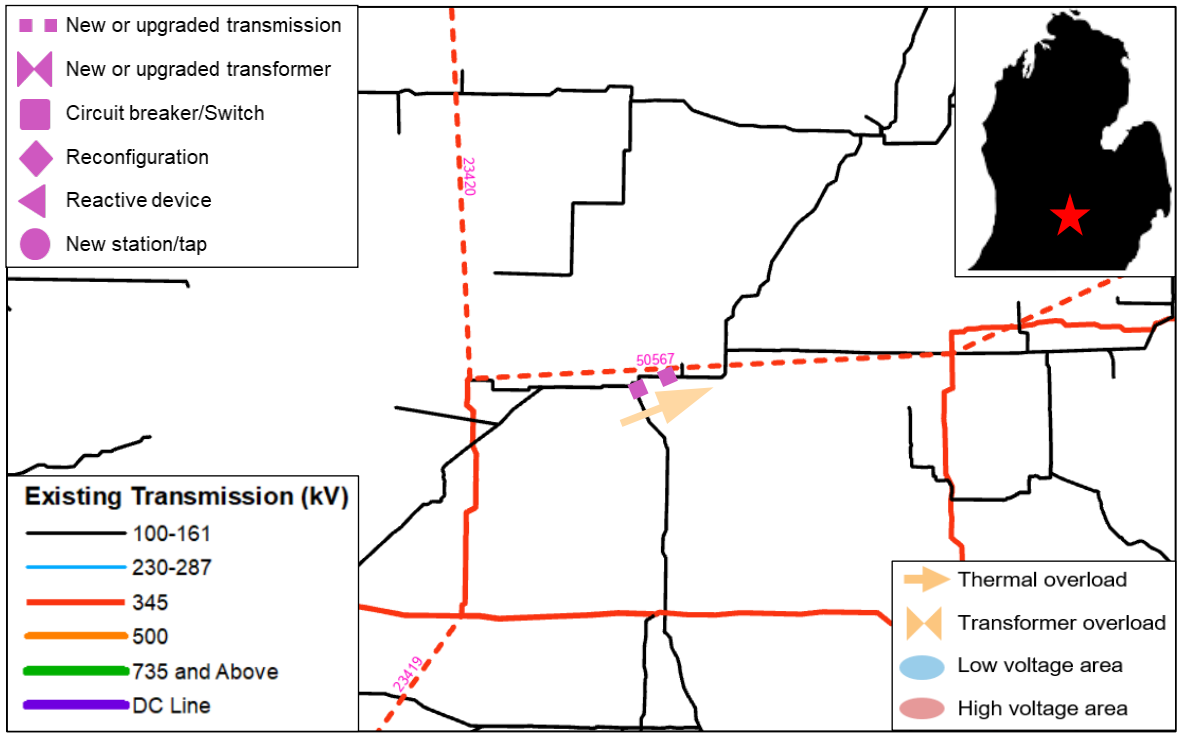
**MTEP25 D6 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [METC] White Rd – [METC] Chopin 138 kV line | 113 | - |
| N-1 | [METC] Aphis – [METC] White Rd 138 kV line | 113 | - |

Preliminary Recommendation: Move to Appendix A

Unlabeled

# Baseline Reliability Project
# Details for Remediate Sag on Delhi - Green 138 kV




| MTEP Project ID | 50898 |
|---|---|
| Project Name | Remediate Sag on Delhi - Green 138 kV |
| Project Type | BRP |
| Project Description | Remediate the sag on the Delhi - Green 138 kV circuit to meet 336 ACSR X2 conductor limit of 325 MVA for summer emergency. |
| System Need | Delhi - Green 138 kV circuit is projected to overload in 2030 cases for P6 and P71 contingencies. The overload as identified in METC's 2025 assessment. |
| Current Cost | $1.6 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Remediate Sag on Delhi - Green 138 kV

[METC] Delhi – [METC] Green 138 kV line did not appear in the AA runs, a manual review of the previously seen worst N-1 and N-1-1 contingencies also did not show overloads in the 2031 SUM models.

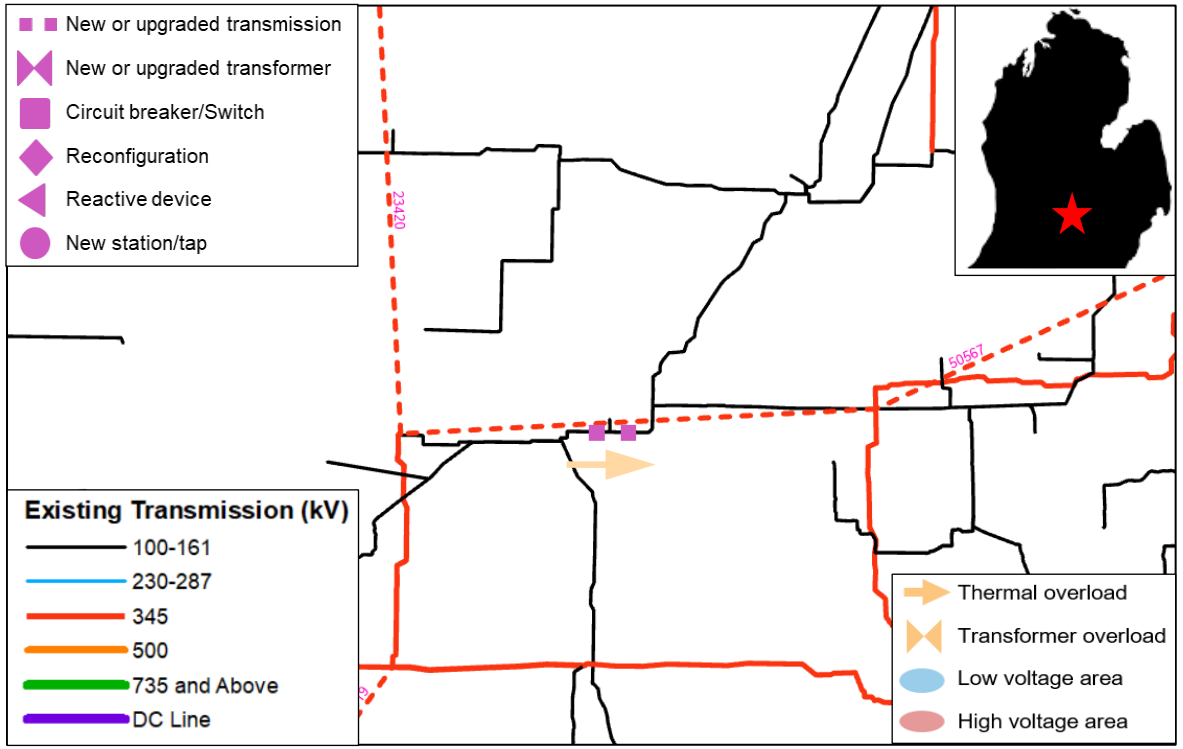
**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | 2031_SP_M100_U5_W18_G6 | [METC] Delhi – [METC] Green 138 kV line | 90 | - |
| N-1-1 | 2031_SP_M100_U5_W18_G6 | [METC] Delhi – [METC] Green 138 kV line | 87 | - |

Preliminary Recommendation: Move to Appendix B

Unlabeled

# Baseline Reliability Project
# Details for Remediate Sag on College - Green 138 kV




| MTEP Project ID | 50899 |
|---|---|
| Project Name | Remediate Sag on College - Green 138 kV |
| Project Type | BRP |
| Project Description | Remediate the sag on the College - Green 138 kV circuit to meet 336 ACSR X2 conductor limit of 325 MVA for summer emergency. |
| System Need | College - Green 138 kV circuit is projected to overload in 2030 for P6 contingencies. The overload is identified in METC's 2025 assessment. |
| Current Cost | $0.8 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Remediate Sag on College - Green 138 kV

[METC] Collage – [METC] Green 138 kV line did not appear in the AA runs, a manual review of the previously seen worst N-1 and N-1-1 contingencies also did not show overloads in the 2031 SUM models.

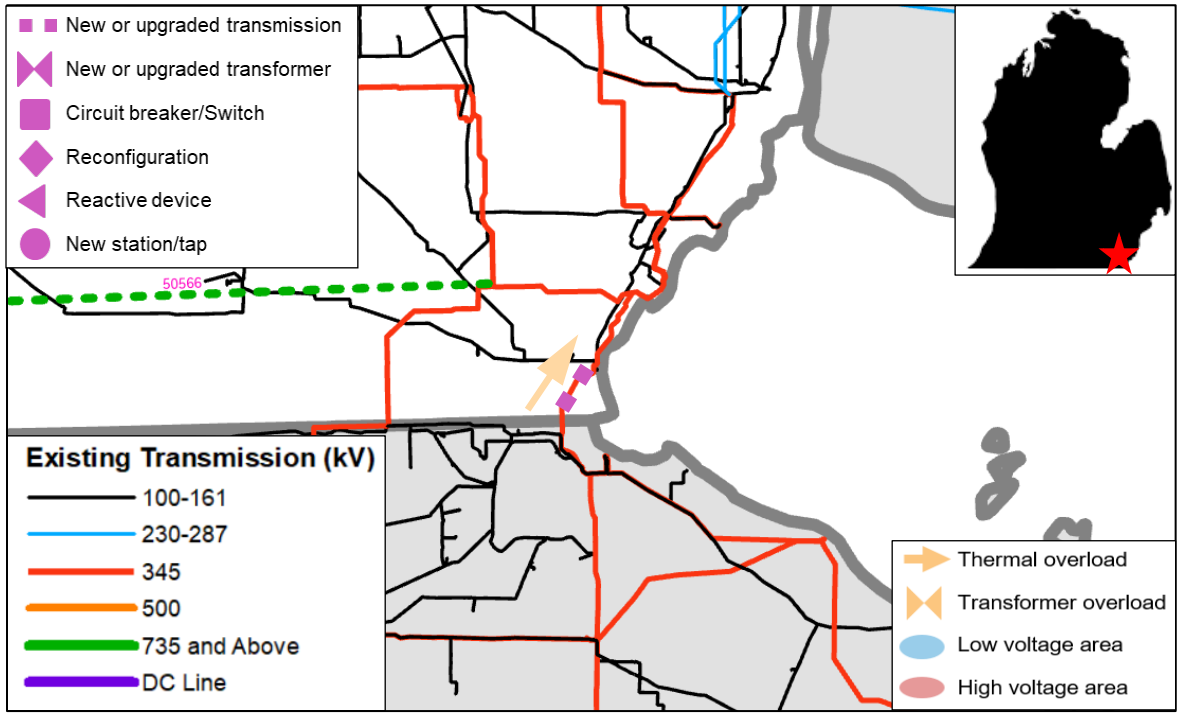
**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | 2031_SP_M100_U5_W18_G6 | [METC] Collage – [METC] Green 138 kV line | 80 | - |
| N-1-1 | 2031_SP_M100_U5_W18_G6 | [METC] Collage – [METC] Green 138 kV line | 77 | - |

Preliminary Recommendation: Move to Appendix B

Unlabeled

# Baseline Reliability Project
# Details for Raise Sag on Lemoyne - Driftwood 345 kV line




| MTEP Project ID | 51054 |
|---|---|
| Project Name | Raise Sag on Lemoyne - Driftwood 345 kV line |
| Project Type | BRP |
| Project Description | Raise the sag on the Lemoyne - Driftwood 345 kV (formerly Lemoyne – Majestic 345kV) circuit. All upgrades to a minimum summer emergency of 1502 MVA. |
| System Need | The Lemoyne-Driftwood 345kV is projected to overload in both MISO's MTEP25 D3 study and ITC 2025 internal assessment. |
| Current Cost | $1.7 M |
| Expected ISD | 12/31/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Raise Sag on Lemoyne - Driftwood 345 kV line

[FE] Lemoyne – [ITCT] Driftwood 345 kV line becomes overloaded to one hundred-two (102%) percent in year 2036 for a NERC defined category N-1 contingency event. It becomes overloaded to one hundred fifty-eight (158%) percent in year 2036 for NERC defined category N-1-1 contingency events. Upgrading [FE] Lemoyne – [METC] Driftwood #1 345 kV line will increase the summer emergency rating of the line from 820 MVA to 1502 MVA.

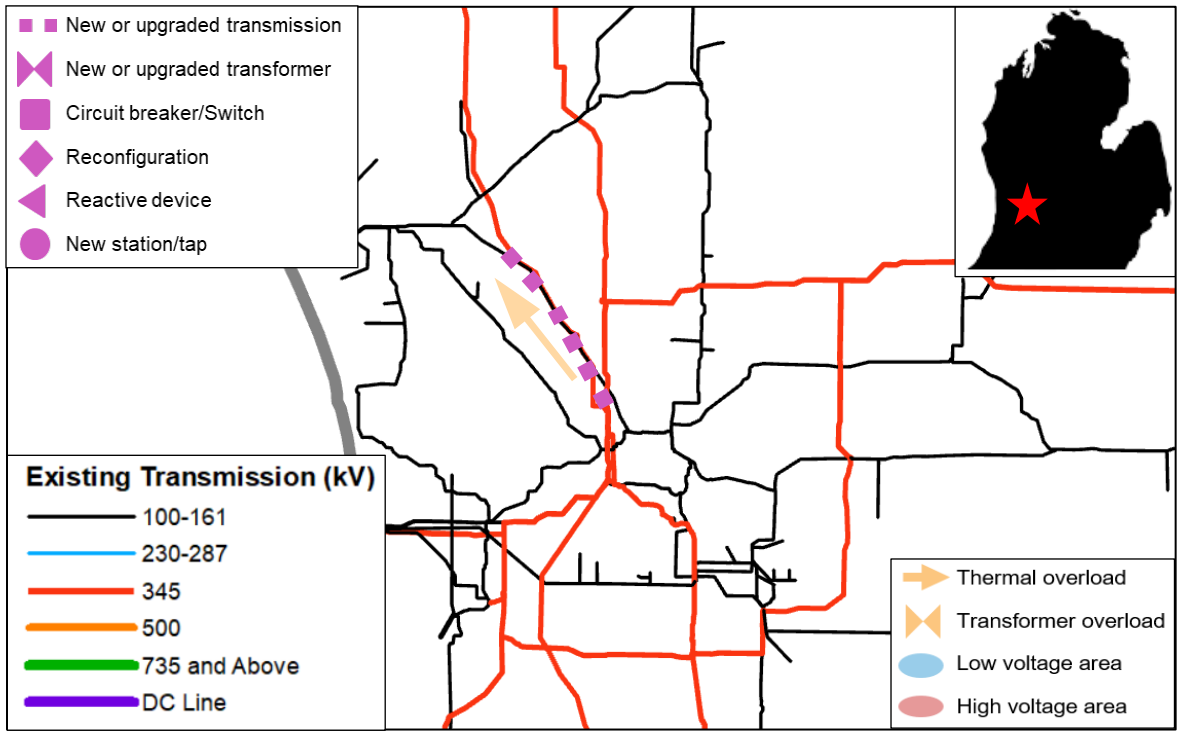
**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | MISO26_2036_SUM__AA_EPequivalent | [FE] Lemoyne – [ITCT] Driftwood 345kV line | 102 | - |
| N-1-1 | MISO26_2036_SUM__AA_EPequivalent | [FE] Lemoyne – [ITCT] Driftwood 345kV line | 158 | - |

Preliminary Recommendation: Move to Appendix A

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Sag on Aphis-Meyer 138 kV line




| MTEP Project ID | 51183 |
|---|---|
| Project Name | Upgrade Sag on Aphis-Meyer 138 kV line |
| Project Type | BRP |
| Project Description | Upgrade the sag on Aphis - Meyer 138 kV line. All upgrades to a minimum SE 291MVA. |
| System Need | The Aphis - Meyer 138 kV line was projected to overload in MISO's MTEP25 generator deliverability study. |
| Current Cost | $1.9 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Sag on Aphis-Meyer 138 kV line

This project is driven by the MTEP25 Generator Deliverability (D6) study.

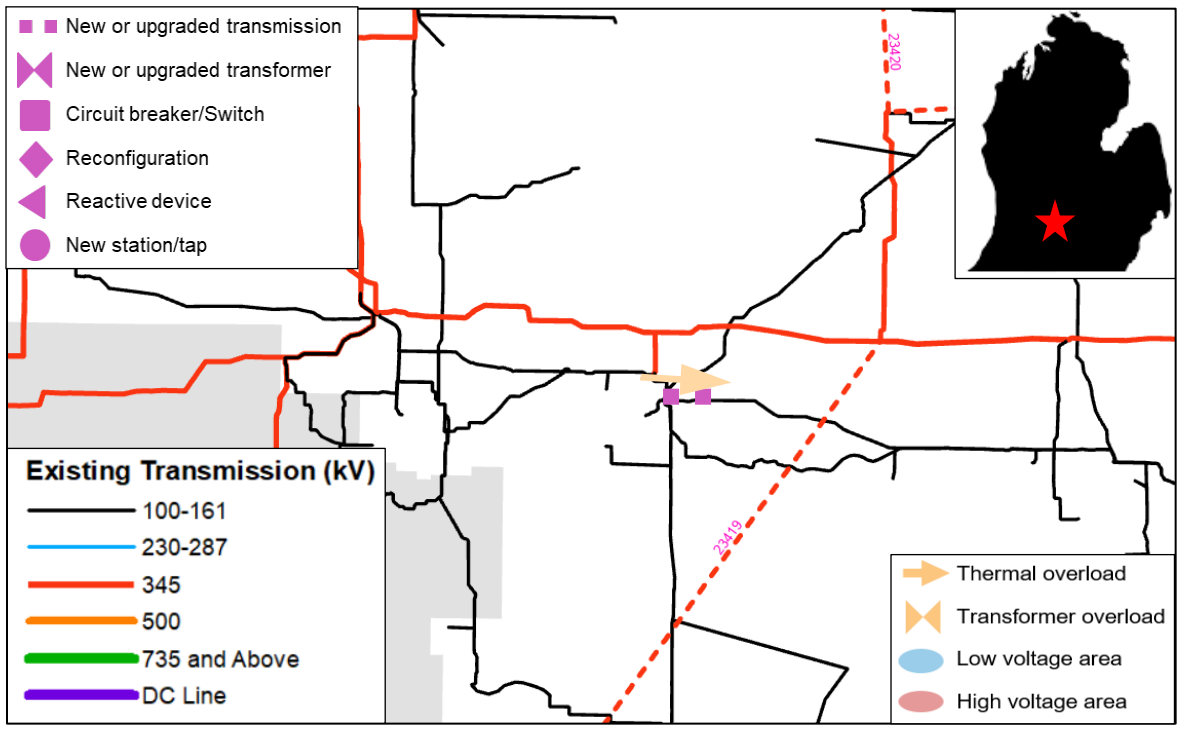
**MTEP25 D6 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [METC] Aphis – [METC] Meyer 138 kV line | 113 | - |

Preliminary Recommendation: Move to Appendix A

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Mud Lake - Verona #2 138 kV




| MTEP Project ID | 51185 |
|---|---|
| Project Name | Upgrade Mud Lake - Verona #2 138 kV |
| Project Type | BRP |
| Project Description | METC is to upgrade Mud Lake - Verona #2 138 kV. Rebuild to 1431 ACSR conductor from structure 52544 to Verona using double circuit structures. Reconductor to 1431 ACSR (if possible) or 954 ACSS from Mud Lake to structure 52544. Upgrade station equipment at Verona. Upgrade line drop 388. The line is approximately 5.58 miles. OPGW will be installed as needed. All line switches will be 2000A or greater, if replaced. |
| System Need | The Mud Lake - Verona #2 138 kV line was projected to overload in MISO's MTEP25 generator deliverability study. |
| Current Cost | $12.3 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Mud Lake - Verona #2 138 kV

This project is driven by the MTEP25 Generator Deliverability (D6) study.

**MTEP25 D6 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [METC] Mud Lake – [METC] Verona 2 138 kV line | 109 | - |

Preliminary Recommendation: Move to Appendix A

Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50858 | Upgrade Rockport Position 177 & 188 138 kV Equipment | 03/01/2029 | $0.1 M |
| 50888 | Upgrade Calhoun - Stable 138 kV line | 06/01/2031 | $1.8 M |
| 50896 | Remediate Sag on Chopin - White Rd - Aphis 138 kV | 12/31/2030 | $1.2 M |
| 50898 | Remediate Sag on Delhi - Green 138 kV | 12/31/2030 | $1.6 M |
| 50899 | Remediate Sag on College - Green 138 kV | 12/31/2030 | $0.8 M |
| 51054 | Raise Sag on Lemoyne - Driftwood 345 kV line | 12/31/2031 | $1.7 M |
| 51183 | Upgrade Sag on Aphis-Meyer 138 kV line | 12/31/2030 | $1.9 M |
| 51185 | Upgrade Mud Lake - Verona #2 138 kV | 06/01/2031 | $12.3 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 20015 | Rebuild Bingham - Cornell 138 kV | Age and Condition | 06/01/2031 | $32.2 M |
| 51016 | Rebuild Airport - Mio Dam 138 kV line | Age and Condition | 12/31/2030 | $72.7 M |
| 51017 | Rebuild Cornell - Tihart 138 kV line | Age and Condition | 12/31/2031 | $38.4 M |
| 51020 | Rebuild Croton 138 kV station | Age and Condition | 12/31/2030 | $11.4 M |
| 51024 | METC Customer Interconnections - 2029 | Load Growth | 12/31/2029 | $2.5 M |
| 51025 | METC Line Relocation - 2028 | Local Needs | 12/31/2028 | $2.5 M |
| 51026 | METC Asset Replacement Program - 2028 | Age and Condition | 12/31/2028 | $58.6 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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 25409 | New Port Calcite-Rockport 138 kV Station - Generator Interconnection J1914 - Network Upgrades (150 MW) | 10/30/2026 | $13.3 M |
| 25426 | New Newton 138 kV Substation - Generation Interconnection J1916 - Network Upgrade (100 MW) | 03/02/2026 | $5.1 M |
| 25451 | New Newton 138 kV Substation - Generator Interconnection J1916 - TOIF (100 MW) | 03/02/2026 | $0.3 M |
| 25476 | New Nelson Road-Kenowa 345 kV station - Generator Interconnection J1918 - TOIF (132 MW) | 01/09/2026 | $1.1 M |
| 25477 | New Port Calcite-Rockport Station - Generator Interconnection J1914 - TOIF (150 MW) | 03/02/2026 | $0.3 M |
| 25488 | New Nelson Road-Kenowa 345 kV station - Generator Interconnection J1918 - Network Upgrades (132 MW) | 01/09/2026 | $15.9 M |
| 50015 | New 138 kV Station - Generator Interconnection J2815 - Network Upgrades (140 MW) | 02/02/2026 | $8.7 M |
| 50016 | New 138 kV Station - Generator Interconnection J2815 - TOIF (140 MW) | 02/02/2026 | $0.4 M |
| 50595 | Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - TOIF | 01/30/2026 | $0.9 M |

# Generator Interconnection Projects (GIPs) cont.

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50596 | Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - Network Upgrades | 01/30/2026 | $15.8 M |
| 50729 | R1040 Generator Replacement - TOIF | 03/31/2028 | $0.1 M |

Unlabeled

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sgoodwin@misoenergy.org

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# Questions?



MISO

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

**Learn more and follow MISO at:**

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# MTEP26 Project Information - Wolverine Power Supply Cooperative, Inc. (WPSC)

2nd East Subregional Planning Meeting

Tuesday, June 2, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



Unlabeled

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

- Wolverine Power Supply Cooperative, Inc (WPSC): 11 submitted projects at an estimated cost of $77 million



Unlabeled

# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50912 | Relocate Petoskey substation | Other- Local Needs | Cost decreased from $2.3M to $2.0M |



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# WOLVERINE POWER SUPPLY COOPERATIVE, INC

MTEP26 Projects

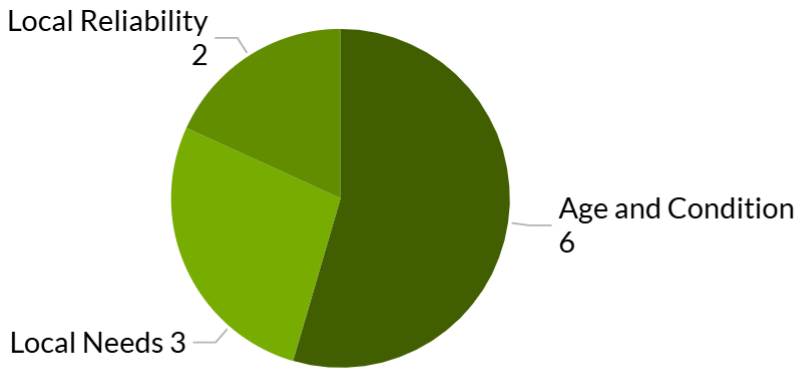



**11**
Total Projects

**$77M**
Investment

## Breakdown of Other Project Types

By Project Count

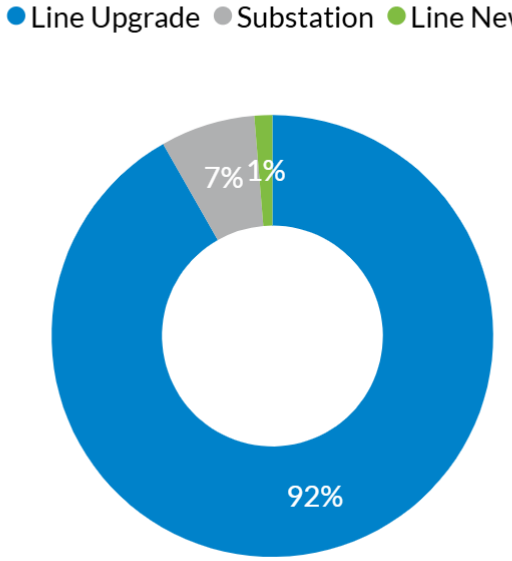



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



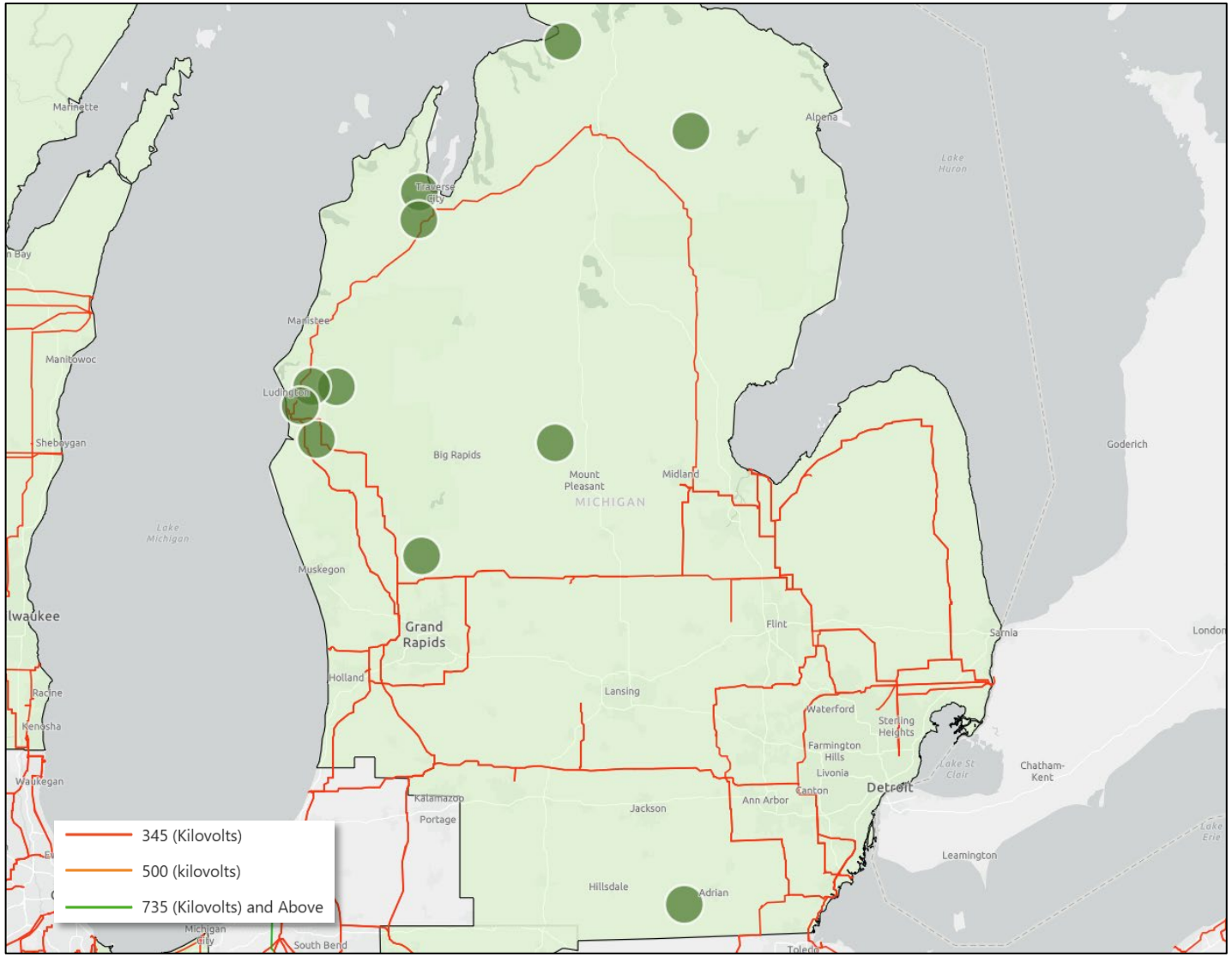
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# WPSC MTEP26 Project Type Breakdown

## WOLVERINE POWER SUPPLY COOPERATIVE, INC

MTEP26 Summary

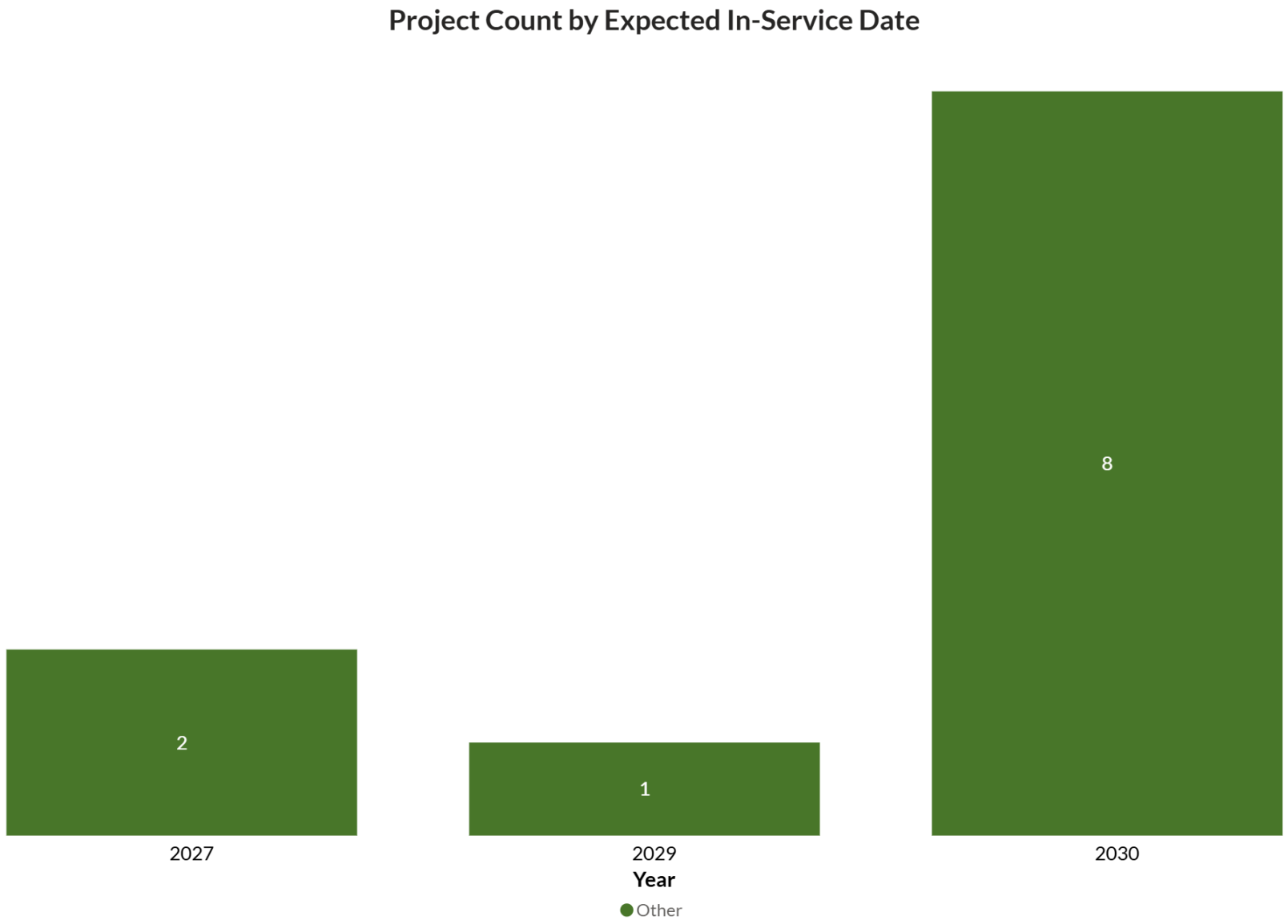
| | |
|---|---|
| GIP | [illegible] |
| BRP | |
| Other | 11 |




Project information as of 5/15/26.

Unlabeled

# WPSC MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 25192 | New Dover 138 kV substation | Local Reliability | 12/31/2029 | $1.3 M |
| 50909 | Relocate Garfield substation | Local Needs | 07/01/2027 | $2.0 M |
| 50912 | Relocate Petoskey substation | Local Needs | 07/01/2027 | $2.0 M |
| 50914 | Rebuild Cedar Springs to Pierson Junction 69 kV line to 138 kV capability | Local Reliability | 12/31/2030 | $22.2 M |
| 50915 | Rebuild Grawn - Lake Ann 69 kV line to 138 kV capability | Age and Condition | 12/31/2030 | $13.0 M |
| 50916 | Rebuild Fountain Tap 69 kV Radial to 138 kV capability | Age and Condition | 12/31/2030 | $6.0 M |
| 50917 | Rebuild Weare - Crystal Valley Junction 69 kV line to 138 kV capability | Age and Condition | 12/31/2030 | $5.0 M |
| 50918 | Rebuild Riverton Tap 69 kV Radial to 138 kV capability | Age and Condition | 12/31/2030 | $7.0 M |
| 50919 | Rebuild Victory - Victory Junction 69 kV line to 138 kV capability | Age and Condition | 12/31/2030 | $5.0 M |
| 50920 | Rebuild Stevenson Tap 69 kV Radial to 138 kV capability | Age and Condition | 12/31/2030 | $12.0 M |
| 50921 | Reconfigure Atlanta substation | Local Needs | 12/31/2030 | $1.0 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.

Unlabeled

# Contacts

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# Questions?



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# MTEP26 Reliability Planning Scope Overview

2nd South Subregional Planning Meeting (SSPM2)

Wednesday, June 3, 2026

# Purpose & Key Takeaway



## Purpose

To show results of MISO's independent assessments and how needs align with MTEP26 projects

## Key Takeaways

- Of those, 98 are proposed in the South region

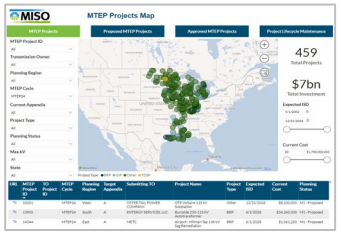
MTEP Portal was used to gather information and develop SPM materials. All data was pulled on May 15, 2026



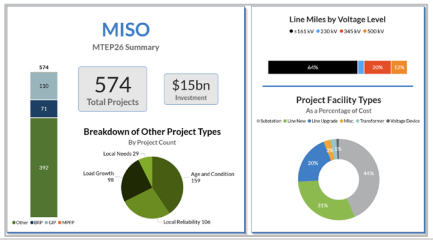
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# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

MTEP Report

**Local Reliability Journey Begins Here**

**We are here (SPM2)**

**TO/MP Submit Project Proposals**
***Sept. 15th***

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

| 2025 | | | | | | | | | | | | 2026 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

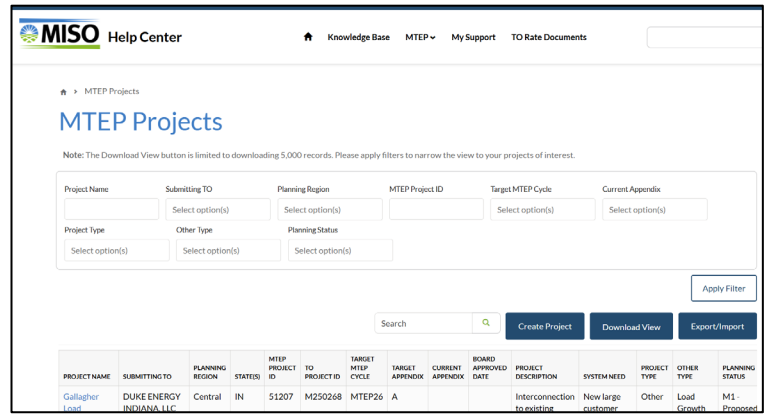
**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

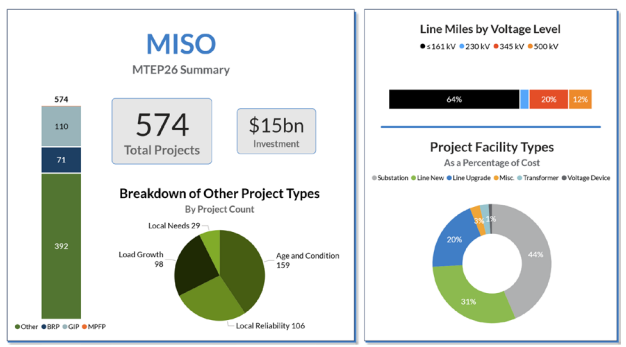
**Present Day**



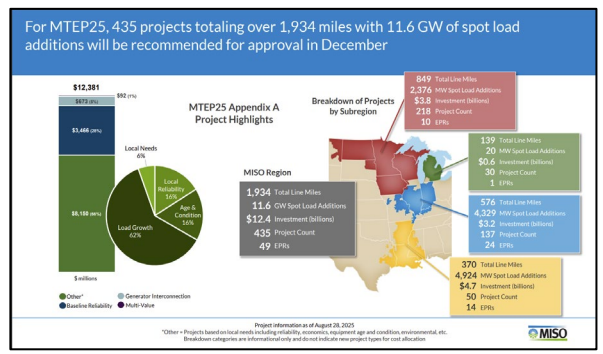
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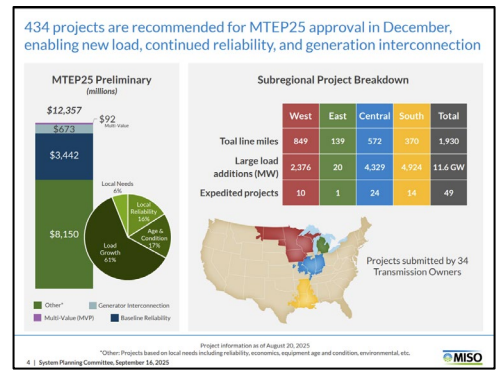

## Subregional Planning Meeting (SPM)



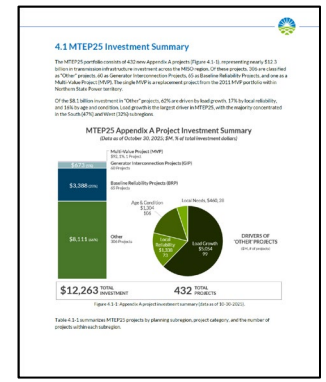

## Planning Advisory Committee (PAC)




## System Planning Committee (SPC)

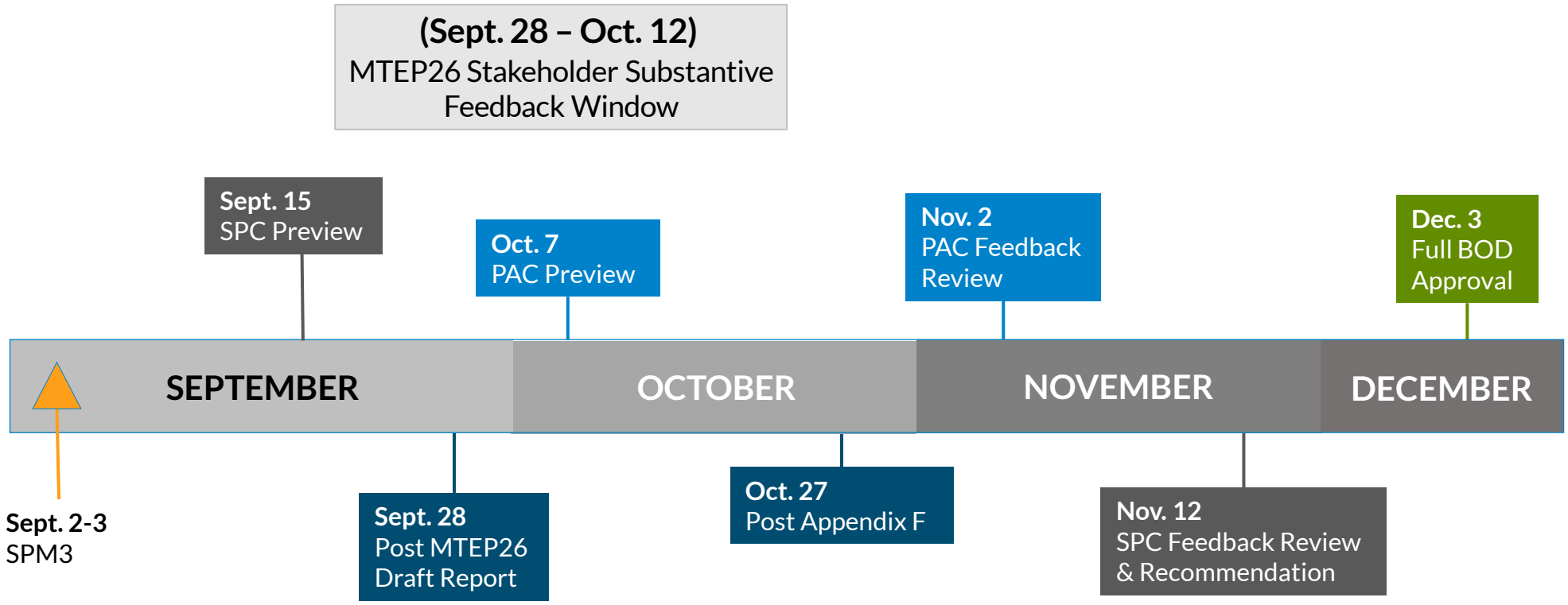



## Official MTEP Report






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## NOTICE

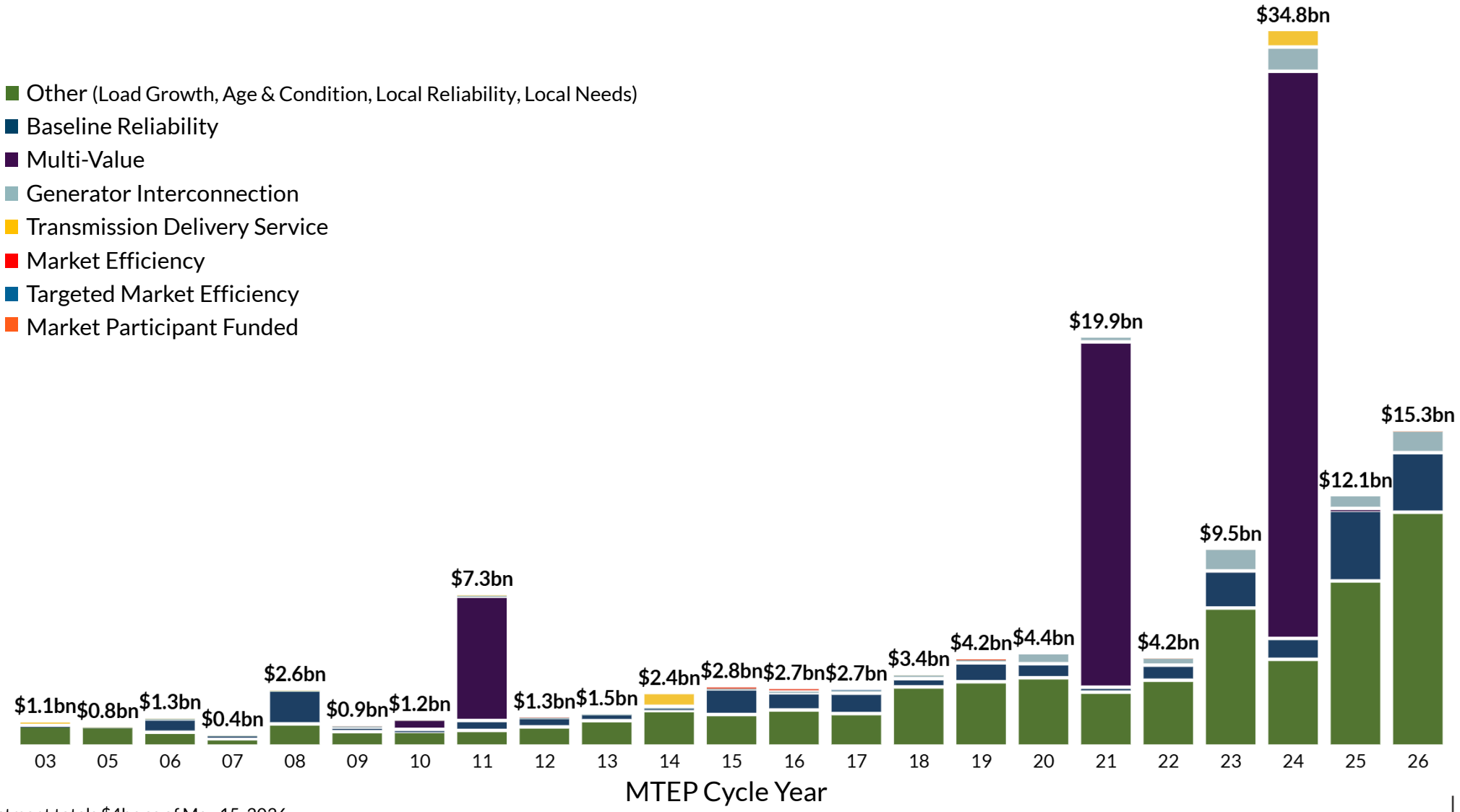
**August 19, 2026 (COB)**
***Deadline** to Update Project Information in the MTEP Portal in order to be presented at SPM3 AND included in MTEP26 Report*

- Planning Advisory Committee
- MTEP Report Public Posting
- System Planning Committee
- Board Final
- Stakeholder Deadlines
- Subregional Planning Meetings (SPM)

Dates as of 5/15/2026



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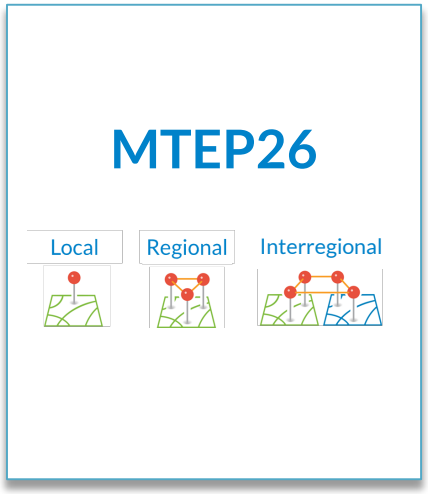



MTEP26 EPR investment totals $4bn as of May 15, 2026.
We anticipate EPR investment to continue throughout the MTEP cycle.

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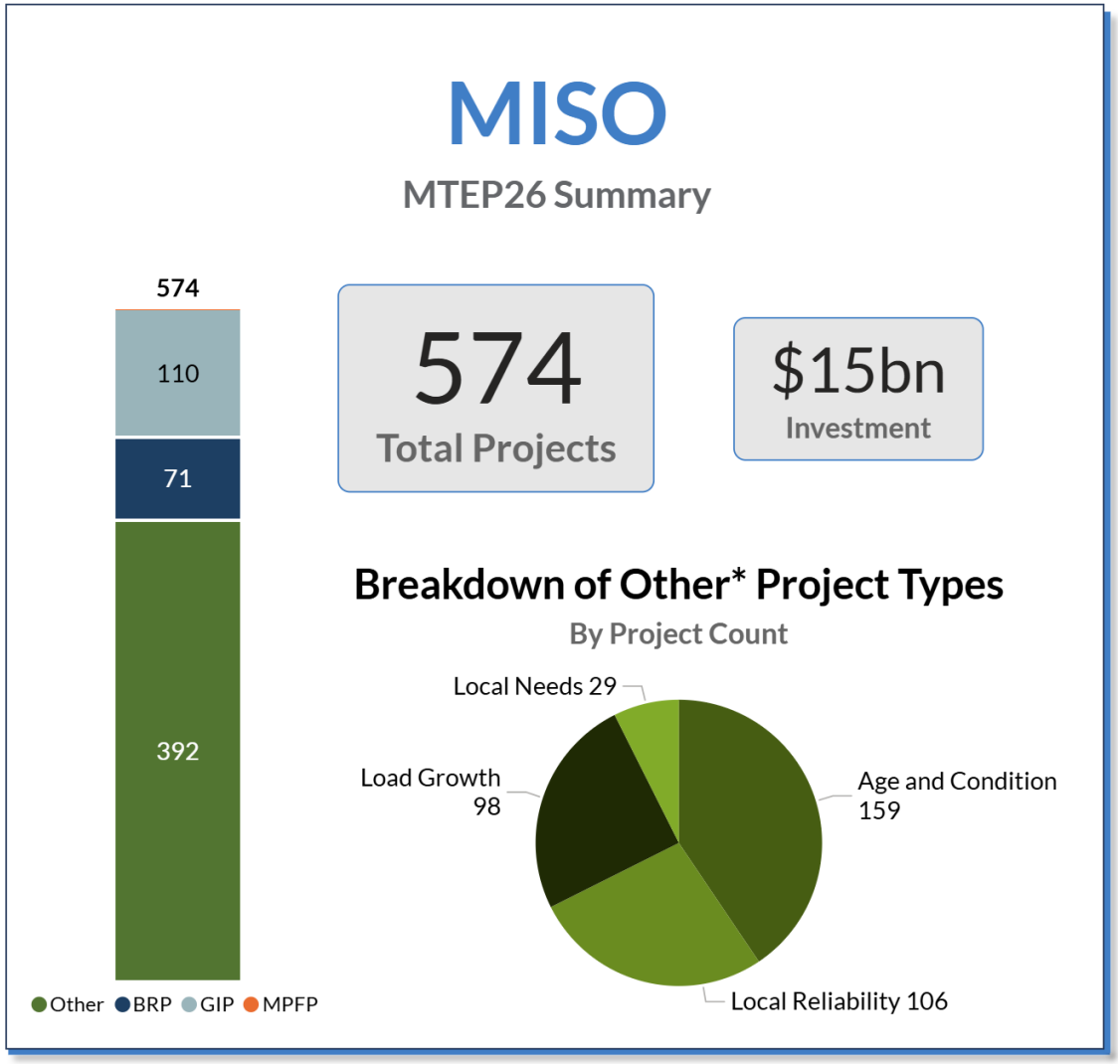
# MTEP26 Overview






- **Core Reliability Studies**
  - NERC Transmission Planning (TPL) studies for planning horizon
  - Transmission Service Requests
  - Generator Interconnection Requests
  - System Support Resources studies for generator retirements or suspensions
- **On-Going Efforts**
  - Addressing large load additions
  - Completing Futures Redesign process
  - Midwest Long-Range Transmission Planning (LRTP)
  - South LRTP
  - Interregional planning (e.g., PJM and SPP studies)
  - Tranche 1 and 2.1 implementation support (e.g., regulatory process, competitive transmission administration)
  - Order 1920 compliance


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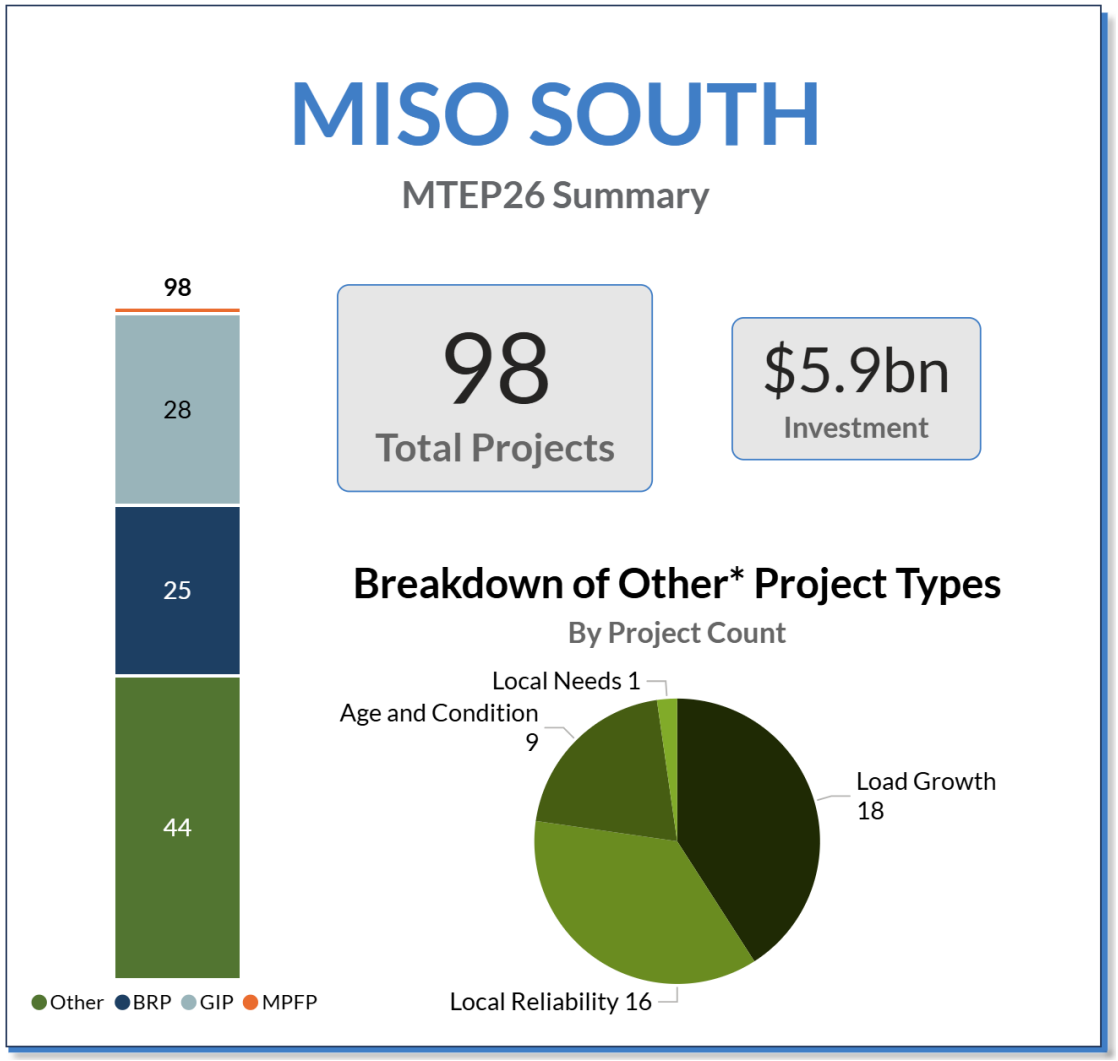

## Insights

- A significant majority of Expedited Project Review (EPR) projects are to facilitate load growth
- Higher Voltage projects are supporting large loads and new generation interconnections
- Members continue to plan and invest in specific local needs as the majority of projects apply at 69 kV or 138 kV

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MISO Portal.
Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.



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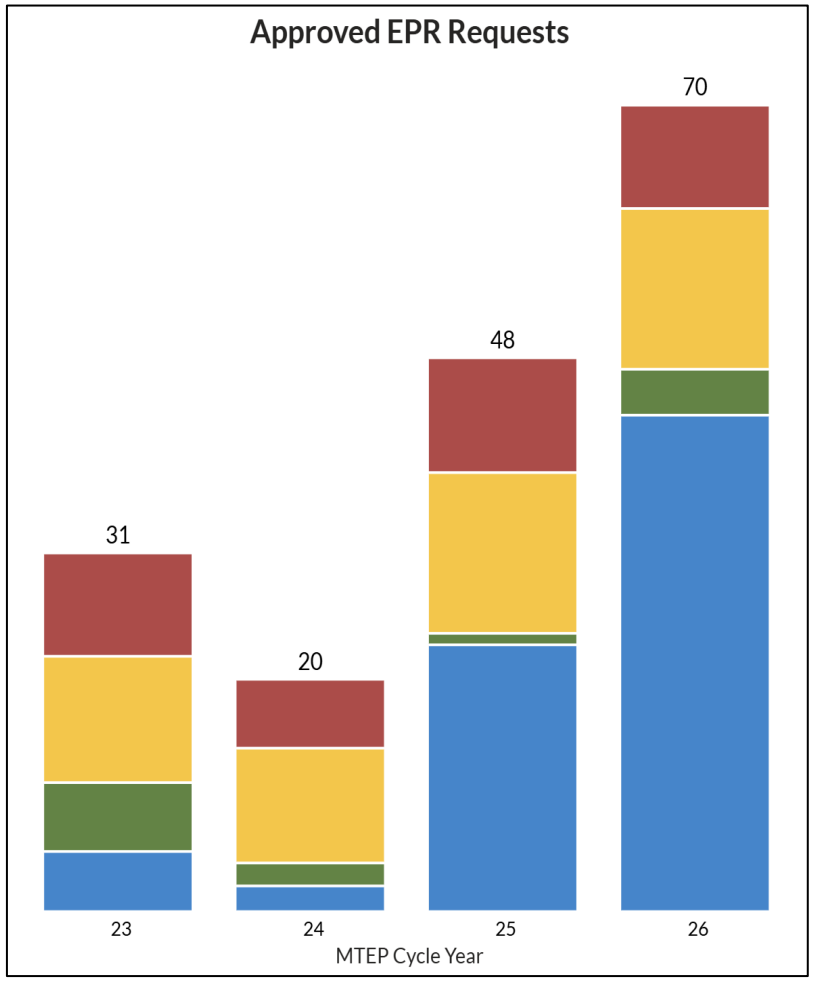

## South Region Insights

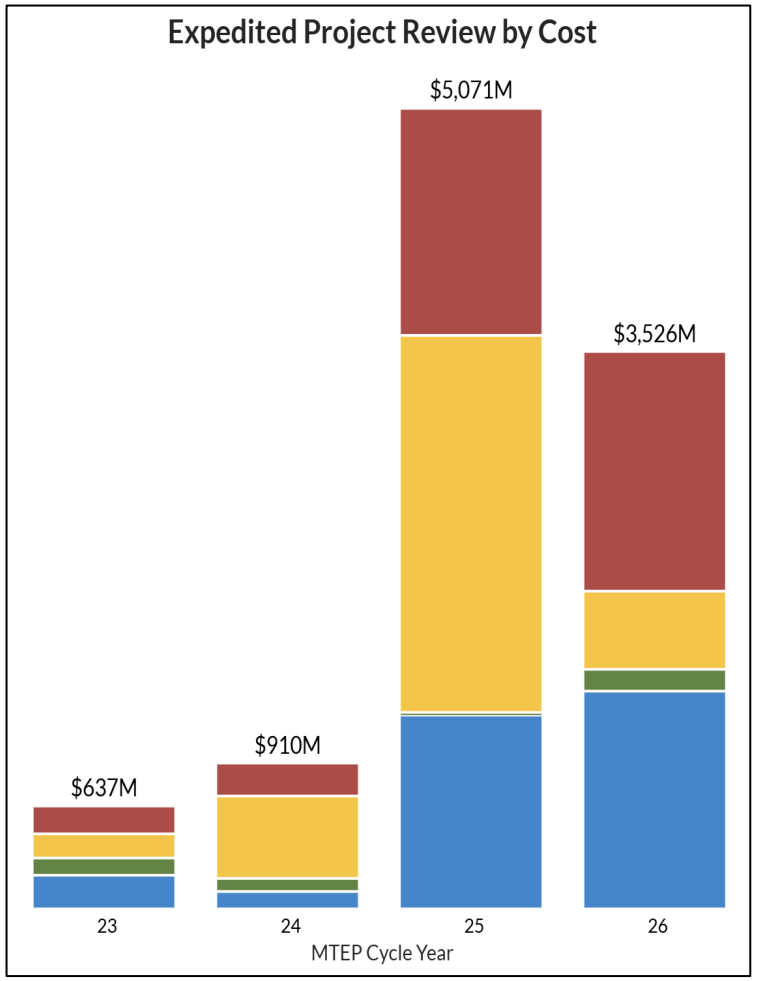
- Load Growth projects continue to dominate the South Region
- The majority of new and impacted transmission line miles are at the 500 kV level
- MTEP26 will include over 4000 MW of new spot load in the South
- Sharp increase in GIPs in the Arkansas region

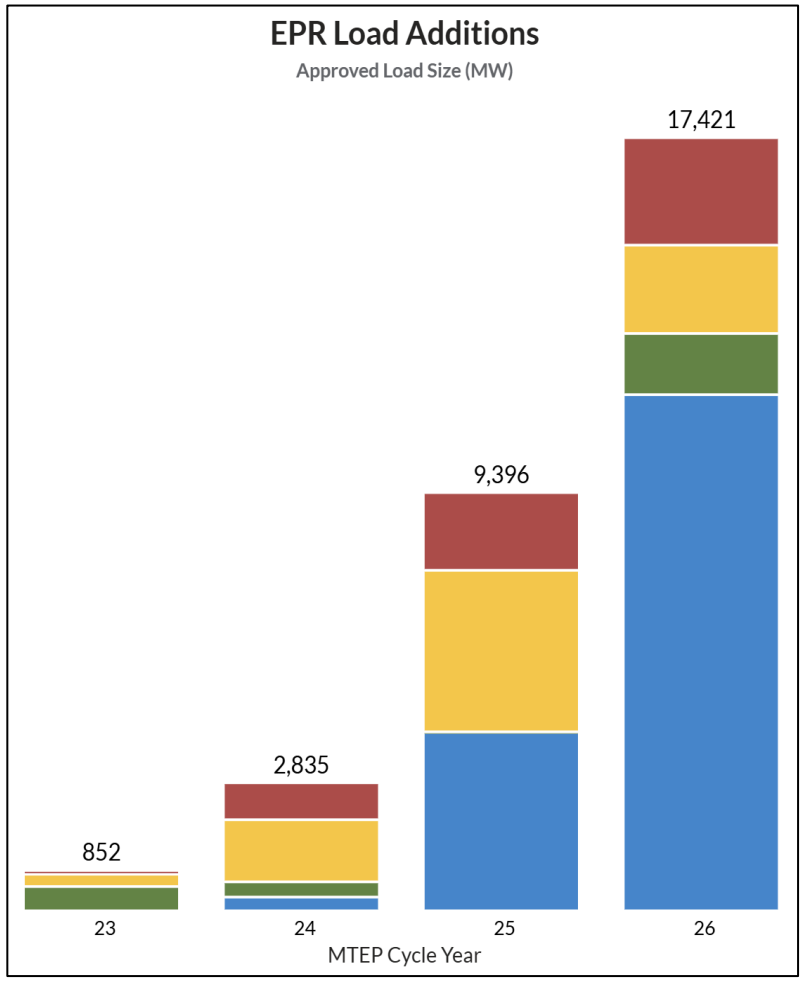
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Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.



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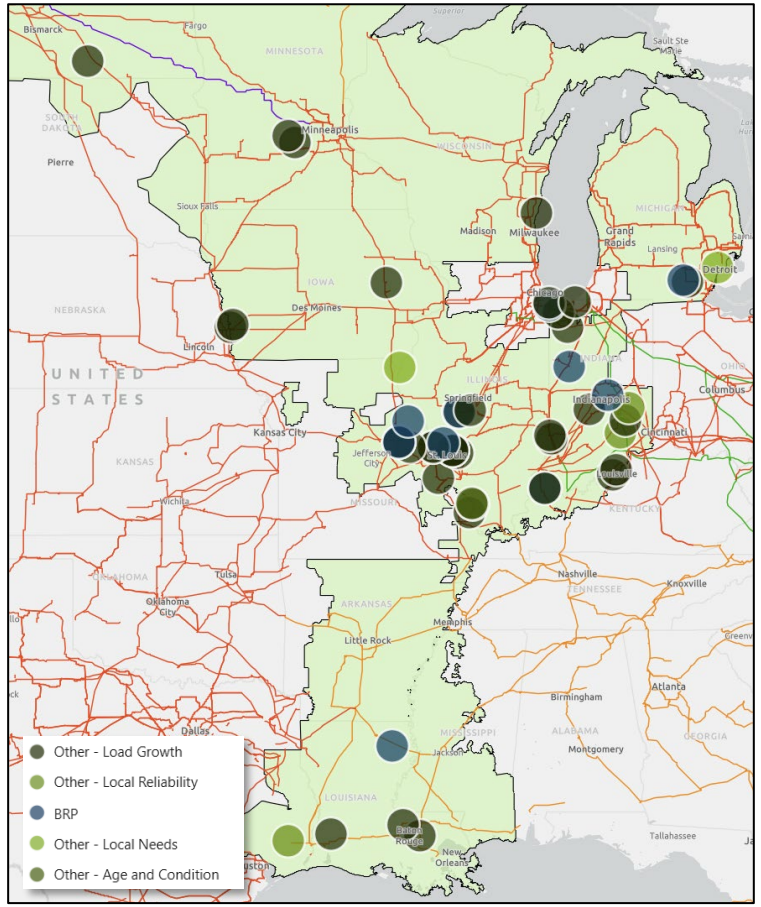




West East Central South

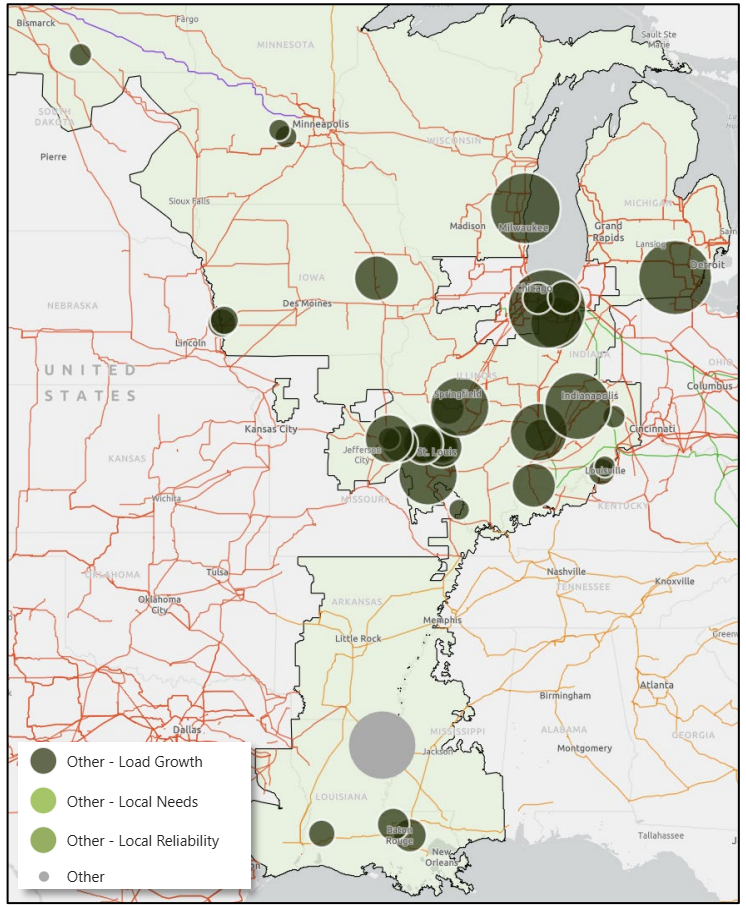
Note: These reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

Unlabeled

# MTEP26 EPR Locations




# MTEP26 EPR Spot Load Locations




*Scaled by Load Size*

| MTEP26 Important EPR Dates | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| September 9, 2025 | |
| October 7, 2025 | October 1, 2025 |
| November 4, 2025 | |
| December 2, 2025 | December 1, 2025 |
| January 6, 2026 | |
| February 3, 2026 | February 2, 2026 |
| March 3, 2026 | |
| April 7, 2026 | April 1, 2026 |
| May 5, 2026 | |
| June 9, 2026 | June 1, 2026 |
| July 7, 2026 | |
| August 4, 2026 | August 3, 2026 |

Note: These reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

Unlabeled

## Things to keep in mind as all MISO Planners present individual TO presentations

- 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*

## Next Steps

### MISO

- Continue performing a global NERC TPL assessment to identify transmission issues
- Assess solutions and alternatives provided by Transmission Owner(s), Stakeholders or MISO staff to ensure compliance
- Select preferred solutions and recommend to Board

### Stakeholders

- Provide process related feedback along with inputs on identified issues and proposed solutions



Unlabeled

# 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:**

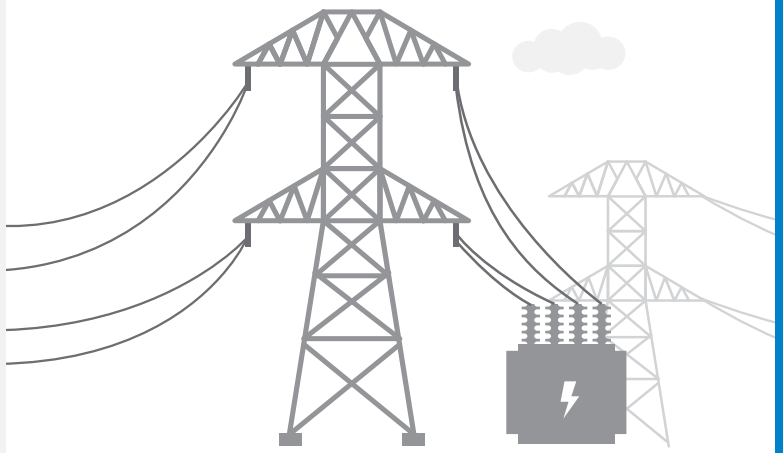
misoenergy.org

LinkedIn: Midcontinent ISO

# Appendix

## NERC reliability planning (MTEP)

- Load generally modeled as the most probable (50/50) coincident
- Generation resources consider signed GIA and approved Attachment Y by horizon
- MTEP A in service by horizon
- 2, 5, 10 years



## Long-term planning (LRTP)

- Projected load growth by existing economic factors and electrification
- Member plans: Utility IRPs and announced state and utility goals
- MTEP A in service by horizon
- 20+ years

**Local / Near-Term** → **Regional / Long-Term**



Unlabeled

| Analysis | Steady State Analysis | Transient Stability Analysis | Voltage Stability Analysis | Transfer Capability Assessment | Nuclear Plant Assessment | Generator Deliverability Analysis |
|---|---|---|---|---|---|---|
| Scope | Contingency analysis for both planning and extreme events | Disturbance analysis for both planning and extreme events | Identify voltage stability limits under a set of transfer scenarios | Evaluate transfer capability of the system under various transfer scenarios | Monitor and identify potential NPIR violations | Determine deliverability of existing network resources |
| Horizon | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) | Near term (year 5) | Near term (year 5) | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) |
| Standard | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • FAC-014<br>• PRC- 023 | • FAC-013<br>• FAC-014<br>• PRC- 023 | • NUC-001<br>• PRC-023 | |



Unlabeled

# MTEP PROJECT CATEGORIES

| Multi-Value Projects (MVP) | Market Efficiency Projects (MEP) | Baseline Reliability Projects (BRP) | Generator Interconnection Projects | Transmission Delivery Service Projects | Other Projects | Market Participant Funded Projects |
|---|---|---|---|---|---|---|
| Provide regional public policy, economic and/or reliability benefits | Address market transmission congestion | Required to meet standards for both NERC and regional reliability | Needed to reliably connect new generation to the transmission grid | Enable power delivery | Address local reliability issues and/or provide local economic benefit | Funded by project requestor (often not a Transmission Owner) |



Unlabeled




# MTEP26 Project Information – Arkansas

## Entergy Arkansas, LLC (EAL); Arkansas Electric Cooperative Corporation (AECC); City Water and Light Plant of Jonesboro (CWLT)

2nd South Subregional Planning Meeting

Wednesday, June 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



Unlabeled

# The details of the Arkansas projects and their costs per TO are shown below:

- Entergy Arkansas, LLC: 19 submitted projects at an estimated cost of $334 million
- Arkansas Electric Cooperative Corporation: 2 submitted projects at an estimated cost of $110 million
- City Water and Light Plant of Jonesboro did not submit projects for consideration for MTEP26


Unlabeled

# Entergy Arkansas, LLC

# Update on Current Cycle Projects since SPM1

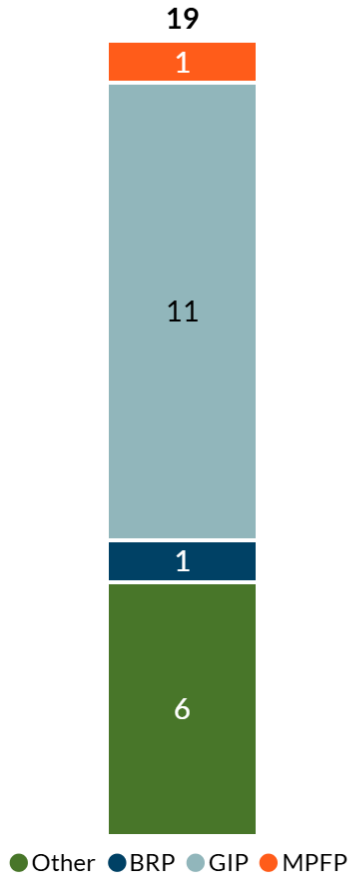
| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50911 | Dell – AECC Dell East – Blytheville Elm St. 161 kV Upgrade | MPFP | Withdrawn |
| 51097 | Pratt – Frazier Pike 115 kV: New Transmission Line | Other: Load Growth | Name change: Little Rock South– Frazier Pike 115 kV: New Transmission Line<br>Cost: $45M to $40M |



Unlabeled

# ENTERGY ARKANSAS, LLC

## MTEP26 Projects

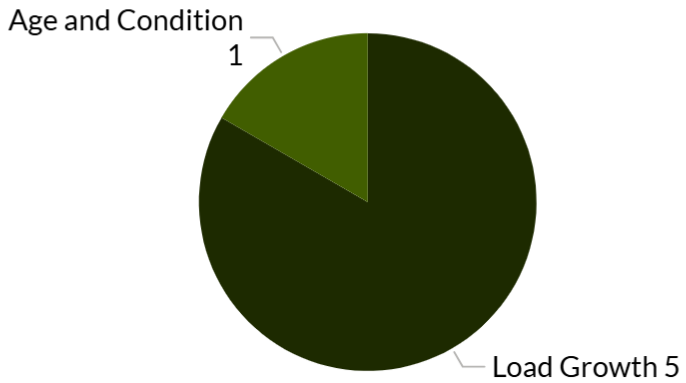



**19**
Total Projects

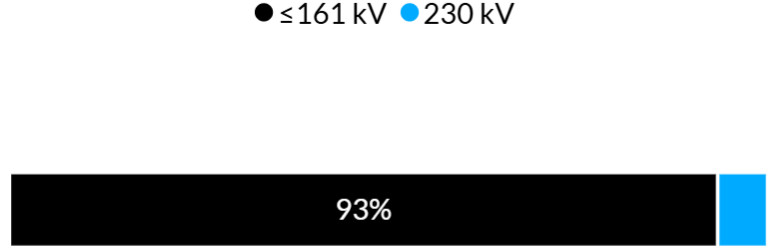
**$334M**
Investment

### Breakdown of Other Project Types

By Project Count

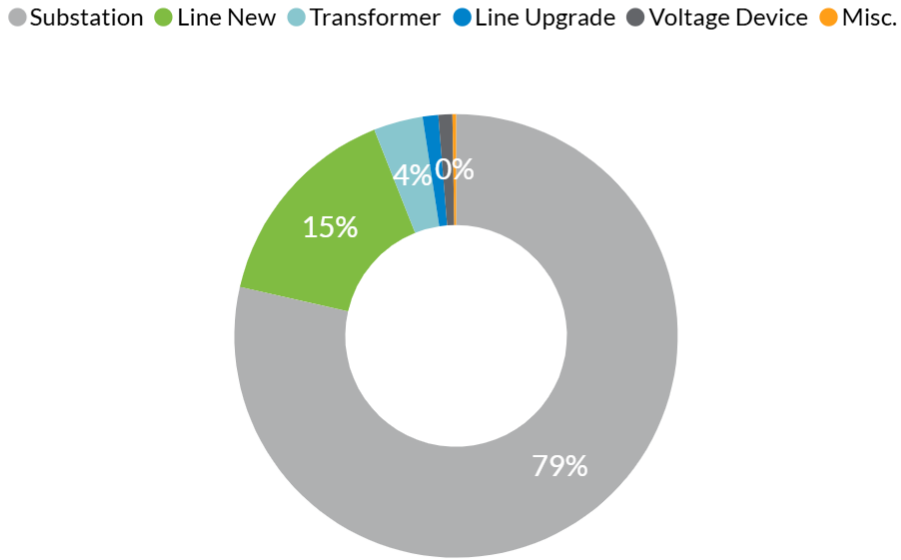



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

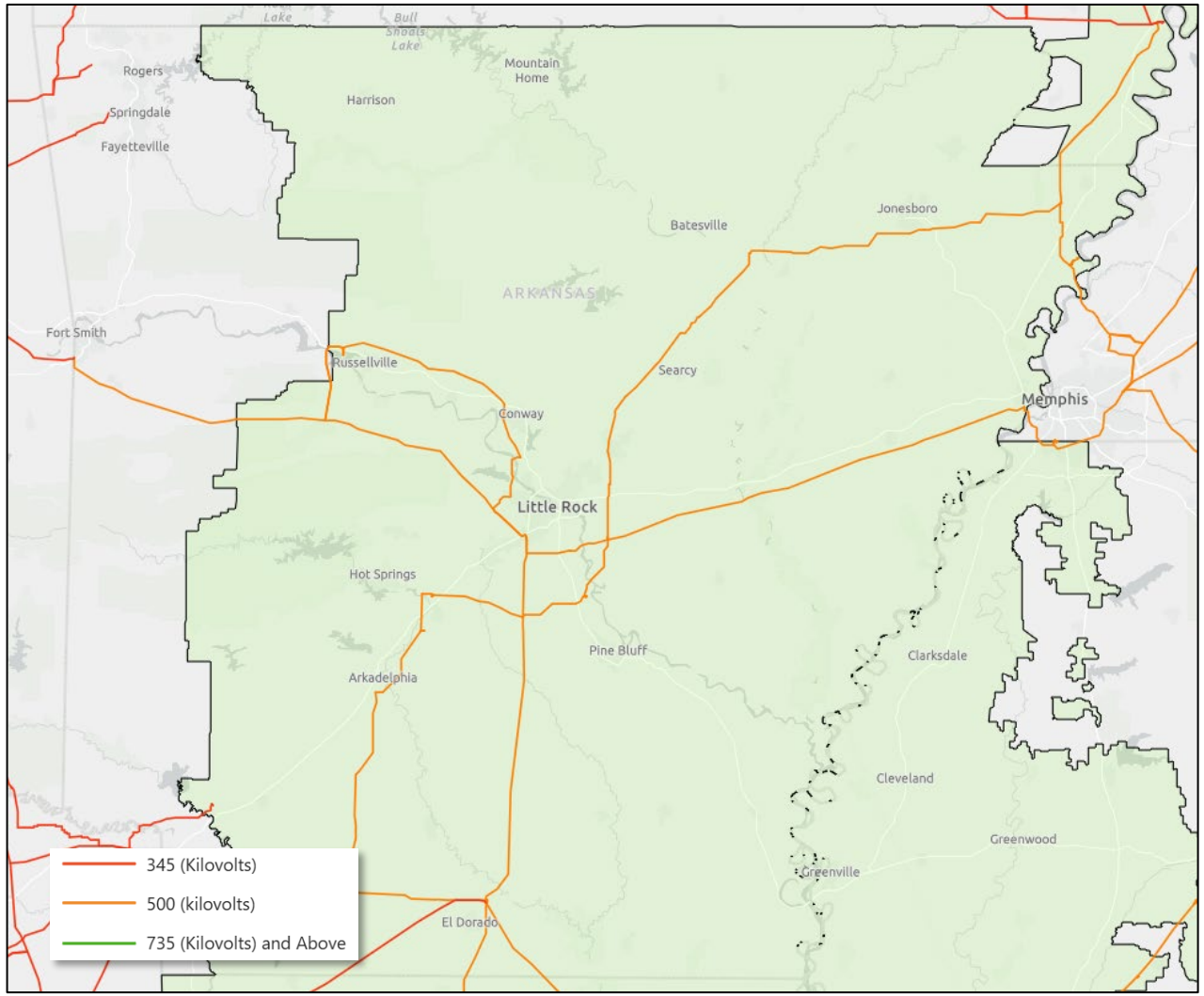
Unlabeled

# EAL MTEP26 Project Type Breakdown

## ENTERGY ARKANSAS, LLC

MTEP26 Summary

| | |
|---|---|
| GIP | 11 |
| BRP | 1 |
| Other | 6 |



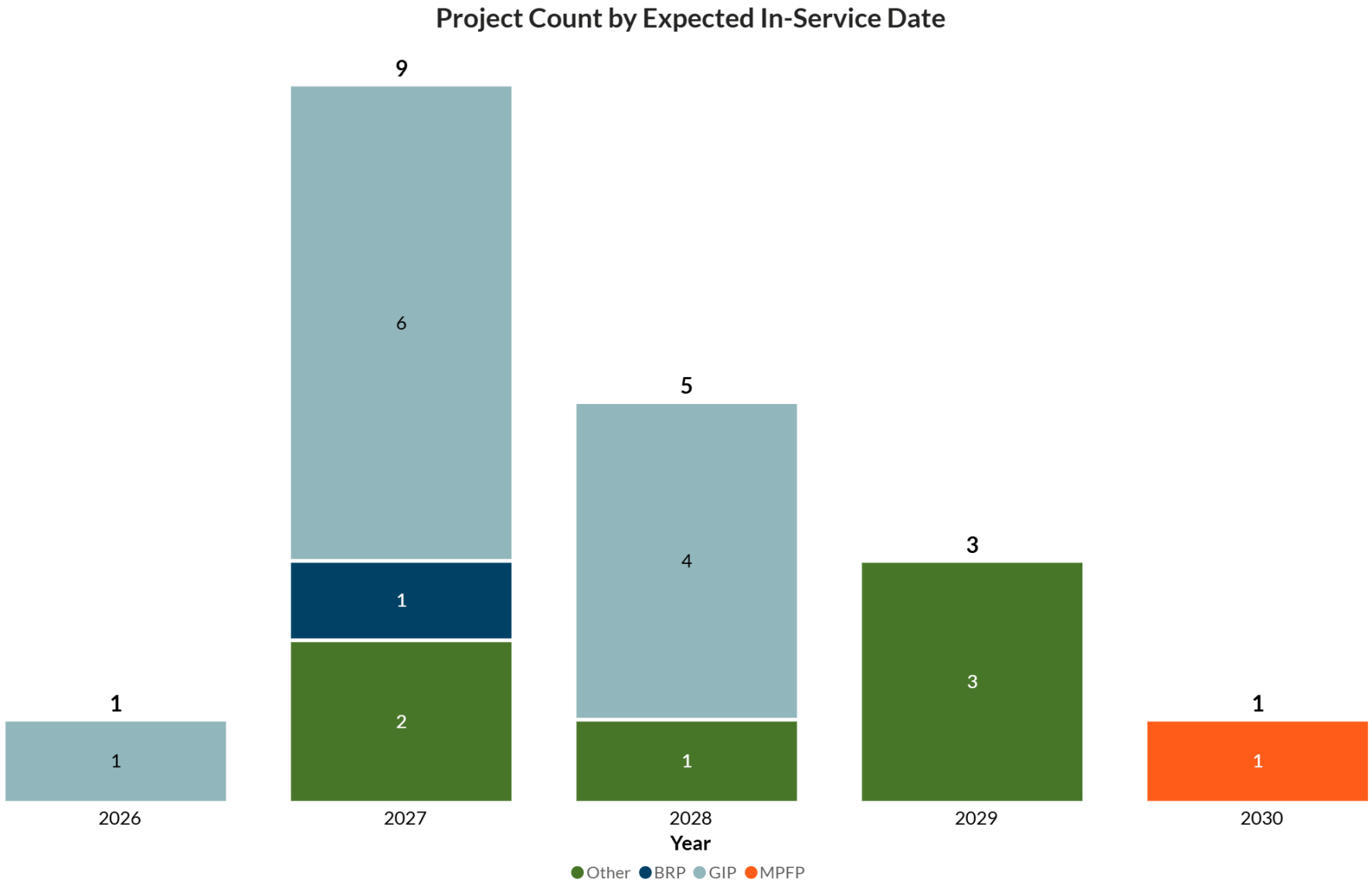

*No project location data submitted to MISO for MTEP26*

Project information as of 5/15/26.



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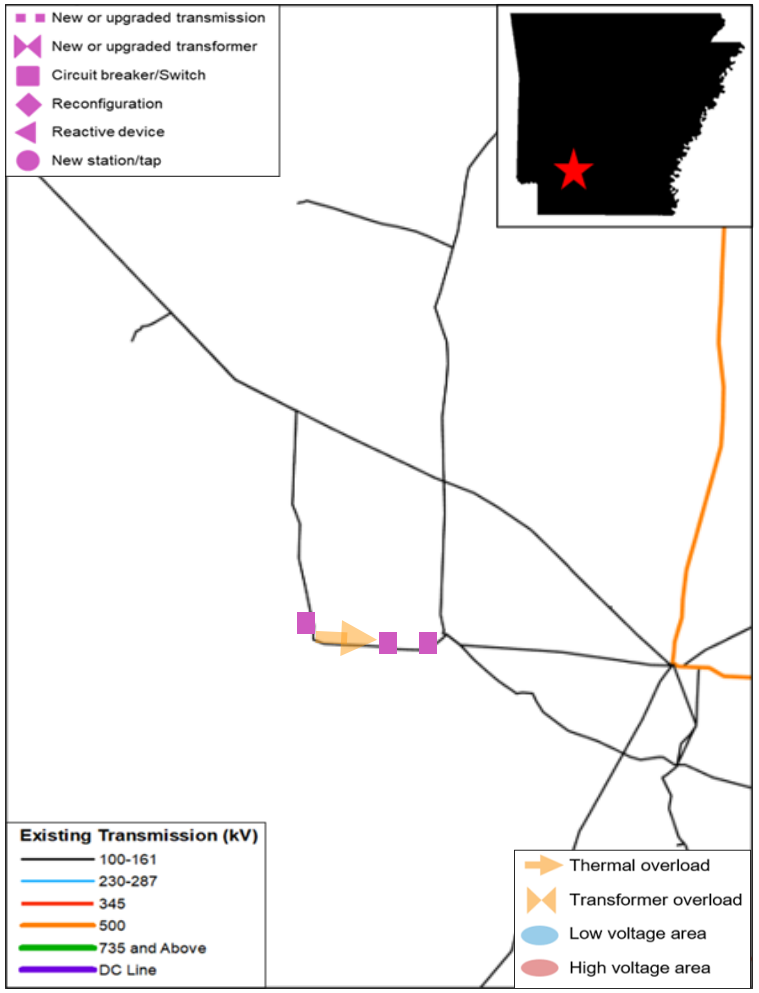
# EAL MTEP26 ISD Breakdown




Project information as of 5/15/26.

Unlabeled

# Baseline Reliability Project
# Details for Couch - Lewisville 115kV Uprate




| MTEP Project ID | 50893 |
|---|---|
| Project Name | Couch - Lewisville 115kV Uprate |
| Project Type | BRP |
| Project Description | Replace 13 structures on the Couch - Lewisville line to mitigate clearance violations to achieve 100 degree conductor rating. |
| System Need | Uprate is needed for compliance with NERC TPL 001-5. |
| Current Cost | $3.8 M |
| Expected ISD | 06/01/2027 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Couch - Lewisville 115kV Uprate

[EES] Couch – [EES] Lewisville 115 kV line becomes overloaded for a N-1-1 contingency event. The Couch – Lewisville uprate mitigates the overload.

**MTEP26 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | Couch - Lewisville 115 kV | 101 | 89 |

Preliminary Recommendation: Move to Appendix A



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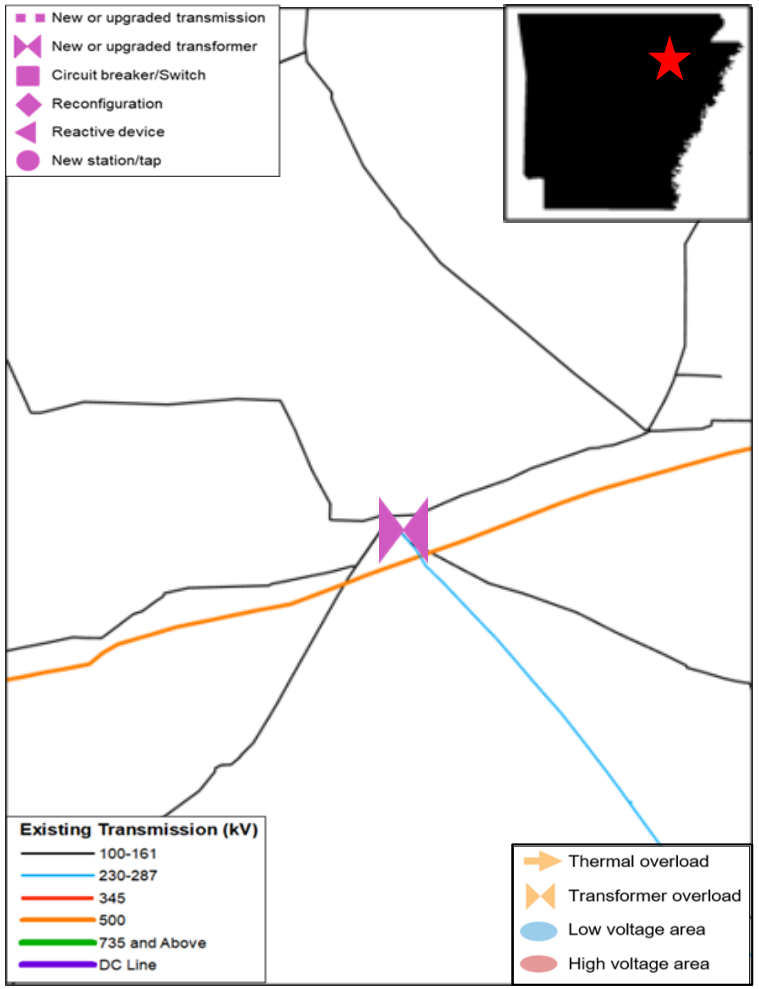
# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50893 | Couch - Lewisville 115kV Uprate | 06/01/2027 | $3.8 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

# Details for Brinkley East 230/115 kV Transformer Upgrade




| MTEP Project ID | 50910 |
|---|---|
| Project Name | Brinkley East 230/115 kV Transformer Upgrade |
| Project Type | MPFP |
| Project Description | Upgrade the Brinkley East 230/115 kV transformer to achieve a rating of 430 MVA. |
| Current Cost | $12.0 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |
| Expedited Project Review (EPR) | No |

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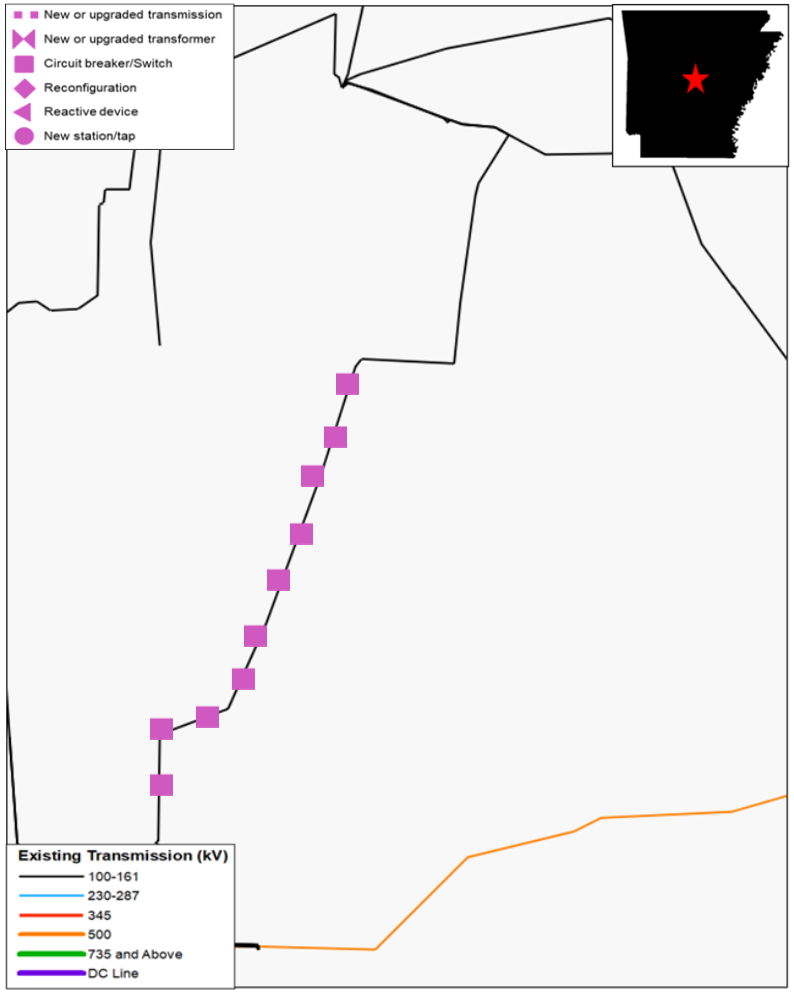
# MPFP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50910 | Brinkley East 230/115 kV Transformer Upgrade | 12/01/2030 | $12.0M |

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

# Other, Load Growth Highlight
# Details for Pratt - Frazier Pike 115kV: New Transmission Line




| MTEP Project ID | 51097 |
|---|---|
| Project Name | Pratt - Frazier Pike 115kV: New Transmission Line |
| Project Type | Other |
| Other Type | Load Growth |
| Project Description | Construct a new Pratt - Frazier Pike 115kV approximate seven mile transmission line at a 1500 Amp (300MVA) minimum. A new switching station called Pratt will be constructed on the LR South - Wrightsville 115kV line. |
| System Need | This project is needed to serve additional load in the Little Rock Port industrial area. Existing customers will also receive improved reliability and a reduction in operational challenges. There will be a mitigation of thermal overloads and low voltage concerns for the loss of the Wrightsville - Little Rock 145th 115kV line section or the loss of the Wrightsville - Frazier Pike breaker to breaker 115kV line. |
| Current Cost | $40.0 M |
| Expected ISD | 06/30/2029 |
| Target Appendix | A |



Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50894 | Frazier Pike 115kV Add Breakers and Capacitor Banks | Load Growth | 12/15/2027 | $6.8 M |
| 50895 | 2027 EAL Asset Renewal Program | Age and Condition | 12/30/2027 | $25.0 M |
| 50897 | Galla Creek 161kV: Build new substation | Load Growth | 12/01/2029 | $18.7 M |
| 51097 | Pratt - Frazier Pike 115kV: New Transmission Line | Load Growth | 06/30/2029 | $40.0 M |
| **51205** | **Garant Bayou 161kV: New Switching Station** | **Load Growth** | **05/31/2028** | **$14.5 M** |
| **51238** | **Galet 230kV: Expand Substation** | **Load Growth** | **12/01/2029** | **$26.5 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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51116 | J1872 & J1873 MPFCA El Dorado 500kV Point of Interconnection | 11/01/2028 | $25.6 M |
| 51126 | J2143 Lake Village Bagby 115kV Point of Interconnection | 03/01/2027 | $4.9 M |
| 51127 | J2153 Ashley 115kV expansion | 03/04/2027 | $5.4 M |
| 51150 | J1858 Sandy Bayou 500kV Point of Interconnection | 03/20/2028 | $12.2 M |
| 51153 | J2088 Nash Corner 500kV Switching Station Point of Interconnection | 04/01/2028 | $32.2 M |
| 51155 | J2181 Dearman 161kV Switching Station Point of Interconnection | 07/30/2027 | $15.0 M |
| 51158 | J2237 Flat Fork 230kV Expansion for Point of Interconnection | 05/30/2027 | $3.7 M |
| 51159 | J1897/J1899/J2190 Steel Grove 500kV SS Point of Interconnection | 10/22/2027 | $32.8 M |
| 51162 | J2089 Wilson Junction 161kV SS Point of Interconnection | 12/31/2027 | $13.8 M |
| 51168 | J2261 & J2262 Campbell 500kV SS Point of Interconnection | 09/01/2028 | $39.9 M |
| 51330 | J1851 Beekman Solar Remote End Upgrades | 12/01/2026 | $0.9 M |



Unlabeled

# Arkansas Electric Cooperative Corporation

# ARKANSAS ELECTRIC COOPERATIVE CORPORATION

MTEP26 Projects

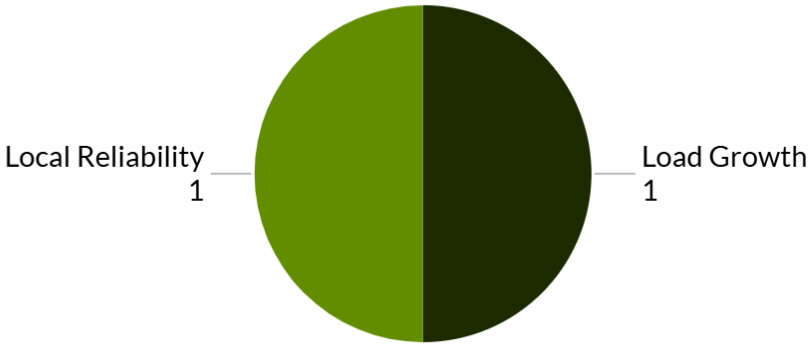



**2**
Total Projects

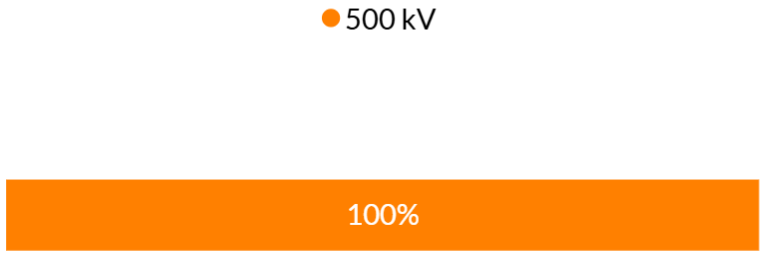
**$110M**
Investment

## Breakdown of Other Project Types

By Project Count

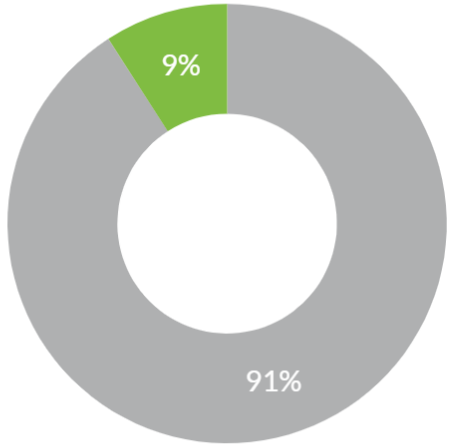



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

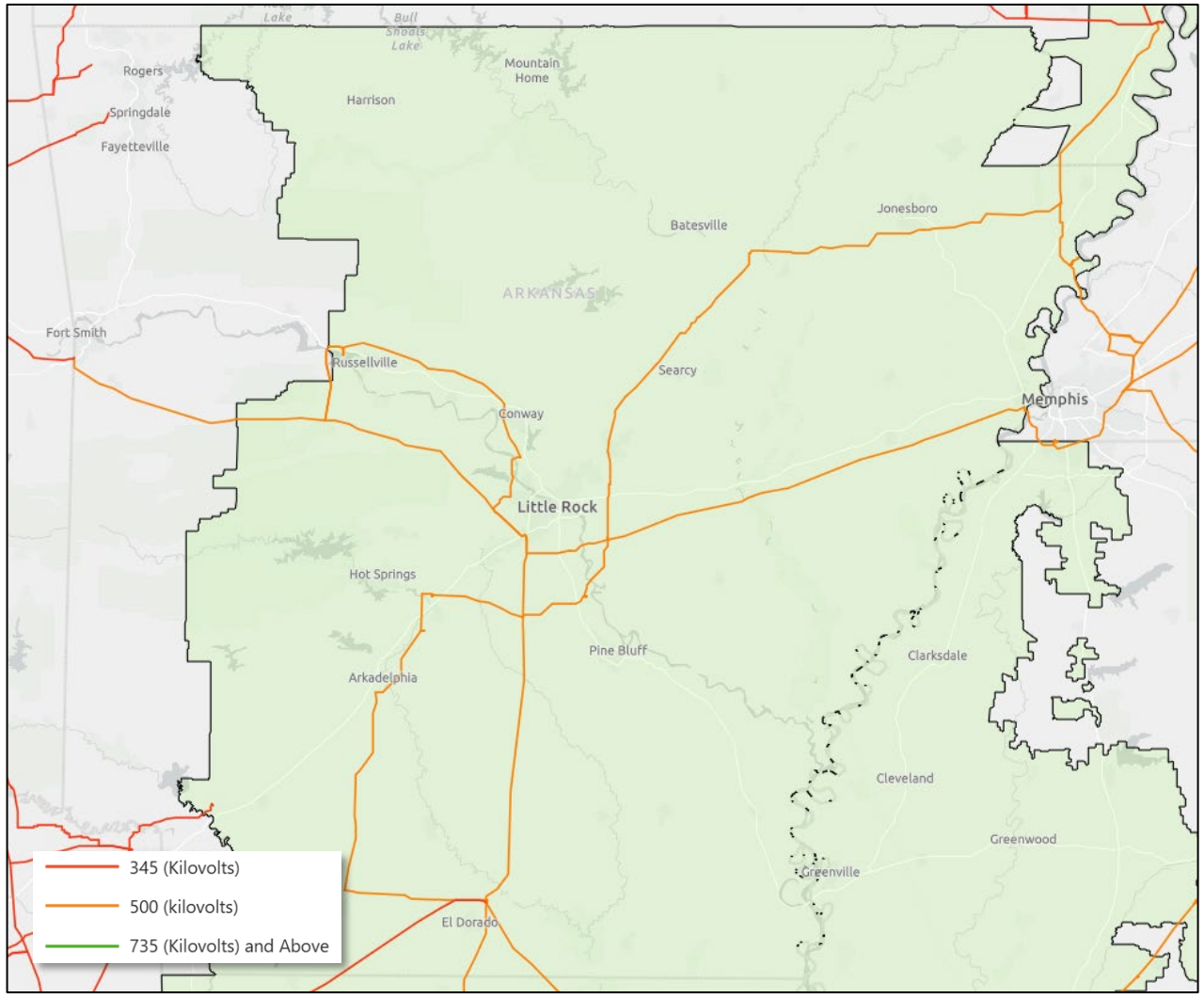
Unlabeled

# AECC MTEP26 Project Type Breakdown

## ARKANSAS ELECTRIC COOPERATIVE CORPORATION

MTEP26 Summary

| | |
|---|---|
| GIP | [redacted] |
| BRP | |
| Other | 2 |



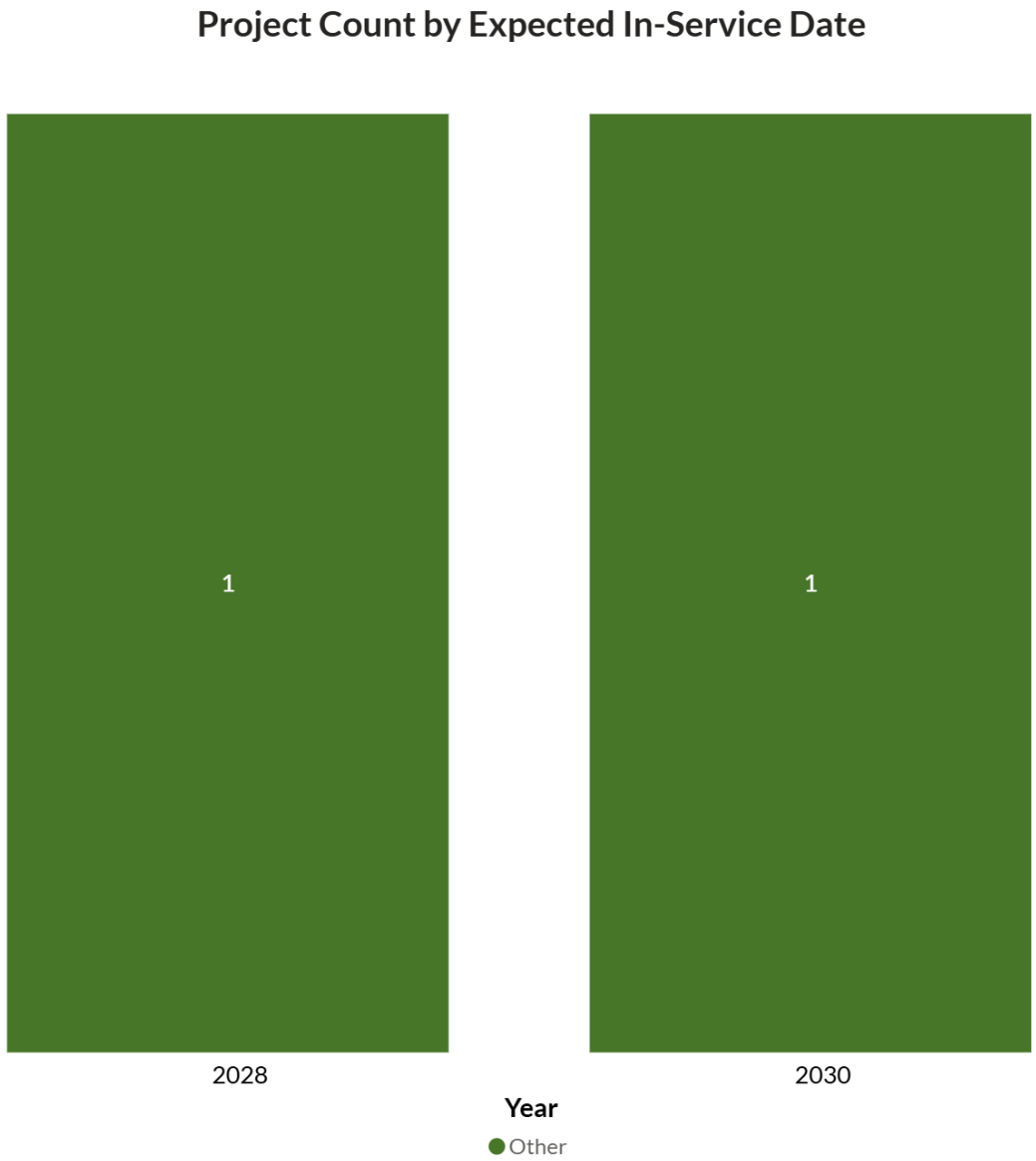

*No project location data submitted to MISO for MTEP26*

Project information as of 5/15/26.



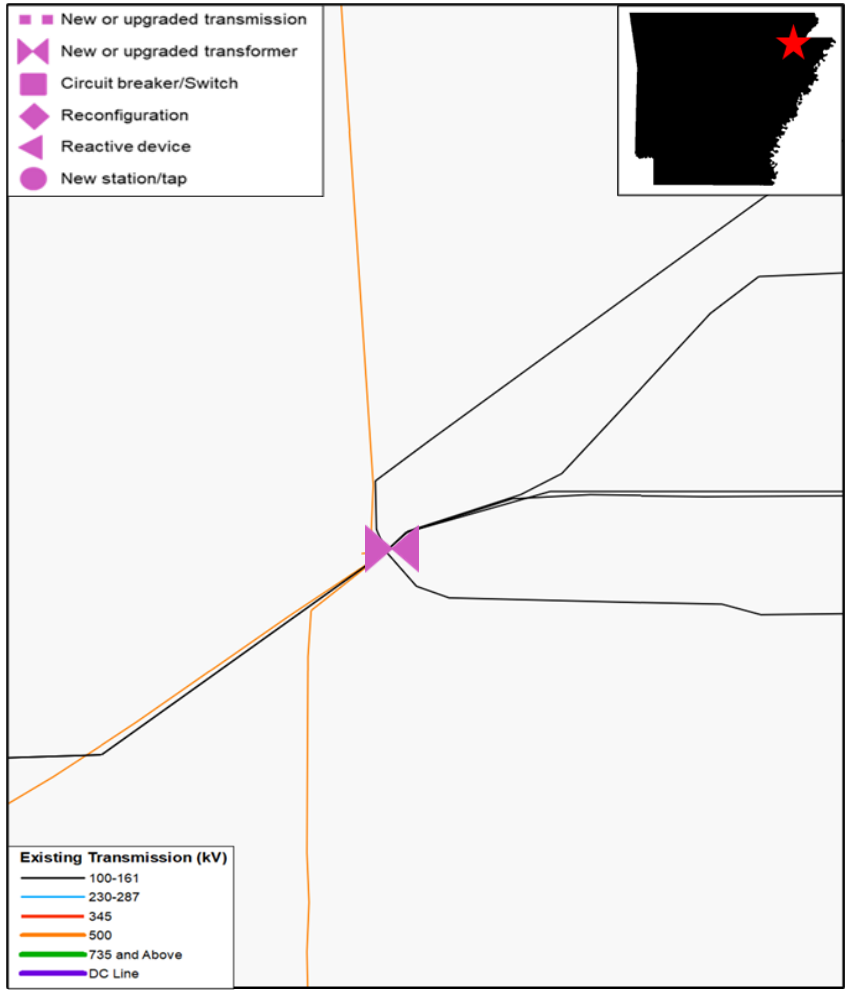
Unlabeled

# AECC MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other, Local Reliability Highlight Details for AECC Dell-500 Rebuild




| MTEP Project ID | 51120 |
|---|---|
| Project Name | AECC Dell-500 Rebuild |
| Project Type | Other |
| Other Type | Local Reliability |
| Project Description | AECC will be adding a fourth 250 MVA, 500kV to 161 kV autotransformer to the existing Dell 500 kV substation and reconfiguring the 161 kV low side to a breaker and half configuration. |
| System Need | Rebuilding Dell 500 by adding a fourth autotransformer and reconfiguring the 161 kV side will allow for transfer of network load between Entergy and AECC during certain future P6 event NERC violations to improve the voltage. It will also provide more operational flexibilty between clean and furnace load when performing required or unscheduled maintenance for two large steel mills. |
| Current Cost | $30.0 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |



Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51120 | AECC Dell-500 Rebuild | Local Reliability | 12/01/2030 | $30.0 M |
| **51312** | **Sheridan North Load Addition** | **Load Growth** | **03/31/2028** | **$80.0 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.

Unlabeled

# Contacts

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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.*

**Learn more and follow MISO at:**

misoenergy.org

LinkedIn: Midcontinent ISO




# MTEP26 Project Information – Louisiana

## Entergy Services, LLC – Louisiana (EES-LA); 1803 Electric Cooperative, Inc. (1803); CLECO Power, LLC (CLEC); Lafayette Utilities System (LAFA); City of Alexandria, LA (COA)

2nd South Subregional Planning Meeting

Wednesday, June 3, 2026

**UPDATE: Slide 27 (6/10/2026)**

# 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*.



Unlabeled

# The details of the Louisiana projects and their costs per TO are shown below:

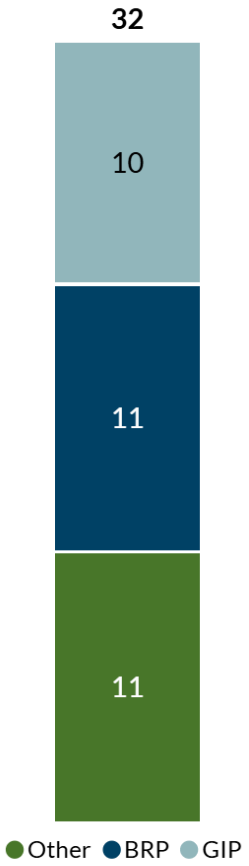
- Entergy Services, LLC — Louisiana: 32 submitted projects at an estimated cost of $4.5 billion
- 1803 Electric Cooperative: 14 submitted projects at an estimated cost of $155 million
- CLECO Power, LLC: 2 submitted projects at an estimated cost of $117 million
- Lafayette Utilities System & City of Alexandria, LA did not submit projects for consideration in MTEP26


Unlabeled

# Entergy Services, LLC – Louisiana

# ENTERGY SERVICES, LLC.

## MTEP26 Projects

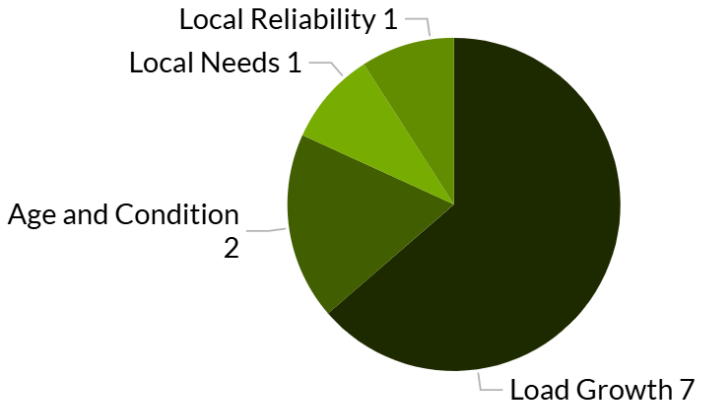



**32**
Total Projects

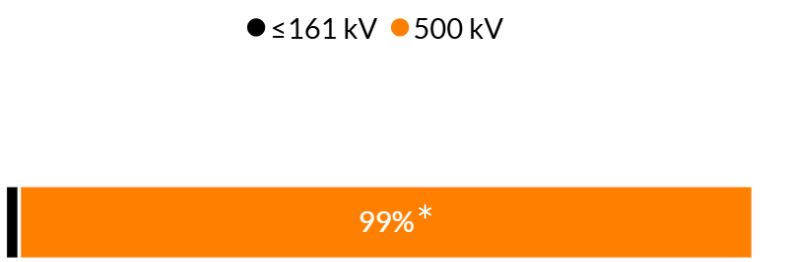
**$4,481M**
Investment

## Breakdown of Other Project Types

By Project Count

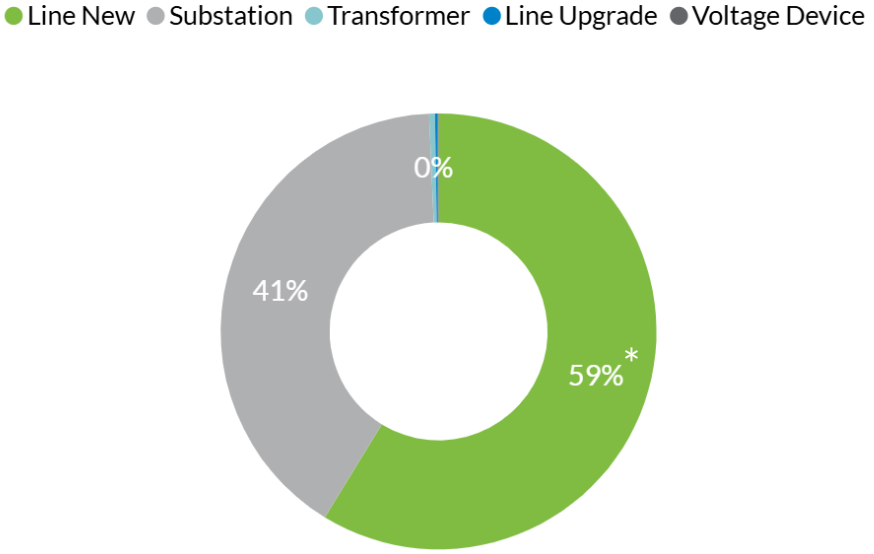



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.
*Facility calculations include MTEP Project 50713 – an interstate transmission project with endpoints in LA & AR.

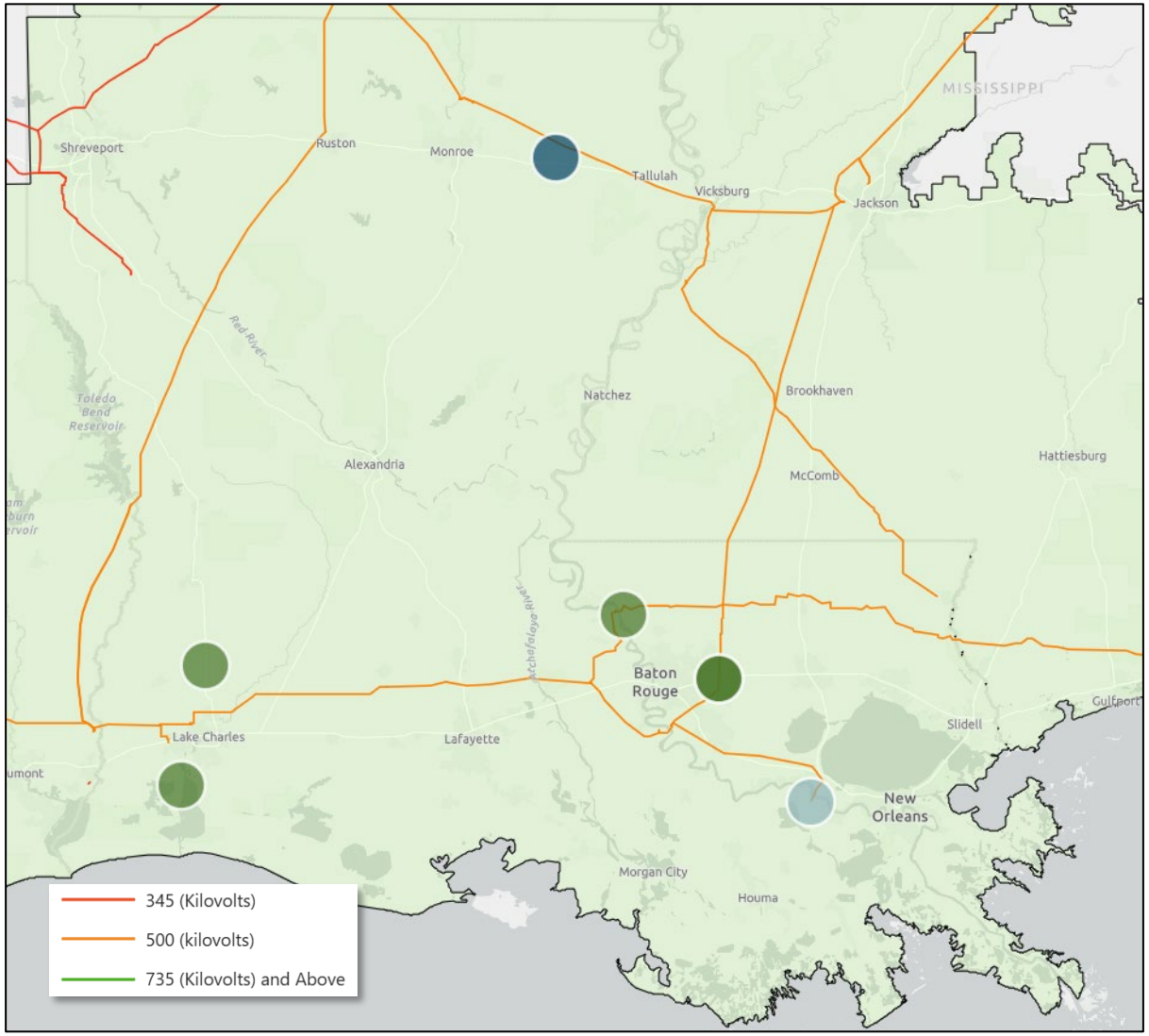
Unlabeled

# EES - LA MTEP26 Project Type Breakdown

## ENTERGY SERVICES, LLC.

MTEP26 Summary

| | |
|---|---|
| GIP | 10 |
| BRP | 11 |
| Other | 11 |

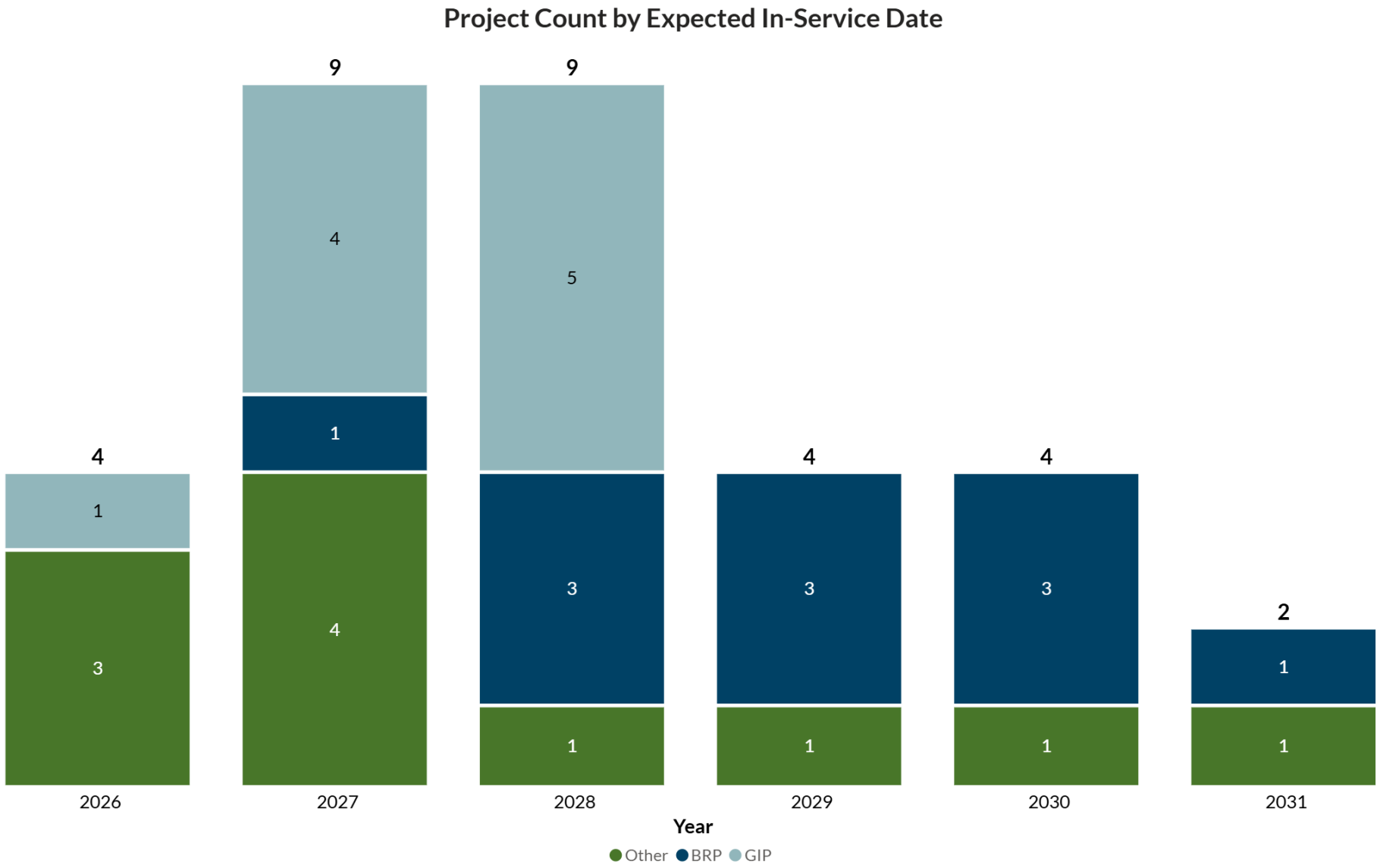



Project information as of 5/15/26.



Unlabeled

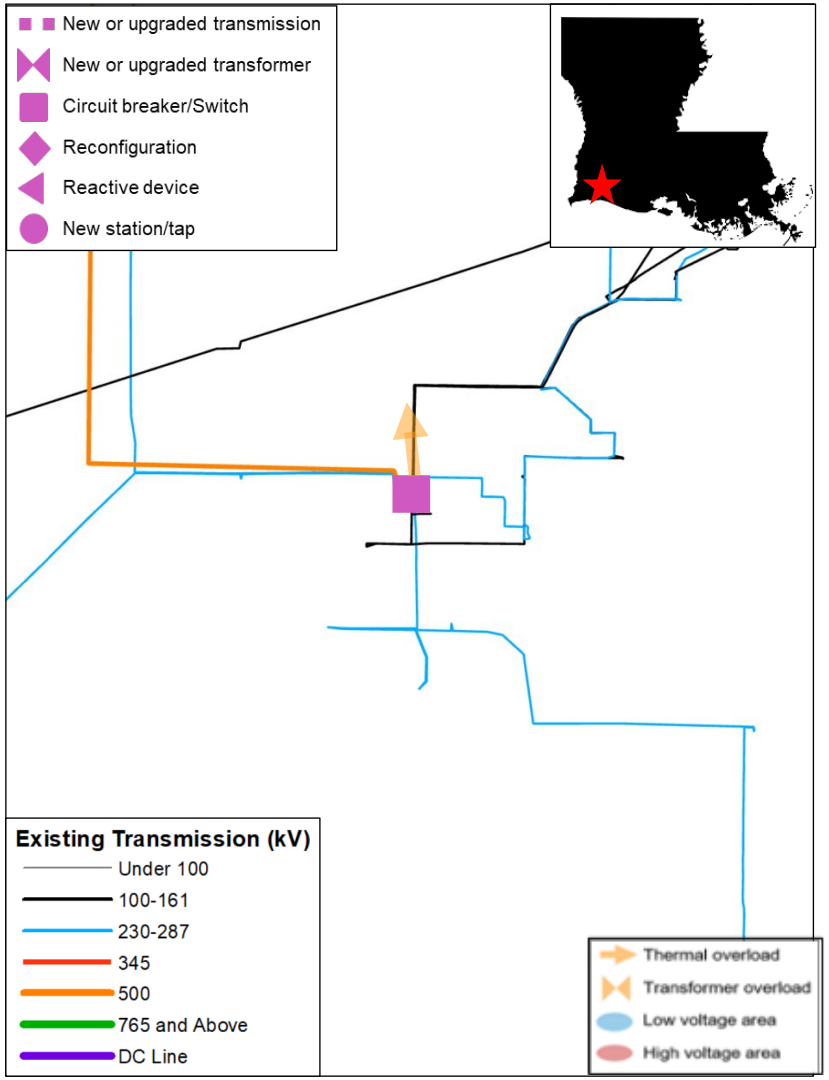
# EES - LA MTEP26 ISD Breakdown




Project information as of 5/15/26.

Unlabeled

# Baseline Reliability Project Details for Carlyss 230 kV SPOF




| MTEP Project ID | 50934 |
|---|---|
| Project Name | Carlyss 230 kV SPOF |
| Project Type | BRP |
| Project Description | Install a second battery bank at Carlyss 230 kV station. The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay. The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets. The DC panels cannot be wired in series or in parallel to one another. |
| System Need | NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P5 non-redundant bus differential relay failure will cause thermal overloads on the Sphere – Line 655 Tap and Mossville – Line 655 Tap 69 kV lines. |
| Current Cost | $0.7 M |
| Expected ISD | 06/01/2028 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Carlyss 230 kV SPOF

The Sphere – Line 655 Tap and Mossville – Line 655 Tap 69 kV lines experience thermal overloads due to N-1's. This project alleviates this issue by separating two bus relays and trip coils.

**MTEP26 (Thermal/Voltage) Violations**

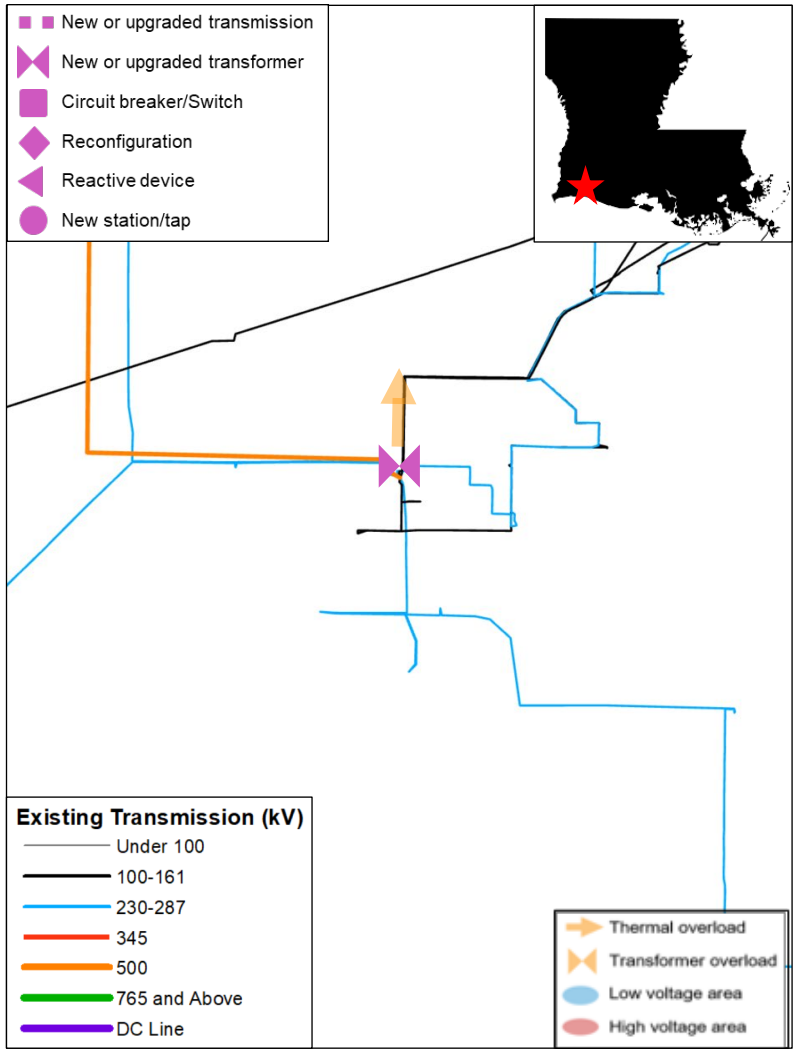
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | LINE-655_TP to MOSSVILLE 69.0 kV Line | 199 | 14 |
| N-1 | SPHERE to LINE-655_TP 69.0 kV Line | 195 | 13 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Carlyss 230-138 kV Autotransformer Upgrade




| MTEP Project ID | 50936 |
|---|---|
| Project Name | Carlyss 230-138 kV Autotransformer Upgrade |
| Project Type | BRP |
| Project Description | Upgrade Carlyss 230/138 kV Autotransformer |
| System Need | NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P3 for the loss of LCPS and the Nelson 230/138 kV AT causes a thermal overload of the Carlyss 230/138 kV AT |
| Current Cost | $19.5 M |
| Expected ISD | 12/15/2030 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Carlyss 230-138 kV Autotransformer Upgrade

The Carlyss 230/138 kV AT experiences thermal overloads due to a couple N-1-1 scenarios. This project alleviates those issues by increasing the rating of the transformer with a transformer upgrade.

**MTEP26 (Thermal/Voltage) Violations**

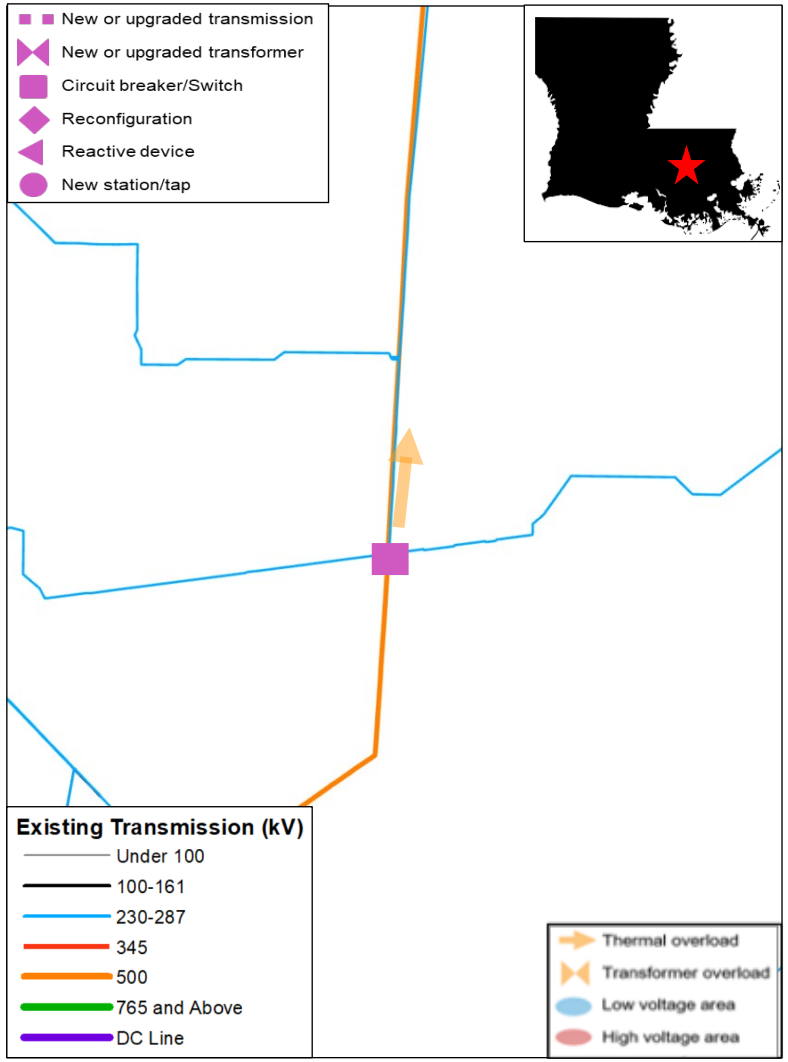
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | Carlyss 230/138 kV XFMR | 125 | 37 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Coly 500 kV GIS Bus replacement




| MTEP Project ID | 50937 |
|---|---|
| Project Name | Coly 500 kV GIS Bus replacement |
| Project Type | BRP |
| Project Description | Replace current obsolete 500 kV GIS with new GIS. |
| System Need | NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure. Most overloads are associated with loss of sections involving Coly to McKnight. |
| Current Cost | $75.7 M |
| Expected ISD | 06/01/2029 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Coly 500 kV GIS Bus replacement

The Coly - Moler 230kV and Ventress - Waterloo 230kV lines experience thermal overloads due to a series of N-1-1's. This project alleviates these issues by replacing the old Coly GIS bus with a more readily available GIS bus.

**MTEP26 (Thermal/Voltage) Violations**

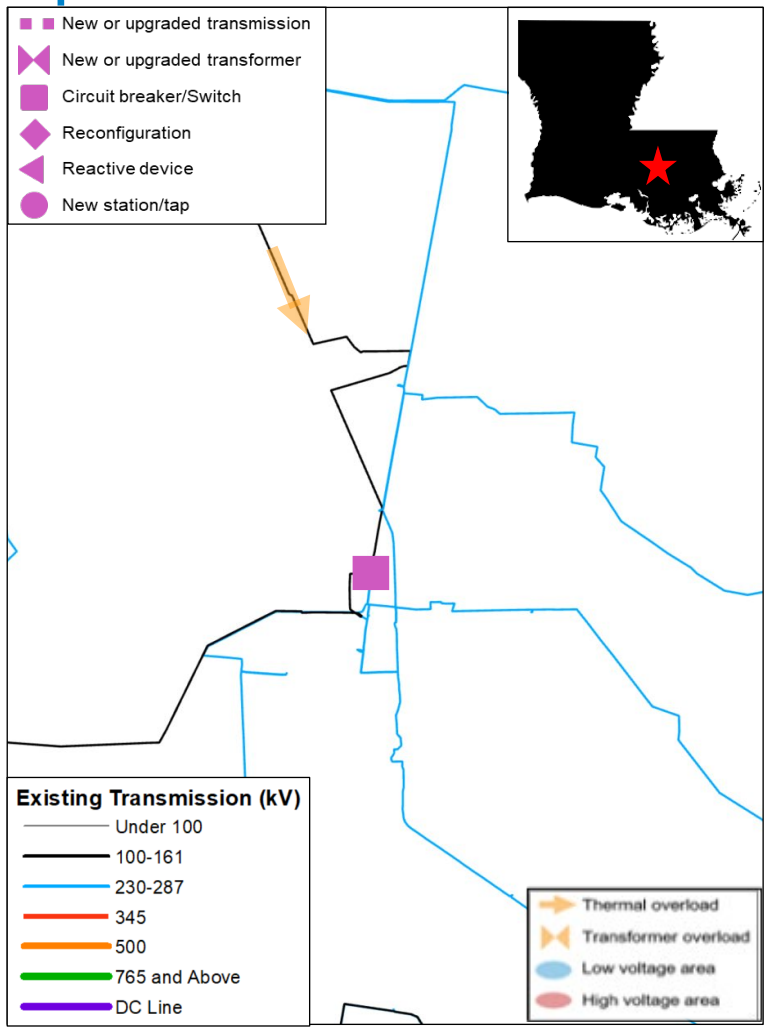
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | Coly to Moler 230kV Line | 102 | 39 |
| N-1-1 | Ventress to Waterloo 230kV Line | 100 | 49 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project Details for Jaguar 230 kV GIS Replacement




| MTEP Project ID | 50939 |
|---|---|
| Project Name | Jaguar 230 kV GIS Replacement |
| Project Type | BRP |
| Project Description | Replace current obsolete GIS bus with an open air 230 kV bus.<br><br>Ensure the following scope is addressed to mitigate P5 contingency:<br>• Install a second battery bank at Jaguar 230 kV station<br>• The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay<br>• The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets<br>The DC panels cannot be wired in series or in parallel to one another. Additional scope to ensure redundancy of the relays and its components will be identified by relay design. |
| System Need | NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure. Most overloads are associated with loss of sections involving Jaguar 230-69 kV AT1/2, Jaguar to Coly, or Jaguar to Enjay 230 kV lines. Additionally, a P5 non-redundant bus differential relay failure on the Jaguar 230 kV bus will cause thermal overloads on the Blount – Hoechst and Hoechst – Port Hudson 69 kV lines. |
| Current Cost | $37.6 M |
| Expected ISD | 02/28/2029 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Jaguar 230 kV GIS Replacement

The Blount – Hoechst and Hoechst – Port Hudson 69 kV lines experience thermal loading after several different types of N-1-1's. This projects alleviates those issues by replacing the old Jaguar GIS bus with an open air bus as well as separating both relays and trip coils.

**MTEP26 (Thermal/Voltage) Violations**

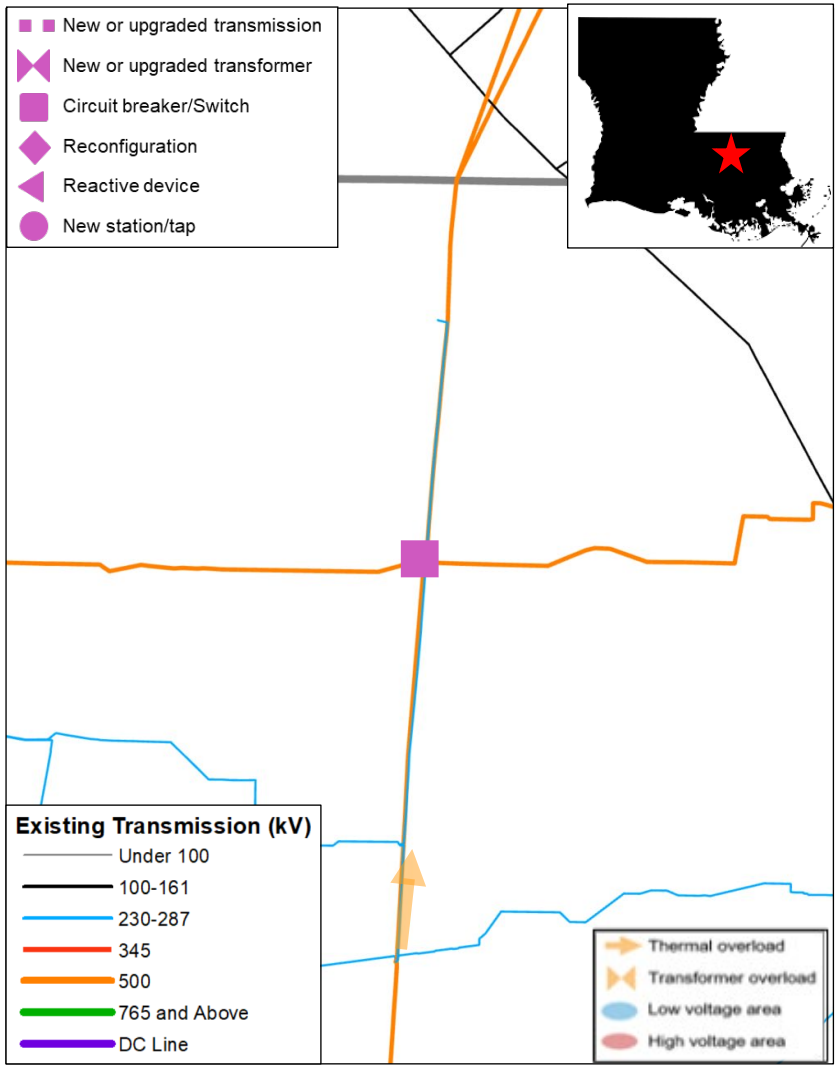
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | Port Hudson to Hoechst 69kV | 105 | 60 |
| N-1-1 | Northdale to Capitol 69kV | 104 | 63 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for McKnight 500 kV GIS Replacement




| MTEP Project ID | 50940 |
|---|---|
| Project Name | McKnight 500 kV GIS Replacement |
| Project Type | BRP |
| Project Description | Replace current obsolete GIS bus with an open air 500 kV bus. |
| System Need | NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure. Most overloads are associated with loss of sections involving McKnight to Coly 500 kV and Franklin to McKnight 500 kV lines. |
| Current Cost | $59.7 M |
| Expected ISD | 12/31/2027 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for McKnight 500 kV GIS Replacement

The Coly - Moler 230kV and Ventress - Waterloo 230kV lines experience thermal overloads due to a series of N-1-1's. This project alleviates these issues by replacing the old McKnight GIS bus with a more readily available GIS bus.

**MTEP26 (Thermal/Voltage) Violations**

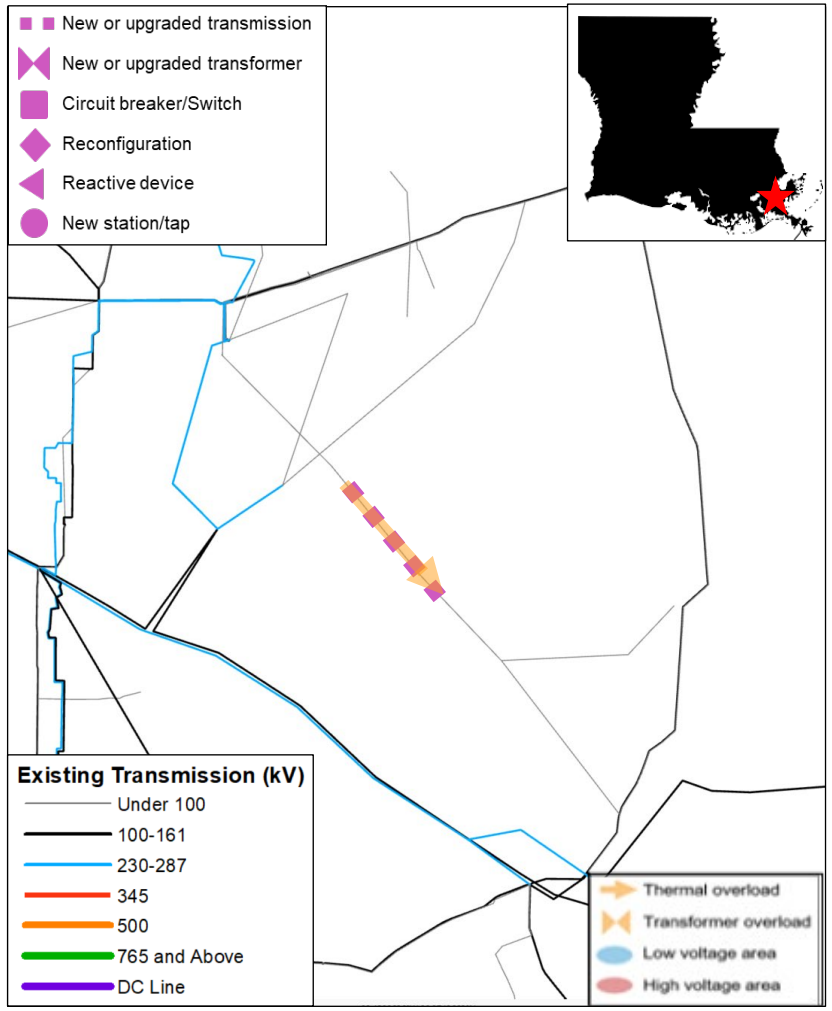
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | Coly to Moler 230kV Line | 102 | 39 |
| N-1-1 | Ventress to Waterloo 230kV Line | 100 | 49 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Holiday to Billeaud 69 kV Upgrade




| MTEP Project ID | 50942 |
|---|---|
| Project Name | Holiday to Billeaud 69 kV Upgrade |
| Project Type | BRP |
| Project Description | Upgrade Holiday to Billeaud 69 kV line. |
| System Need | NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P2 for the loss of a 138 kV substation causes a thermal violation on the Billeaud – Holiday 69 kV line |
| Current Cost | $8.0 M |
| Expected ISD | 12/15/2030 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Holiday to Billeaud 69 kV Upgrade

The Billeaud – Holiday 69 kV line experiences thermal overloads after several different types of contingencies (n-1 and n-1-1). This project alleviates those issues by increasing the rating of the Billeaud – Holiday 69 kV line with a line upgrade.

**MTEP26 (Thermal/Voltage) Violations**

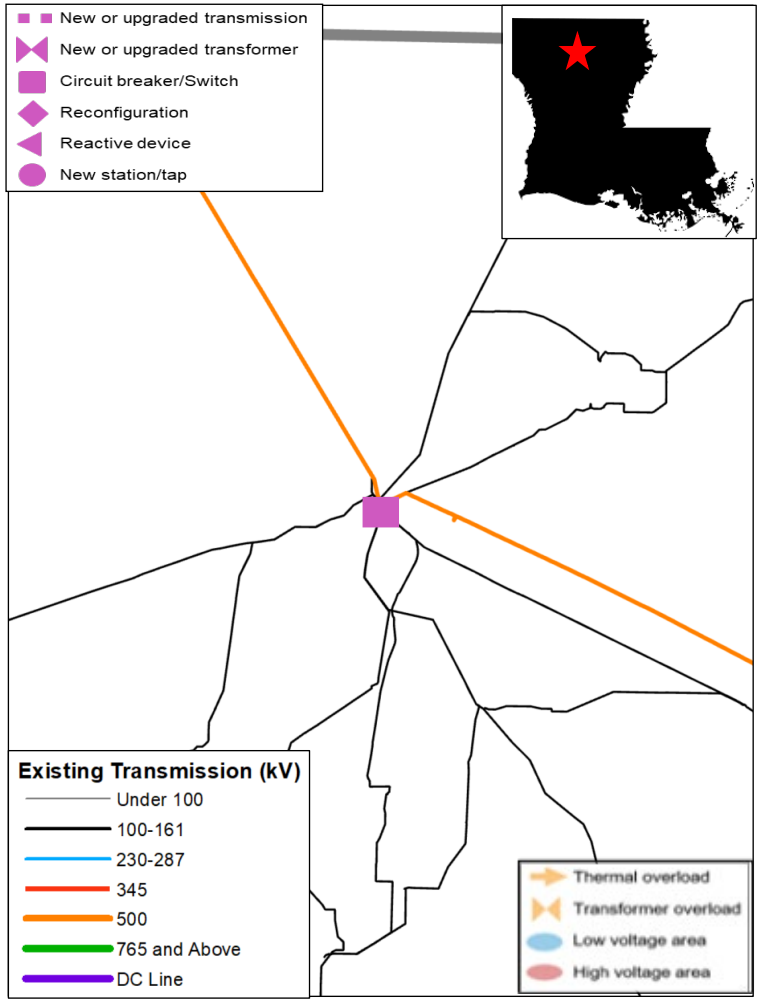
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | 2BILLEAUD! to 2HOLIDAY 69kV Line | 114 | 74 |
| N-1-1 | 2BILLEAUD! to 2HOLIDAY 69kV Line | 126 | 74 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project Details for Sterlington 500 kV GIS Replacement




| MTEP Project ID | 50945 |
|---|---|
| Project Name | Sterlington 500 kV GIS Replacement |
| Project Type | BRP |
| Project Description | Replace the Sterlington 500 kV GIS with open air station. |
| System Need | NERC TPL-001-5 Reliability Standards and Entergy's Planning Guidelines and Criteria. Following the loss of equipment that was determined to potentially be unavailable for one year or more, the Spare Equipment analysis (TPL-001-5 R2.1.5) revealed violations that could not be mitigated by redispatch or reconfigure.<br>• Sterlington Bus tie section of bus failure<br>-Sterlington 500-115 kV Auto 3 FTLO Sterlington to Cargas 500 kV Ckt 1 or Cargas 500 kV Breaker Failure (Mt Olive to Cargas, Sterlington to Cargas)<br>• Sterlington to Ouachita 500 kV bus section failure<br>-Beaver Creek 138-115 kV Auto for a bus fault at Montgomery 230 kV (2030W)<br>• Sterlington to Cargas 500 kV bus section failure<br>-Walnut Grove to Sterlington 115 kV Ckt 1 or 2(2030W) for a breaker failure at Cargas (Mt Olive to Cargas, Sterlington to Cargas)<br>-Sterlington 500-115 kV AT1 for Sterlington breaker failure (Sterlington 500-115 kV AT3, Sterlington to Cargas Ckt2<br>-Sterlington 500-115 kV AT2 for Sterlington Breaker failure (Sterlington 500-115 kV AT1, Sterlington 500 kV bus tie)<br>-Sterlington to Drew 115 kV for Sterlington Breaker failure (Sterlington 500-115 kV AT1, Sterlington 500 kV bus tie)<br>• Sterlington 500-115 kV AT2 bus failure<br>-Minden to Sarepta for Mt Olive breaker failure (Mt Olive 500-230 kV, Mt Olive to Layfield) (2030W) |
| Current Cost | $75.2 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Sterlington 500 kV GIS Replacement

The Minden - Sarepta and Standard - Winnfield 115kV lines experince thermal overloads due to a couple of different N-1-1's. This project alleviates these issues by replacing the old Sterlington GIS bus with an open air bus.

**MTEP26 (Thermal/Voltage) Violations**

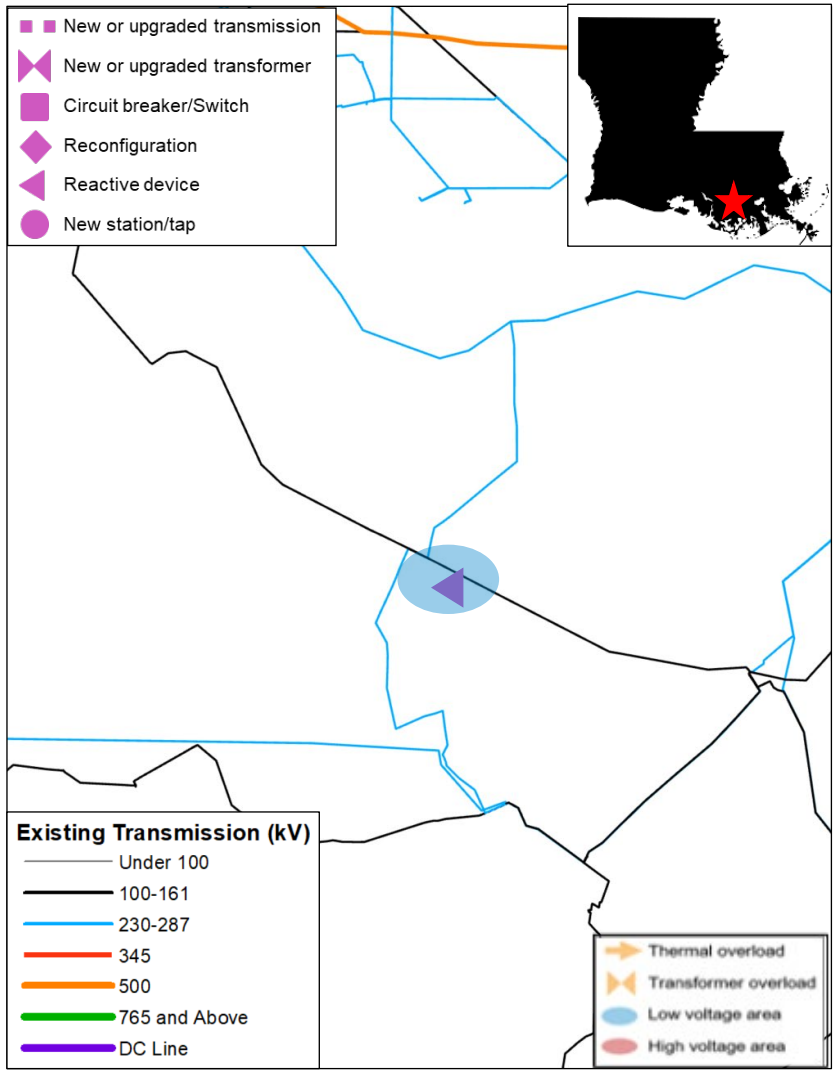
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | STANDARD to WINNFIELD 115kV Line | 116 | 42 |
| N-1-1 | MINDEN to SAREPTA 115kV Line | 103 | 54 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Thibodaux 230 kV Reactive Support




| MTEP Project ID | 50946 |
|---|---|
| Project Name | Thibodaux 230 kV Reactive Support |
| Project Type | BRP |
| Project Description | Install a 61.1 MVAR Capacitor bank at Thibodaux 230 kV station |
| System Need | NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P6 causes voltage violations at J1542, Thibodaux, Schriever, and Chackbay 230 kV stations |
| Current Cost | $3.8 M |
| Expected ISD | 05/01/2029 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Thibodaux 230 kV Reactive Support

The J1542, Thibodaux, Schriever, and Chackbay 230 kV stations experience low voltage issues due to some N-1-1's scenarios. This project alleviates issues by adding a 61.1MVar capacitor at the Thibodaux 230kV station.

**MTEP26 (Thermal/Voltage) Violations**

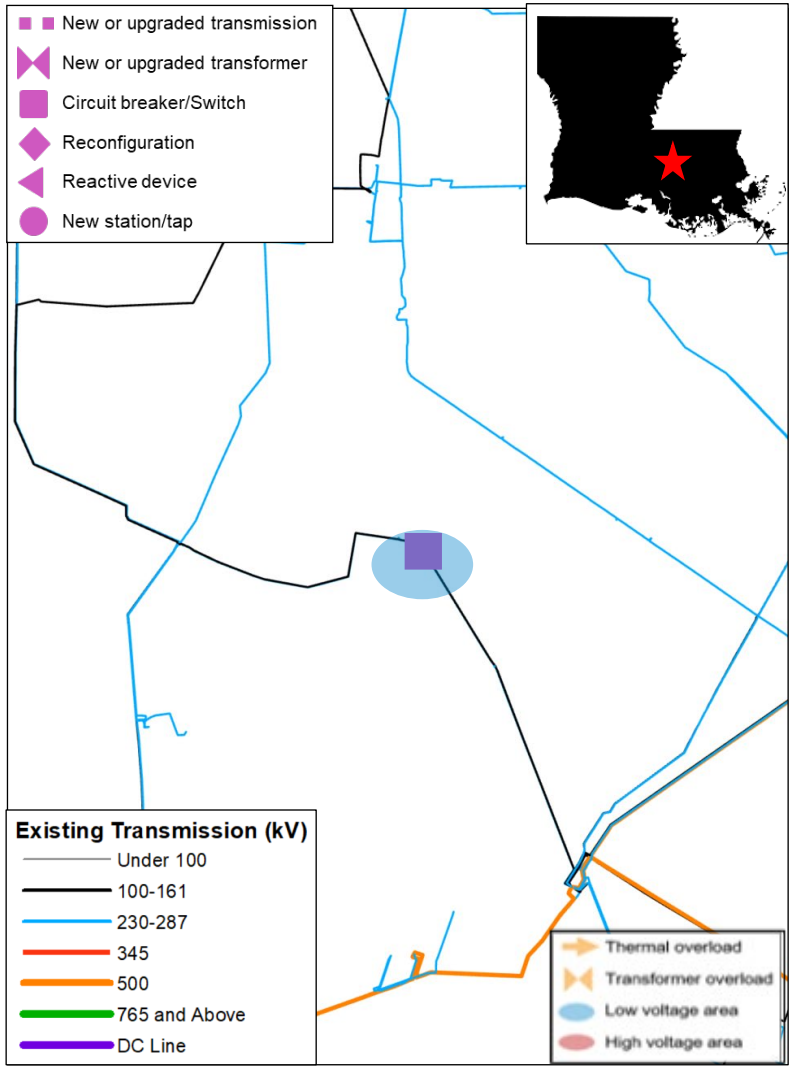
| Cont. Type | Limiting Element | Pre-project (post-cont.) Voltage (pU) | Post-project (post-cont.) Voltage (pU) |
|---|---|---|---|
| N-1-1 | THIBODAUX 230kV BUS | 0.91 | 0.99 |
| N-1-1 | SCHRIEVER 230kV BUS | 0.91 | 1.0 |
| N-1-1 | J1542 230kV Bus | 0.91 | 0.99 |
| N-1-1 | Chackbay 230kV Bus | 0.91 | 0.99 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project Details for Tiger 230 kV SPOF




| MTEP Project ID | 50947 |
|---|---|
| Project Name | Tiger 230 kV SPOF |
| Project Type | BRP |
| Project Description | Install a second battery bank at Tiger 230 kV station. The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay. The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets. The DC panels cannot be wired in series or in parallel to one another. |
| System Need | NERC TPL-001 Reliability Standards and Entergy's Planning Guidelines. P5 non-redundant bus differential relay failure on the Tiger 230 kV bus will cause thermal overloads on the Essen Tap – Westdale, Essen Tap – Tiger, Westdale – East, East – Belfair, Belfair – Northdale, Northdale – Capitol, Capitol – LA Station North, Jefferson – Drusilla, and Drusilla – Harelson 69 kV lines. Also, this contingency will cause voltage violations at the Broussard, Julia, and Beauregard 69 kV substations. |
| Current Cost | $2.9 M |
| Expected ISD | 09/14/2028 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Tiger 230 kV SPOF

The Essen Tap – Westdale and Essen Tap – Tiger experience thermal overloads due to a couple of N-1 scenarios. This project alleviates these issues by separating two bus relays and trip coils.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | ESSEN TAP to WESTDALE 69kV Line | 133 | 26 |
| N-1 | ESSEN TAP to TIGER 69kV Line | 109 | 54 |

Preliminary Recommendation: Move to Appendix A



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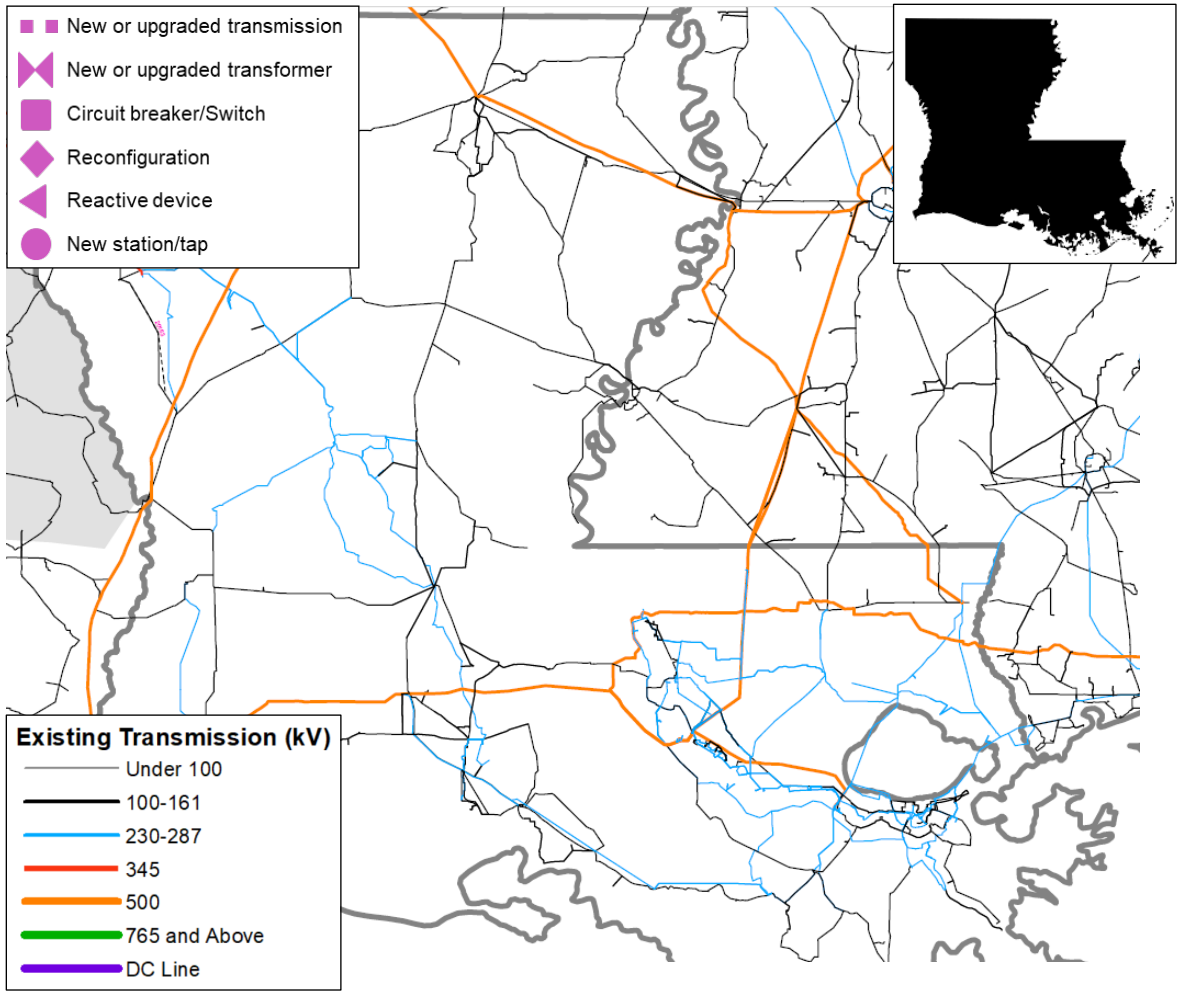
# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **50713** | **Mount Olive to Cargas 500 kV Project and Load Addition** | **12/31/2028** | **$270.5 M** |
| **51264** | **El Dorado to Smalling 500 kV Project** | **01/01/2031** | **$900 M** |
| 50934 | Carlyss 230 kV SPOF | 06/01/2028 | $0.7 M |
| 50936 | Carlyss 230-138 kV Autotransformer Upgrade | 12/15/2030 | $19.5 M |
| 50937 | Coly 500 kV GIS Bus replacement | 06/01/2029 | $75.7 M |
| 50939 | Jaguar 230 kV GIS Replacement | 02/28/2029 | $37.6 M |
| 50940 | McKnight 500 kV GIS Replacement | 12/31/2027 | $59.7 M |
| 50942 | Holiday to Billeaud 69 kV Upgrade | 12/15/2030 | $8.0 M |
| 50945 | Sterlington 500 kV GIS Replacement | 06/01/2030 | $75.2 M |
| 50946 | Thibodaux 230 kV Reactive Support | 05/01/2029 | $3.8 M |
| 50947 | Tiger 230 kV SPOF | 09/14/2028 | $2.9 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

# Other, Age and Condition Highlight Details for 2027 ELL Asset Renewal

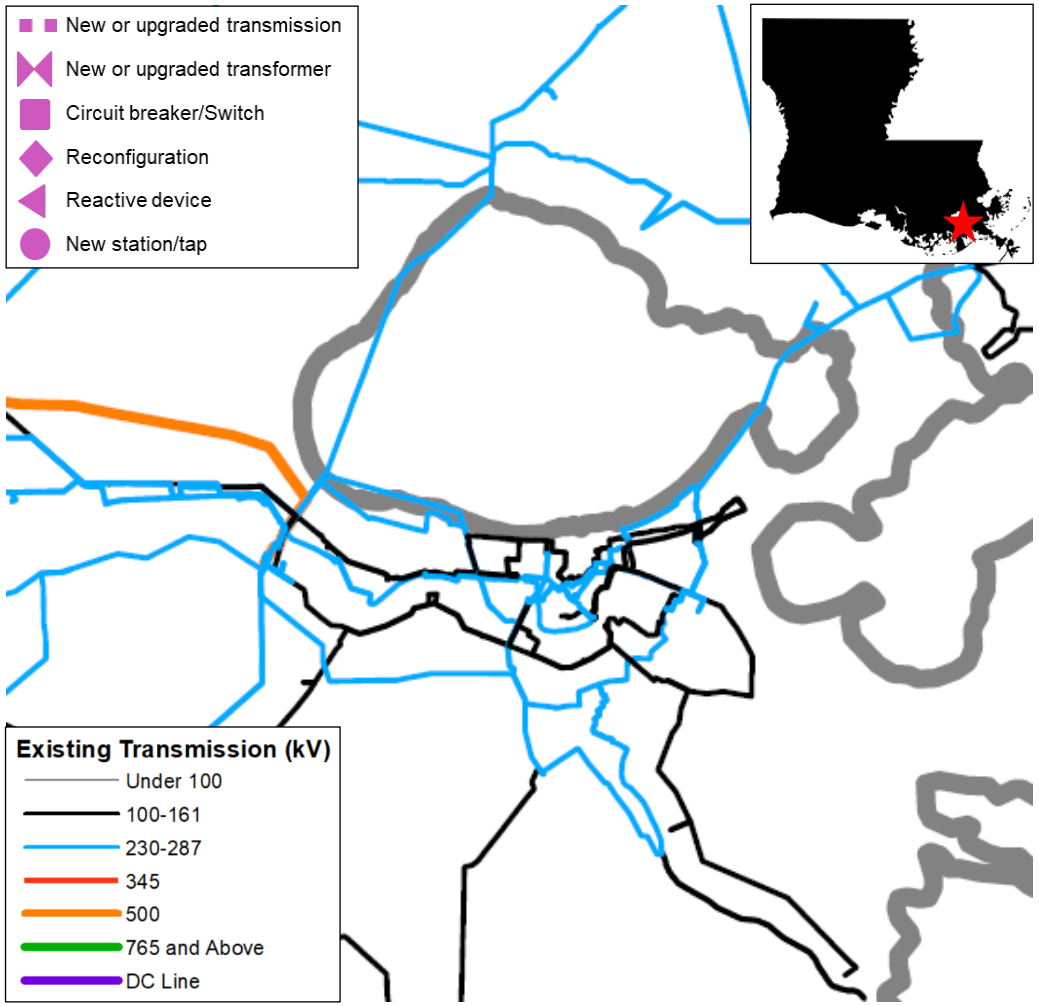



| MTEP Project ID | 50929 |
|---|---|
| Project Name | 2027 ELL Asset Renewal |
| Project Type | Other |
| Other Type | Age and Condition |
| Project Description | This project is for the ELL Asset Renewal Program that will be executed in 2027 |
| System Need | Address aging and failing equipment such as structures, breakers, relay panels, RTU's, arresters, circuit switchers, etc |
| Current Cost | $84.0 M |
| Expected ISD | 12/31/2027 |
| Target Appendix | A |



Unlabeled

# Other, Age and Condition Highlight
# Details for 2027 Entergy New Orleans Asset Renewal

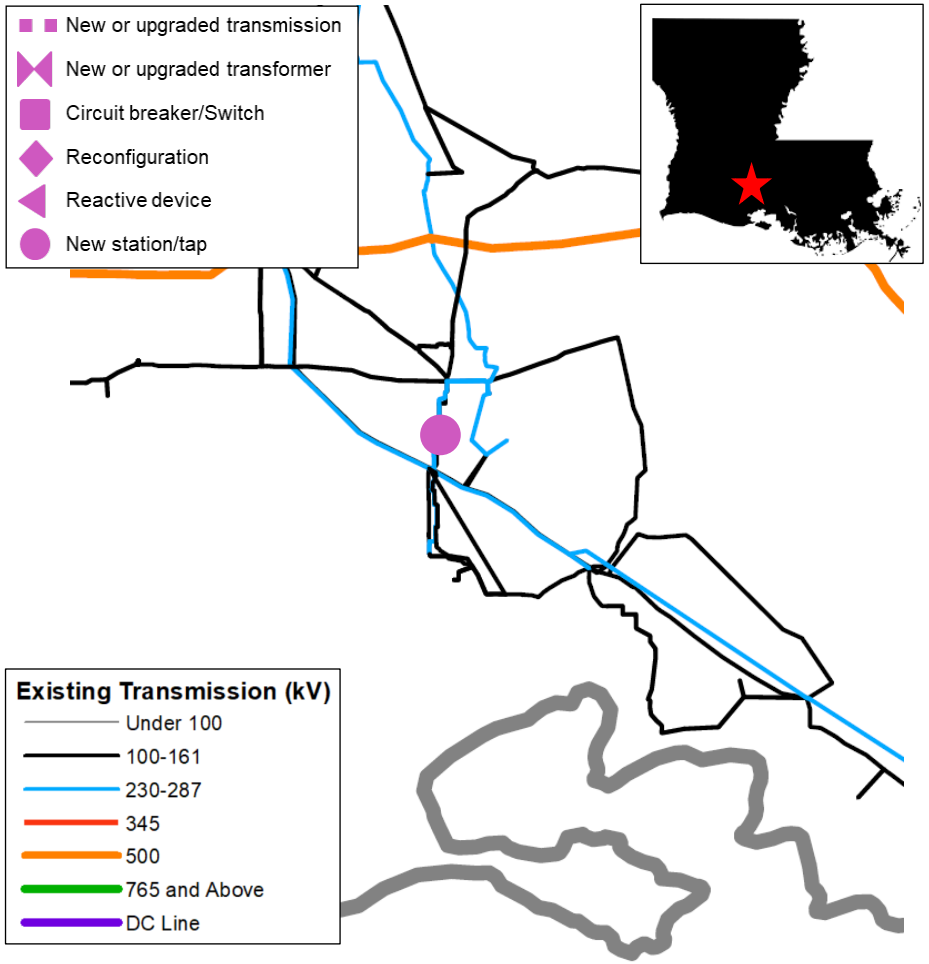



| MTEP Project ID | 50931 |
|---|---|
| Project Name | 2027 Entergy New Orleans Asset Renewal |
| Project Type | Other |
| Other Type | Age and Condition |
| Project Description | This project is for the ENOL Asset Renewal Program that will be executed in 2027 |
| System Need | Address aging and failing equipment such as structures, breakers, relay panels, RTU's, arresters, circuit switchers, etc |
| Current Cost | $8.3 M |
| Expected ISD | 12/31/2027 |
| Target Appendix | A |



Unlabeled

# Other, Load Growth Highlight
# Details for SLEMCO Dassas (Scott Area) 138 kV Station




| MTEP Project ID | 50944 |
|---|---|
| Project Name | SLEMCO Dassas (Scott Area) 138 kV Station |
| Project Type | Other |
| Other Type | Load Growth |
| Project Description | New 138 kV substation cut into the Scott to Judice 138 kV line, including breakers. |
| System Need | SLEMCO has requested a new delivery point due to residential/commercial load growth near Scott, LA. |
| Current Cost | $10.9 M |
| Expected ISD | 10/15/2028 |
| Target Appendix | A |



Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50740 | Indian Bayou 230 kV Station | Load Growth | 09/01/2027 | $68.1 M |
| 50744 | Juban Trails (DEMCO) 230 kV Station | Load Growth | 09/01/2027 | $55.0 M |
| 50779 | Riddle 230 kV Station and Line Upgrade | Load Growth | 06/01/2026 | $27.7 M |
| 50929 | 2027 ELL Asset Renewal | Age and Condition | 12/31/2027 | $84.0 M |
| 50931 | 2027 Entergy New Orleans Asset Renewal | Age and Condition | 12/31/2027 | $8.3 M |
| 50944 | SLEMCO Dassas (Scott Area) 138 kV Station | Load Growth | 10/15/2028 | $10.9 M |
| **51262** | **West Fork Creek 500-230 kV Station** | **Load Growth** | **08/01/2030** | **$1100.0 M** |
| **51263** | **West Fork Creek to St Landry 500 kV Project** | **Local Reliability** | **12/01/2031** | **$1487.0 M** |
| **51301** | **Crown 230 kV Station - Jeff Davis Electric Co-op, Inc.** | **Local Needs** | **09/30/2026** | **$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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51311 | DEMCO Juban Trails 500-230 kV Station | Load Growth | 03/31/2029 | $0.1 M |
| 51352 | Midbend 230 kV Station | Load Growth | 11/01/2026 | $28.0 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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51111 | J1851 115 kV Interconnection on Beekman to Crossett North 115 kV | 11/15/2026 | $5.5 M |
| 51118 | J1870 GIA Interconnection at Independence 230 kV | 05/21/2028 | $11.8 M |
| 51125 | E0014 GIA at Smalling 230 kV | 08/04/2028 | $14.0 M |
| 51170 | J2228 115 kV Interconnection at Red Gum 115 kV | 03/15/2028 | $7.5 M |
| 51171 | J1904 138 kV Interconnection at Richard 138 kV | 11/08/2028 | $7.7 M |
| 51172 | J2292 230 kV Interconnection at Goos Ferry 230 kV | 09/01/2027 | $0.1 M |
| 51173 | J2302 New 500 kV Switching stationPoint of Interconnection | 10/11/2027 | $64.0 M |
| 51187 | J2317 115 kV interconnection on Sterlington - Bastrop 115 kV | 11/01/2027 | $13.9 M |
| 51200 | J2249 GIA at Bayou Cove 138 kV | 11/14/2027 | $17.0 M |
| 51327 | E0029 GIA Interconnection at Waterford 500 kV | 08/04/2028 | $17.3 M |



Unlabeled

# 1803 Electric Cooperative, Inc.

# 1803 ELECTRIC COOPERATIVE, INC.

## MTEP26 Projects

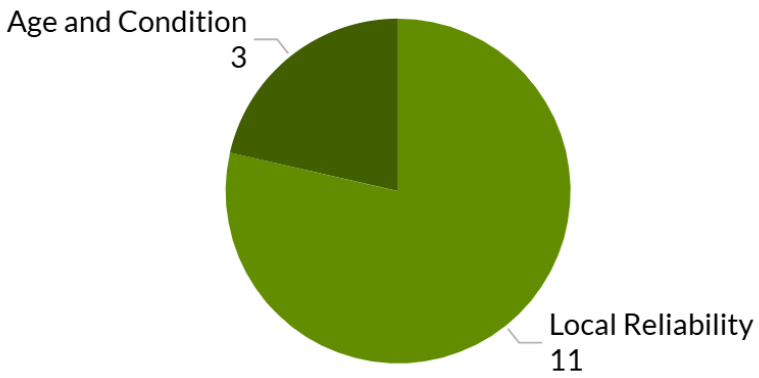



**14**
Total Projects

**$155M**
Investment

### Breakdown of Other Project Types

By Project Count

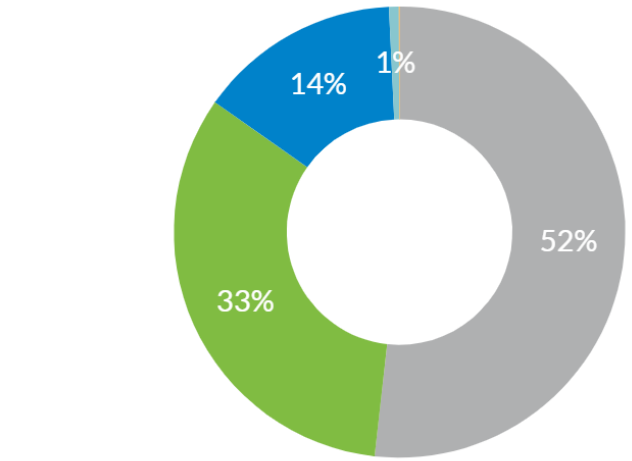



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



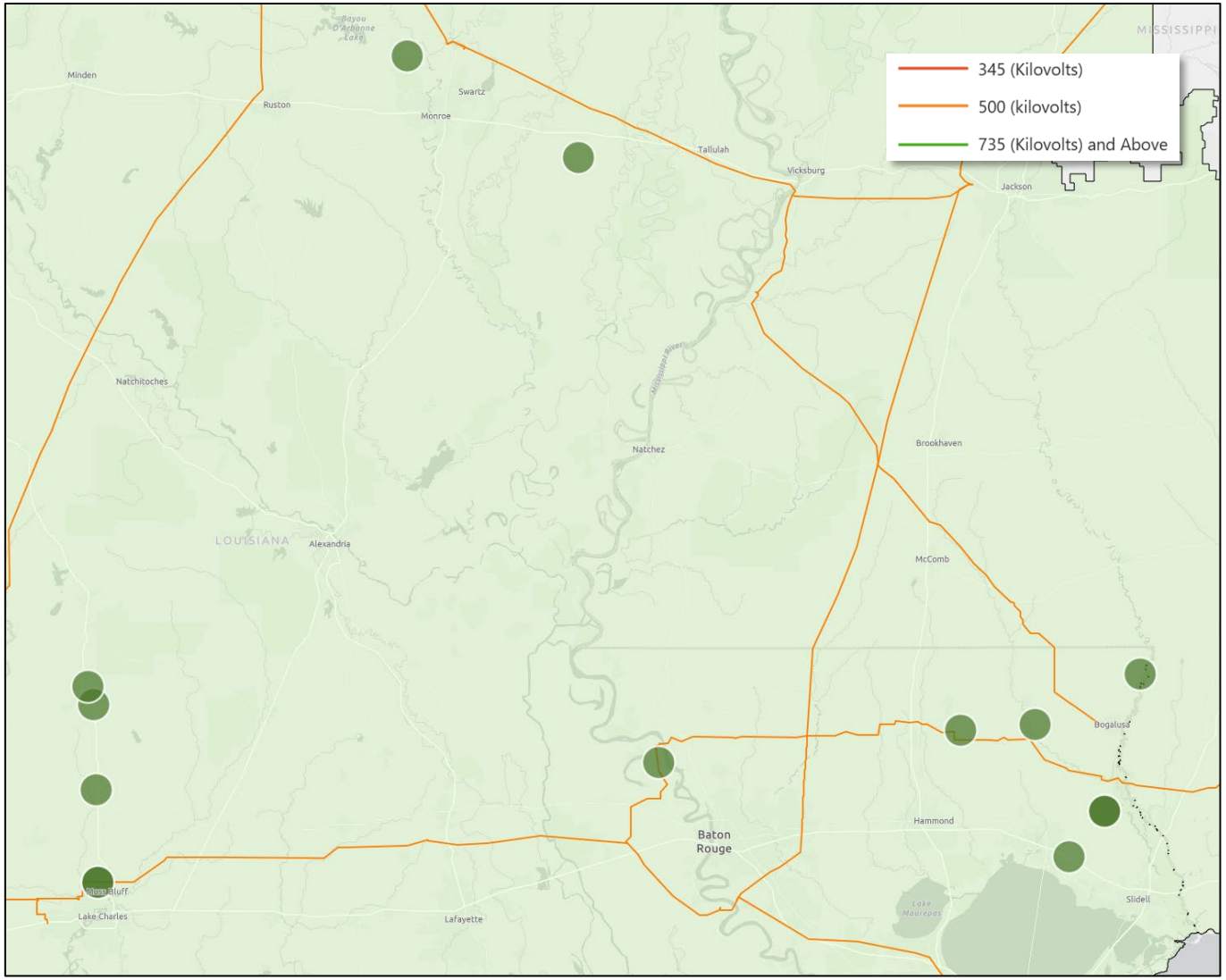
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# 1803 MTEP26 Project Type Breakdown

## 1803 ELECTRIC COOPERATIVE, INC.

MTEP26 Summary

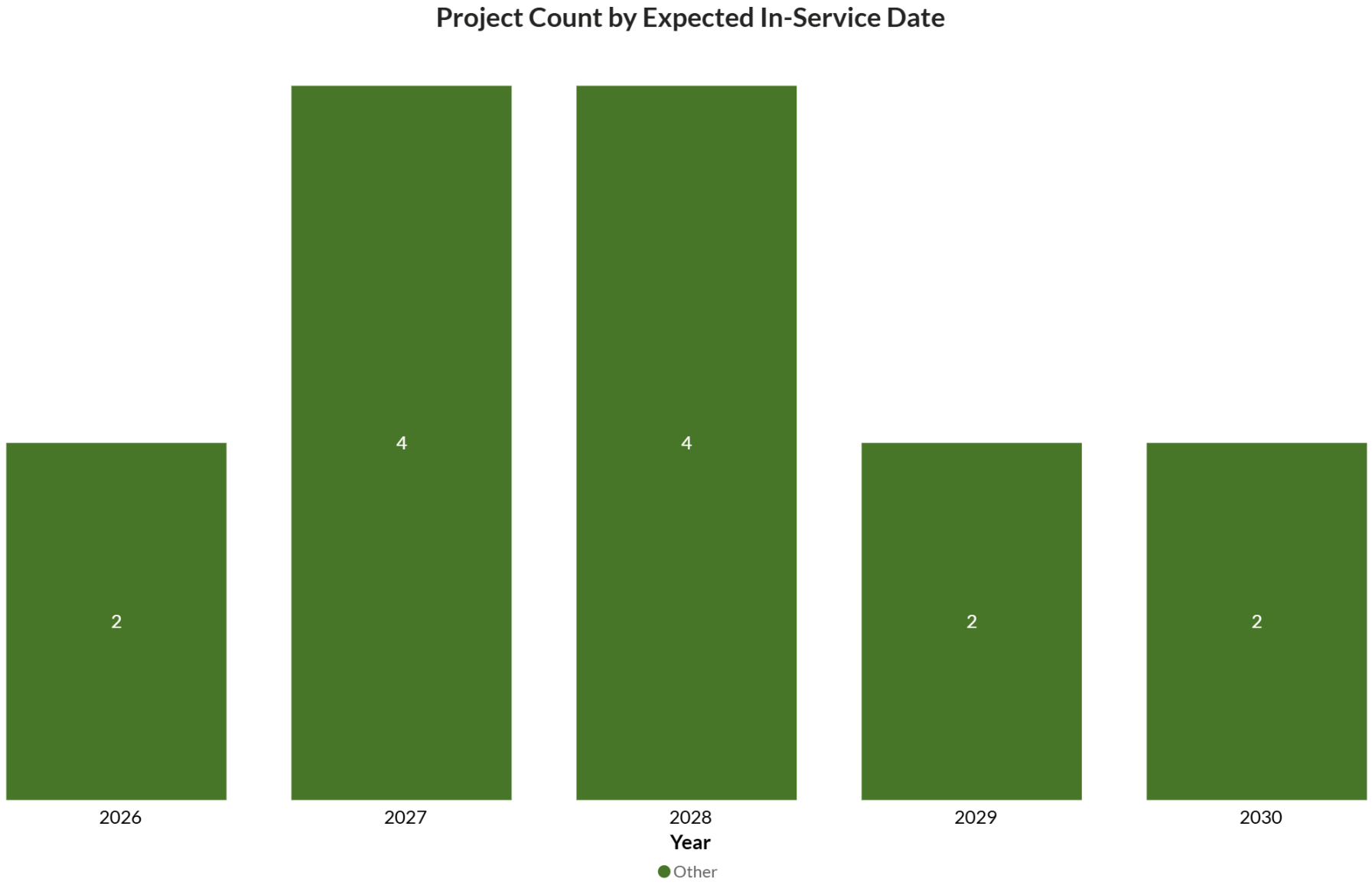
| | |
|---|---|
| GIP | [redacted] |
| BRP | |
| Other | 14 |




Project information as of 5/15/26.

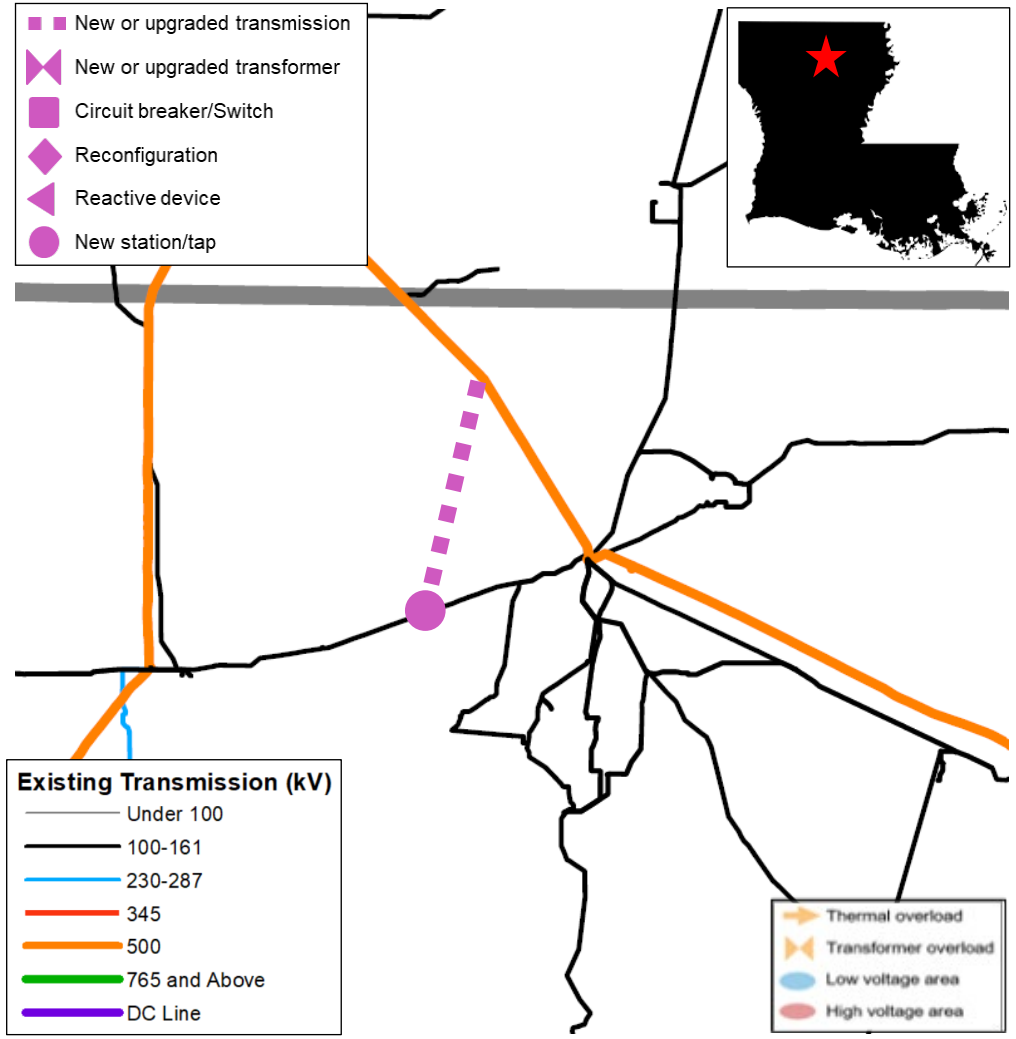
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# 1803 MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other, Local Reliability Highlight Details for ROCKY BRANCH TO MARION 115KV LOOP

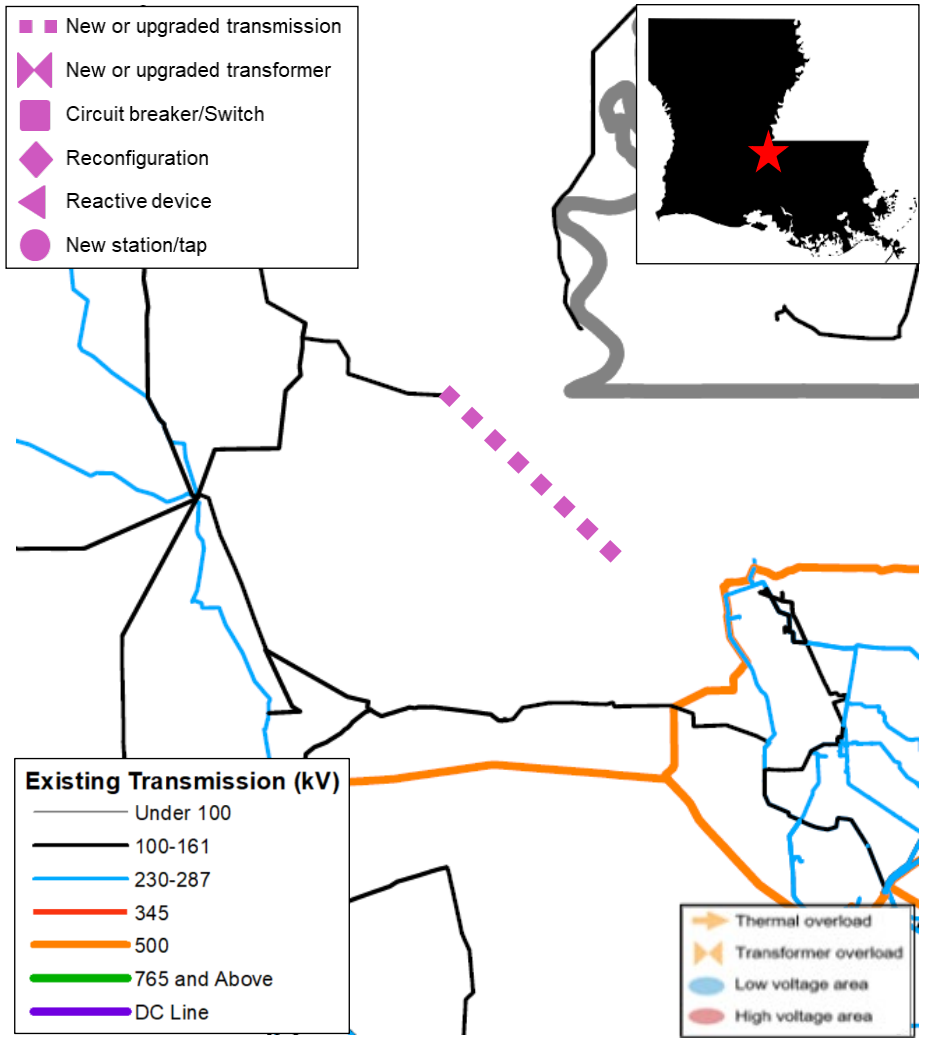



| MTEP Project ID | 51071 |
|---|---|
| Project Name | ROCKY BRANCH TO MARION 115KV LOOP |
| Project Type | Other |
| Other Type | Local Reliability |
| Project Description | ENGINEER, PROCURE, AND CONSTRUCT A NEW 115KV TRANSMISSION LINE FROM THE NEW ROCKY BRANCH 115KV SWITCHING STATION TO THE EXISTING FARMERVILLE RURAL SUBSTATION. CONVERT THE EXISTING 69KV RADIAL LINE FROM FARMERVILLE CITY TO THE MARION 115/69KV SUBSTATION TO 115KV. NOTE, THIS PROJECT ASSUMES THAT CLAIBORNE'S NEW LINE SEGMENT FROM FARMERVILLE RURAL TO FARMERVILLE CITY IS CONSTRUCTED AT 115KV INSULATION. |
| System Need | THE AMOUNT OF LOAD ON THE ASSOCIATED RADIAL LINES EXCEED THE PERMISSIBLE MW-MI LMIIT IN THE 1803 LOCAL PLANNING CRITERIA. AN 1803/LAGT/CLAIBORNE 115KV LOOP FROM ROCKY CREEK TO MARION REDUCES THE RADIAL EXPOSURE TO THE FOLLOWING STATIONS: MARION, EAST FARMERVILLE, AND FARMERVILLE RURAL. |
| Current Cost | $51.6 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |



Unlabeled

# Other, Local Reliability Highlight
# Details for 1803/LAGT WATERLOO TO CLECO YELLOW BAYOU TRANSMISSION LOOP

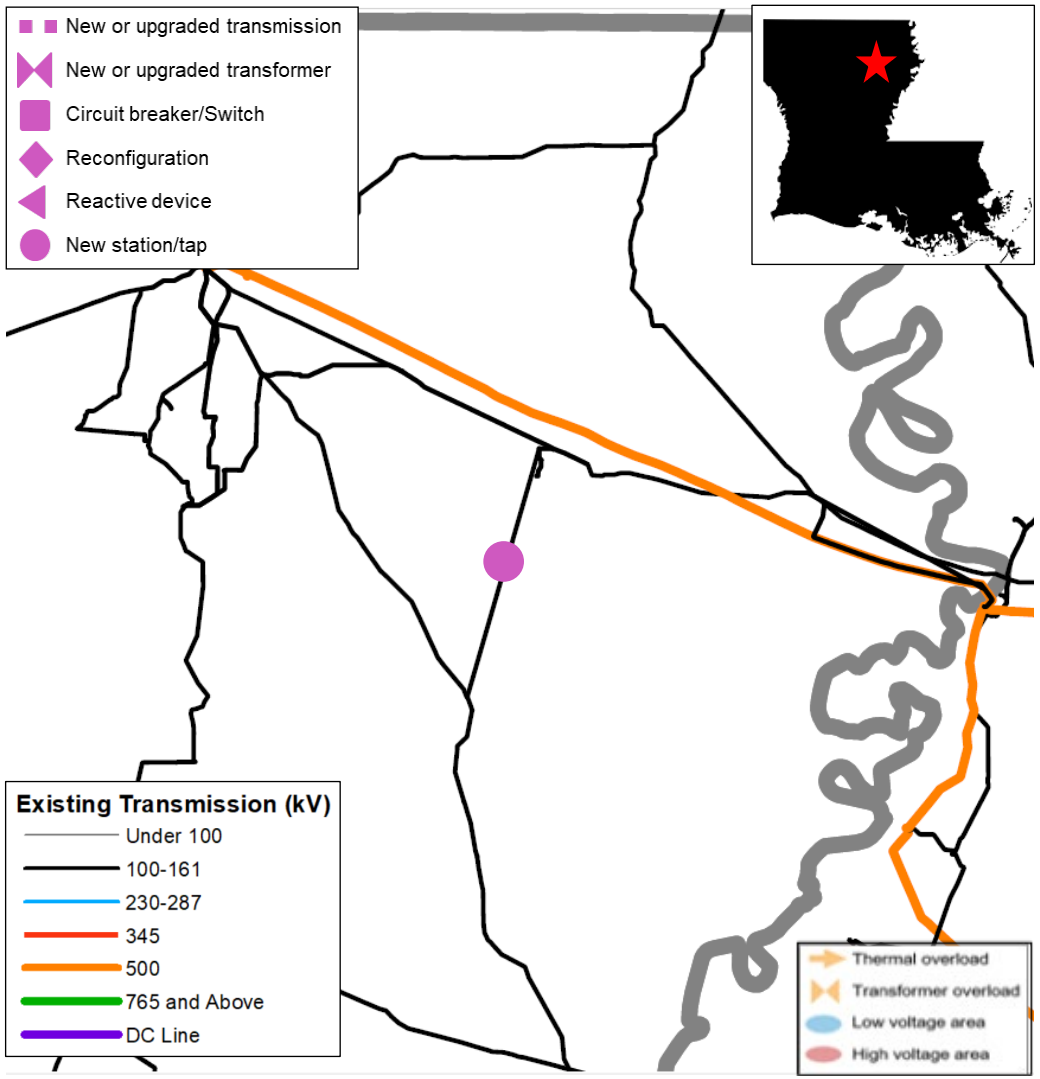



| MTEP Project ID | 51073 |
|---|---|
| Project Name | 1803/LAGT WATERLOO TO CLECO YELLOW BAYOU TRANSMISSION LOOP |
| Project Type | Other |
| Other Type | Local Reliability |
| Project Description | ENGINEER, PROCURE, AND CONSTRUCT A NEW 138KV TRANSMISSION LINE FROM THE NEW 1803/LAGT QUINTON 138/69KV SUBSTATION TO THE EXISTING CLECO YELLOW BAYOU SUBSTATION. |
| System Need | THE AMOUNT OF LOAD ON THE ASSOCIATED RADIAL LINES EXCEED THE PERMISSIBLE MW-MI LMIIT IN THE 1803 LOCAL PLANNING CRITERIA. AN 1803/LAGT/PCE WATERLOO TO CLECO YELLOW BAYOU LOOP REDUCES THE RADIAL EXPOSURE TO: NEW ROADS, MORGANZA, NANYA, QUINTON, AND SIMMESPORT. |
| Current Cost | $47.5 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |



Unlabeled

# Other, Local Reliability Highlight
# Details for 1803/LAGT/NELPCO PINEY WOODS SUBSTATION




| MTEP Project ID | 51080 |
|---|---|
| Project Name | 1803/LAGT/NELPCO PINEY WOODS SUBSTATION |
| Project Type | Other |
| Other Type | Local Reliability |
| Project Description | ENGINEER, PROCURE, AND CONSTRUCT THE 115KV HIGH SIDE OF A NEW NELPCO 115KV METERING POINT ON THE EXISTING ENTERGY BAYOU MACON TO WINNSBORO 115KV LINE. |
| System Need | THIS PROJECT REDUCES THE LOADING OF THE 1803/LAGT/NELPCO ARCHIBALD AND DELHI MEDIUM VOLTAGE METERING POINTS THAT ARE CURRENTLY AT CAPACITY. |
| Current Cost | $5.1 M |
| Expected ISD | 06/01/2029 |
| Target Appendix | A |

Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50746 | 1803 - 2025 Age and Condition Program | Age and Condition | 12/31/2026 | $0.7 M |
| 51058 | 1803 - 2026 Age and Condition Program | Age and Condition | 12/31/2026 | $6.1 M |
| 51059 | 1803 - 2027 Age and Condition Program | Age and Condition | 12/31/2027 | $9.8 M |
| 51063 | ANGIE 230/69KV SUBSTATION - 230KV LINE BREAKER ADDITIONS | Local Reliability | 12/31/2027 | $1.9 M |
| 51064 | HOLTON 115/69KV SUBSTATION - 115KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION | Local Reliability | 06/01/2028 | $2.9 M |
| 51065 | TALISHEEK 230KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION | Local Reliability | 06/01/2029 | $4.6 M |
| 51066 | MOSS BLUFF TO LONGVILLE 69KV LOOP | Local Reliability | 12/31/2027 | $0.7 M |
| 51067 | LONGVILLE TO DERIDDER 69KV LOOP | Local Reliability | 12/31/2027 | $0.9 M |
| 51068 | DERIDDER TO EAST LEESVILLE 69KV LOOP | Local Reliability | 06/01/2028 | $1.4 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51069 | DERIDDER TO LUDINGTON 69KV REBUILD | Local Reliability | 06/01/2028 | $5.2 M |
| **51070** | **EAST MANDEVILLE 230/69KV SUBSTATION** | **Local Reliability** | **12/01/2028** | **$16.9 M** |
| 51071 | ROCKY BRANCH TO MARION 115KV LOOP | Local Reliability | 06/01/2030 | $51.6 M |
| 51073 | 1803/LAGT WATERLOO TO CLECO YELLOW BAYOU TRANSMISSION LOOP | Local Reliability | 06/01/2030 | $47.5 M |
| 51080 | 1803/LAGT/NELPCO PINEY WOODS SUBSTATION | Local Reliability | 06/01/2029 | $5.1 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.

Unlabeled

# CLECO Power, LLC

# CLECO POWER LLC

## MTEP26 Projects

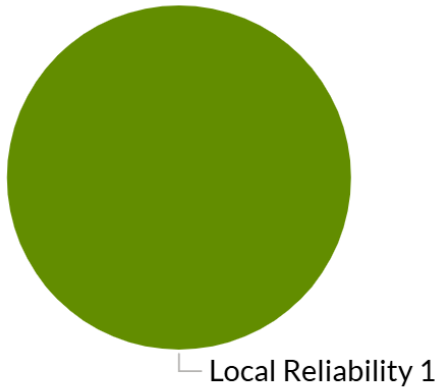



**2**
Total Projects

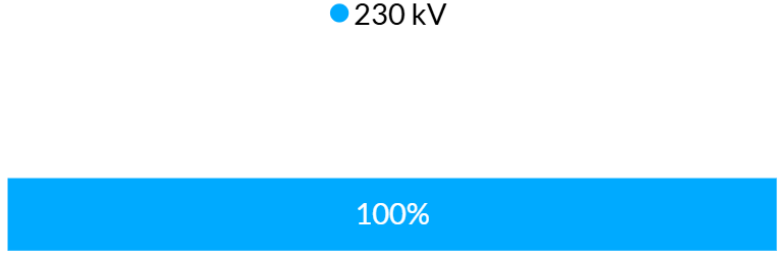
**$117M**
Investment

## Breakdown of Other Project Types

By Project Count

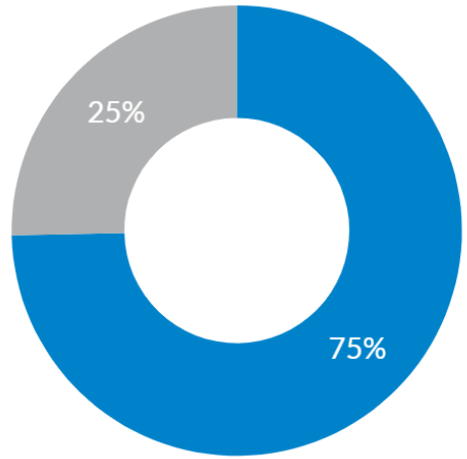



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

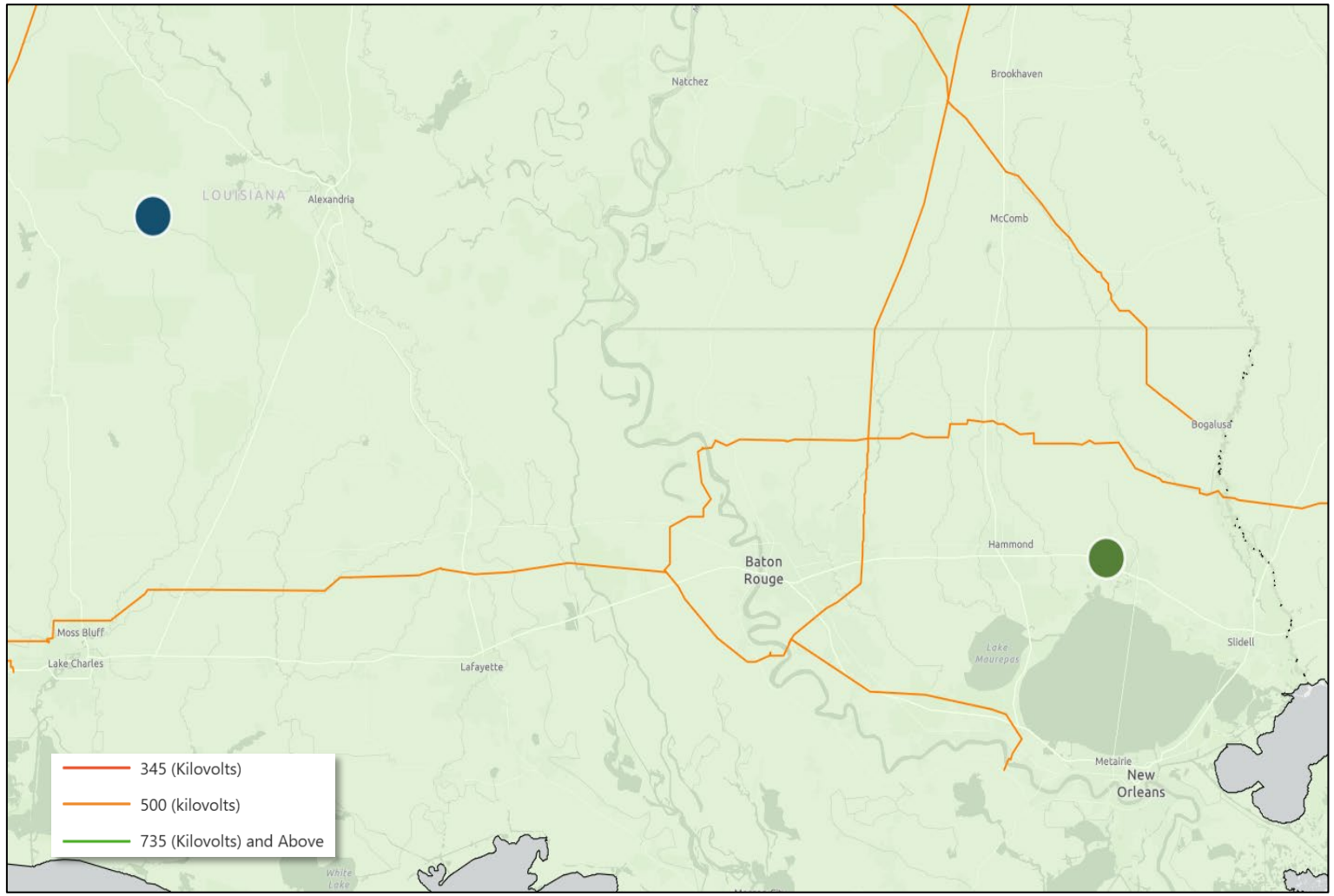
Unlabeled

# CLEC MTEP26 Project Type Breakdown

## CLECO POWER LLC

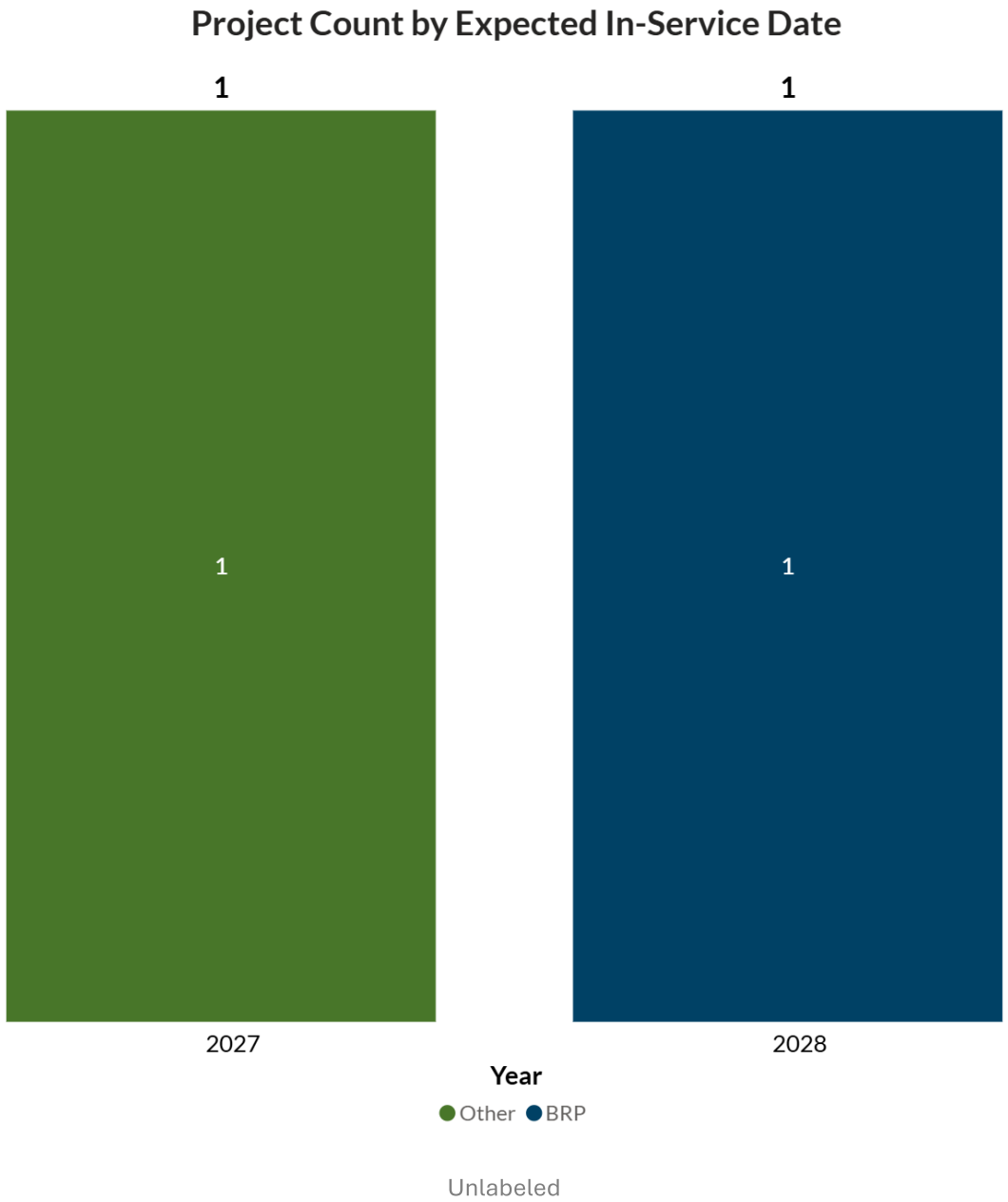
MTEP26 Summary

| | |
|---|---|
| GIP | (blank) |
| BRP | 1 |
| Other | 1 |

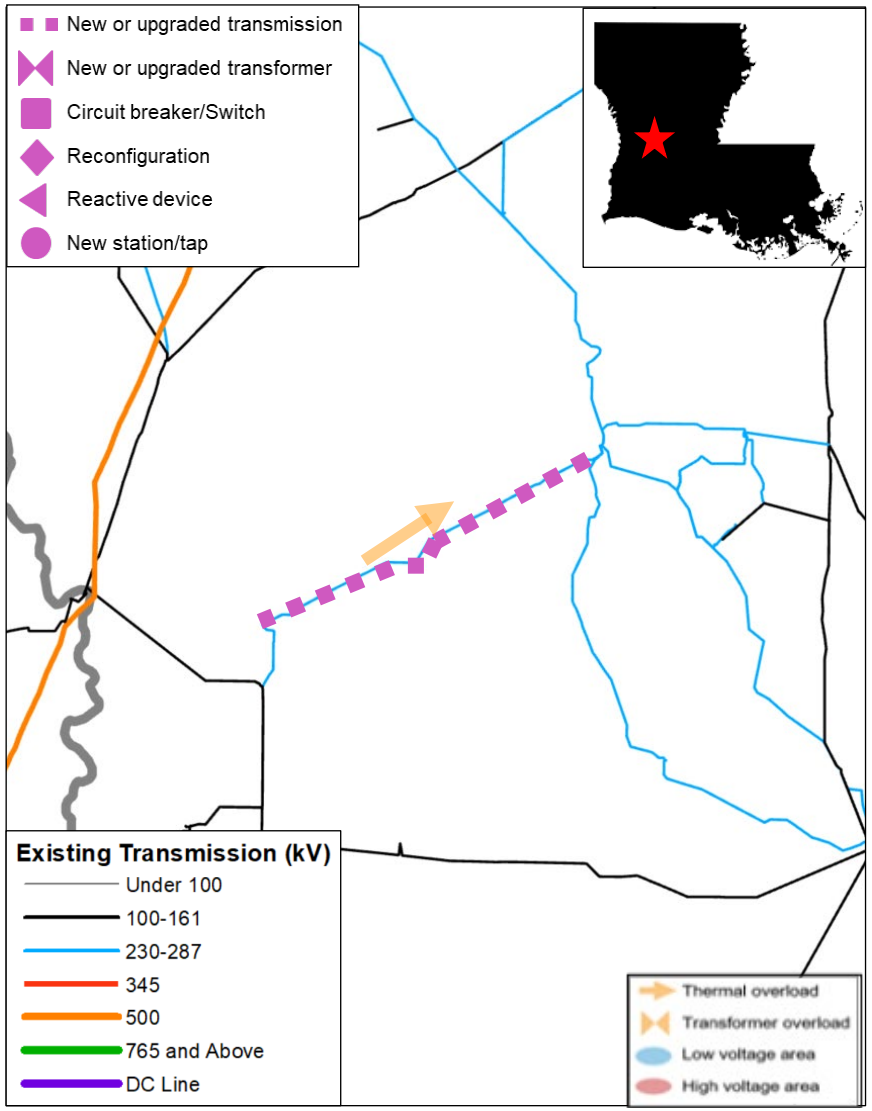



Unlabeled

# CLEC MTEP26 ISD Breakdown



# Baseline Reliability Project
# Details for Rebuild Rodemacher to East Leesville




| MTEP Project ID | 51182 |
|---|---|
| Project Name | Rebuild Rodemacher to East Leesville |
| Project Type | BRP |
| Project Description | Reconductor Rodemacher to East Leesville to increase the line rating to above 800 MVA. |
| System Need | 2025 MISO Deliverability study showed this line overloaded and requested mitigation. |
| Current Cost | $87.2 M |
| Expected ISD | 12/01/2028 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Rebuild Rodemacher to East Leesville

- The East Leesville to Rodemacher 230kV Line experiences thermal overloads due to several different types of contingencies (N-1 and N-1-1). This projects alleviates these issues but increasing the rating of the line with a line upgrade.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | EAST LEESVILLE to RODEMACHER 230 kV Line | 137 | 80 |
| N-1-1 | EAST LEESVILLE to RODEMACHER 230 kV Line | 135 | 80 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

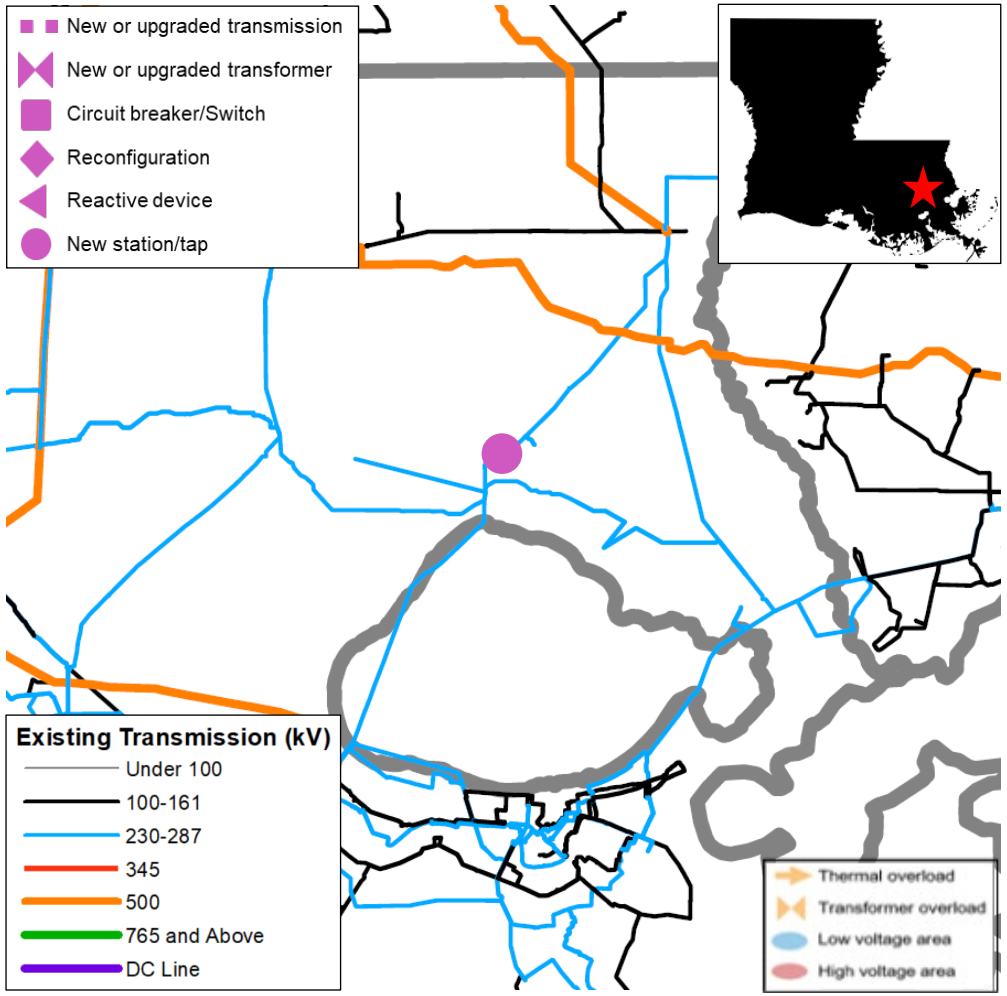
# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51182 | Rebuild Rodemacher to East Leesville | 12/01/2028 | $87.2 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

# Other, Local Reliability Highlight
# Details for West Covington Substation




| MTEP Project ID | 51256 |
|---|---|
| Project Name | West Covington Substation |
| Project Type | Other |
| Other Type | Local Reliability |
| Project Description | Add West Covington substation at Madisonville - Ramsey 230kV line tap 3.83 miles from Madisonville substation. |
| System Need | New West Covington substation will allow Cleco to fully backup the distribution circuits in the area and increase available capacity. |
| Current Cost | $29.6 M |
| Expected ISD | 06/01/2027 |
| Target Appendix | A |



Unlabeled

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51256 | West Covington Substation | Local Reliability | 06/01/2027 | $29.6 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.

Unlabeled

# Contacts

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Regional Coordinator
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Trevor Armstrong
Mgr – Expansion Planning South
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Unlabeled

# 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




# MTEP26 Project Information – Mississippi

## Entergy Mississippi, LLC (EML); Cooperative Energy

2nd South Subregional Planning Meeting

Wednesday, June 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



Unlabeled

# The details of the Mississippi projects and their costs per TO are shown below:

- Entergy Mississippi, LLC: 9 submitted projects at an estimated cost of $238 million
- Cooperative Energy: 1 submitted project at an estimated cost of $4 million


Unlabeled

# Entergy Mississippi, LLC



# Update on Current Cycle Projects since SPM1

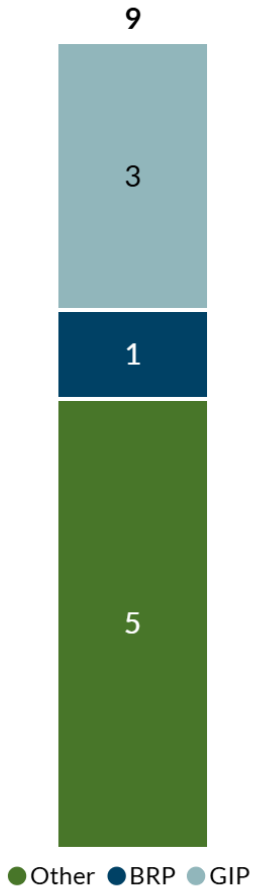
| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51203 | J2289/J2297 GIA at Indianola 230 kV | GIP | Project withdrawn |



Unlabeled

# ENTERGY MISSISSIPPI, LLC.

## MTEP26 Projects

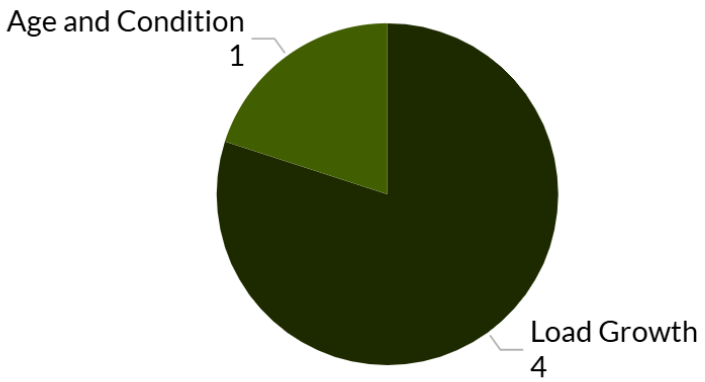



**9**
Total Projects

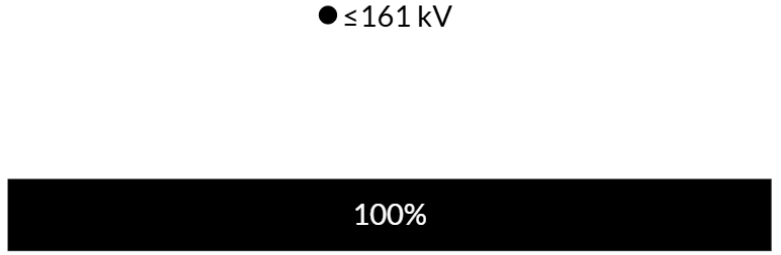
**$238M**
Investment

### Breakdown of Other Project Types

By Project Count

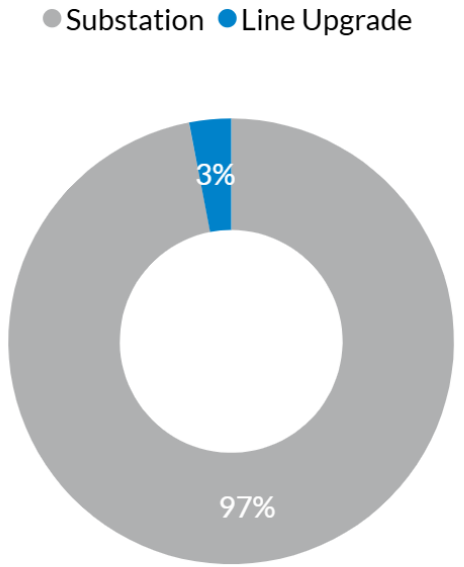



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



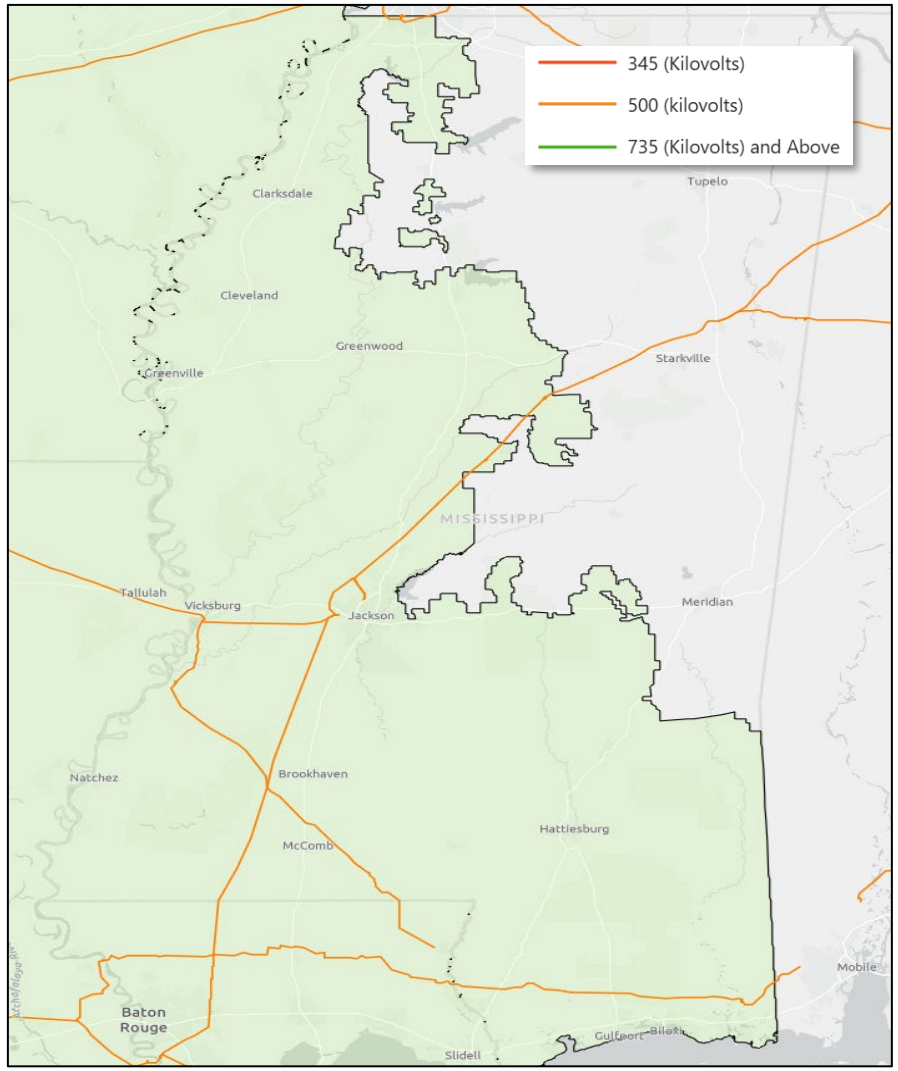
Unlabeled

# EML MTEP26 Project Type Breakdown

## ENTERGY MISSISSIPPI, LLC.

MTEP26 Summary

| | |
|---|---|
| GIP | 3 |
| BRP | 1 |
| Other | 5 |

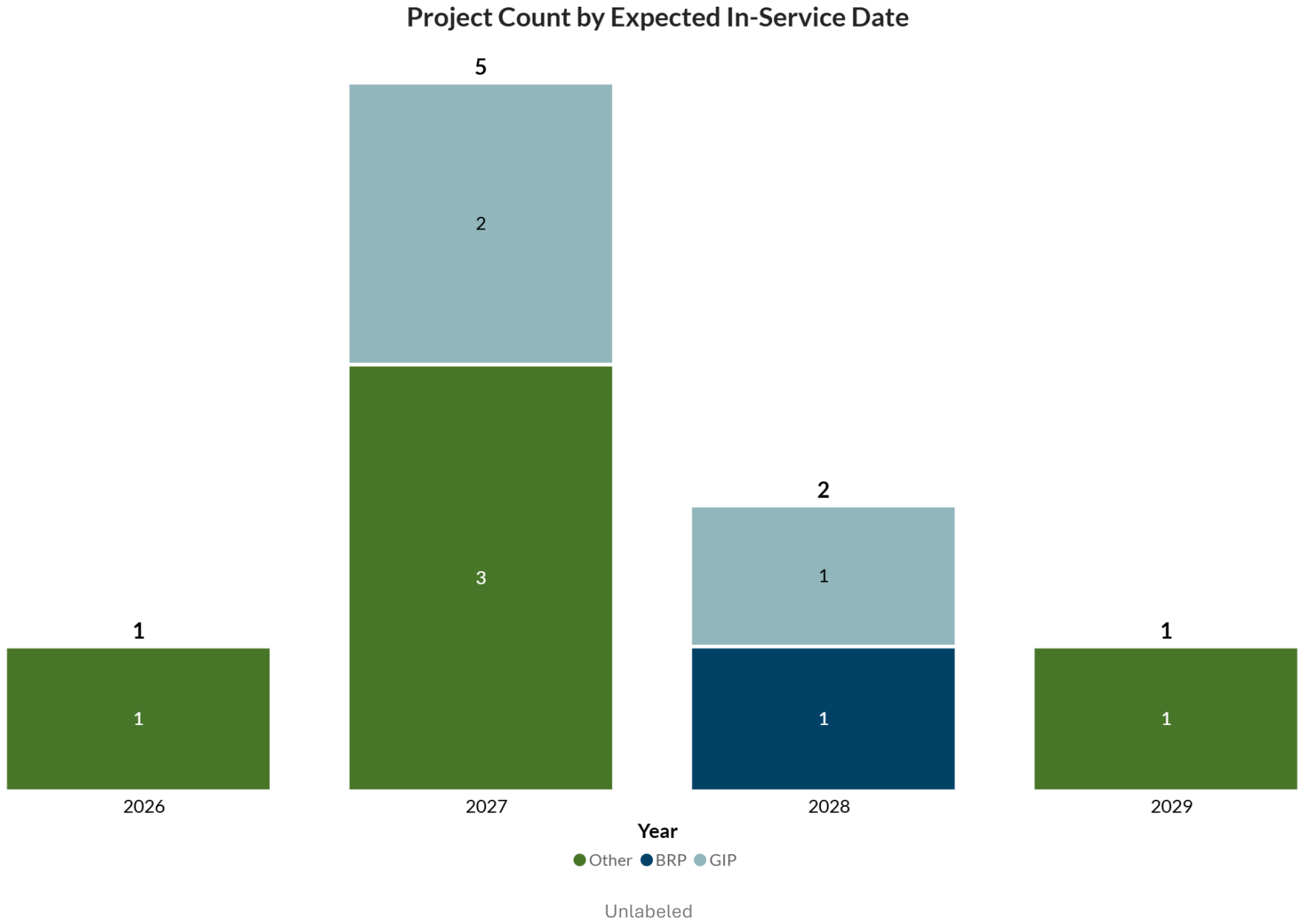



Project information as of 5/15/26.

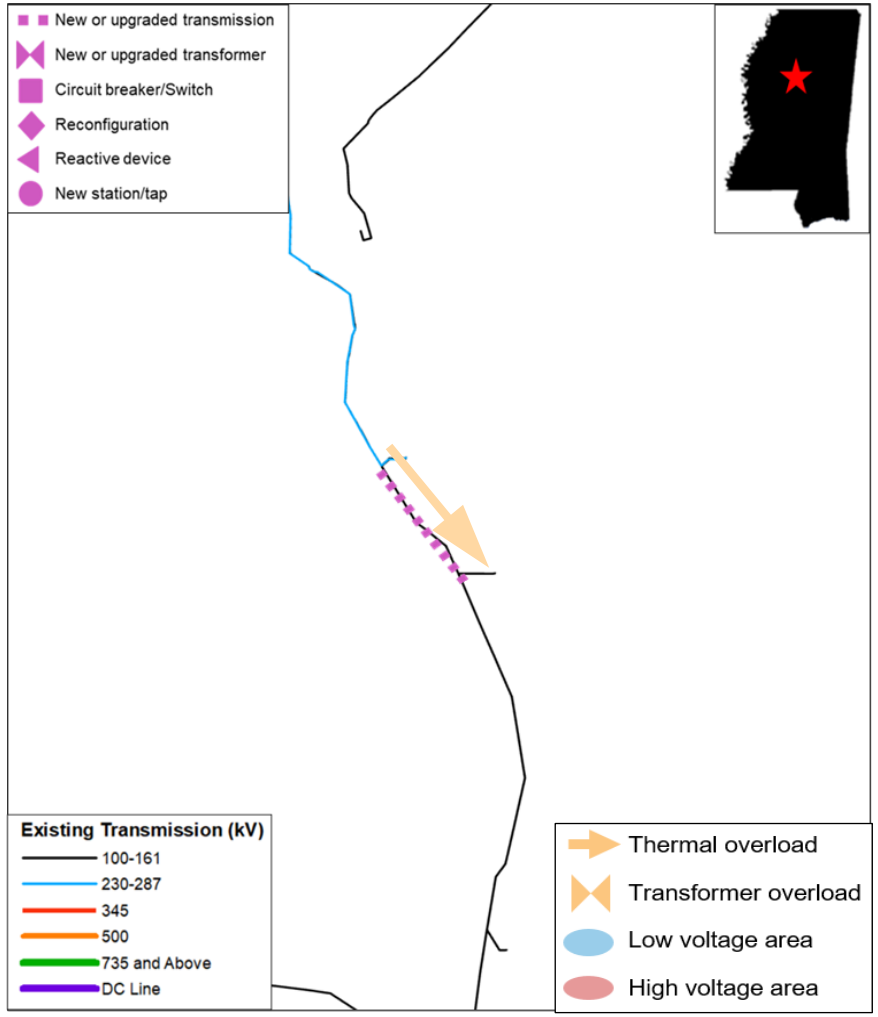


Unlabeled

# EML MTEP26 ISD Breakdown



# Baseline Reliability Project
# Details for S. Grenada - Elliott 115kV Line Rebuild




| MTEP Project ID | 50928 |
|---|---|
| Project Name | S. Grenada - Elliott 115kV Line Rebuild |
| Project Type | BRP |
| Project Description | Rebuild S. Grenada - Elliot 115 kV line. |
| System Need | A bus fault causes thermal overload of S Grenada – Elliott SS 115kV line. |
| Current Cost | $7.2 M |
| Expected ISD | 04/01/2028 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for S. Grenada - Elliott 115kV Line Rebuild

This project is necessary due to an N-1 contingency event causing the [EML] South Grenada - [EML] Elliott 115 kV line to exceed its thermal rating.

**Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [EML] S. Grenada - [EML] Elliott 115 kV line | 100.22 | 64 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50928 | S. Grenada - Elliott 115kV Line Rebuild | 04/01/2028 | $7.2 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50927 | 2027 EML Asset Renewal Program | Age and Condition | 12/31/2027 | $50.8 M |
| 50930 | Deerfield 230kV: Build New Sub | Load Growth | 06/01/2029 | $30.6 M |
| **51146** | **CCS 115 kV Station** | **Load Growth** | **07/01/2027** | **$8.2 M** |
| **51298** | **Marquette 230 kV New Substation** | **Load Growth** | **06/01/2027** | **$27.9 M** |
| **51299** | **Macaw 230 kV New Substation** | **Load Growth** | **12/31/2026** | **$91.9 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

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51147 | Bolton 115 kV Expand Station (J2173) | 12/15/2027 | $8.5 M |
| 51151 | J4146 Generator Interconnection at Green Acres 230 kV | 08/05/2028 | $9.1 M |
| 51154 | McAdams 230 kV: Solar Interconnection (J1891) | 12/31/2027 | $4.0 M |



Unlabeled

# Cooperative Energy



# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 25493 | W. Hattiesburg - N. Hattiesburg Loop Line | Other – Local Reliability | Project ISD updated from 6/1/2027 to 12/1/2027 |



Unlabeled

# COOPERATIVE ENERGY

MTEP26 Projects

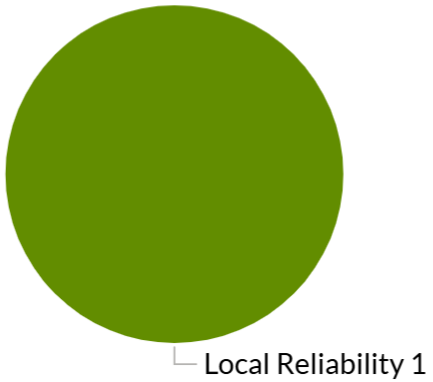



**1**
Total Projects

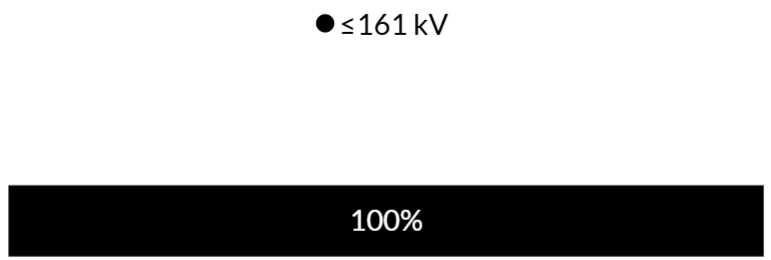
**$4M**
Investment

## Breakdown of Other Project Types

By Project Count

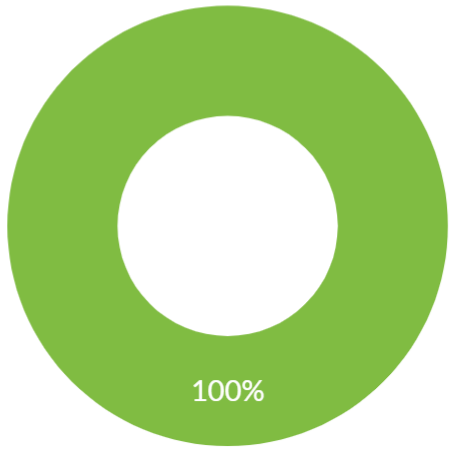



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



Unlabeled

# Cooperative Energy MTEP26 Project Type Breakdown

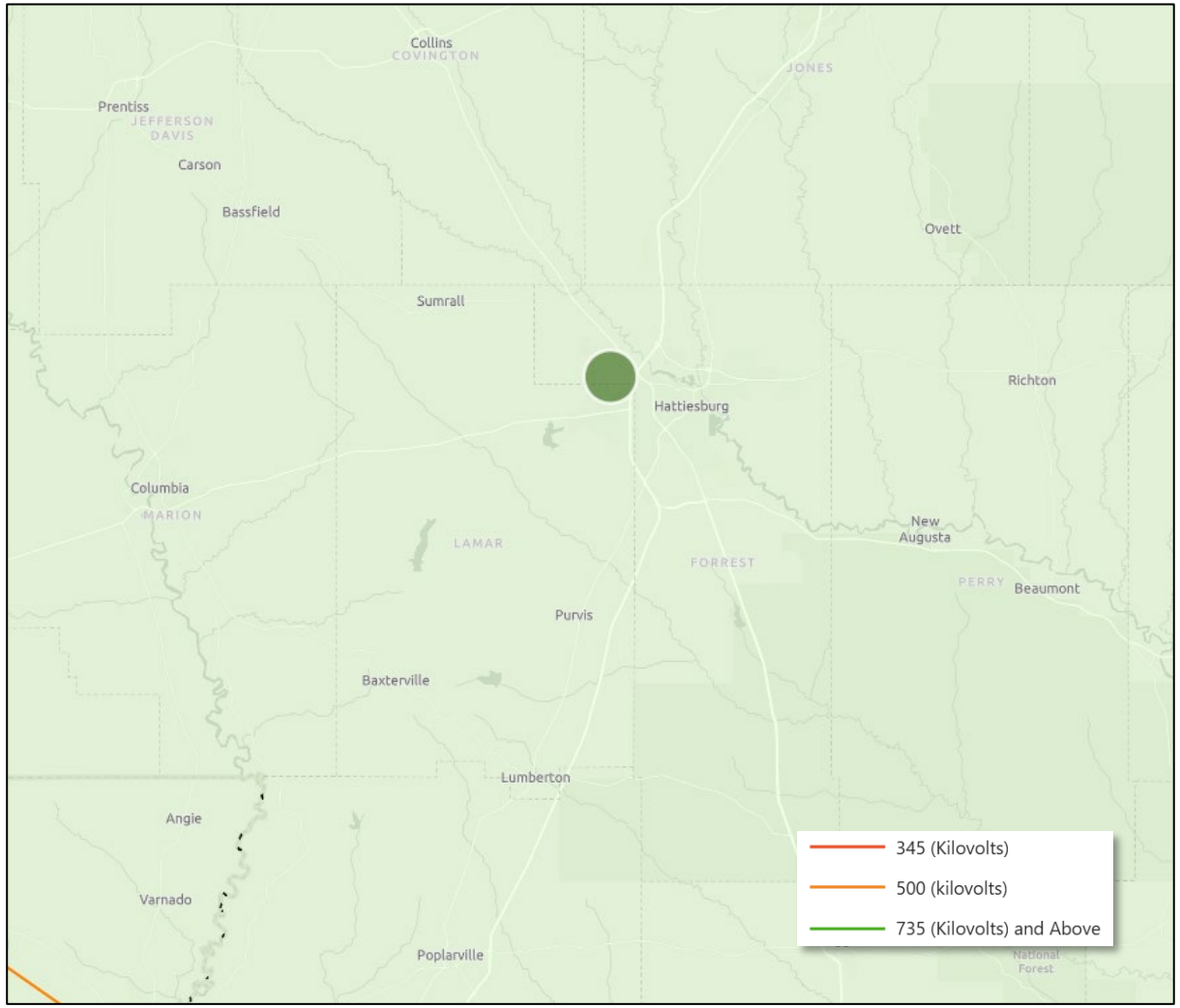
## COOPERATIVE ENERGY

MTEP26 Summary

GIP (Blank)

BRP

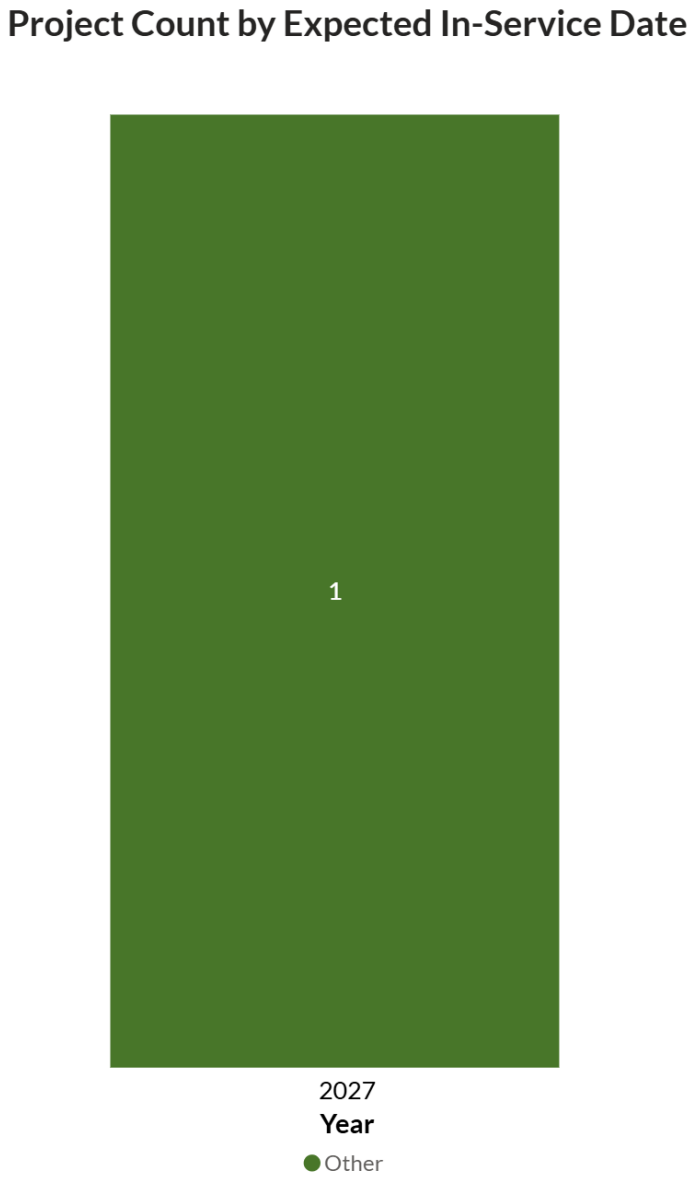
Other 1




Project information as of 5/15/26.

Unlabeled

# Cooperative Energy MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 25493 | W. Hattiesburg - N. Hattiesburg Loop Line | Local Reliability | 12/01/2027 | $4.3 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

# Contacts

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# Questions?



MISO

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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misoenergy.org

LinkedIn: Midcontinent ISO




# MTEP26 Project Information – Texas

## Entergy Services, LLC (EES) – Texas; East Texas Electric Cooperative (ETEC); Sam Houston Electric Cooperative (SHECO)

2nd South Subregional Planning Meeting

Wednesday, June 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss 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*.



Unlabeled

# The details of the Texas projects and their costs per TO are shown below:

- Entergy Services, LLC – Texas: 15 submitted projects at an estimated cost of $336 million
- East Texas Electric Cooperative: 3 submitted projects at an estimated cost of $153 million
- Sam Houston Electric Cooperative: 1 submitted project at an estimated cost of $10 million


Unlabeled

# Entergy Services, LLC – Texas

# Update on Current Cycle Projects since SPM1

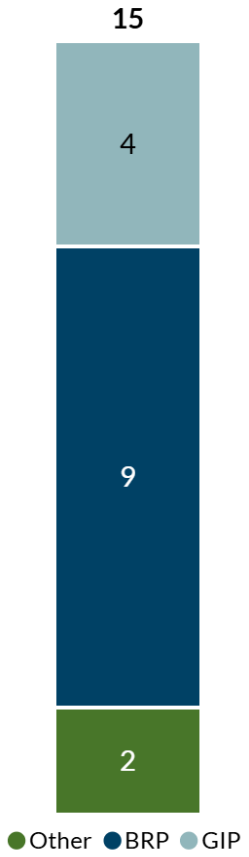
| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51329 | Brazos Plantersville 230 kV Station | Other – Load Growth | Project added to MTEP26 |



Unlabeled

# ENTERGY SERVICES, LLC.

## MTEP26 Projects

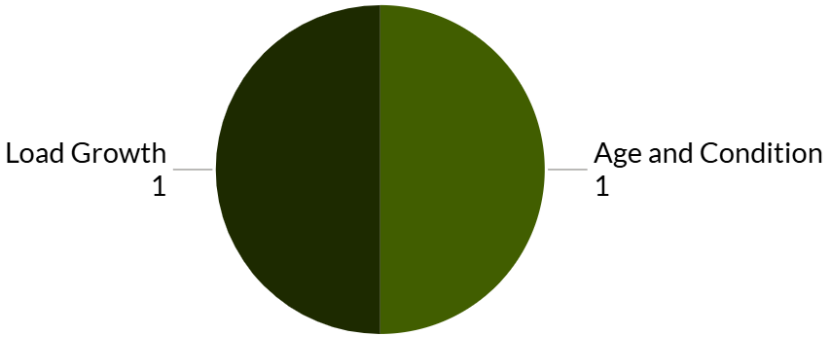



**15**
Total Projects

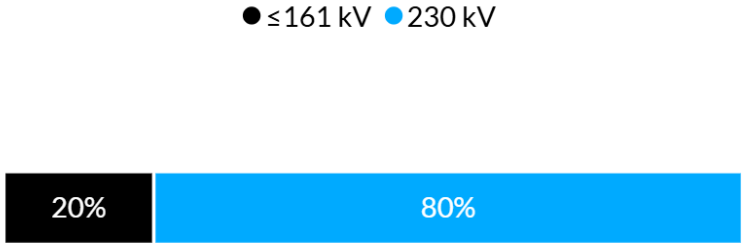
**$336M**
Investment

## Breakdown of Other Project Types

By Project Count

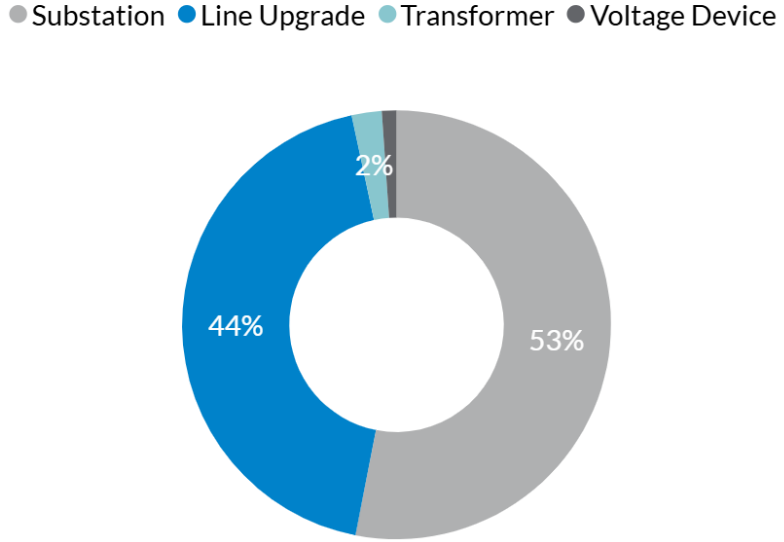



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

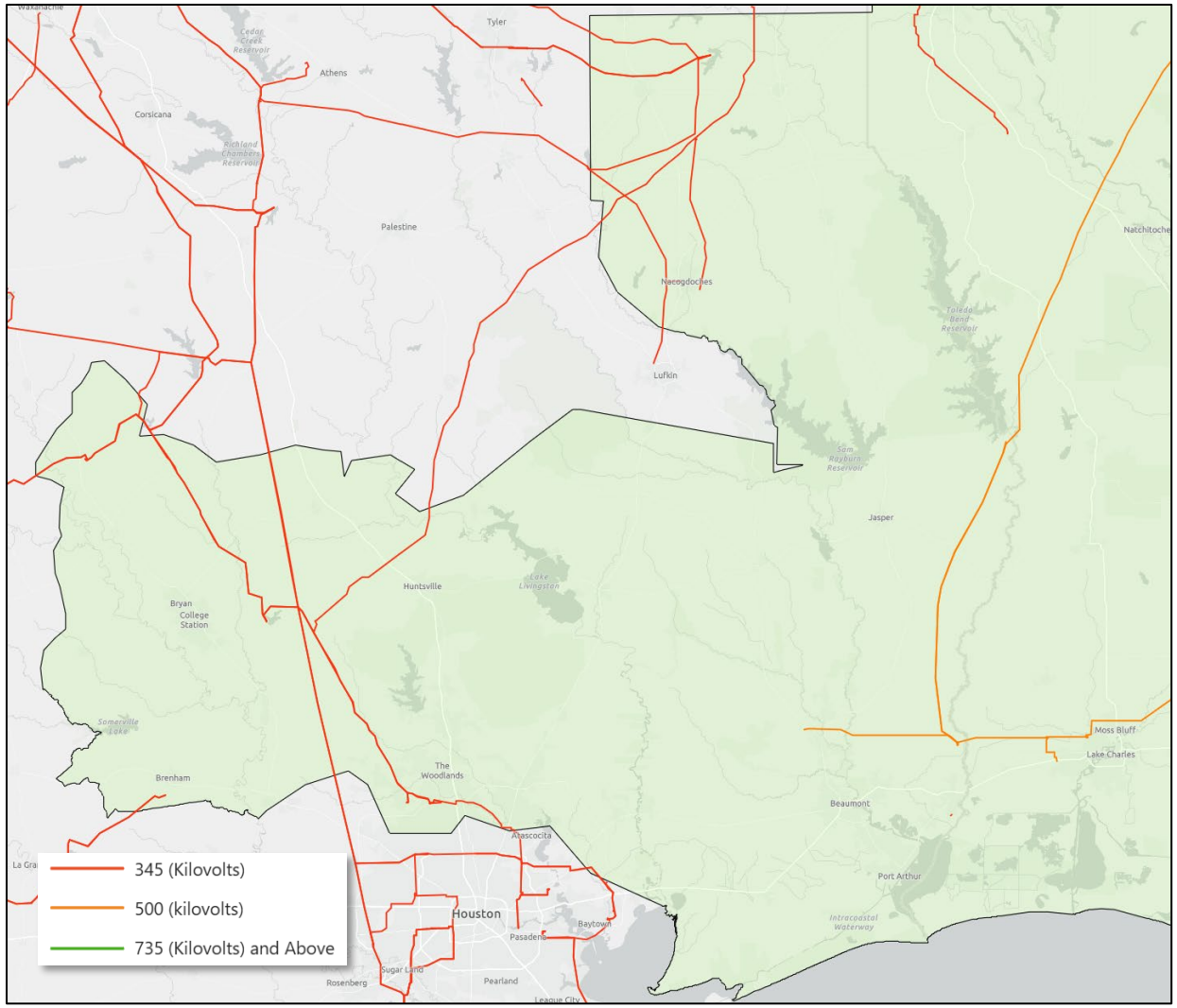
Unlabeled

# EES - TX MTEP26 Project Type Breakdown

## ENTERGY SERVICES, LLC.

MTEP26 Summary

| | |
|---|---|
| GIP | 4 |
| BRP | 9 |
| Other | 2 |



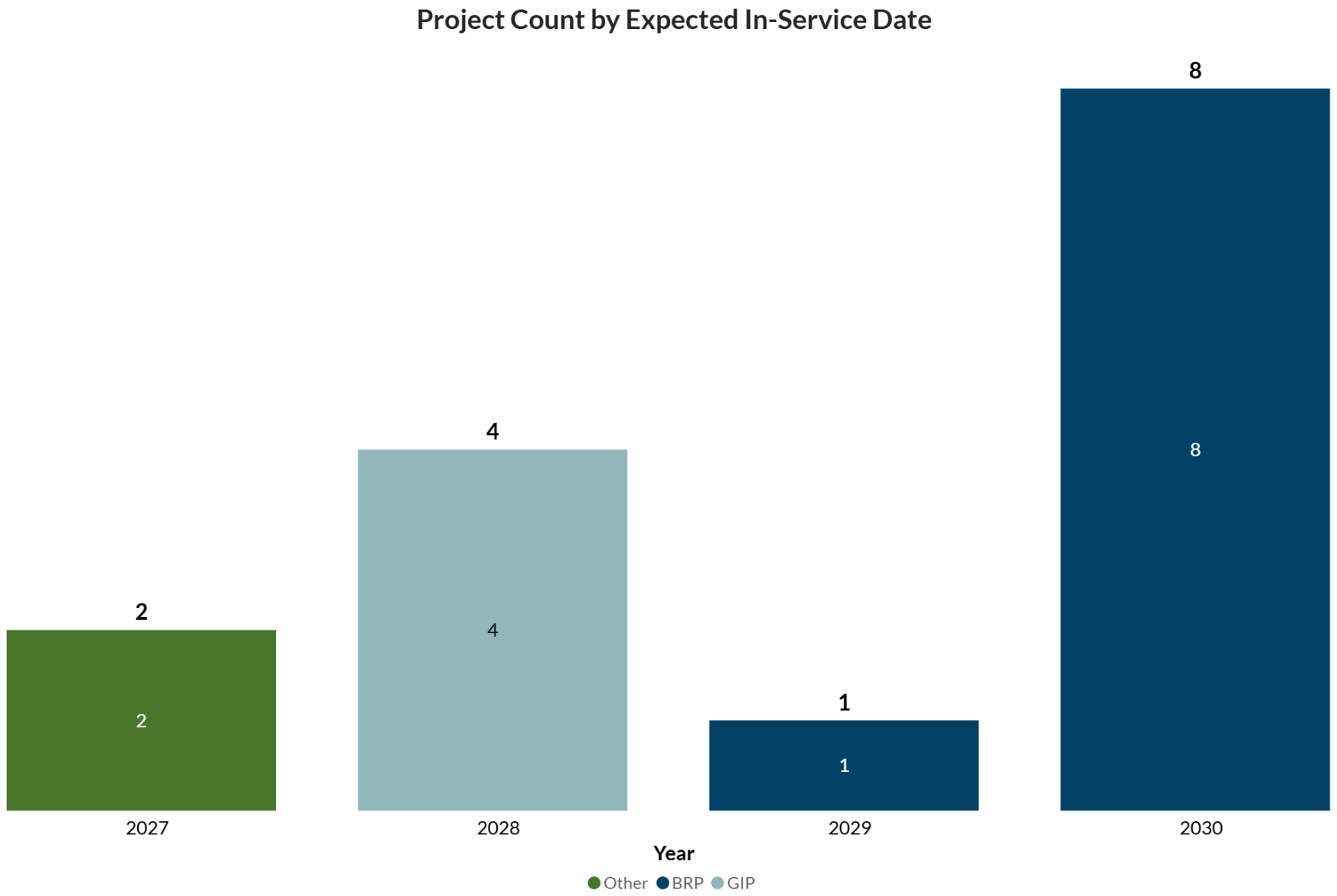

*No project location data submitted to MISO for MTEP26*

Project information as of 5/15/26.



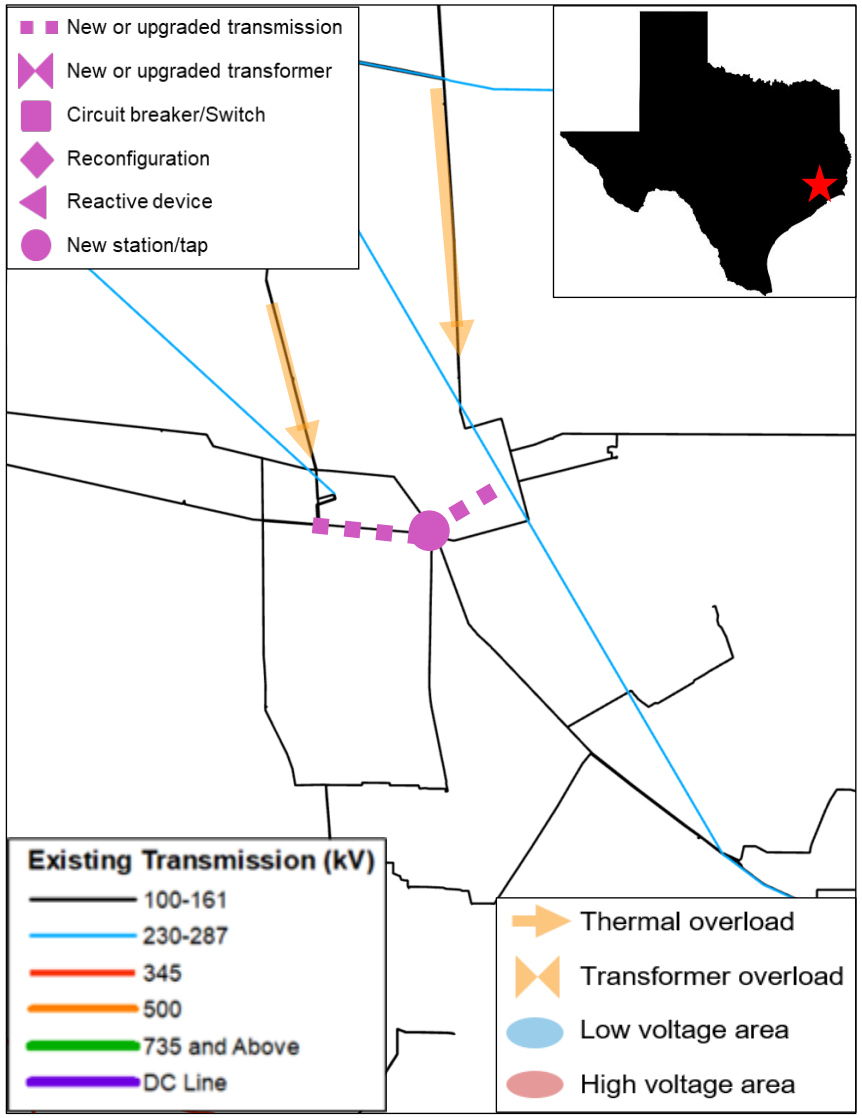
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# EES - TX MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Baseline Reliability Project
# Details for Conroe 230 kV Autotransformer and Line Rebuild




| MTEP Project ID | 50949 |
|---|---|
| Project Name | Conroe 230 kV Autotransformer and Line Rebuild |
| Project Type | BRP |
| Project Description | Construct 230 kV Conroe station near the existing Conroe 138 kV station. Cut in the Lewis Creek to Porter 230 kV line. Rebuild the Conroe to Ponderosa 138 kV line to 230 kV specifications and terminate in the new Conroe 230 kV station. |
| System Need | NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause significant loading on Caney Creek to Commerce 138kV line and overloads on Panorama to Longmire 138kV line. |
| Current Cost | $63.1 M |
| Expected ISD | 04/27/2030 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Conroe 230 kV Autotransformer and Line Rebuild

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause significant loading on Caney Creek to Commerce 138kV line and overloads on Panorama to Longmire 138kV line.

**MTEP26 Thermal Violations**

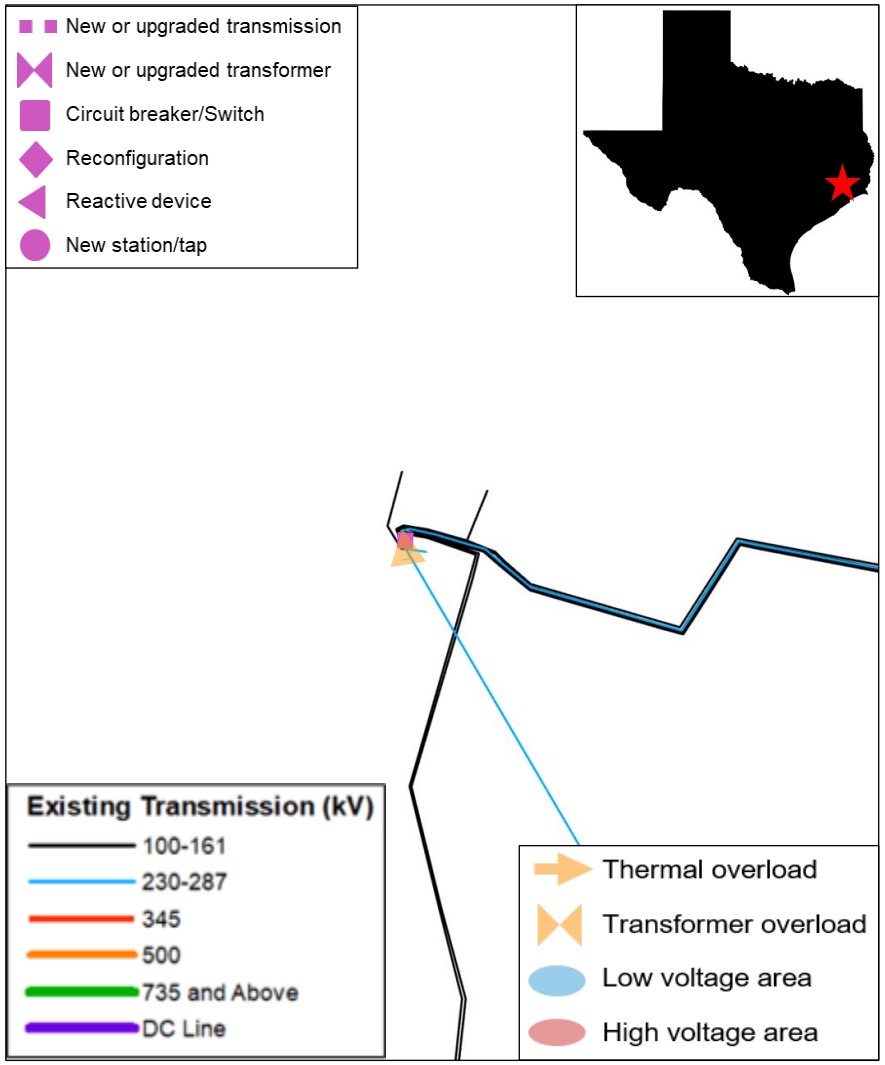
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [ETI] Panorama - [ETI] Longmire 138 kV | 102 | 68 |
| N-1 | [ETI] Caney Creek- [ETI] Commerce 138 kV | 94 | 66 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Lewis Creek to Lacon 138 kV Upgrade




| MTEP Project ID | 50954 |
|---|---|
| Project Name | Lewis Creek to Lacon 138 kV Upgrade |
| Project Type | BRP |
| Project Description | Rebuild Lewis Creek – Lacon 138 kV line. Upgrade any associated station equipment. |
| System Need | NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Several N-1 events cause a thermal overload on the Lewis Creek to Lacon 138 kV line. |
| Current Cost | $2.5 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Lewis Creek to Lacon 138 kV Upgrade

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. Several N-1 events cause a thermal overload on the Lewis Creek to Lacon 138 kV line.

**MTEP26 Thermal Violations**

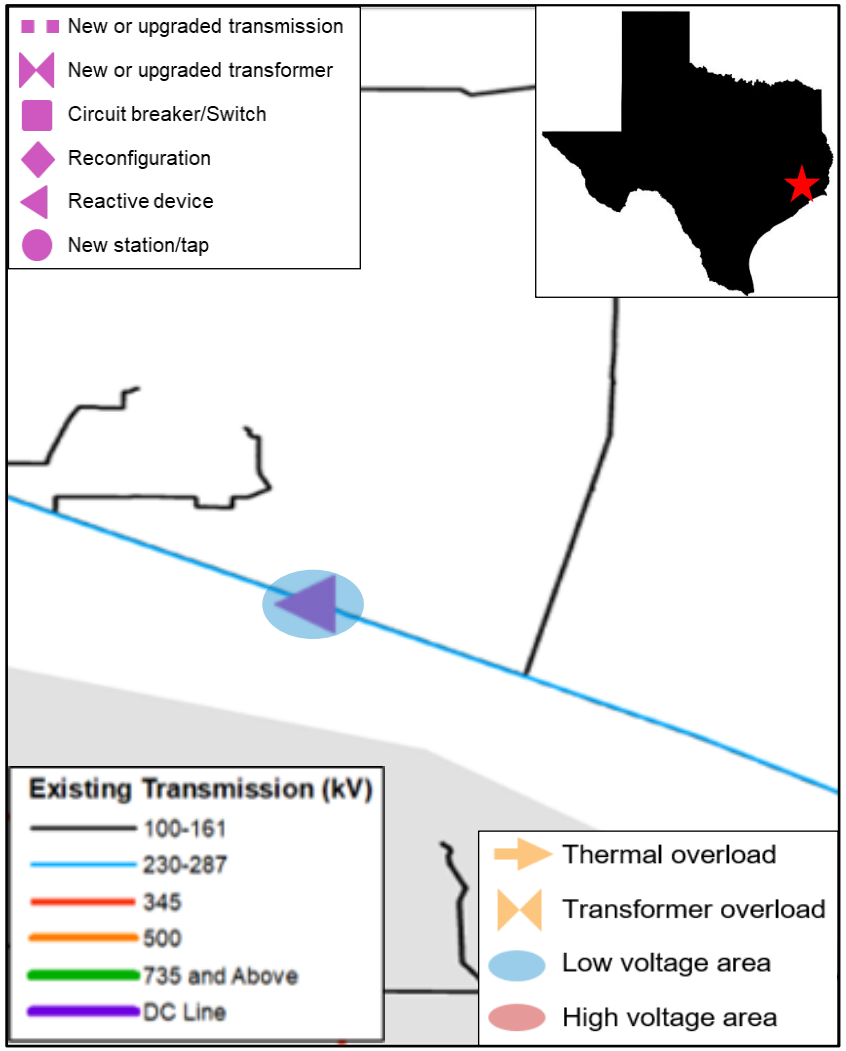
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [ETI] Lacon - [ETI] Lewis Creek 138 kV | 124 | 65 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Millbend 138 kV Capacitor Bank




| MTEP Project ID | 50956 |
|---|---|
| Project Name | Millbend 138 kV Capacitor Bank |
| Project Type | BRP |
| Project Description | Install a Capacitor Bank at Millbend 138 kV Substation. |
| System Need | NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes low voltage at Millbend 138 kV Station |
| Current Cost | $3.7 M |
| Expected ISD | 09/26/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Millbend 138 kV Capacitor Bank

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes low voltage at Millbend 138 kV Station

**MTEP26 Voltage Violations**

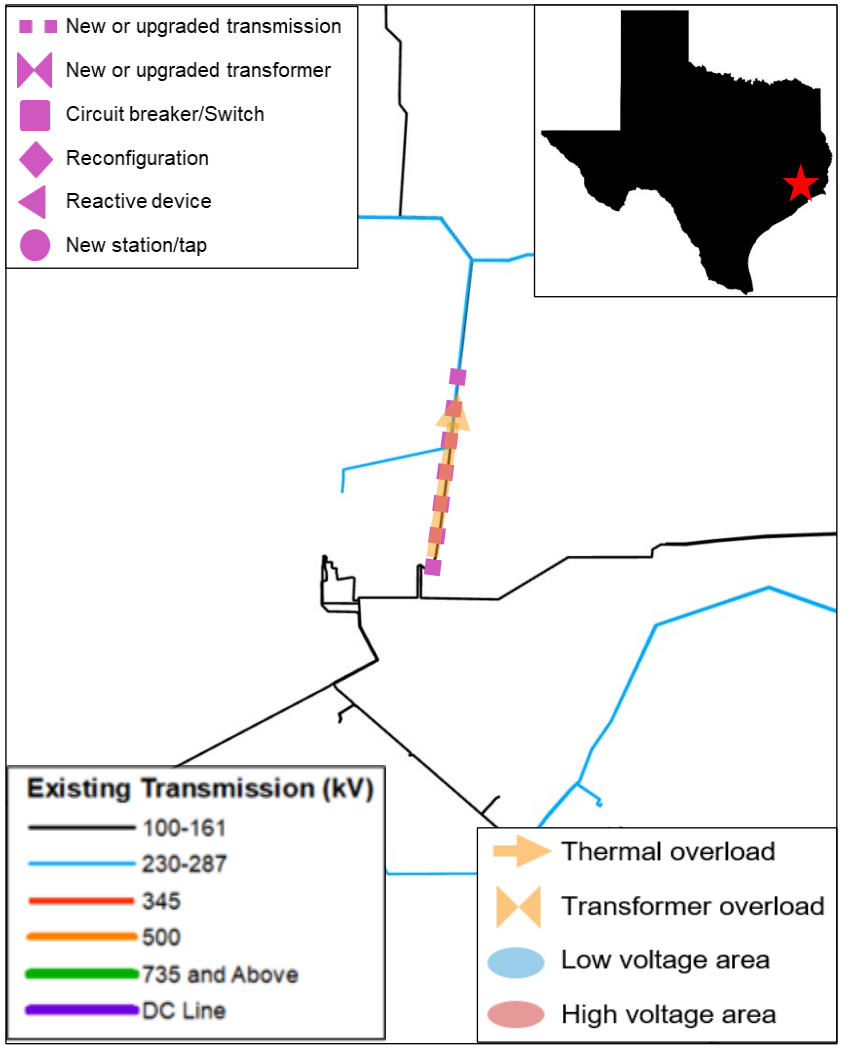
| Cont. Type | Limiting Element | Pre-project (post-cont.) Voltage (pu) | Post-project (post-cont.) Voltage (pu) |
|---|---|---|---|
| N-1 | [ETI] Millbend 138 kV | 0.89 | 0.96 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Neches to Viway 138 kV Station Equipment Upgrade




| MTEP Project ID | 50957 |
|---|---|
| Project Name | Neches to Viway 138 kV Station Equipment Upgrade |
| Project Type | BRP |
| Project Description | Upgrade line bay risers at Viway 138 kV to a minimum of 920 amps. |
| System Need | NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes a thermal overload on Viway – Neches 138 kV line. |
| Current Cost | $2.5 M |
| Expected ISD | 10/30/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Neches to Viway 138 kV Station Equipment Upgrade

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A N-1 event causes a thermal overload on Viway – Neches 138 kV line.

**MTEP26 Thermal Violations**

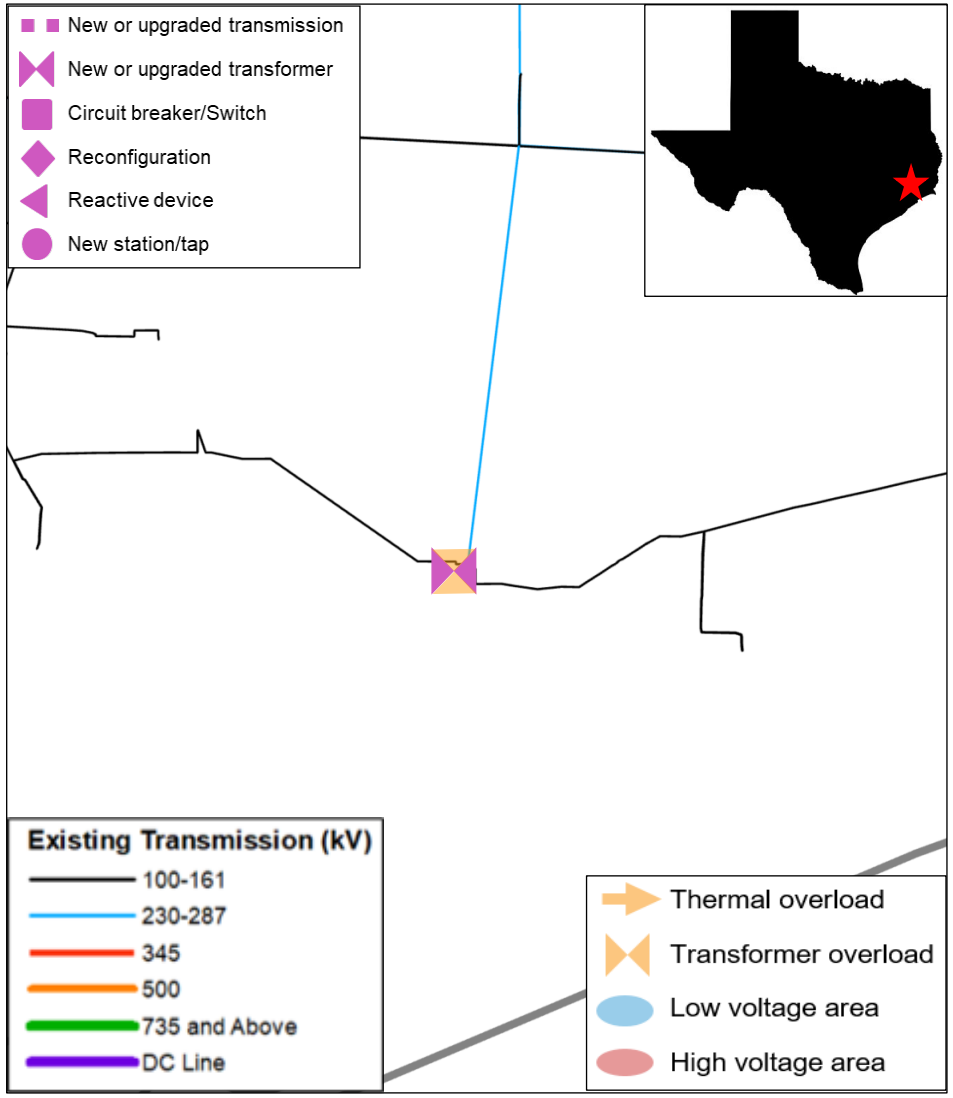
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [ETI] Viway - [ETI] Neches 138 kV | 97 | 90 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Stowell 138-69 kV Autotransformer Upgrade




| MTEP Project ID | 50959 |
|---|---|
| Project Name | Stowell 138-69 kV Autotransformer Upgrade |
| Project Type | BRP |
| Project Description | Upgrade 138-69 kV Autotransformer 4 at Stowell 138kV Station. |
| System Need | Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause overloads Stowell 138-69 kV AT 4. |
| Current Cost | $7.6 M |
| Expected ISD | 08/01/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Stowell 138-69 kV Autotransformer Upgrade

Entergy Local Planning Guidelines and Criteria. Multiple N-1 events cause overloads Stowell 138-69 kV AT 4.

**MTEP26 Thermal Violations**

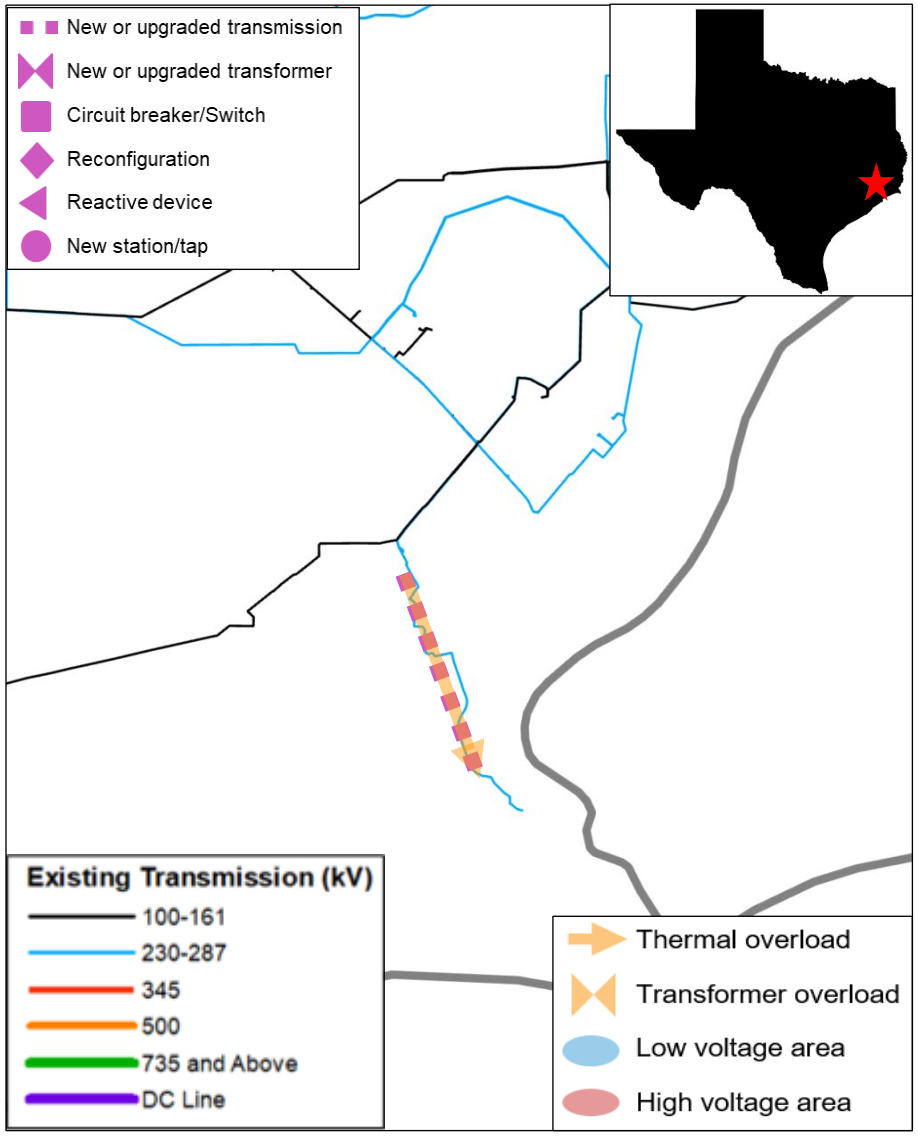
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [ETI] Stowell 138/69 kV AT4 | 113 | 49 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Legend to Sandling 230 kV Lines Rebuild




| MTEP Project ID | 50961 |
|---|---|
| Project Name | Legend to Sandling 230 kV Lines Rebuild |
| Project Type | BRP |
| Project Description | Upgrade Legend-Sandling 230 kV lines 829 and 830. |
| System Need | NERC TPL and Entergy Local Planning Guidelines and Criteria. A N-1-1 loss of two of the three Legend – Sandling lines causes a thermal overload on the remaining line with load growth in the area. |
| Current Cost | $138.9 M |
| Expected ISD | 11/30/2029 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Legend to Sandling 230 kV Lines Rebuild

NERC TPL and Entergy Local Planning Guidelines and Criteria. A N-1-1 loss of two of the three Legend – Sandling lines causes a thermal overload on the remaining line with load growth in the area.

**MTEP26 Thermal Violations**

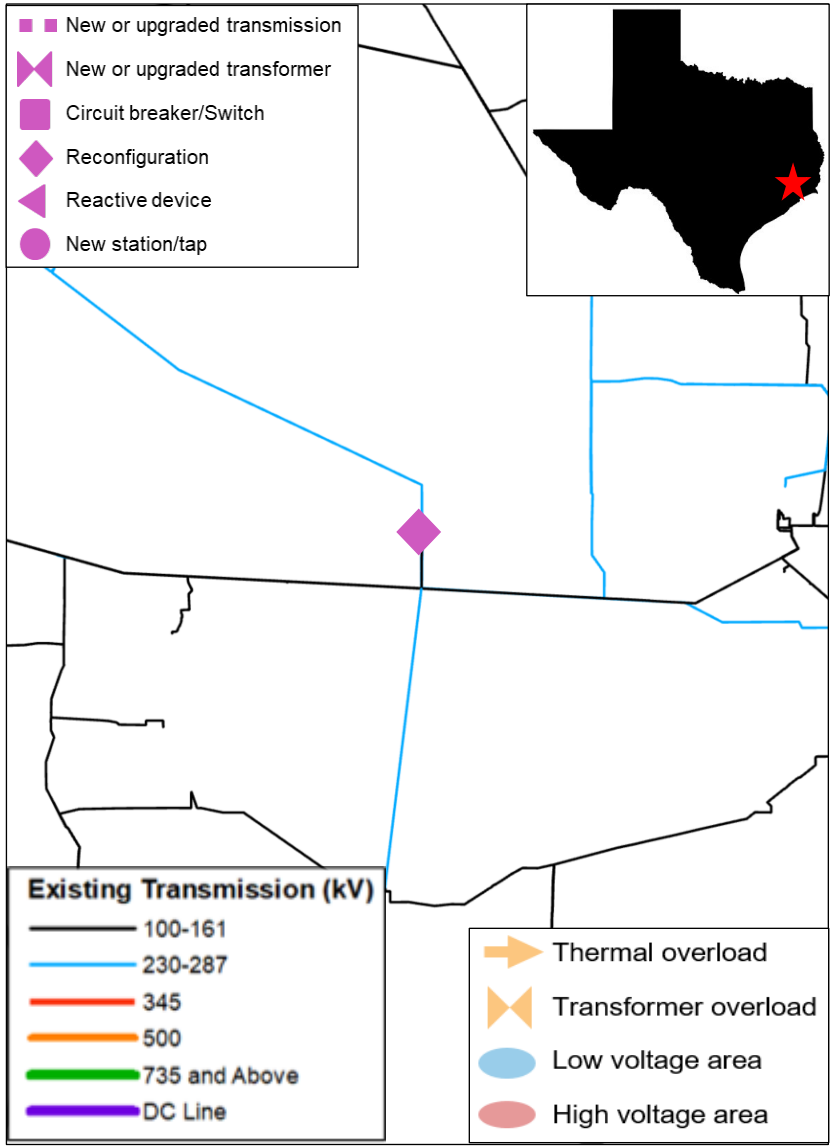
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | [ETI] Legend-Sandling 230 kV ckt 1 | 159 | 71 |
| N-1-1 | [ETI] Legend-Sandling 230 kV ckt 3 | 158 | 71 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for China 230 kV Station Reconfigure




| MTEP Project ID | 50962 |
|---|---|
| Project Name | China 230 kV Station Reconfigure |
| Project Type | BRP |
| Project Description | Reconfigure China 230 kV bus so that China – Stowell 230 kV and the China 230/138 kV autotransformer do not share a common breaker. |
| System Need | NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A breaker failure causes a thermal overload on Mid County – Memorial 138 kV line and South Beaumont – Texaco Hillebrandt – Lovells Lake 69kV. |
| Current Cost | $6.6 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for China 230 kV Station Reconfigure

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. A breaker failure causes a thermal overload on Mid County – Memorial 138 kV line and South Beaumont – Texaco Hillebrandt – Lovells Lake 69kV.

**MTEP26 Thermal Violations**

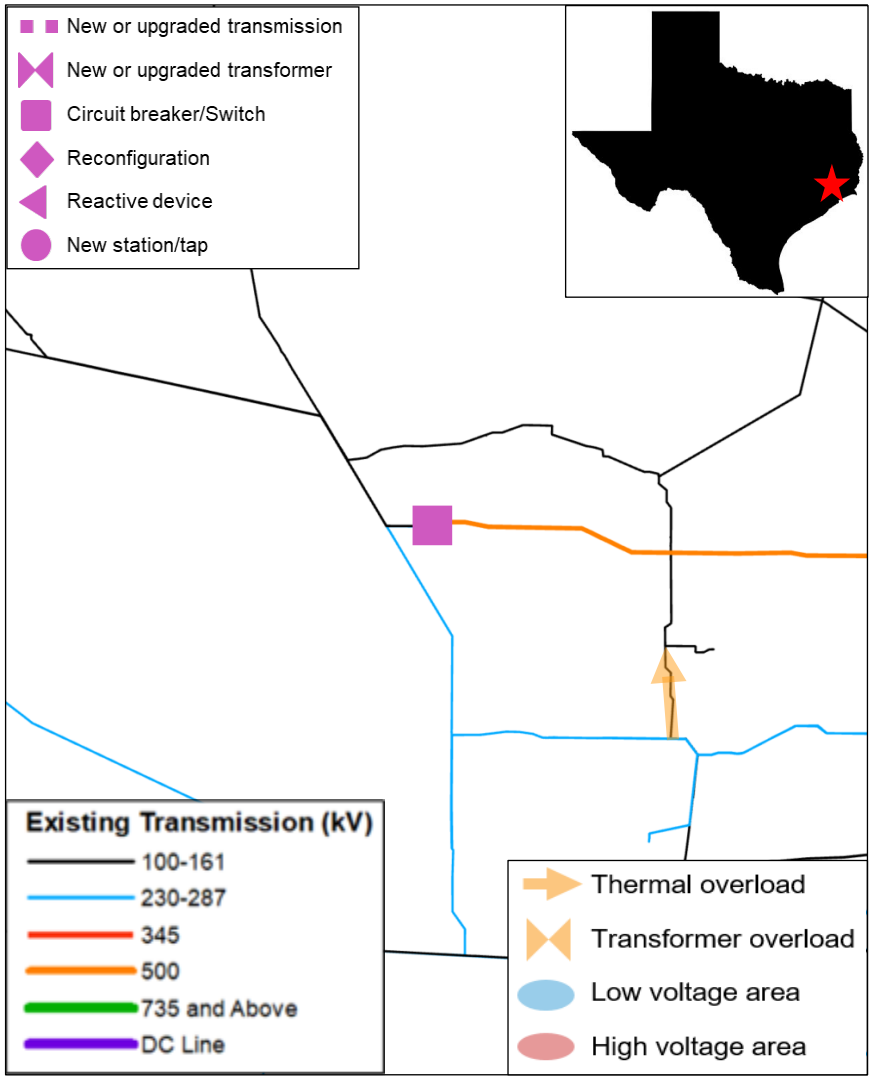
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [ETI] Mid County – [ETI] Memorial 138 kV | 105 | 50 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Cypress 500/230/138 kV SPOF




| MTEP Project ID | 50963 |
|---|---|
| Project Name | Cypress 500/230/138 kV SPOF |
| Project Type | BRP |
| Project Description | Ensure relay redundancy at Cypress 500, 230, and138 kV buses: trip coils, batteries, relays to eliminate the P5 contingency. |
| System Need | NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. This single point of failure results in a thermal violation for Viway – Neches 138 kV line. |
| Current Cost | $3.7 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Cypress 500/230/138 kV SPOF

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. This single point of failure results in a thermal violation for Viway – Neches 138 kV line.

**MTEP26 Thermal Violations**

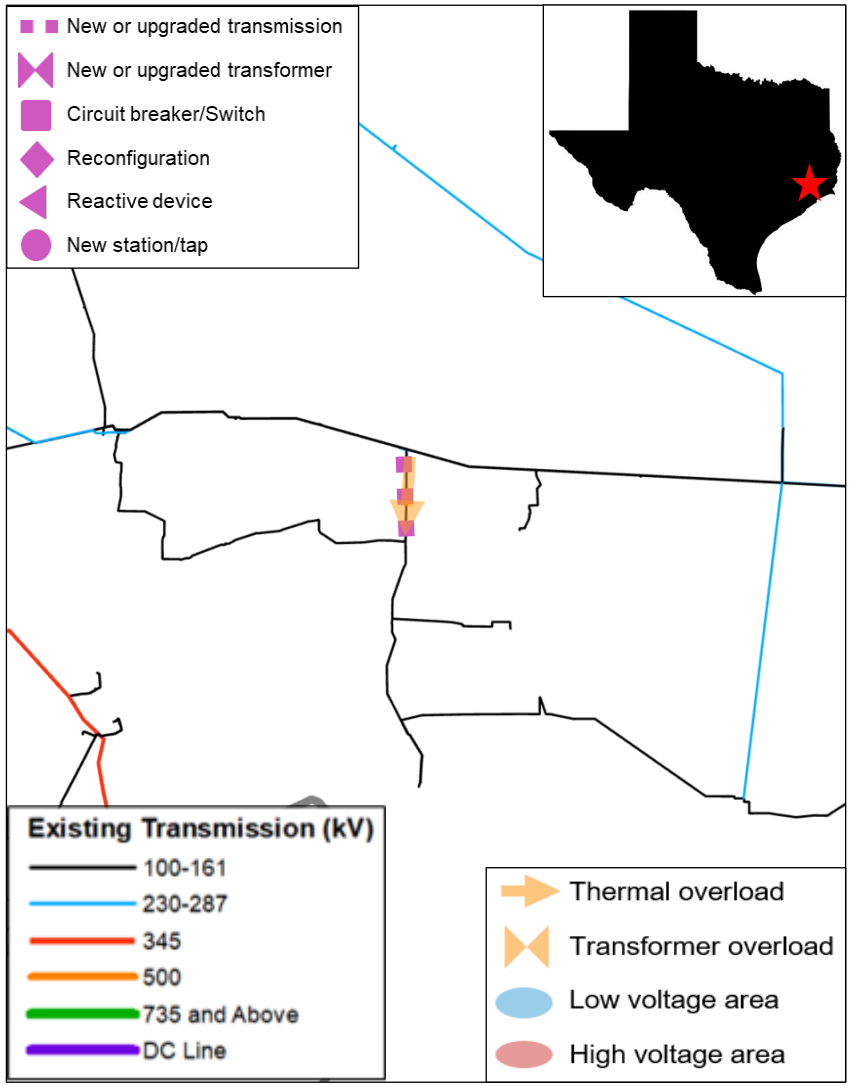
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [ETI] Viway - [ETI] Neches 138 kV | 98 | 92 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Raywood to Pintail 138 kV Rebuild




| MTEP Project ID | 50967 |
|---|---|
| Project Name | Raywood to Pintail 138 kV Rebuild |
| Project Type | BRP |
| Project Description | Rebuild/Upgrade portions of the Raywood – Pintail 138 kV line. |
| System Need | NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. For a N-1-1 event, the system must be reconfigured to stay within thermal and voltage criteria. This upgrade is required during the reconfiguration of the system to avoid an overload of the Raywood to Pintail 138 kV. |
| Current Cost | $5.2 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Raywood to Pintail 138 kV Rebuild

NERC TPL-001 and Entergy Local Planning Guidelines and Criteria. For a N-1-1 event, the system must be reconfigured to stay within thermal and voltage criteria. This upgrade is required during the reconfiguration of the system to avoid an overload of the Raywood to Pintail 138 kV.

**MTEP26 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | [ETI] Raywood - [ETI] Pintail 138 kV | 116 | 60 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50949 | Conroe 230 kV Autotransformer and Line Rebuild | 04/27/2030 | $63.1 M |
| 50954 | Lewis Creek to Lacon 138 kV Upgrade | 12/01/2030 | $2.5 M |
| 50956 | Millbend 138 kV Capacitor Bank | 09/26/2030 | $3.7 M |
| 50957 | Neches to Viway 138 kV Station Equipment Upgrade | 10/30/2030 | $2.5 M |
| 50959 | Stowell 138-69 kV Autotransformer Upgrade | 08/01/2030 | $7.6 M |
| 50961 | Legend to Sandling 230 kV Lines Rebuild | 11/30/2029 | $138.9 M |
| 50962 | China 230 kV Station Reconfigure | 12/31/2030 | $6.6 M |
| 50963 | Cypress 500/230/138 kV SPOF | 12/01/2030 | $3.7 M |
| 50967 | Raywood to Pintail 138 kV Rebuild | 12/31/2030 | $5.2 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50932 | 2027 ETI Asset Renewal | Age and Condition | 12/31/2027 | $35.1 M |
| 51329 | Brazos Plantersville 230 kV Station | Load Growth | 12/01/2027 | $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.

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51156 | J2165 230kV Interconnection on Jacinto to Batiste Creek 230 kV | 11/01/2028 | $5.0 M |
| 51169 | J2075 230kV Interconnection on Batiste Creek to China 230 kV | 05/30/2028 | $24.6 M |
| 51190 | J1849 GIA at Cypress 230 kV Station | 05/30/2028 | $7.7 M |
| 51201 | J2071 GIA POI on Cypress to Rye 138 kV | 12/01/2028 | $30.2 M |



Unlabeled

# East Texas Electric Cooperative, Inc.



# EAST TEXAS ELECTRIC COOPERATIVE, INC.

MTEP26 Projects

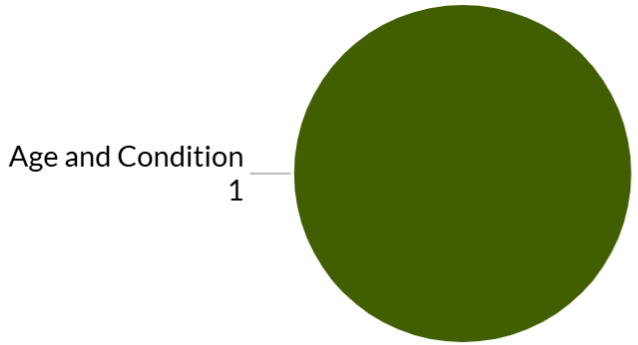



**3**
Total Projects

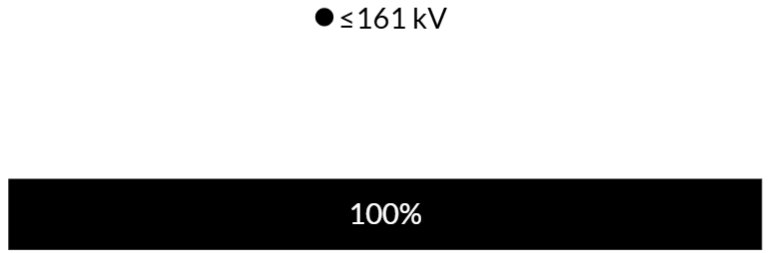
**$153M**
Investment

## Breakdown of Other Project Types

By Project Count

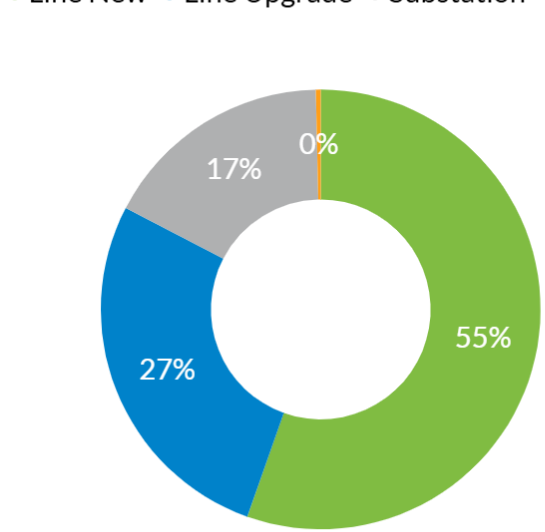



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

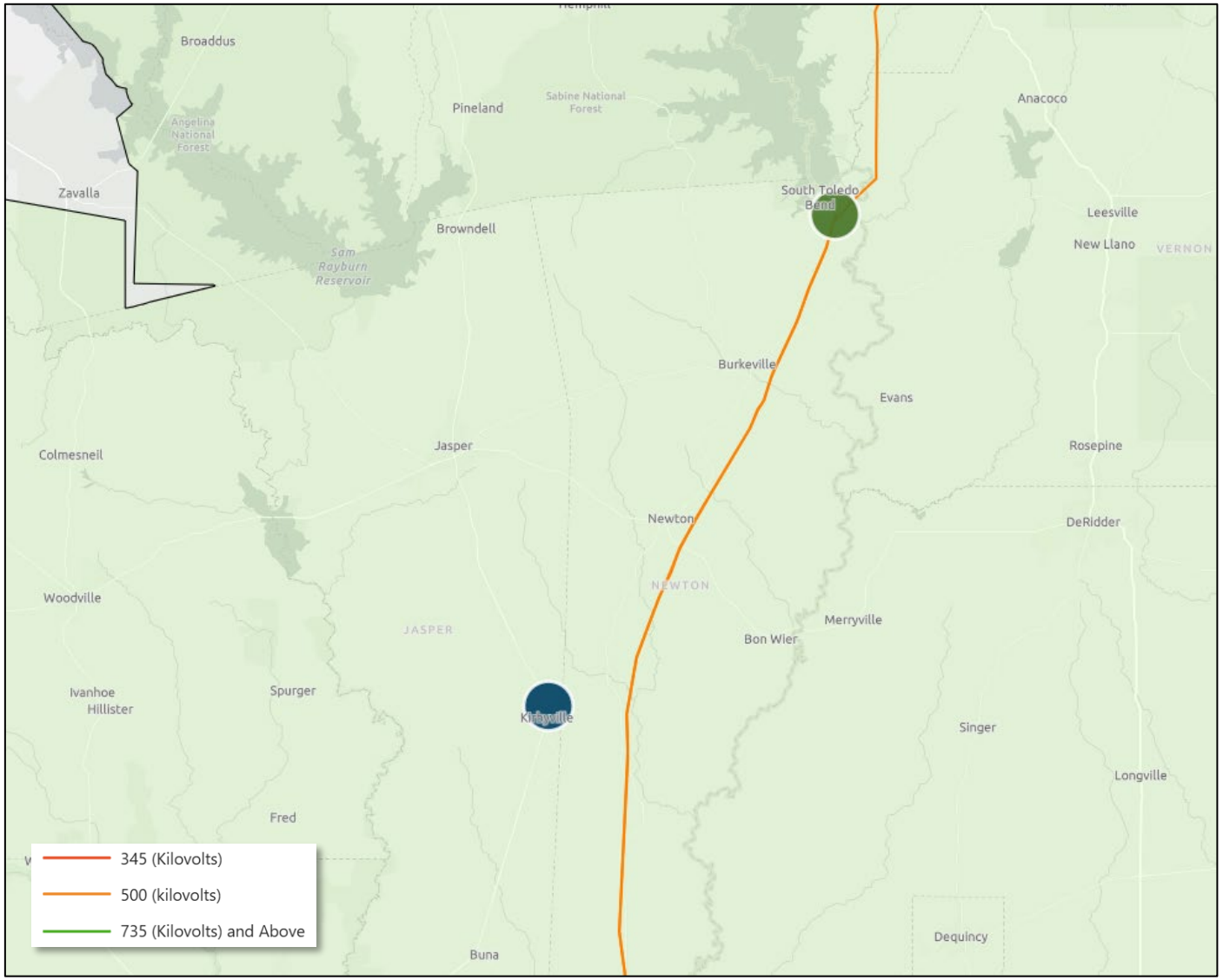
Unlabeled

# ETEC MTEP26 Project Type Breakdown

## EAST TEXAS ELECTRIC COOPERATIVE, INC.

MTEP26 Summary

| | |
|---|---|
| GIP | [redacted] |
| BRP | 2 |
| Other | 1 |

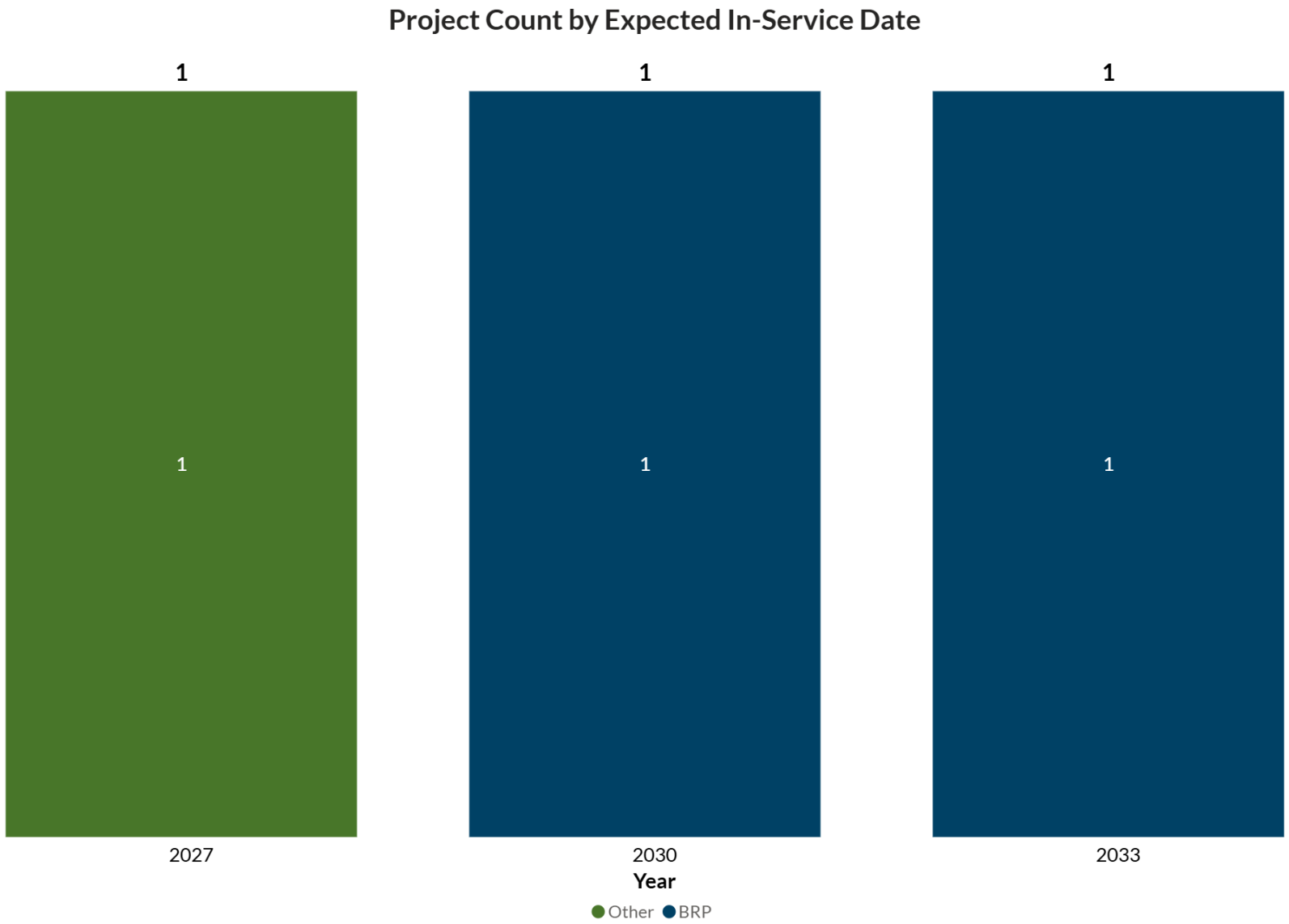



Project information as of 5/15/26.



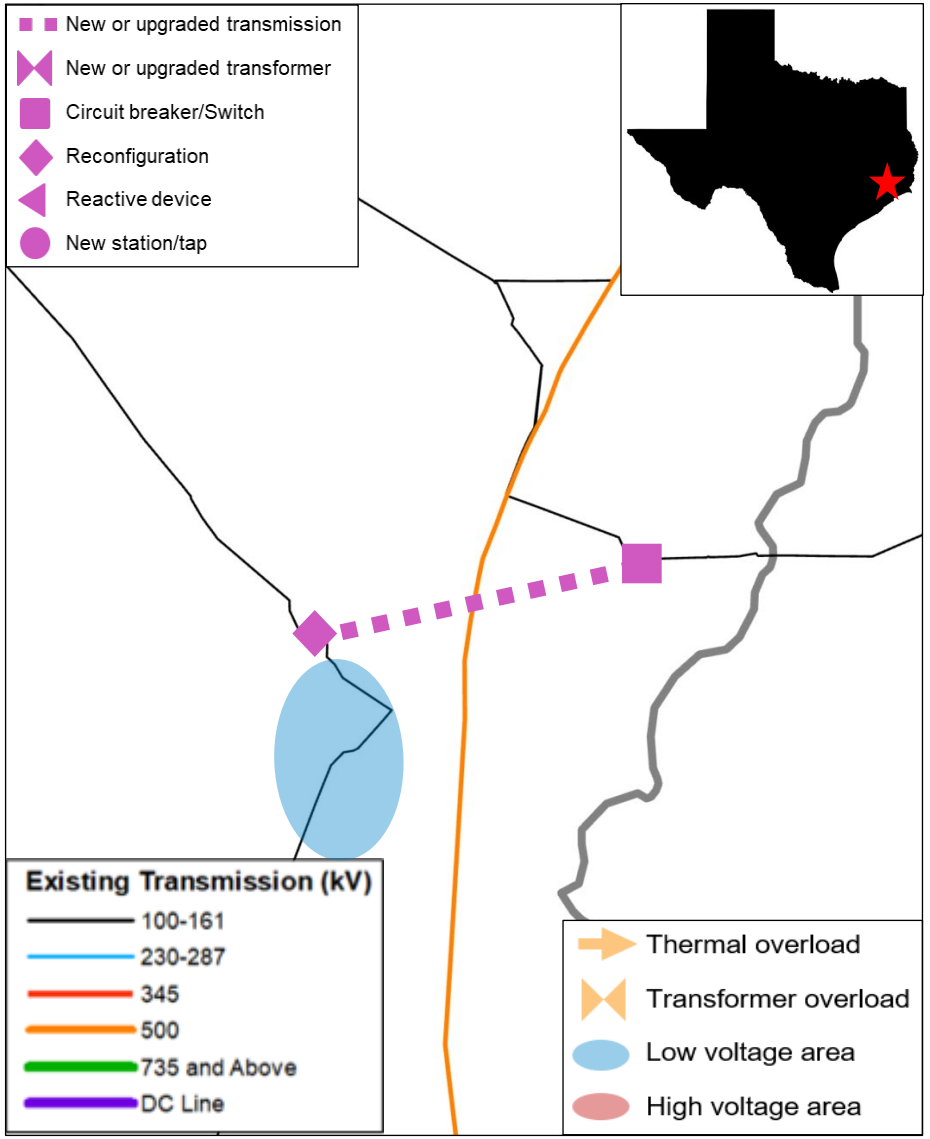
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# ETEC MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Baseline Reliability Project
# Details for JNEC-Kirbyville to Entergy-Fawil 138kV Project




| MTEP Project ID | 50793 |
|---|---|
| Project Name | JNEC- Kirbyville to Entergy-Fawil 138kV Project |
| Project Type | BRP |
| Project Description | This project was created to address a TPL-001-5.1 violation for N-1-1 events. ETEC/JNEC will build a new 12.61 mile 138kV transmission line from Entergy's 138kV Fawil substation to Jasper Newton's (JNEC) 138kV Kirbyville substation. We will reconfigure the Kirbyville substation into a four-breaker ring bus substation to accommodate the new 138kV line. Entergy will have substation upgrades at Fawil as well. |
| System Need | To alleviate low voltages (below 0.9pu) between Buna and Millcreek on JNEC system when a N-1-1 contingency event occurs. |
| Current Cost | $75.0 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for JNEC- Kirbyville to Entergy-Fawil 138kV Project

To alleviate low voltages (below 0.9pu) between Buna and Millcreek on JNEC system when a N-1-1 contingency event occurs.

**MTEP26 Voltage Violations**

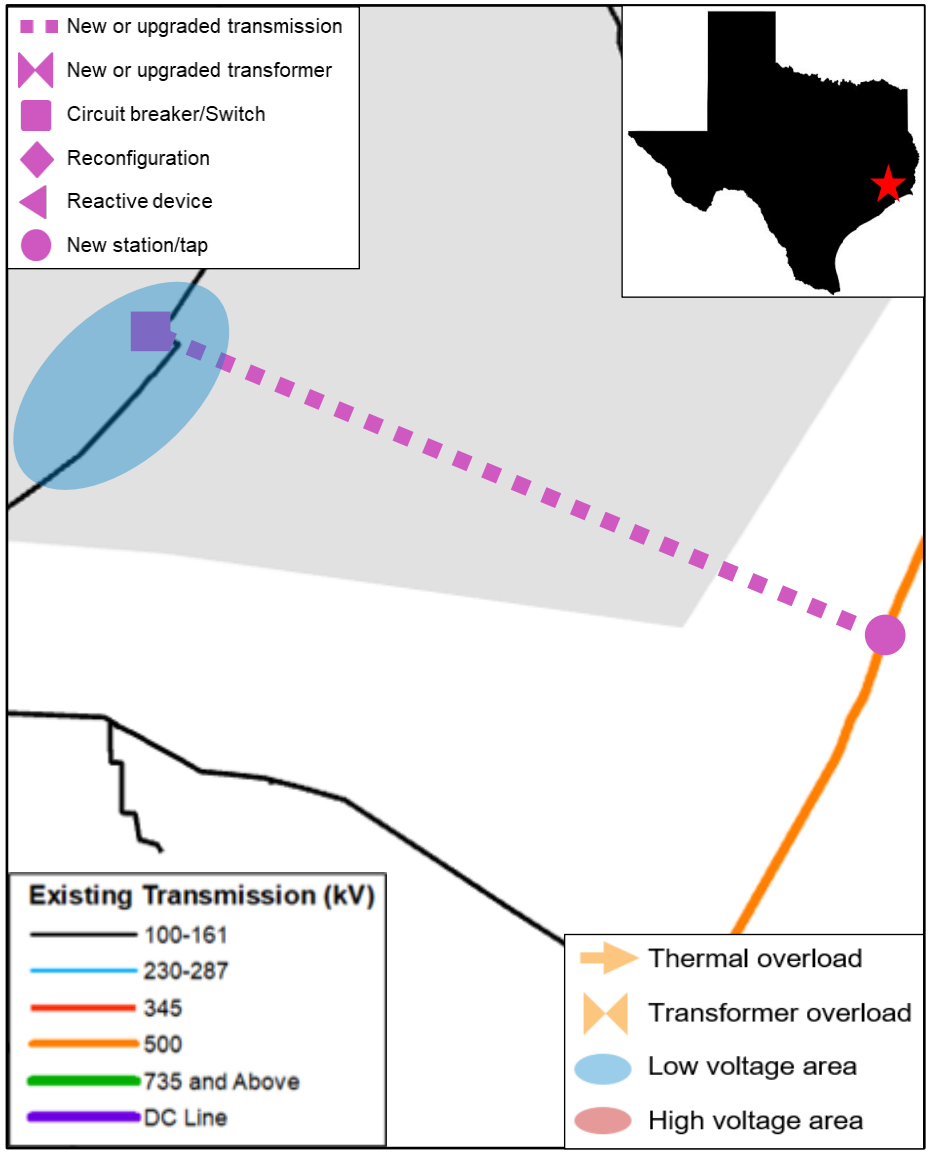
| Cont. Type | Limiting Element | Pre-project (post-cont.) Voltage (pu) | Post-project (post-cont.) Voltage (pu) |
|---|---|---|---|
| N-1-1 | [JNEC] Buna | 0.61 | 0.93 |
| N-1-1 | [JNEC] North Buna | 0.61 | 0.93 |
| N-1-1 | [JNEC] Temple | 0.61 | 0.93 |
| N-1-1 | [JNEC] Call | 0.62 | 0.93 |
| N-1-1 | [JNEC] Kirby | 0.63 | 0.94 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for DETEC-Horton Hill to Weirgate 138kV conversion




| MTEP Project ID | 51202 |
|---|---|
| Project Name | DETEC-Horton Hill to Weirgate 138kV conversion |
| Project Type | BRP |
| Project Description | ETEC and its member cooperative, Deep East Texas Cooperative (DETEC) will convert an existing 69kV line from Pineland 69kV to Wiergate to 138kV and establish a new interconnection at DETEC-Horton Hill. ETEC will then loop the SPP 138kV system into a new 138kV switching station cut in along the Entergy Newton Bulk to Leach 138kV transmission line. |
| System Need | This project has been created to address voltage issues in MISO system (N-1-1) pursuant to the Planning Criteria and address ETEC local planning criteria violations in SPP. |
| Current Cost | $77.2 M |
| Expected ISD | 12/31/2033 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for DETEC-Horton Hill to Weirgate 138kV conversion

This project has been created to address voltage issues in MISO system (N-1-1) pursuant to the Planning Criteria and address ETEC local planning criteria violations in SPP.

**MTEP26 Voltage Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Voltage (pu) | Post-project (post-cont.) Voltage (pu) |
|---|---|---|---|
| N-1-1 | [JNEC] McGee | 0.89 | 0.99 |
| N-1-1 | [JNEC] Mill Creek | 0.89 | 1.0 |
| N-1-1 | [JNEC] Peach | 0.90 | 0.99 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50793 | JNEC- Kirbyville to Entergy-Fawil 138kV Project | 12/01/2030 | $75.0 M |
| 51202 | DETEC-Horton Hill to Weirgate 138kV conversion | 12/31/2033 | $77.2 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51310 | Leach station breaker age and condition. | Age and Condition | 02/01/2027 | $0.8 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.

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# Sam Houston Electric Cooperative, Inc.

# SAM HOUSTON ELECTRIC COOPERATIVE, INC.

MTEP26 Projects

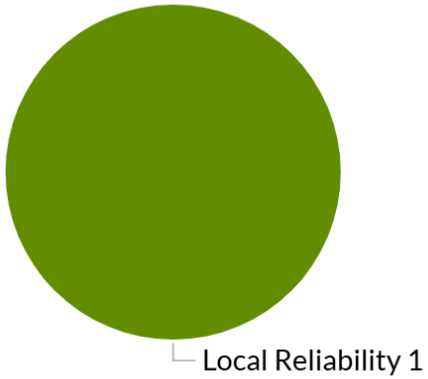



**1**
Total Projects

**$10M**
Investment

## Breakdown of Other Project Types

By Project Count




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



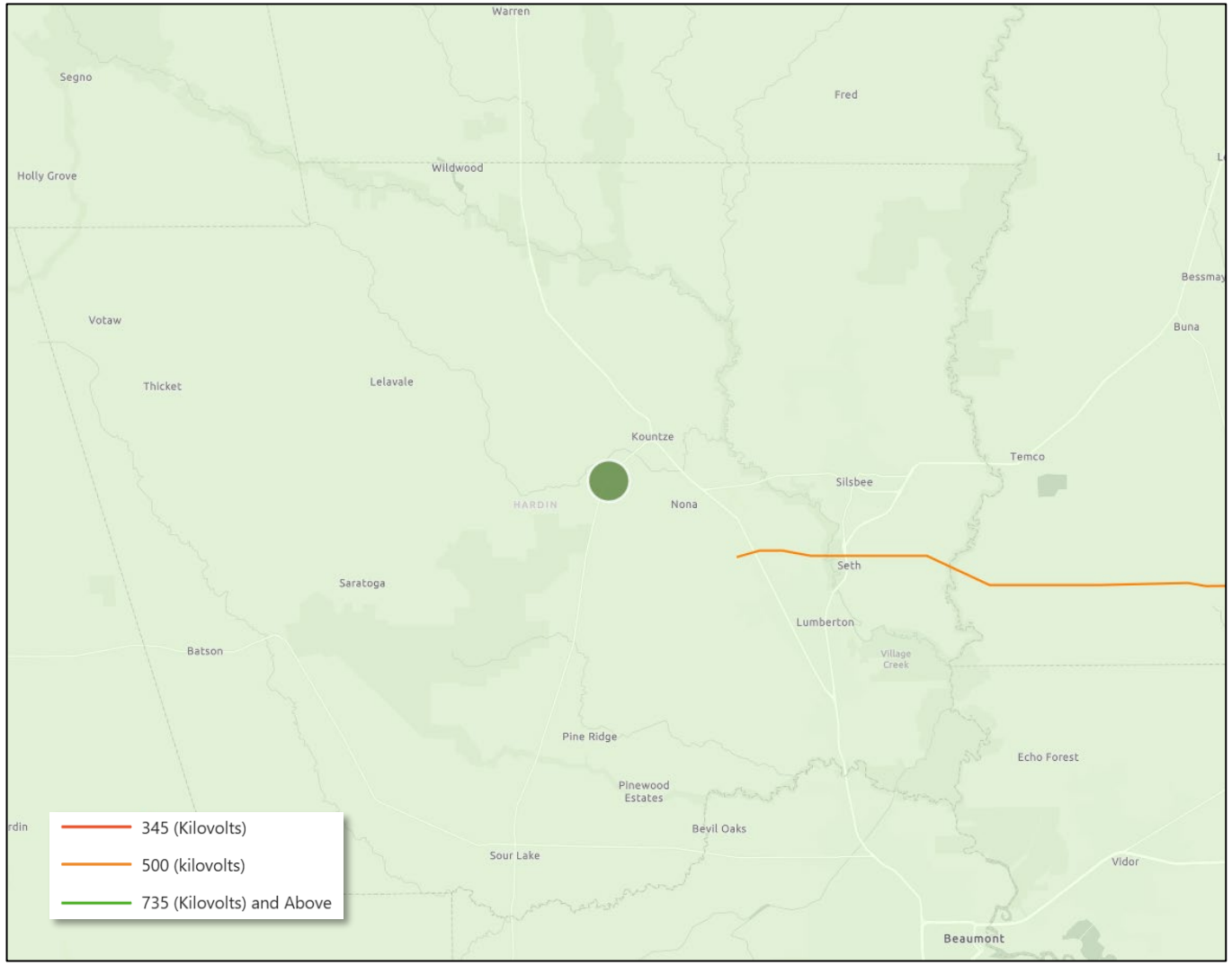
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# SHECO MTEP26 Project Type Breakdown

## SAM HOUSTON ELECTRIC COOPERATIVE, INC.

MTEP26 Summary

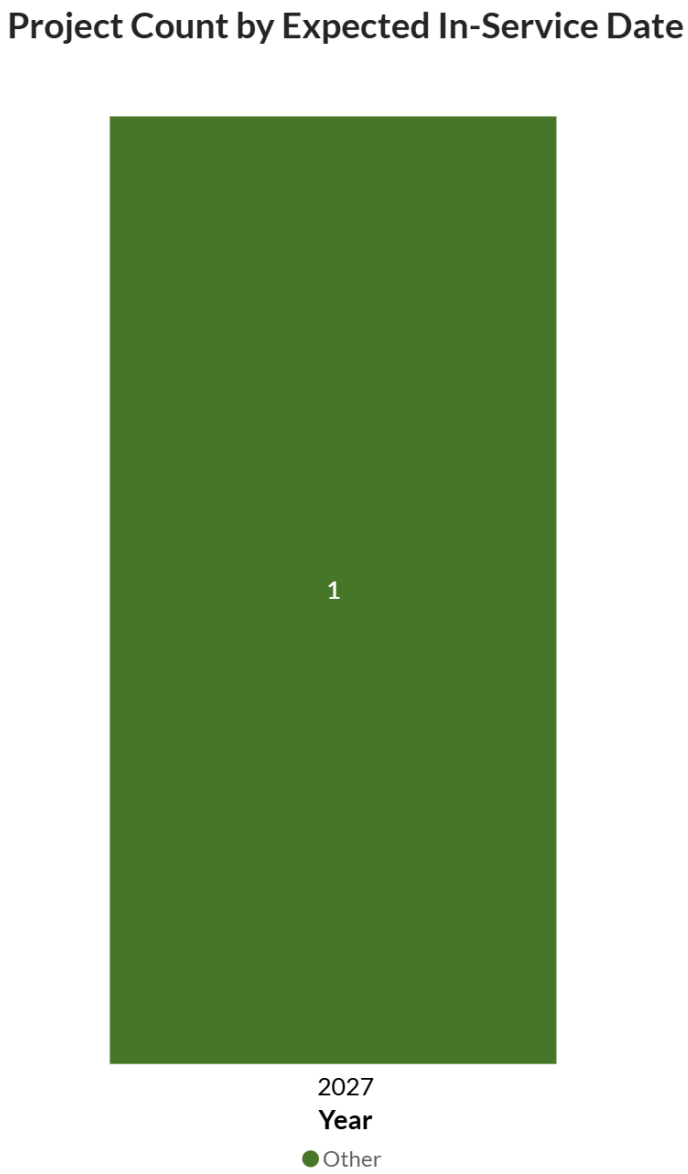
| | |
|---|---|
| GIP | [illegible] |
| BRP | |
| Other | 1 |




Project information as of 5/15/26.

Unlabeled

# SHECO MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50747 | New Sub 138kV Sub Fish Lake | Local Reliability | 10/01/2027 | $10.0 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.

Unlabeled

# Contacts

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BBurns@misoenergy.org

Zackary Bearden
Regional Coordinator
ZBearden@misoenergy.org

Trevor Armstrong
Manager
TArmstrong@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

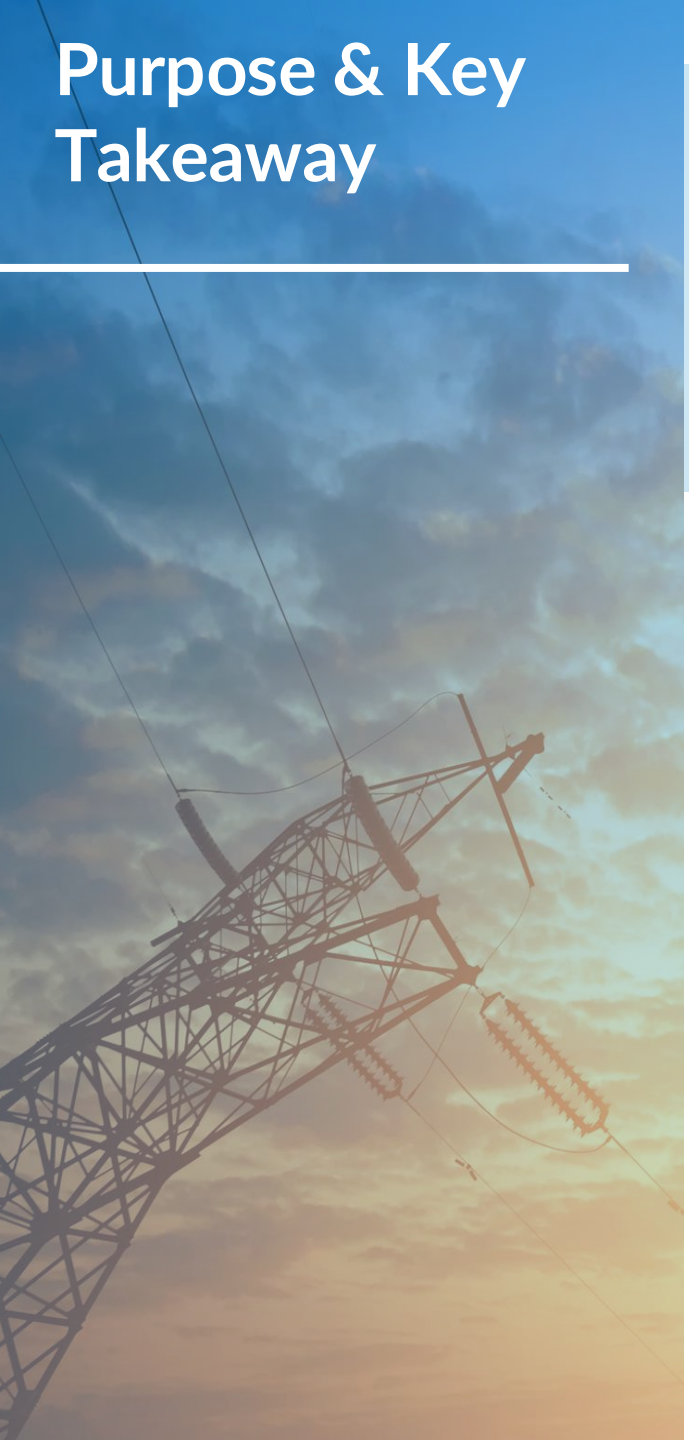



# MTEP26 Reliability Planning Scope Overview

2nd West Subregional Planning Meeting (WSPM2)

Wednesday, June 3, 2026

# Purpose & Key Takeaway



## Purpose

To show results of MISO's independent assessments and how needs align with MTEP26 projects

## Key Takeaways

- 574 new Appendix A projects are targeted for MTEP26
  - Of those, 225 are proposed in the West region
- Today's focus is to provide MISO's independent reliability assessment results and review effectiveness of TO proposed projects and alternatives
- The interactive MTEP Portal was used to gather information and develop SPM materials. All data was pulled on May 15, 2026



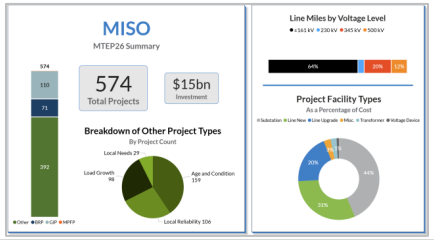
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# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

MTEP Report ★

**Local Reliability Journey Begins Here**

**We are here (SPM2)**

**TO/MP Submit Project Proposals**
***Sept. 15th***

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

| 2025 | | | | | | | | | | | | 2026 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

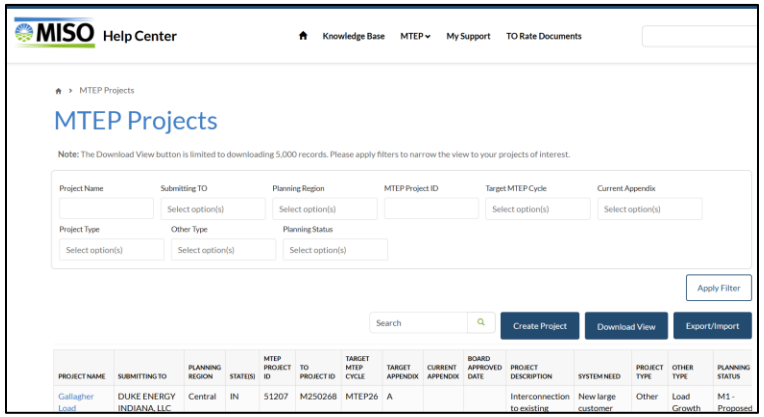
**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

**Present Day**

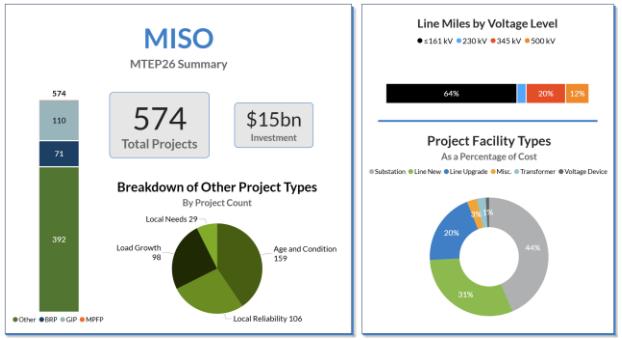
TO = Transmission Owners MP = Market Participants SPM = Subregional Planning Meeting
TPL is a NERC Reliability Standard for Transmission Planning

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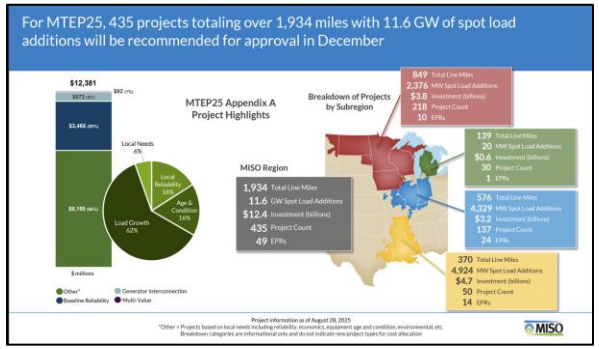
# The MTEP Portal houses and drives all data and communication outwardly, reducing the risk of data errors



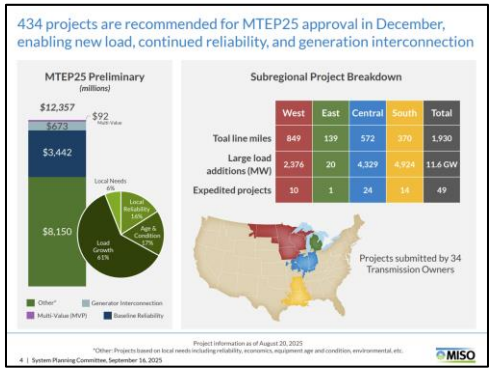

Subregional Planning Meeting (SPM)



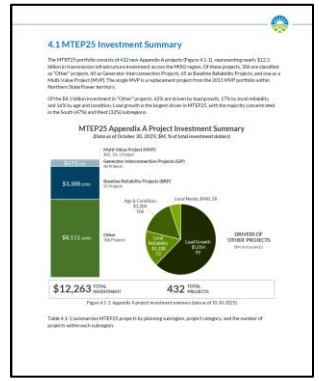

Planning Advisory Committee (PAC)




System Planning Committee (SPC)



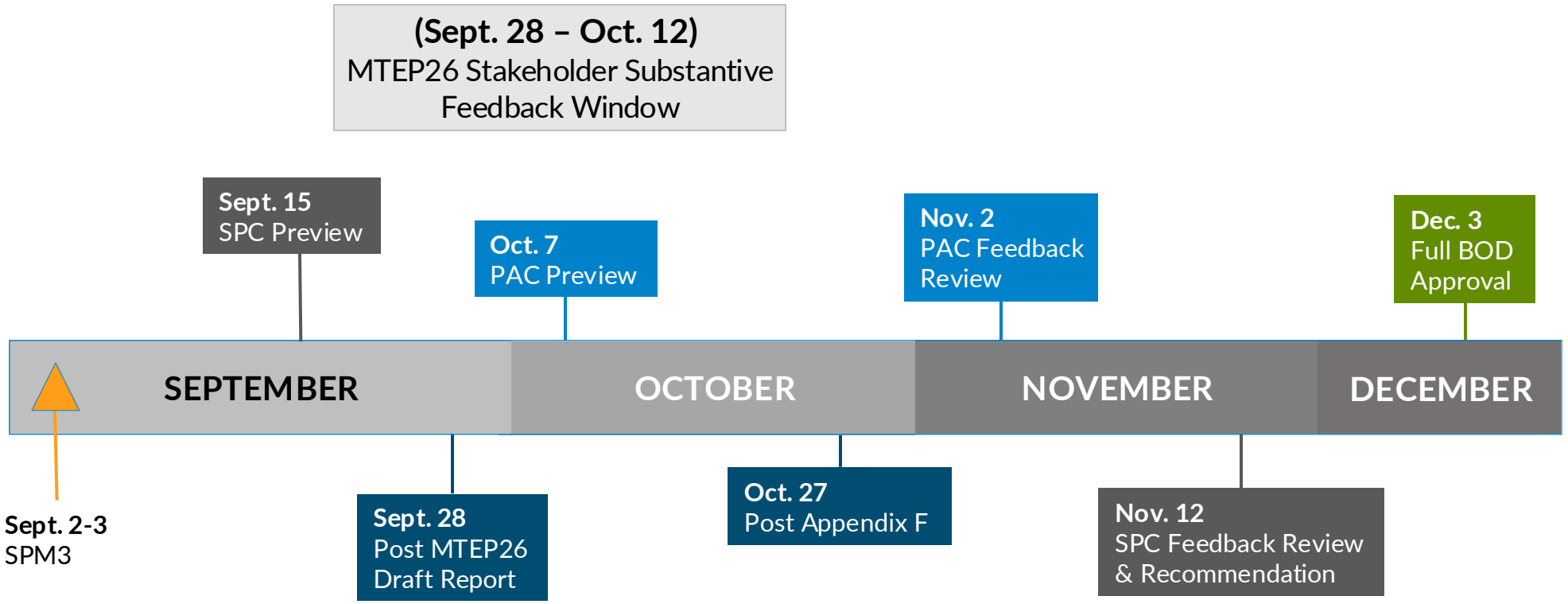

Official MTEP Report






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# MTEP26 Report schedule meets the December Board approval deadline




## NOTICE

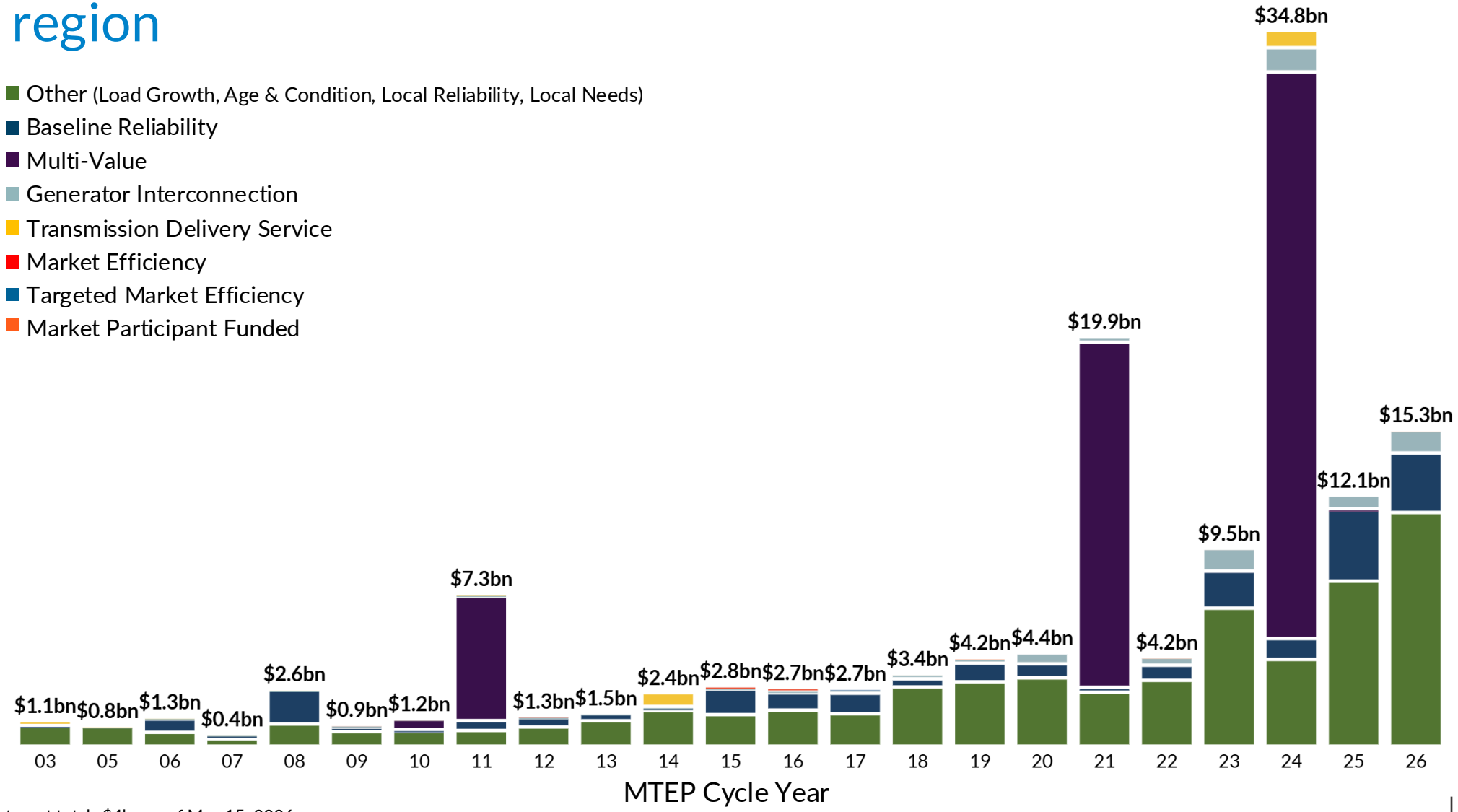
**August 19, 2026 (COB)**
***Deadline*** *to Update Project Information in the MTEP Portal in order to be presented at SPM3 AND included in MTEP26 Report*

- Planning Advisory Committee
- MTEP Report Public Posting
- System Planning Committee
- Board Final
- Stakeholder Deadlines
- Subregional Planning Meetings (SPM)

Dates as of 5/15/2026

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# MTEP is the stakeholder-inclusive planning process to build and maintain economic electrical infrastructure and meet reliability standards for the MISO region



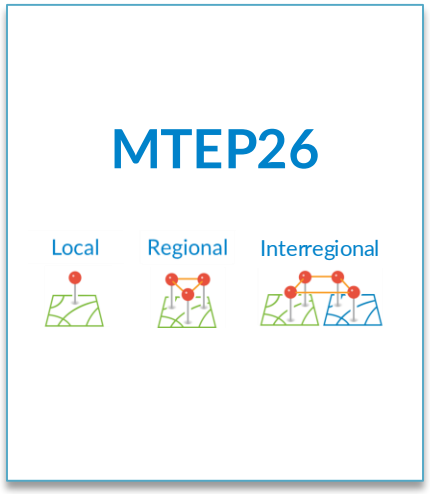

MTEP26 EPR investment totals $4bn as of May 15, 2026.
We anticipate EPR investment to continue throughout the MTEP cycle.

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# MTEP26 Overview



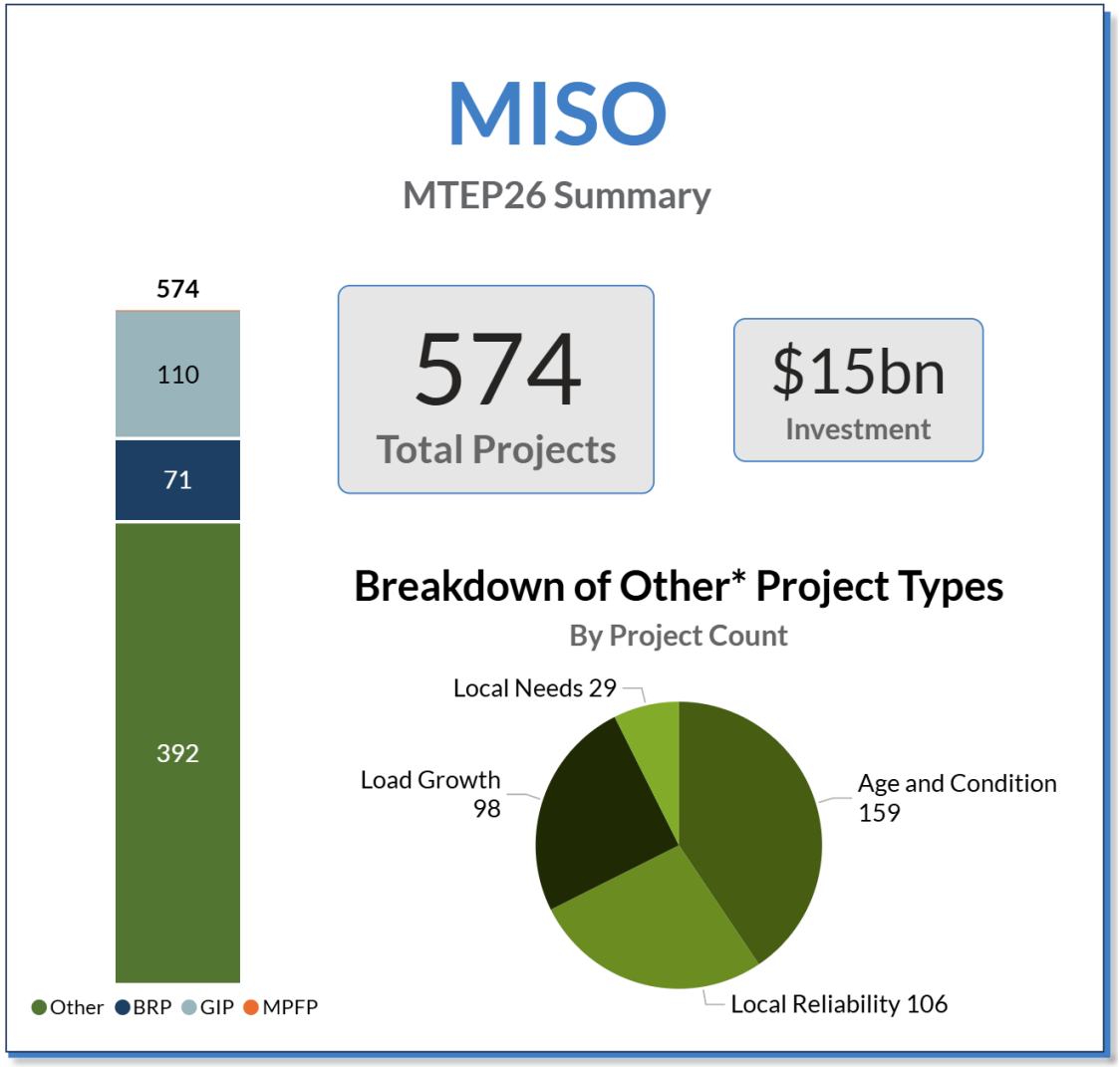
# MISO's MTEP26 focus will include items covering local, regional, and interregional aspects




- **Core Reliability Studies**
  - NERC Transmission Planning (TPL) studies for planning horizon
  - Transmission Service Requests
  - Generator Interconnection Requests
  - System Support Resources studies for generator retirements or suspensions
- **On-Going Efforts**
  - Addressing large load additions
  - Completing Futures Redesign process
  - Midwest Long-Range Transmission Planning (LRTP)
  - South LRTP
  - Interregional planning (e.g., PJM and SPP studies)
  - Tranche 1 and 2.1 implementation support (e.g., regulatory process, competitive transmission administration)
  - Order 1920 compliance


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# MTEP26 consists of projects driven by load growth and local reliability



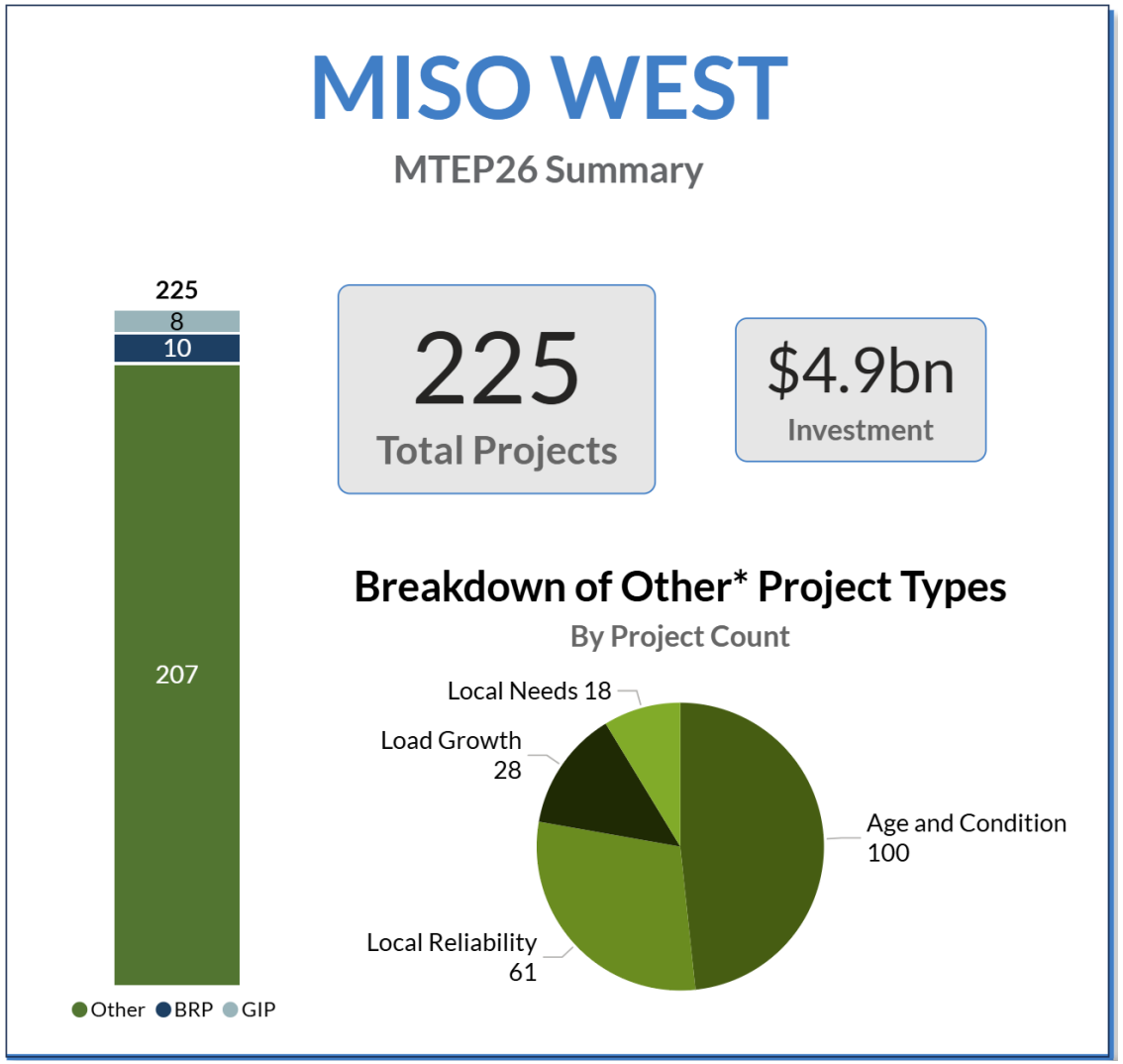

## Insights

- A significant majority of Expedited Project Review (EPR) projects are to facilitate load growth
- Higher Voltage projects are supporting large loads and new generation interconnections
- Members continue to plan and invest in specific local needs as the majority of projects apply at 69 kV or 138 kV

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MISO Portal.
Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.

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# West: Summary of submitted MTEP26 Projects




## West Region Insights

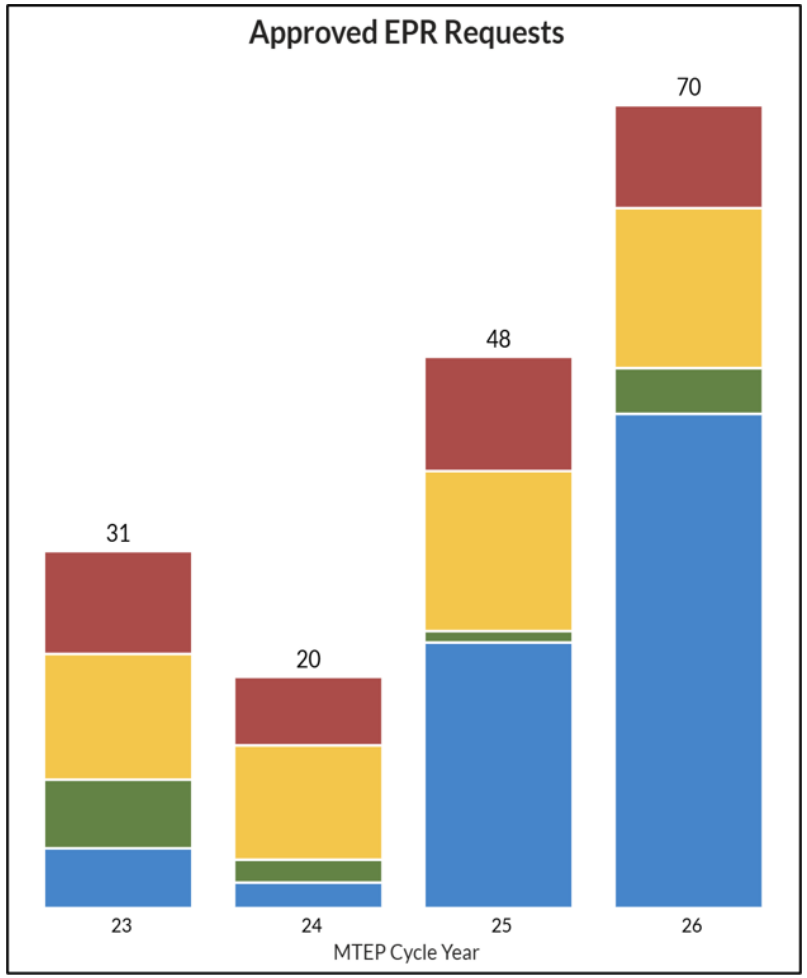
- About a third of project investment in the West region is from EPR projects with large loads associated with them.
- Another third of investment is concentrated in 69 to 115 kV local rebuild projects.
- Majority of projects on the EHV system in the West region are located in Wisconsin and Iowa.

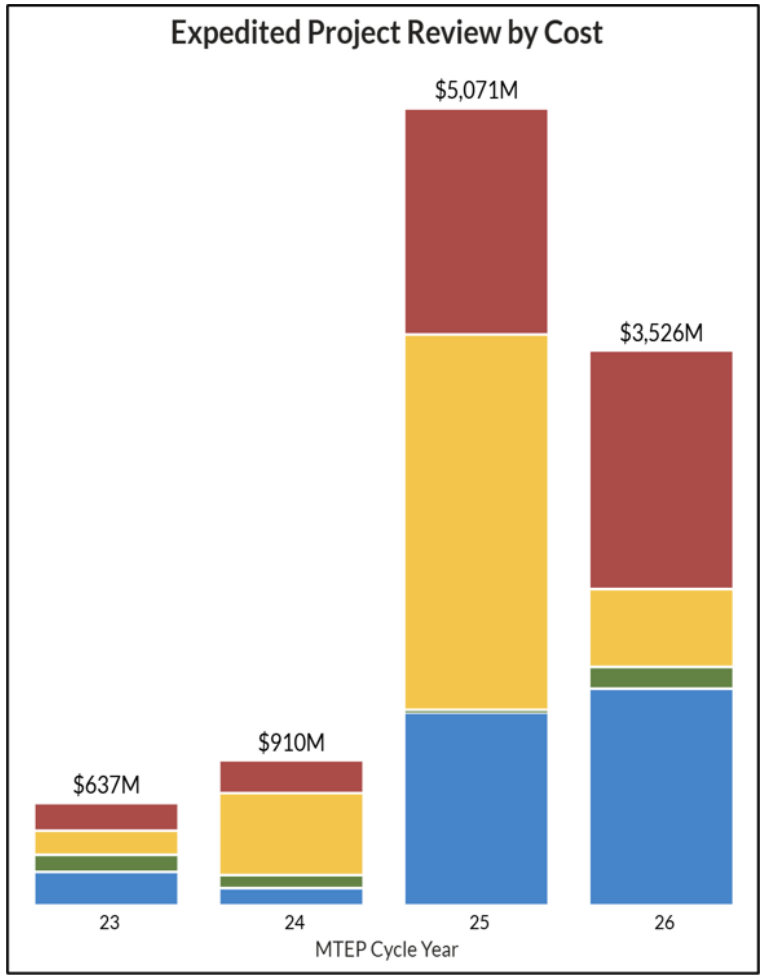
MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MISO Portal.
Project information as of 5/15/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.

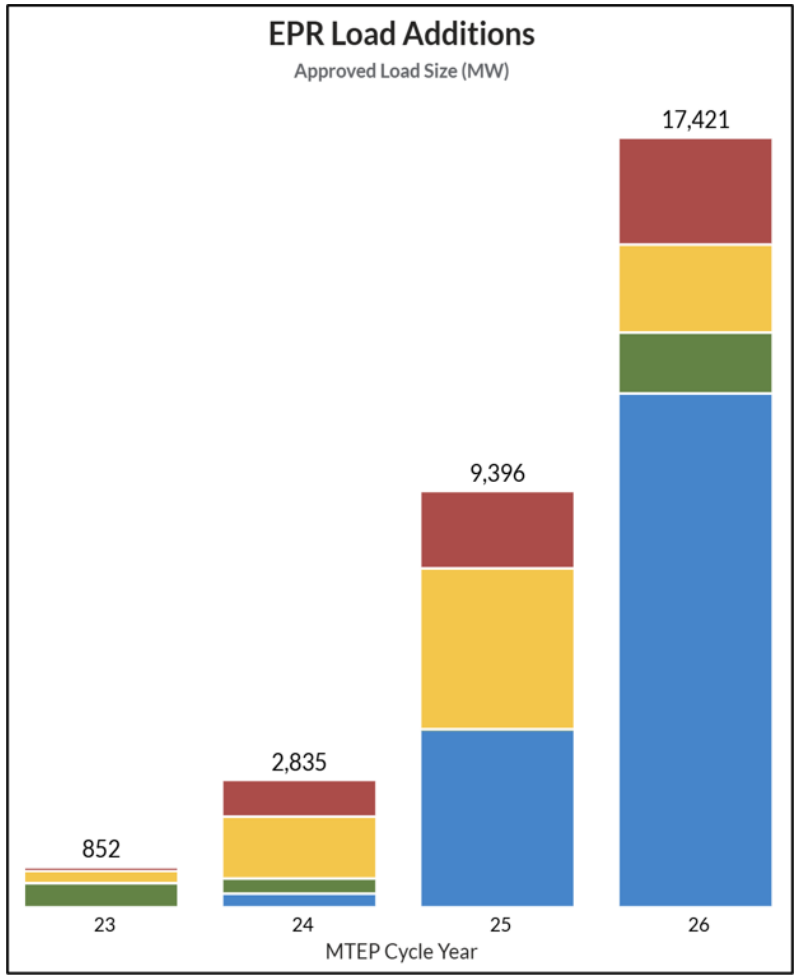


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# Expedited Project Review (EPR) requests continue an upward trend and are driven by load growth



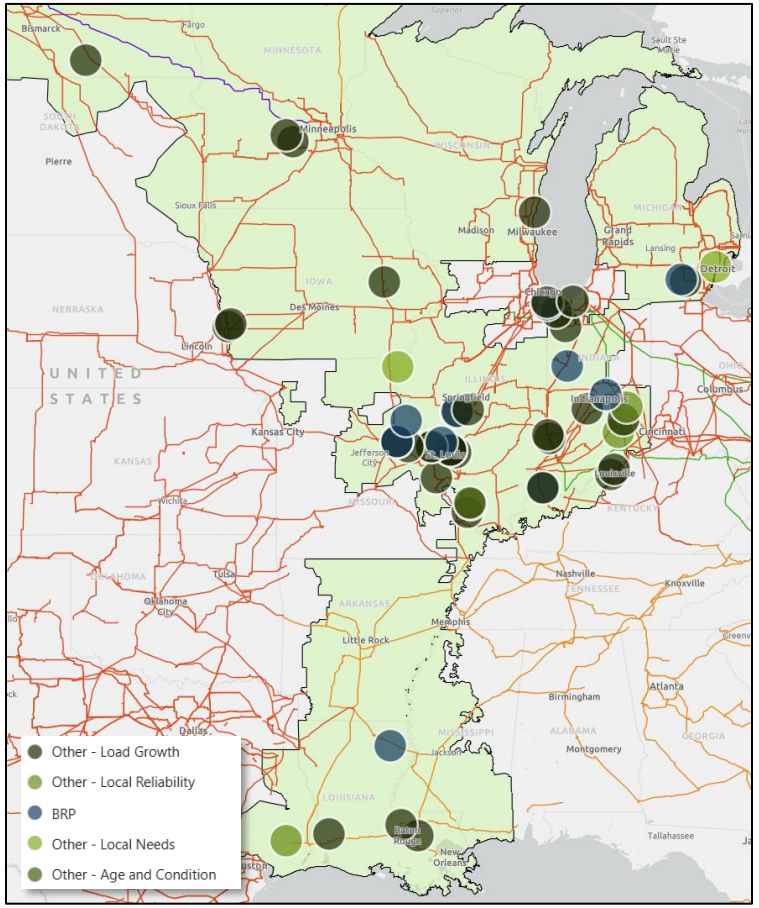

West East Central South

Note: these reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

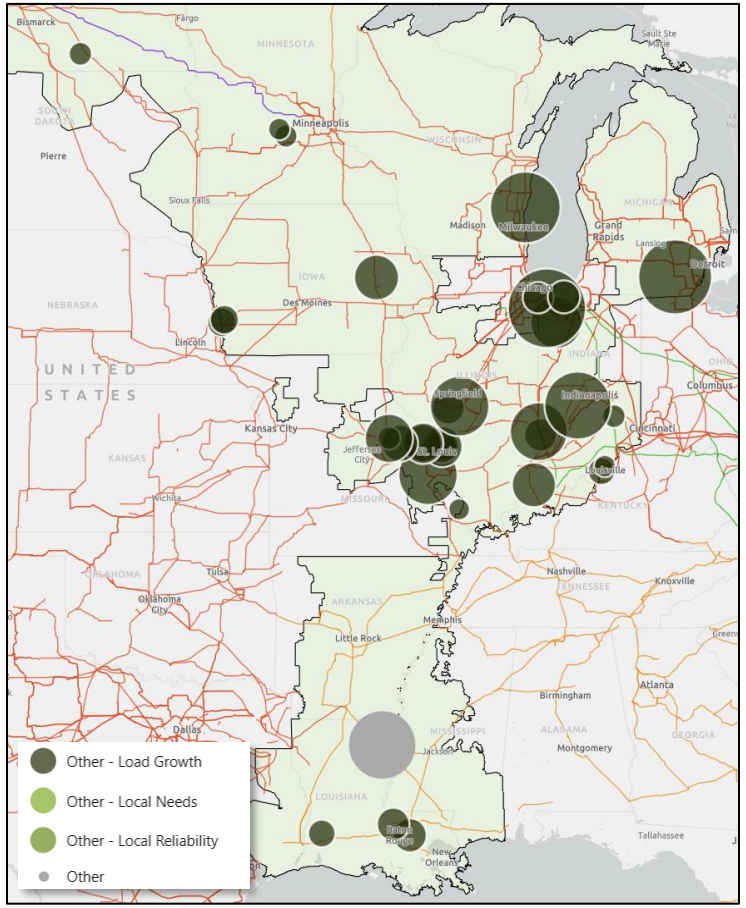
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# Expedited Project Reviews requests span the entire MISO footprint

## MTEP26 EPR Locations




## MTEP26 EPR Spot Load Locations




*Scaled by Load Size*

| MTEP26 Important EPR Dates | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| September 9, 2025 | |
| October 7, 2025 | October 1, 2025 |
| November 4, 2025 | |
| December 2, 2025 | December 1, 2025 |
| January 6, 2026 | |
| February 3, 2026 | February 2, 2026 |
| March 3, 2026 | |
| April 7, 2026 | April 1, 2026 |
| May 5, 2026 | |
| June 9, 2026 | June 1, 2026 |
| July 7, 2026 | |
| August 4, 2026 | August 3, 2026 |

Note: These reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

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# Important Reminder and Next Steps

Things to keep in mind as all MISO Planners present individual TO presentations

- 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*

## Next Steps

### MISO

- Continue performing a global NERC TPL assessment to identify transmission issues
- Assess solutions and alternatives provided by Transmission Owner(s), Stakeholders or MISO staff to ensure compliance
- Select preferred solutions and recommend to Board

### Stakeholders

- Provide process related feedback along with inputs on identified issues and proposed solutions



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# Questions?



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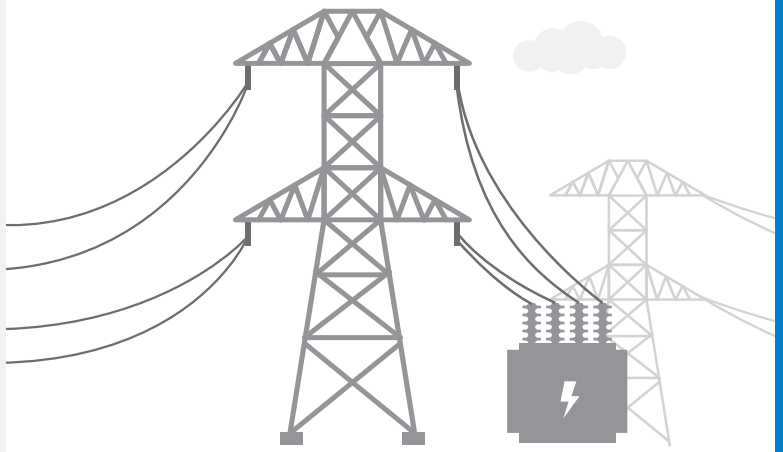
LinkedIn: Midcontinent ISO

# Appendix

# Reliability planning relies on known and committed inputs while long-term regional planning consider projections and trends

## NERC reliability planning (MTEP)

- Load generally modeled as the most probable (50/50) coincident
- Generation resources consider signed GIA and approved Attachment Y by horizon
- MTEP A in service by horizon
- 2, 5, 10 years



## Long-term planning (LRTP)

- Projected load growth by existing economic factors and electrification
- Member plans: Utility IRPs and announced state and utility goals
- MTEP A in service by horizon
- 20+ years

**Local / Near-Term** → **Regional / Long-Term**



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# The reliability analysis scope is consistent with the previous cycle to ensure compliance with NERC standards

| | Steady State Analysis | Transient Stability Analysis | Voltage Stability Analysis | Transfer Capability Assessment | Nuclear Plant Assessment | Generator Deliverability Analysis |
|---|---|---|---|---|---|---|
| Scope | Contingency analysis for both planning and extreme events | Disturbance analysis for both planning and extreme events | Identify voltage stability limits under a set of transfer scenarios | Evaluate transfer capability of the system under various transfer scenarios | Monitor and identify potential NPIR violations | Determine deliverability of existing network resources |
| Horizon | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) | Near term (year 5) | Near term (year 5) | Near and long term (year 2, 5, 10) | Near and long term (year 5, 10) |
| Standard | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • TPL-001-5<br>• FAC-014<br>• PRC- 023 | • FAC-014<br>• PRC- 023 | • FAC-013<br>• FAC-014<br>• PRC- 023 | • NUC-001<br>• PRC-023 | |



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# Project types are updated after needs and solutions have been identified

| MTEP PROJECT CATEGORIES | | | | | | |
|---|---|---|---|---|---|---|
| Multi-Value Projects (MVP) | Market Efficiency Projects (MEP) | Baseline Reliability Projects (BRP) | Generator Interconnection Projects | Transmission Delivery Service Projects | Other Projects | Market Participant Funded Projects |
| Provide regional public policy, economic and/or reliability benefits | Address market transmission congestion | Required to meet standards for both NERC and regional reliability | Needed to reliably connect new generation to the transmission grid | Enable power delivery | Address local reliability issues and/or provide local economic benefit | Funded by project requestor (often not a Transmission Owner) |



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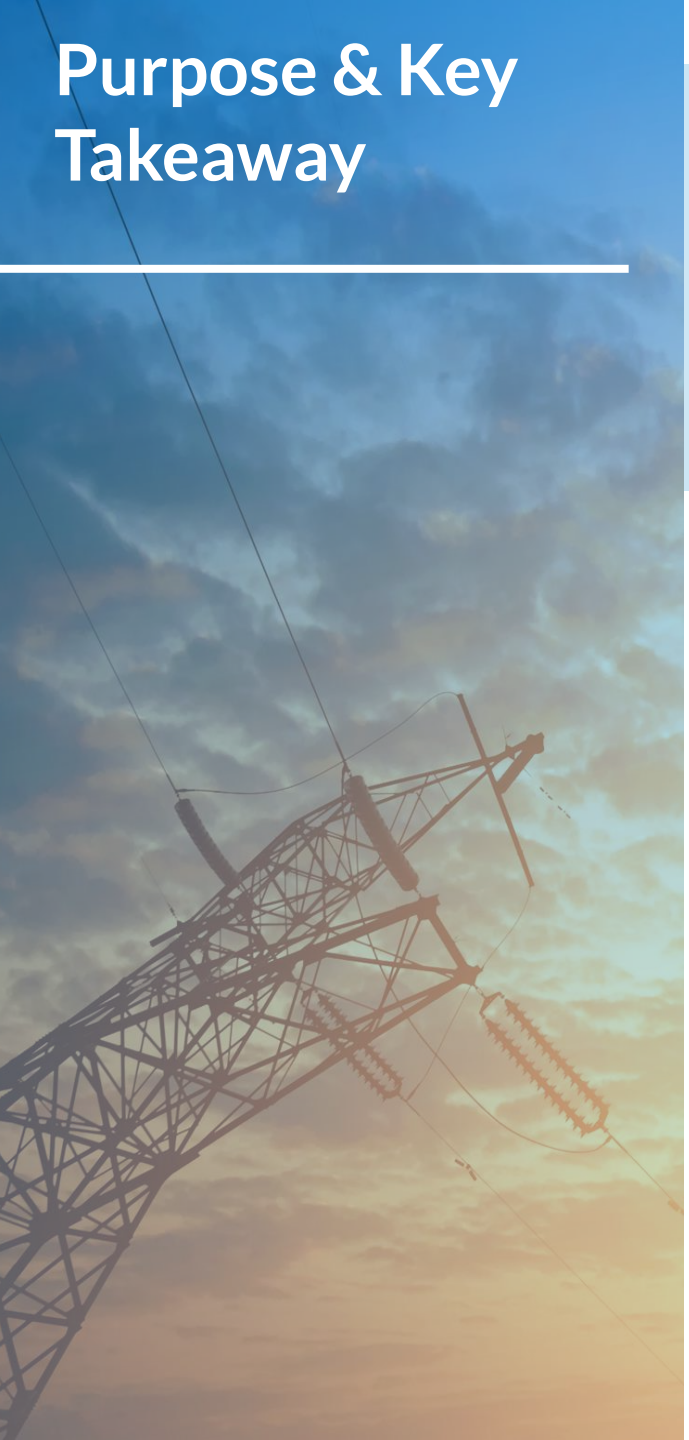

# MTEP26 Project Information

## American Transmission Company; Dairyland Power Cooperative; Northwestern Wisconsin Electric Co.; Rochester Public Utilities

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*



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# West Region Overview

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

- ATC: 78 submitted projects at an estimated cost of $3026 million
- DPC: 9 submitted projects at an estimated cost of $101 million
- Northwestern Wisconsin Electric Co. did not submit projects for consideration in MTEP26
- Rochester Public Utilities did not submit projects for consideration in MTEP26



Unlabeled

# American Transmission Company (ATC)

# ATC: Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50656 | Granville SS Power Transformer Asset Renewal | Other – Age and Condition | Project withdrawn |
| 50667 | Oak Street SS Control Building and Relay Asset Renewal | Other – Age and Condition | Project withdrawn |
| 50679 | Whitewater - University 138 kV (UNIG51), Rebuild | Other – Age and Condition | Project withdrawn |
| 51217 | East Shawano SS Relay Asset Renewal | Other – Age and Condition | Project added to MTEP26 |
| 51218 | West Shawano SS Relay Asset Renewal | Other – Age and Condition | Project added to MTEP26 |
| 51251 | 138 kV Mobile Capacitor Banks | Other – Local Needs | Project added to MTEP26 |
| 51252 | Badger Pumping SS, DIC, Retire Substation | Other – Load Growth | Project added to MTEP26 |
| 51255 | American SS, DIC, Transformer Addition | Other – Load Growth | Project added to MTEP26 |
| 51305 | S1096 North Arlington SS Network Upgrades | GIP | Project added to MTEP26 |
| 51316 | Brick Church - Zenda Tap 69 kV (Y-51 ALE), Partial Rebuild | Other – Local Reliability | Project added to MTEP26 |

Unlabeled

# ATC: Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 25001 | North Monroe - Verona 69 kV (Y-42/Y-208), Rebuild & OPGW | Other – Age and Condition | Project moved to Target A MTEP26 |
| 25002 | North Lake Geneva - Walworth 69 kV (Y-41), Partial Rebuild & OPGW | Other – Age and Condition | Project moved to Target A MTEP26 |
| 25004 | South Lake Geneva - North Lake Geneva 69 kV (Y-152), Partial Rebuild & OPGW | Other – Age and Condition | Project moved to Target A MTEP26 |
| 25020 | Lost Dauphin - Oak St 69 kV (E-31), Partial Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50122 | Columbia SS Power Transformer Asset Renewal | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50131 | Dam Heights - Kirkwood 69 kV (Y-75), Partial Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50132 | Riverside (ALTE) - Erdman 69 kV (Y-82/X-64/X-37), Partial Rebuild & OPGW | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50133 | Zenda - Katzenberg 69 kV (Y-51 ALE), Partial Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50509 | Racine - St. Rita 138 kV (8531), Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50537 | Dam Heights – Sauk City Oak St 69 kV (Y-14), Partial Rebuild & OPGW | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50692 | Badger West 69kV 20ohm Series Reactor | Other – Local Reliability | Project moved to Target A MTEP26 |

Unlabeled

# ATC: Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 16496 | 9 Mile SW STA – Pine River 69kV (6921/23) Line Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 23841 | Pine – Skanawan Tap – Eastom 115kV (I-9), OPGW Addition & Partial Rebuild | Other – Local Needs | Project moved to Target A MTEP26 |
| 50627 | Columbia - Portage 69 kV (Y-99), Partial Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50634 | Aviation - North Fond Du Lac 138 kV (G-111), Partial Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50648 | 3 Mile - 9 Mile 69 kV (ESE_6903/ESE_6902/ESE_6901), Rebuild and Reconfigure | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50649 | East Campus - Blount 69 kV (6906), Replace Underground Cable | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50652 | Glenview - Lost Dauphin 69 kV (F-6), Partial Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50653 | North Mullet River - Sheboygan Falls 69 kV (Y-50), Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50654 | Maplewood - Badger 138 kV (W-75), Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50657 | Hiawatha SS Control Building, Relays and Breaker Ends Asset Renewal | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50658 | Lone Rock SS Phase Shifter, Breaker, and Relay Asset Renewals | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50661 | Fitchburg SS Control Building, Relay, Breaker and Remote Ends Asset Renewal | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50677 | Shingleton - Seney (UPPCO) 69 kV (Inland), Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50681 | Kansas (Norwich Term) - Harbor 138 kV (KANG41), Replace Underground Cable | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50682 | Mukwonago - University 138 kV (UNIG52), Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |



Unlabeled

# ATC: Update on Current Cycle Projects since SPM1

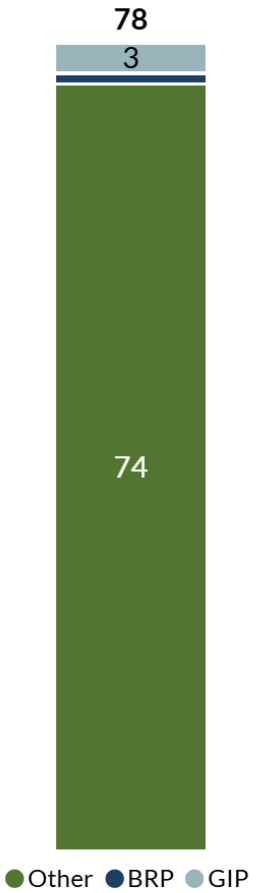
| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50712 | Gwinn - Munising 69 kV (Autrain), Partial Rebuild | Other – Age and Condition | Project moved to Target A MTEP26 |
| 50767 | Magazine – Portage St., New 69 kV Line | Other – Local Needs | Project moved to Target A MTEP26 |
| 50770 | Western UP Reliability Project | BRP | Project moved to Target A MTEP26 |
| 51115 | TPL-001-5.1 SPFs Phase 2, Address Remaining 13c and 13d | Other – Local Reliability | Project moved to Target A MTEP26 |
| 51163 | Innovation Park SS, DIC, New Substation | Other – Load Growth | Project moved to Target A MTEP26 |
| 51206 | Y-95 Sectionalizing Project | Other – Local Needs | Project moved to Target A MTEP26 |
| 50180 | Communications Reliability Program 2027 | Other – Local Needs | Project cost decreased from $1M to $0.5M |
| 51112 | Townline Rd - Rock River 138 kV, Construct New Line | Other – Local Reliability | Project cost increased from $10M to $12.5M |
| 25019 | Gran Grae - Hillside 69 kV (Y-161), Rebuild & OPGW | Other – Age and Condition | Project cost increased from $12M to $16M |
| 50659 | North Madison 69kV SS Power Transformer and Breaker Asset Renewal | Other – Age and Condition | Project cost increased from $9.3M to $30.7M |
| 50716 | Woodview Lane SS, DIC, New Substation | Other – Load Growth | Project ISD changed from 3/31/2027 to 12/1/2028, Project cost increased from $20M to $50.8M |



Unlabeled

# AMERICAN TRANSMISSION COMPANY

## MTEP26 Projects

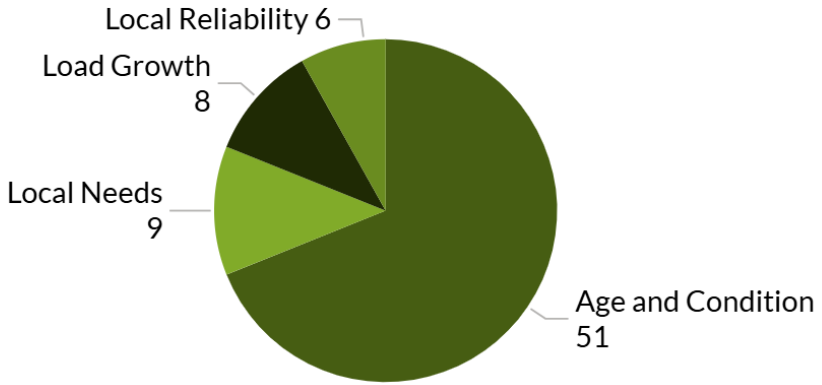



**78**
Total Projects

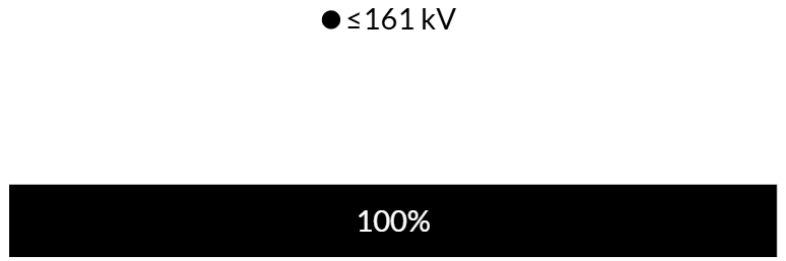
**$3,026M**
Investment

### Breakdown of Other Project Types

By Project Count

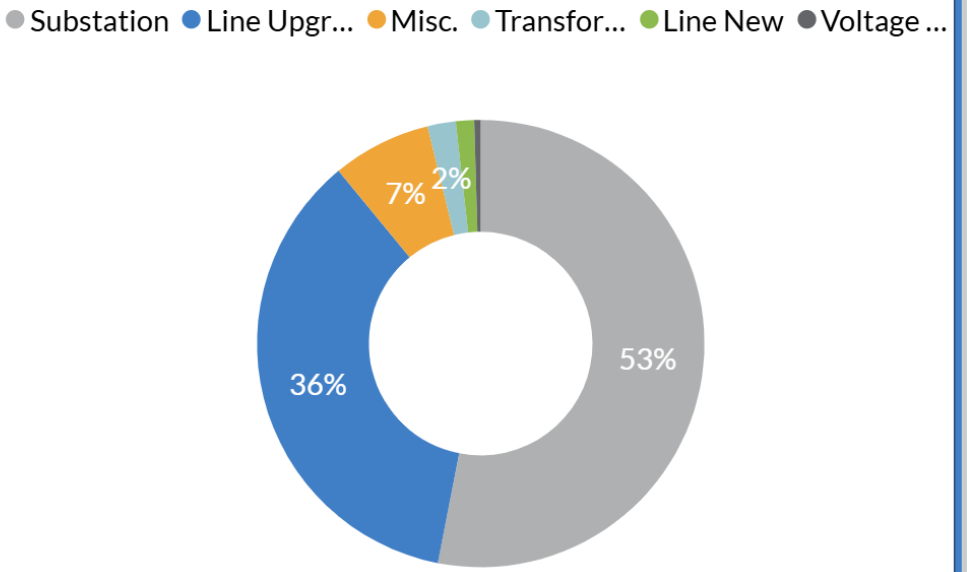



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

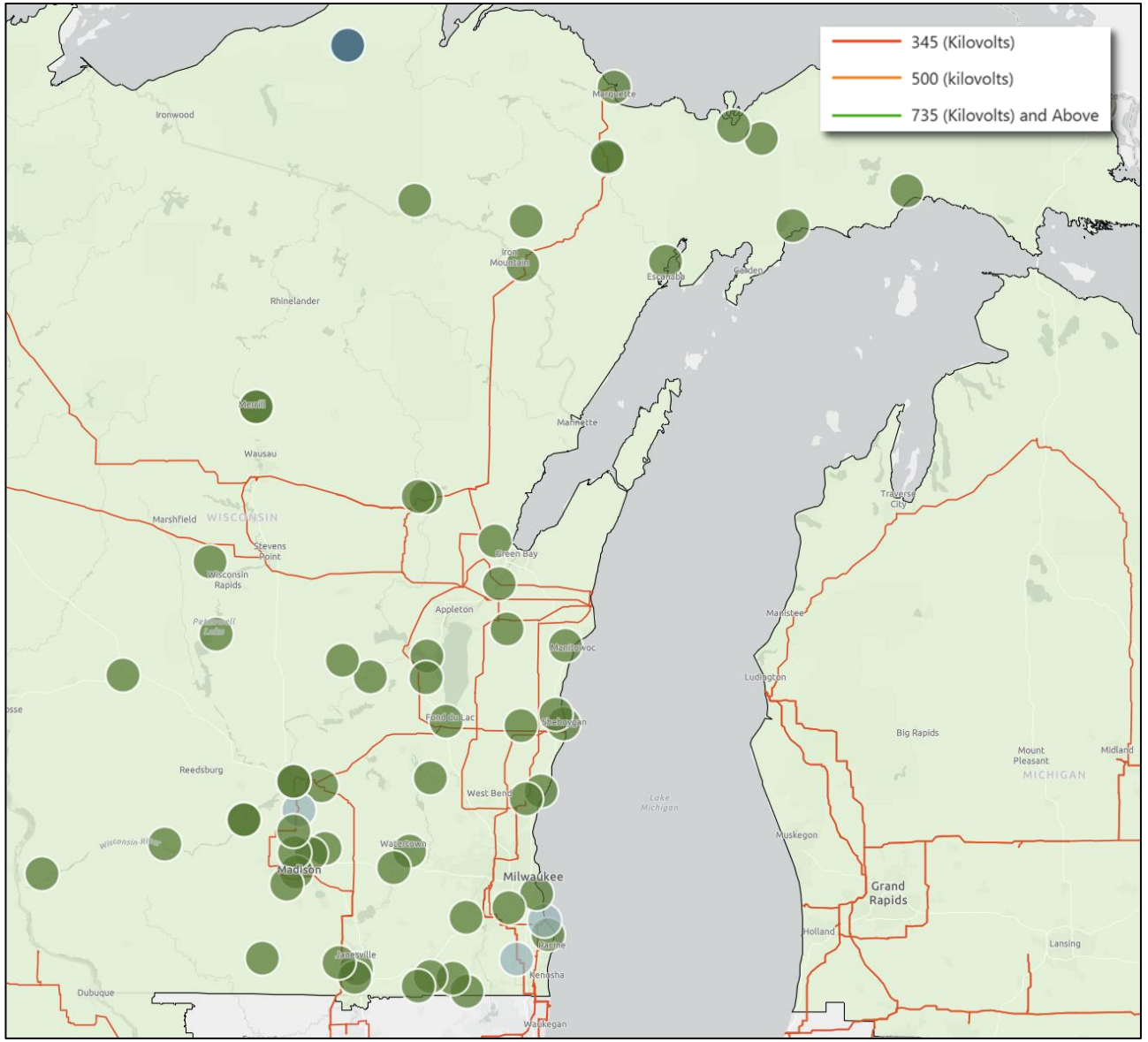
Unlabeled

# ATC MTEP26 Project Type Breakdown

## AMERICAN TRANSMISSION COMPANY

MTEP26 Summary

| | |
|---|---|
| GIP | 3 |
| BRP | 1 |
| Other | 74 |

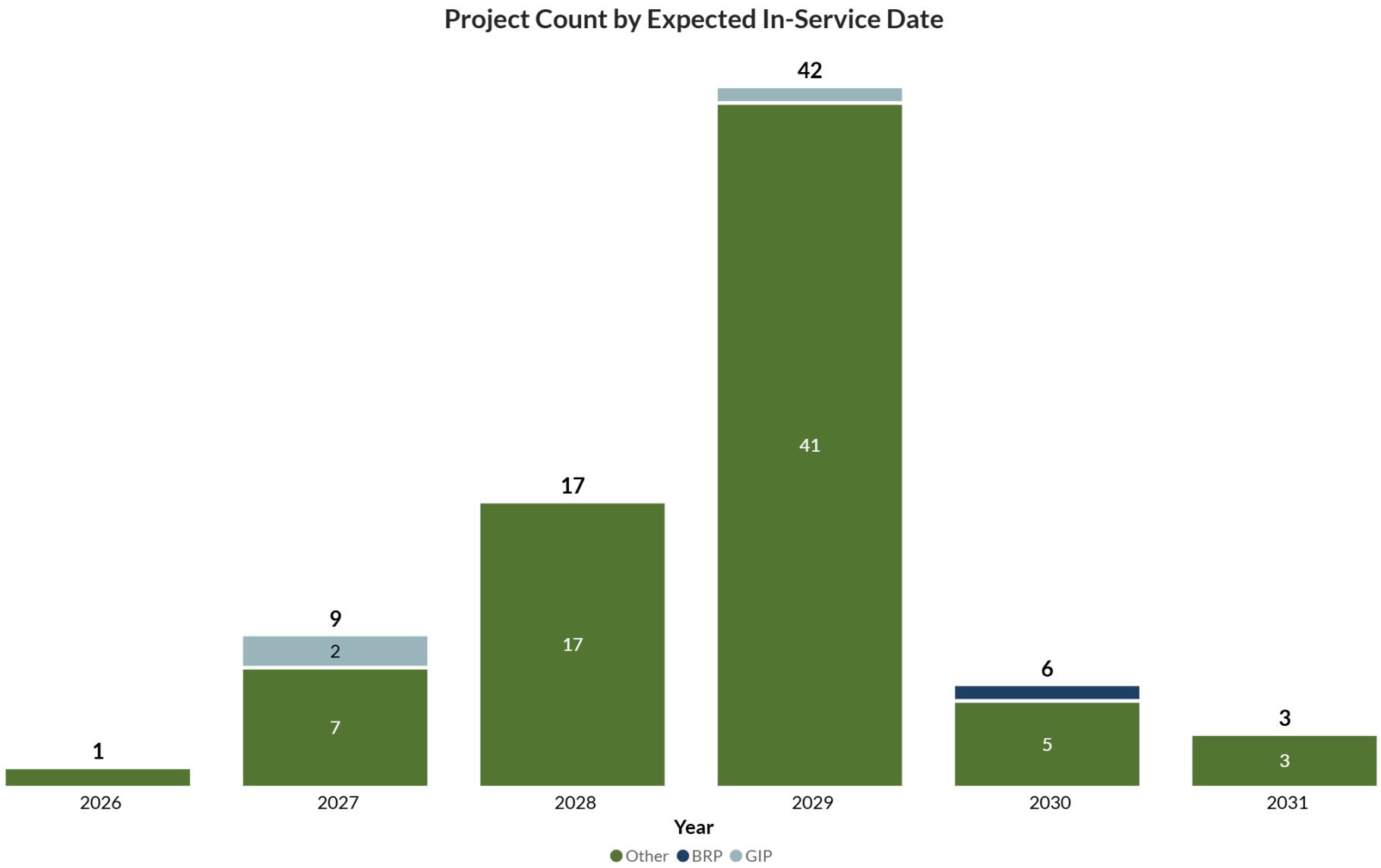



Project information as of 5/15/26.



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# ATC MTEP26 ISD Breakdown



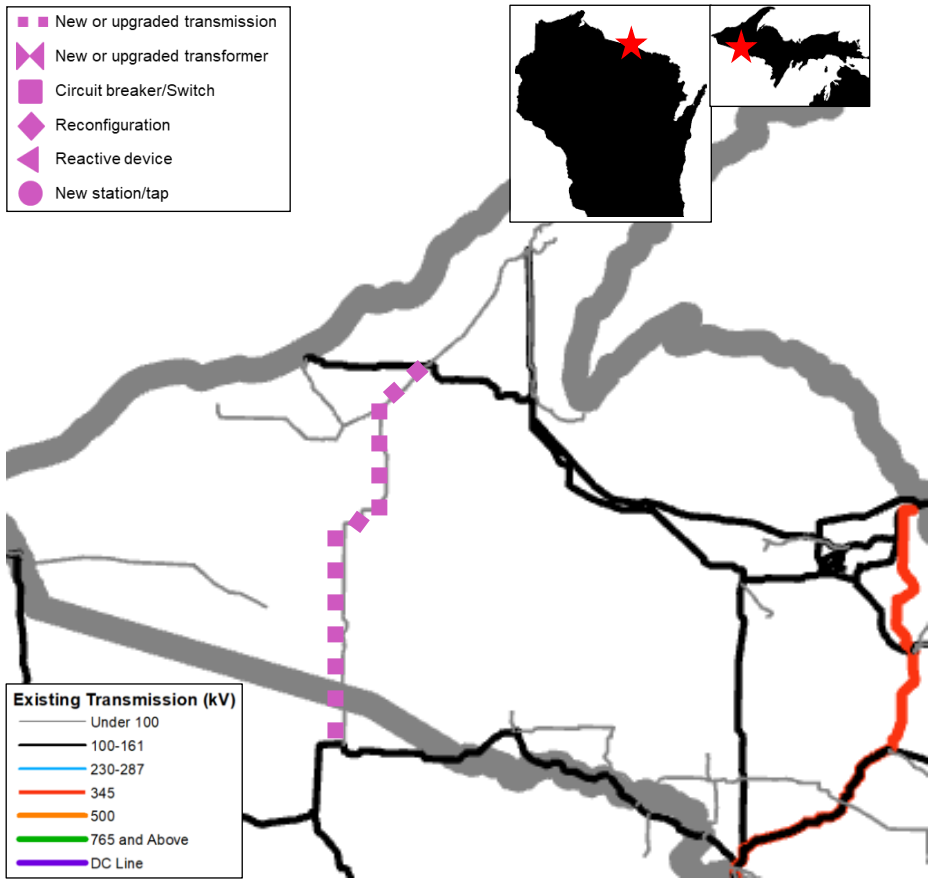

Project information as of 5/15/26.

Unlabeled

# Baseline Reliability Projects (BRPs)



# Baseline Reliability Project
# Details for Western UP Reliability Project




| MTEP Project ID | 50770 |
|---|---|
| Project Name | Western UP Reliability Project |
| Project Type | BRP |
| Project Description | Rebuild the Conover – Mass 69 kV line (6530) and Mass – Winona 69 kV line (Mass) to double circuit 138/69 kV from Lakota Rd to Winona due to reliability. |
| System Need | Baseline Reliability |
| Current Cost | $235.9 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |

Unlabeled

# Baseline Reliability Project
# Details for Western UP Reliability Project

The corridor from [ATC] Conover 69 kV to [ATC] Winona 69 kV results in overloads and low voltage due to multiple NERC defined P6 contingencies in the surrounding area. Post-contingent, the maximum overload is up to 133%. Age and condition are also need drivers for this corridor. Rebuilding the corridor with 138/69 kV double circuit connecting to [ATC] Winona 138 kV from [ATC] Lakota Rd 138 kV will address both base line reliability and asset renewal needs. By adding a third 138 kV feed, The Western UP Reliability Project provides operational flexibility for a region that has historically had operational challenges.

**MTEP25 (Thermal/Voltage) Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | [ATC] Conover 69 kV to [ATC] Winona 69 kV | 133 | <20 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Other Projects

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 16496 | 9 Mile SW STA – Pine River 69kV (6921/23) Line Rebuild | Age and Condition | 08/01/2028 | $85.2 M |
| 23841 | Pine – Skanawan Tap – Eastom 115kV (I-9), OPGW Addition & Partial Rebuild | Local Needs | 05/31/2031 | $55.0 M |
| 24981 | Presque Isle SS Breaker and Relay Asset Renewal | Age and Condition | 02/01/2028 | $17.3 M |
| 25001 | North Monroe - Verona 69 kV (Y-42/Y-208), Rebuild & OPGW | Age and Condition | 07/03/2028 | $49.0 M |
| 25002 | North Lake Geneva - Walworth 69 kV (Y-41), Partial Rebuild & OPGW | Age and Condition | 12/31/2028 | $23.3 M |
| 25004 | South Lake Geneva - North Lake Geneva 69 kV (Y-152), Partial Rebuild & OPGW | Age and Condition | 08/01/2027 | $11.0 M |
| 25019 | Gran Grae - Hillside 69 kV (Y-161), Rebuild & OPGW | Age and Condition | 07/01/2027 | $16.0 M |
| 25020 | Lost Dauphin - Oak St 69 kV (E-31), Partial Rebuild | Age and Condition | 02/01/2029 | $11.4 M |
| 50122 | Columbia SS Power Transformer Asset Renewal | Age and Condition | 12/01/2028 | $12.3 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50131 | Dam Heights - Kirkwood 69 kV (Y-75), Partial Rebuild | Age and Condition | 11/30/2028 | $25.7 M |
| 50132 | Riverside (ALTE) - Erdman 69 kV (Y-82/X-64/X-37), Partial Rebuild & OPGW | Age and Condition | 03/30/2028 | $29.0 M |
| 50133 | Zenda - Katzenberg 69 kV (Y-51 ALE), Partial Rebuild | Age and Condition | 05/30/2028 | $22.3 M |
| 50179 | Small Capital Project and Asset Renewal Program 2027 | Age and Condition | 12/31/2029 | $81.0 M |
| 50180 | Communications Reliability Program 2027 | Local Needs | 06/30/2029 | $0.5 M |
| 50181 | Line Clearance Mitigation Program 2027 | Local Reliability | 06/30/2029 | $5.1 M |
| 50182 | Load Interconnection Program 2027 | Load Growth | 06/30/2029 | $13.9 M |
| 50509 | Racine - St. Rita 138 kV (8531), Rebuild | Age and Condition | 06/01/2030 | $28.9 M |
| 50537 | Dam Heights – Sauk City Oak St 69 kV (Y-14), Partial Rebuild & OPGW | Age and Condition | 06/01/2029 | $14.0 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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50620 | Portage Street Breaker and SCADA Asset Renewal | Age and Condition | 12/01/2029 | $4.5 M |
| 50627 | Columbia - Portage 69 kV (Y-99), Partial Rebuild | Age and Condition | 12/01/2029 | $15.5 M |
| 50634 | Aviation - North Fond Du Lac 138 kV (G-111), Partial Rebuild | Age and Condition | 12/01/2029 | $35.0 M |
| 50635 | Concord SS Breaker and Relay Asset Renewal | Age and Condition | 12/01/2029 | $3.4 M |
| 50638 | I-61/Q-43 69 kV Partial Rebuilds & OPGW | Local Needs | 12/31/2030 | $17.0 M |
| 50639 | Sun Prairie - Highway 151, Fiber Installation | Local Needs | 12/31/2029 | $4.0 M |
| 50640 | Old Mead Road to Masonville, Underground Fiber Installation | Local Needs | 12/31/2029 | $9.0 M |
| 50641 | Iron Grove to Lincoln Ave (UPPCO) 69 kV (CRFY21), OPGW Installation | Local Needs | 12/31/2029 | $5.0 M |
| 50645 | Erdman - Edgewater 69 kV (Y-31), Partial Rebuild | Age and Condition | 12/01/2029 | $6.5 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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50648 | 3 Mile - 9 Mile 69 kV (ESE_6903/ESE_6902/ESE_6901), Rebuild and Reconfigure | Age and Condition | 12/30/2029 | $36.0 M |
| 50649 | East Campus - Blount 69 kV (6906), Replace Underground Cable | Age and Condition | 12/01/2029 | $18.1 M |
| 50650 | Berlin - Ripon 69 kV (Y-93), Partial Rebuild | Age and Condition | 01/01/2029 | $5.5 M |
| 50652 | Glenview - Lost Dauphin 69 kV (F-6), Partial Rebuild | Age and Condition | 09/01/2029 | $29.0 M |
| 50653 | North Mullet River - Sheboygan Falls 69 kV (Y-50), Rebuild | Age and Condition | 06/01/2029 | $27.1 M |
| 50654 | Maplewood - Badger 138 kV (W-75), Rebuild | Age and Condition | 06/01/2029 | $55.0 M |
| 50657 | Hiawatha SS Control Building, Relays and Breaker Ends Asset Renewal | Age and Condition | 12/01/2029 | $11.0 M |
| 50658 | Lone Rock SS Phase Shifter, Breaker, and Relay Asset Renewals | Age and Condition | 12/01/2029 | $10.4 M |
| 50659 | North Madison 69kV SS Power Transformer and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $30.7 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50660 | Nordic SS Power Transformer Asset Renewal | Age and Condition | 12/01/2029 | $8.2 M |
| 50661 | Fitchburg SS Control Building, Relay, Breaker and Remote Ends Asset Renewal | Age and Condition | 12/01/2029 | $12.8 M |
| 50662 | Plains SS Relay, Instrument Transformers and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $8.0 M |
| 50663 | Mayville SS Control Building, Relays and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $5.6 M |
| 50664 | Rio Pumping Station SS Control Building, Relay and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $5.4 M |
| 50665 | Huiskamp SS Control Building and Relay Asset Renewal | Age and Condition | 12/01/2029 | $5.0 M |
| 50666 | Sigel SS Control Building and Relay Asset Renewal | Age and Condition | 12/01/2029 | $4.8 M |
| 50668 | Forsyth SS Breaker and Relay Asset Renewal | Age and Condition | 12/01/2029 | $3.4 M |
| 50669 | Manitowoc Area SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $6.4 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50672 | St Martins - Oak Creek 138kV, reconfigure facilities to form new network line | Local Reliability | 12/29/2028 | $5.6 M |
| 50676 | Indian Lake SS Switch, Relay and Remote Ends Asset Renewal | Age and Condition | 12/01/2029 | $3.3 M |
| 50677 | Shingleton - Seney (UPPCO) 69 kV (Inland), Rebuild | Age and Condition | 12/01/2030 | $110.0 M |
| 50681 | Kansas (Norwich Term) - Harbor 138 kV (KANG41), Replace Underground Cable | Age and Condition | 12/01/2031 | $56.0 M |
| 50682 | Mukwonago - University 138 kV (UNIG52), Rebuild | Age and Condition | 06/01/2031 | $87.0 M |
| 50684 | ESE_6903 East Riser - ESE_6903 West Riser 69 kV (ESE_6903), Replace Underground Cable | Age and Condition | 12/31/2030 | $5.7 M |
| 50692 | Badger West 69kV 20ohm Series Reactor | Local Reliability | 05/31/2027 | $5.0 M |
| 50712 | Gwinn - Munising 69 kV (Autrain), Partial Rebuild | Age and Condition | 06/01/2028 | $18.4 M |
| 50714 | Morris St SS, DIC, Substation Rebuild | Load Growth | 12/28/2028 | $9.9 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50716 | Woodview Lane SS, DIC, New Substation | Load Growth | 12/01/2028 | $50.8 M |
| 50717 | GoodHue SS, DIC, New Substation | Load Growth | 12/25/2028 | $8.3 M |
| 50745 | Physical Security Program 2026 Asset Renewal | Age and Condition | 12/01/2026 | $5.6 M |
| 50767 | Magazine – Portage St., New 69 kV Line | Local Needs | 02/01/2029 | $21.9 M |
| **51057** | **Ozaukee County, DIC, New Substations** | **Load Growth** | **12/01/2027** | **$1300.0 M** |
| 51099 | Physical Security Program 2027 ISD Asset Renewal | Age and Condition | 12/01/2027 | $6.2 M |
| 51100 | Physical Security Program 2028 ISD Asset Renewal | Age and Condition | 12/01/2028 | $4.6 M |
| 51112 | Townline Rd - Rock River 138 kV, Construct New Line | Local Reliability | 06/01/2028 | $12.5 M |
| 51115 | TPL-001-5.1 SPFs Phase 2, Address Remaining 13c and 13d | Local Reliability | 07/01/2029 | $10.5 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.

Unlabeled

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51163 | Innovation Park SS, DIC, New Substation | Load Growth | 12/01/2028 | $15.9 M |
| 51188 | Council Creek SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $6.0 M |
| 51189 | Munising SS AR Asset Renewal | Age and Condition | 12/01/2029 | $4.7 M |
| 51204 | Arrester Asset Renewal Program 2029 | Age and Condition | 12/01/2029 | $8.1 M |
| 51206 | Y-95 Sectionalizing Project | Local Needs | 11/01/2030 | $20.0 M |
| 51217 | East Shawano SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $4.1 M |
| 51218 | West Shawano SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $4.1 M |
| 51251 | 138 kV Mobile Capacitor Banks | Local Needs | 06/30/2027 | $9.0 M |
| 51252 | Badger Pumping SS, DIC, Retire Substation | Load Growth | 10/01/2027 | $5.9 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51255 | American SS, DIC, Transformer Addition | Load Growth | 04/29/2028 | $5.0 M |
| 51316 | Brick Church - Zenda Tap 69 kV (Y-51 ALE), Partial Rebuild | Local Reliability | 06/01/2029 | $29.8 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

# Generator Interconnection Projects (GIPs)

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50726 | R1053 Oak Creek/Elm Road SS, Interconnection Facilities and Network Upgrades | 03/31/2027 | $2.7 M |
| 51144 | E0012 SS Network Upgrades and Interconnection Facilities | 12/31/2029 | $70.5 M |
| 51305 | S1096 North Arlington SS Network Upgrades | 12/31/2027 | $0.2 M |



Unlabeled

# Dairyland Power Cooperative (DPC)

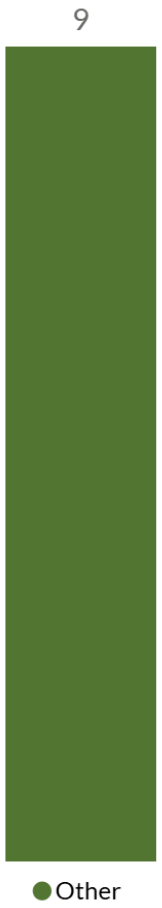
# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50983 | Caledonia Area 69 kV Rebuild | Other – Age and Condition | Project ISD changed from 2/18/2030 to 7/24/2031 |
| 50999 | Leland to Forest City N43 69 kV Rebuild | Other – Age and Condition | Project ISD changed from 1/21/2030 to 9/3/2030 |
| 51012 | Decorah to Nordness N8 69 kV Rebuild | Other – Local Reliability | Project ISD changed from 4/8/2030 to 10/22/2030 |
| 51015 | Apple River Transformers Upgrade | Other – Local Reliability | Project ISD changed from 9/30/2031 to 10/31/2029 |
| 51021 | Wabaco to CapX Q34 161 kV Rebuild | Other – Local Reliability | Project ISD changed from 8/25/2028 to 1/14/2028 |


Unlabeled

# DAIRYLAND POWER COOPERATIVE

## MTEP26 Projects

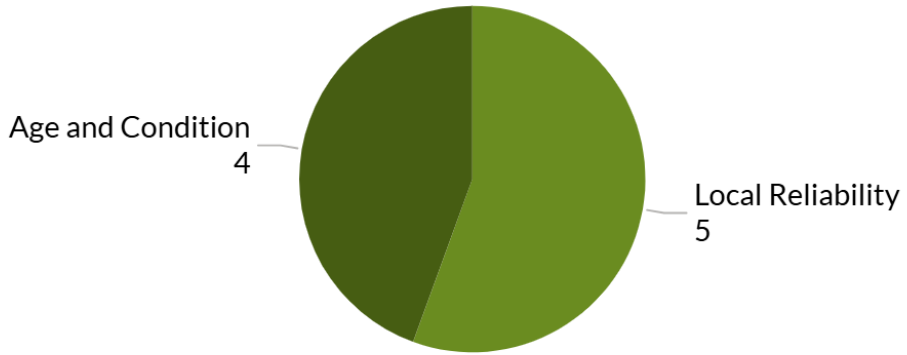



**9**
Total Projects

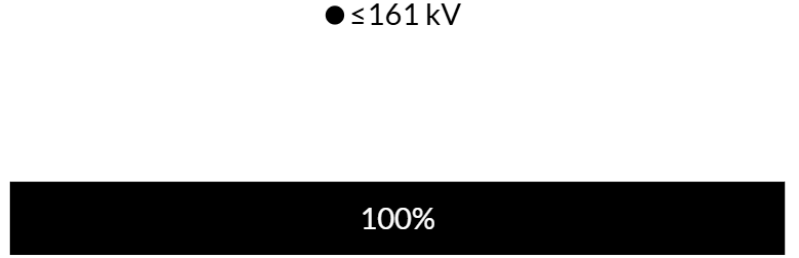
**$101M**
Investment

### Breakdown of Other Project Types

By Project Count

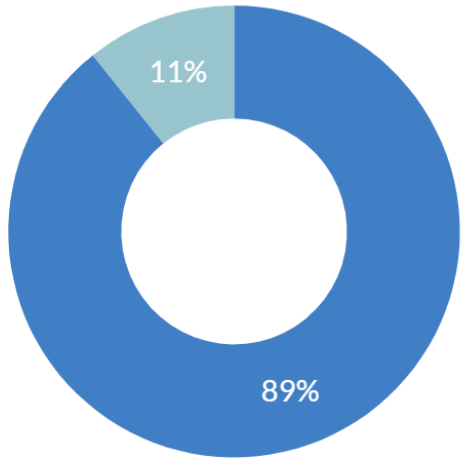



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



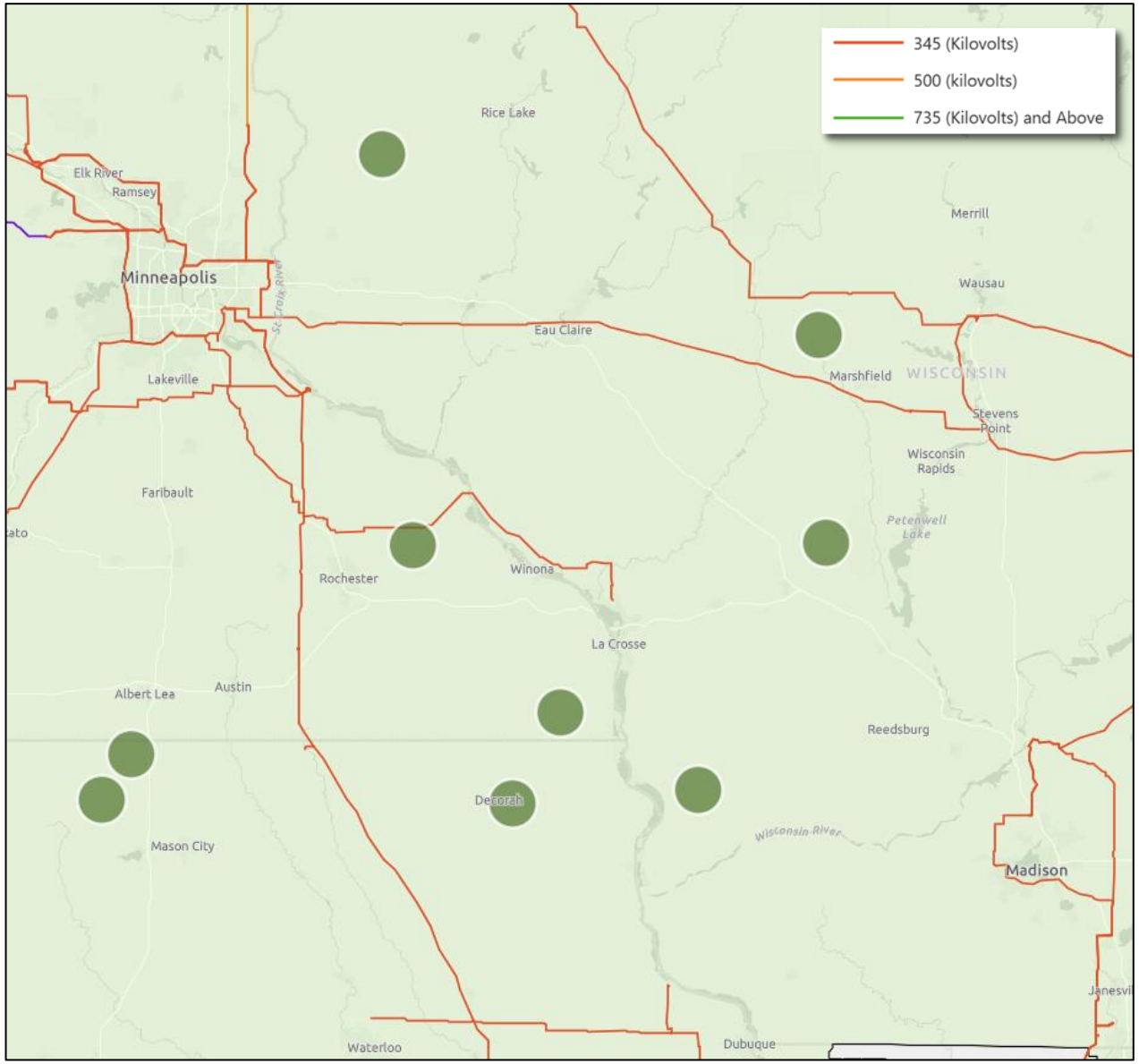
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# DPC MTEP26 Project Type Breakdown

## DAIRYLAND POWER COOPERATIVE

MTEP26 Summary

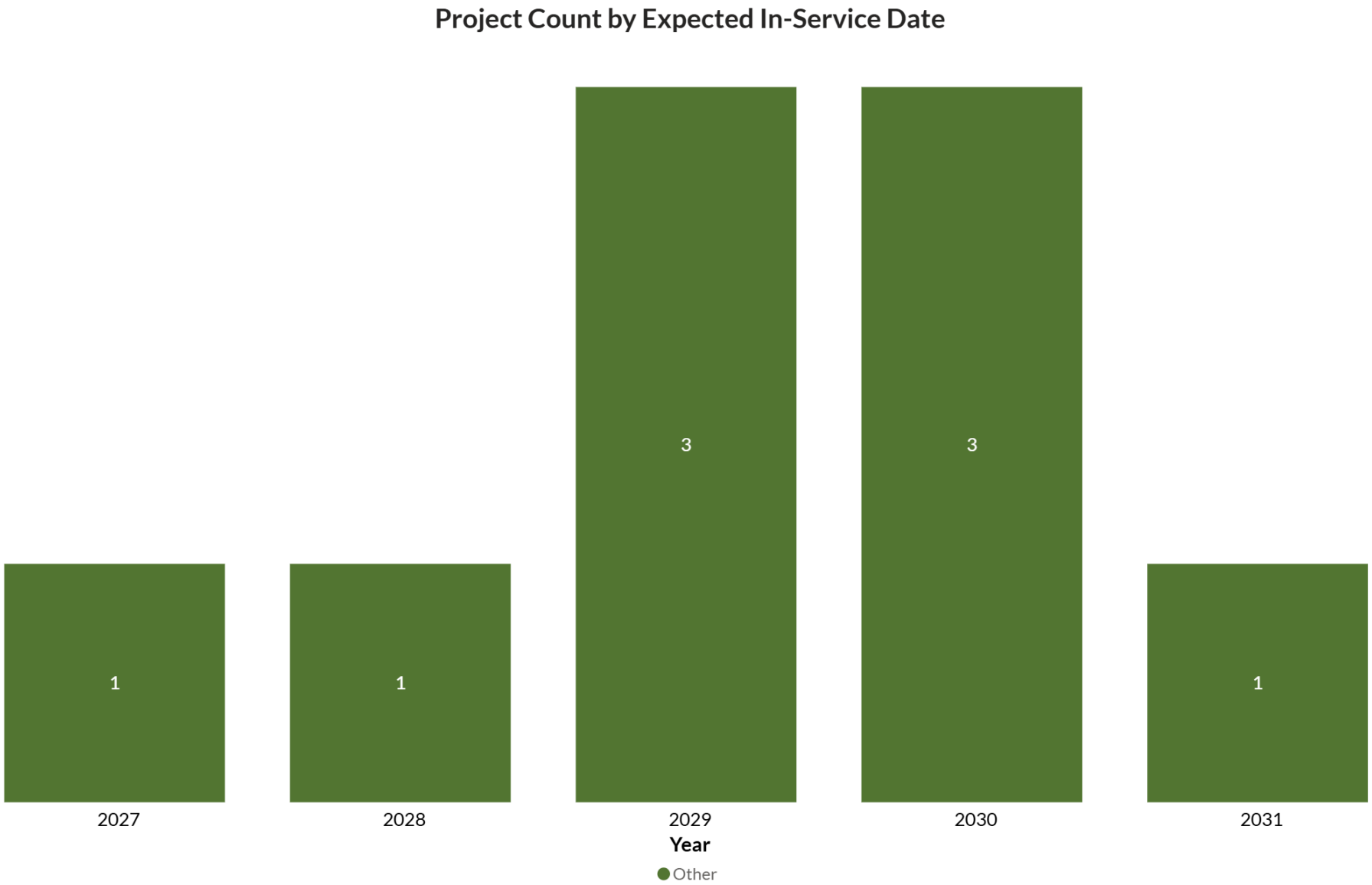
| | |
|---|---|
| GIP | (Blank) |
| BRP | (Blank) |
| Other | 9 |




Project information as of 5/15/26.

Unlabeled

# DPC MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other Projects

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50983 | Caledonia Area 69 kV Rebuild | Age and Condition | 07/24/2031 | $1.9 M |
| 50999 | Leland to Forest City N43 69 kV Rebuild | Age and Condition | 09/03/2030 | $4.4 M |
| 51003 | Leland to Twin Lakes N40 69 kV Rebuild | Age and Condition | 11/16/2029 | $17.2 M |
| 51008 | Loyal to T-Corners N45 69 kV Rebuild | Local Reliability | 02/09/2029 | $15.3 M |
| 51009 | Oakdale to Babcock N55 69 kV Rebuild | Local Reliability | 11/15/2030 | $31.1 M |
| 51012 | Decorah to Nordness N8 69 kV Rebuild | Local Reliability | 10/22/2030 | $4.3 M |
| 51013 | Bell Center to Gays Mills 69 kV Rebuild | Age and Condition | 07/20/2027 | $7.3 M |
| 51015 | Apple River Transformers Upgrade | Local Reliability | 10/31/2029 | $10.9 M |
| 51021 | Wabaco to CapX Q34 161 kV Rebuild | Local Reliability | 01/14/2028 | $8.9 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

# Contacts

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Unlabeled

# 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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misoenergy.org

LinkedIn: Midcontinent ISO



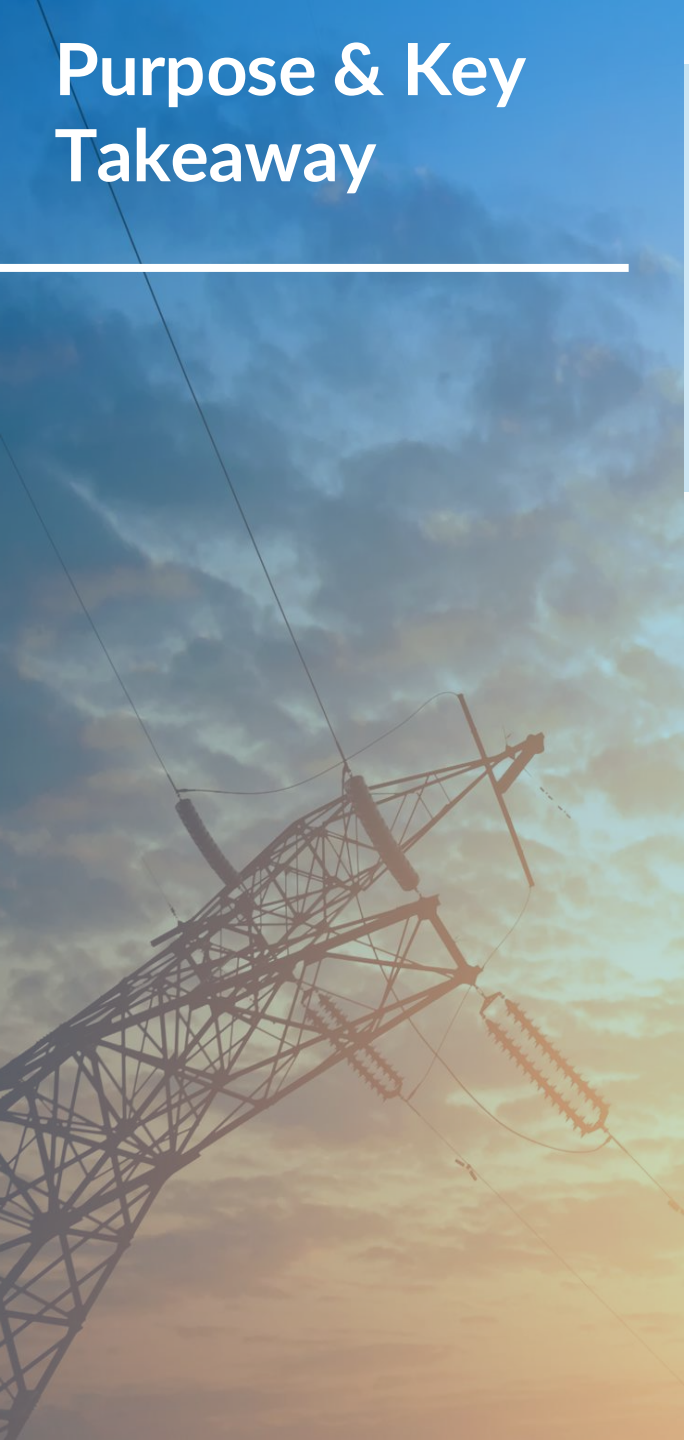

# MTEP26 Project Information

## 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

Unlabeled

# 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 |



Unlabeled

# GREAT RIVER ENERGY

## MTEP26 Projects

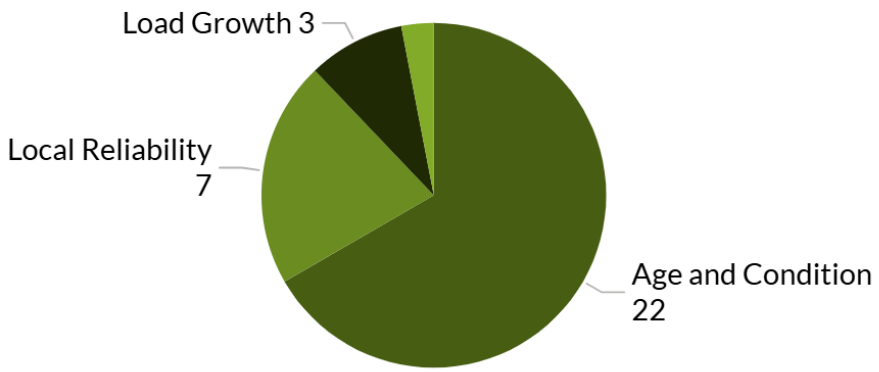



**34**
Total Projects

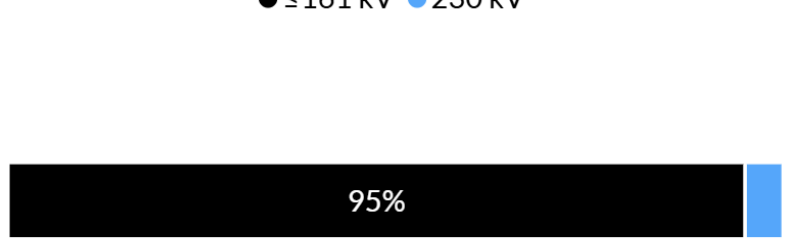
**$426M**
Investment

### Breakdown of Other Project Types

By Project Count

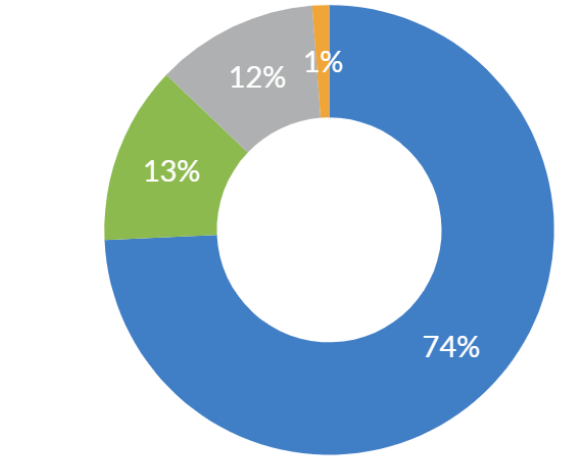



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

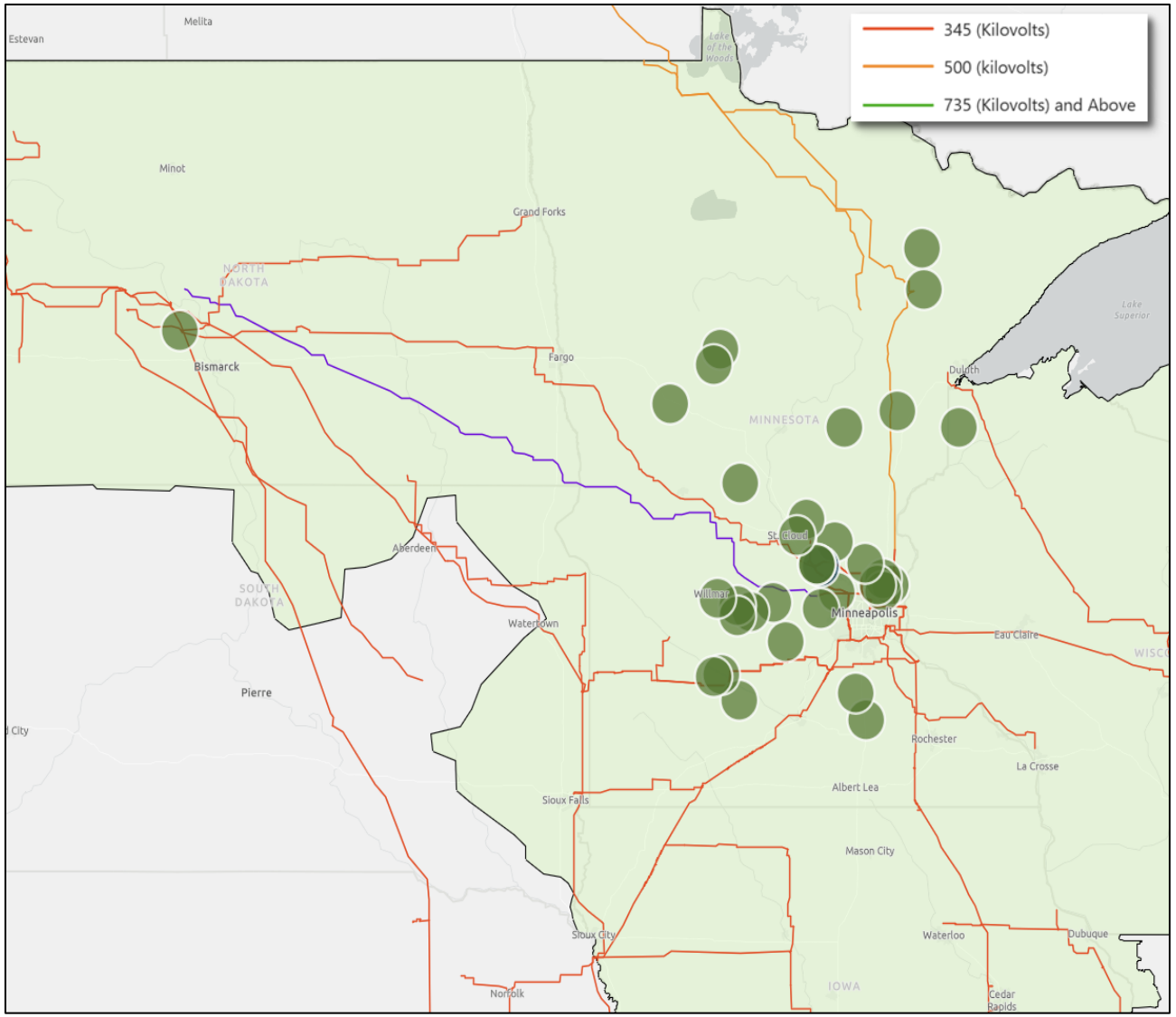
Unlabeled

# GRE MTEP26 Project Type Breakdown

## GREAT RIVER ENERGY

### MTEP26 Summary

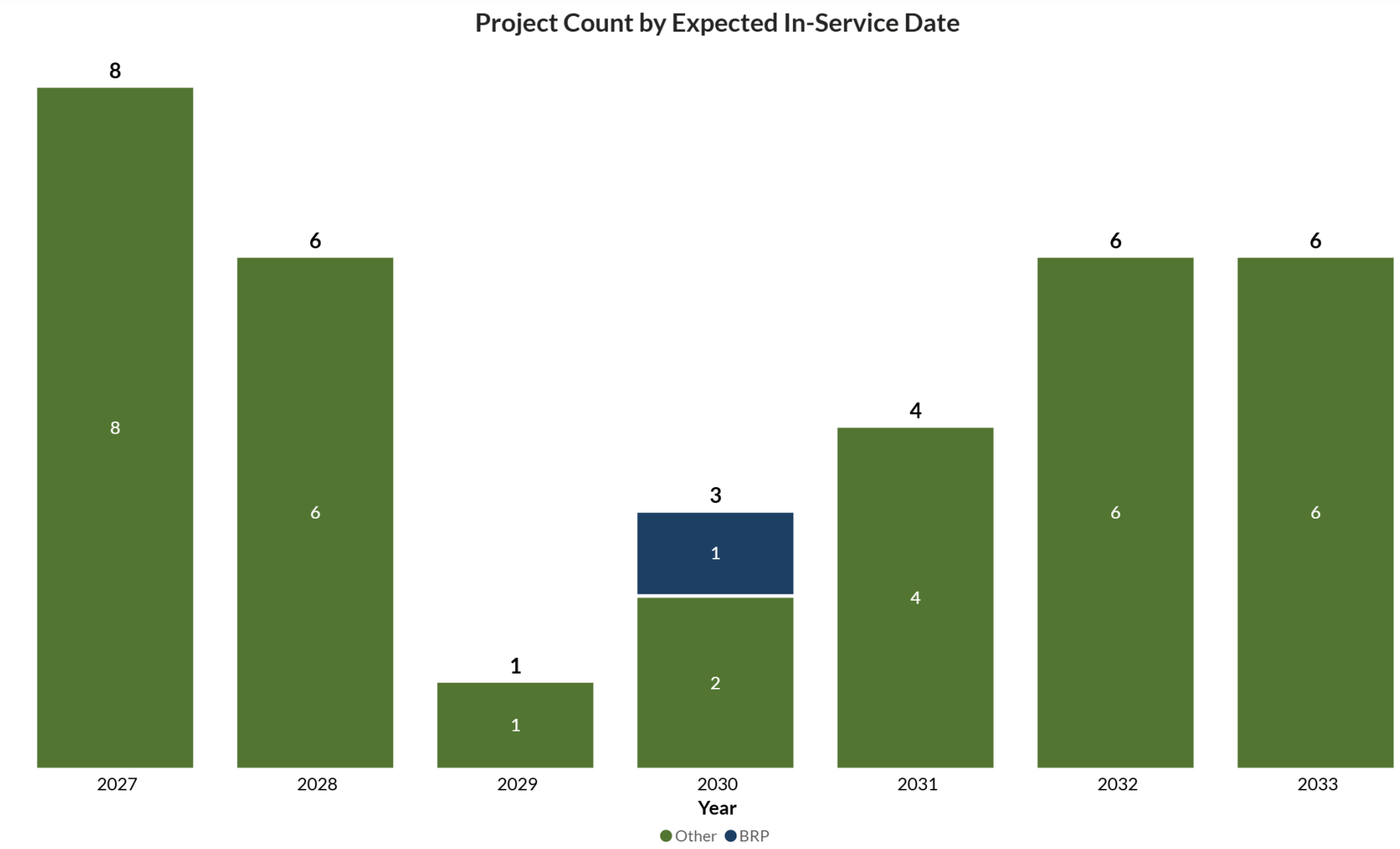
| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 33 |




Project information as of 5/15/26.

Unlabeled

# GRE MTEP26 ISD Breakdown

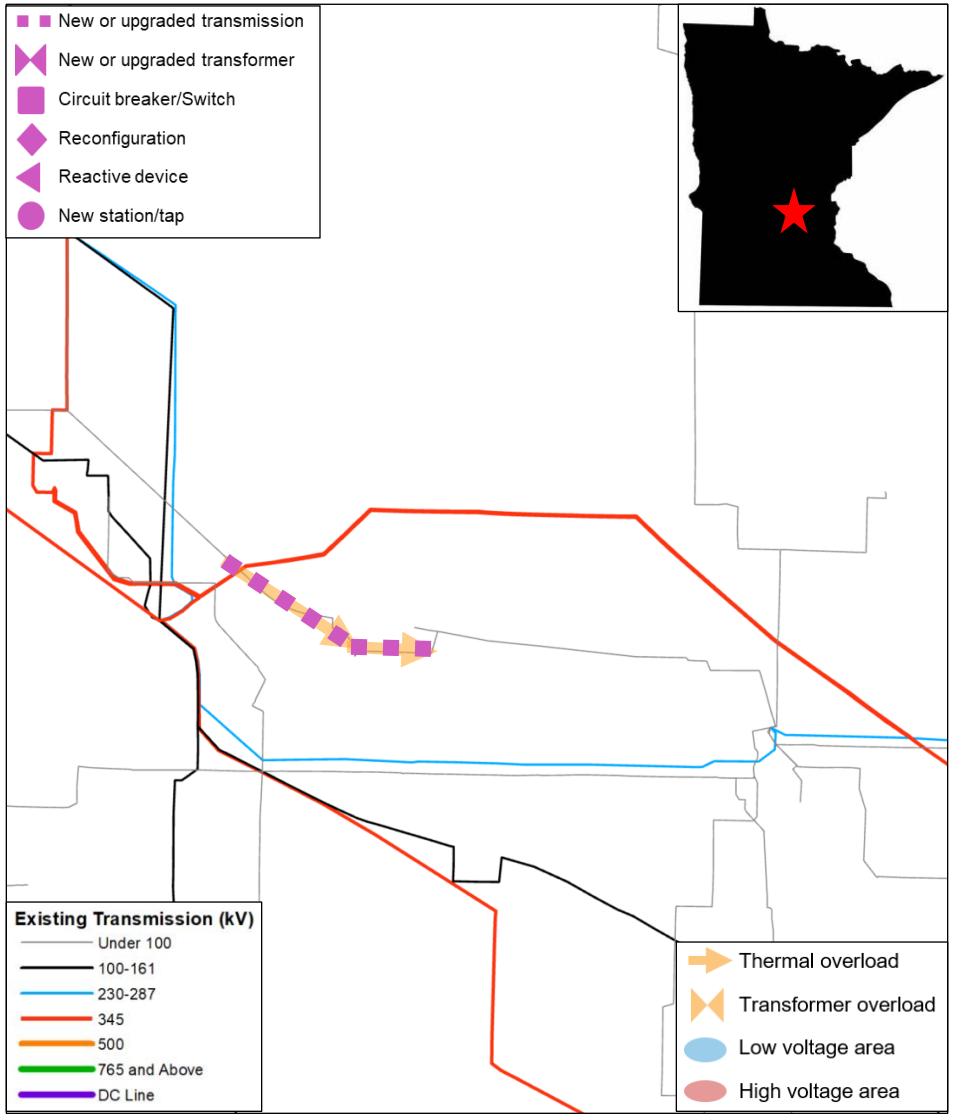



Project information as of 5/15/26.

# 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.<br><br>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 |



Unlabeled

# 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 |

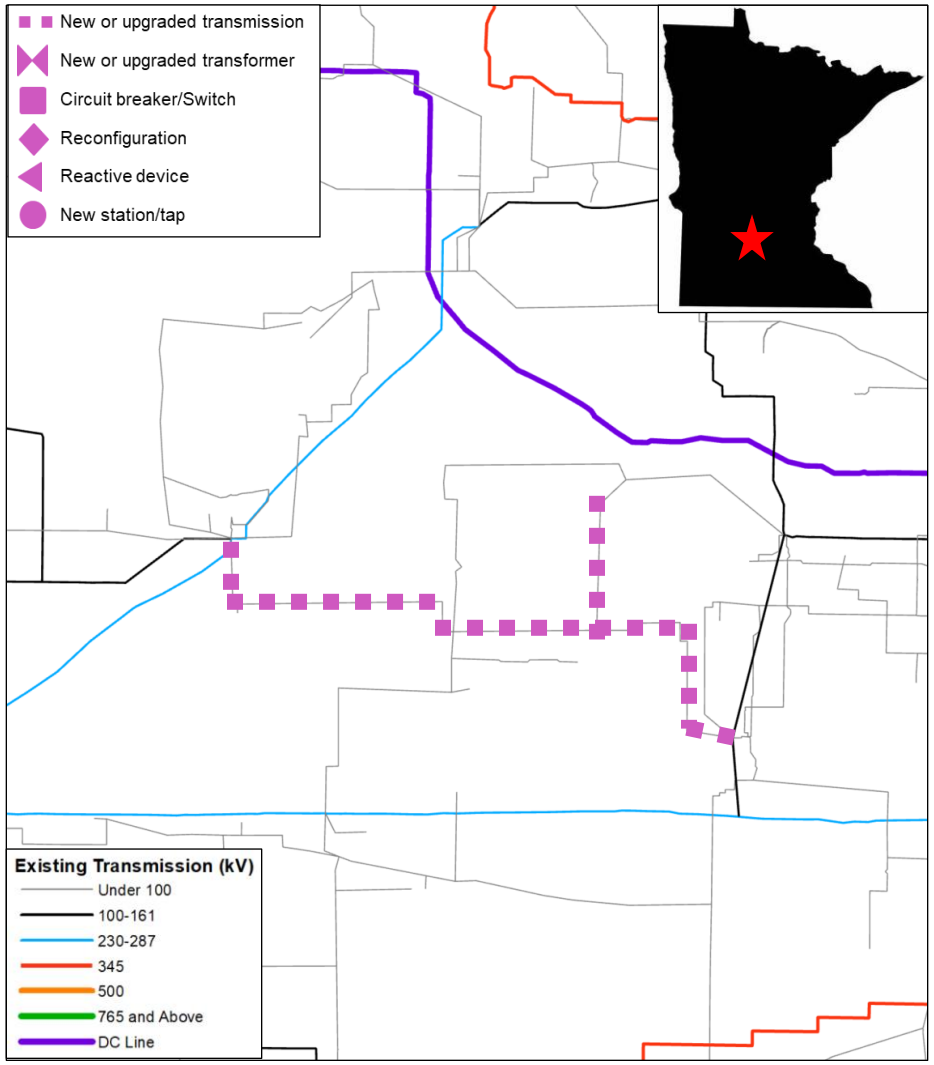
Preliminary Recommendation: Move to Appendix A



Unlabeled

# 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 |



Unlabeled

# 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 |
| **50780** | **West Glencoe** | **Load Growth** | **10/31/2027** | **$6.5 M** |
| 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.

Unlabeled

# 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 |

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

# 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 |

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

# 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 |

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

# Missouri River Energy Services Transmission (MRES)

# MISSOURI RIVER ENERGY SERVICES - TRANSMISSION

## MTEP26 Projects

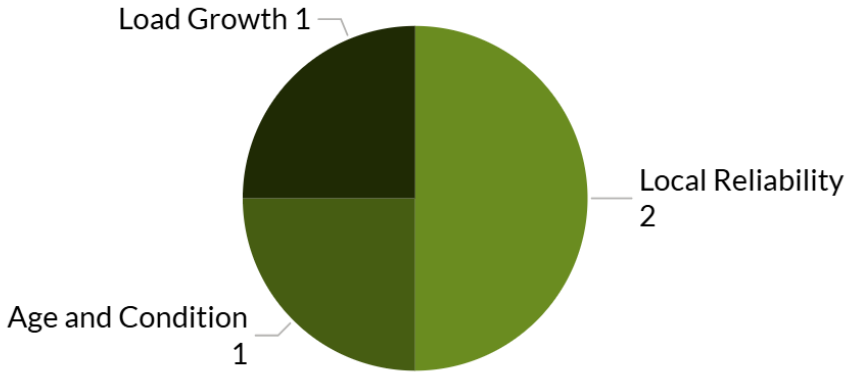



**4**
Total Projects

**$15M**
Investment

### Breakdown of Other Project Types

By Project Count

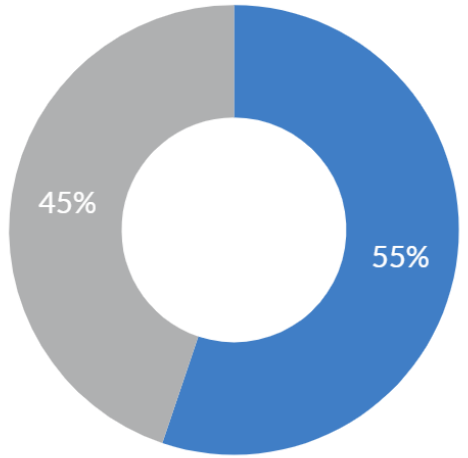



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

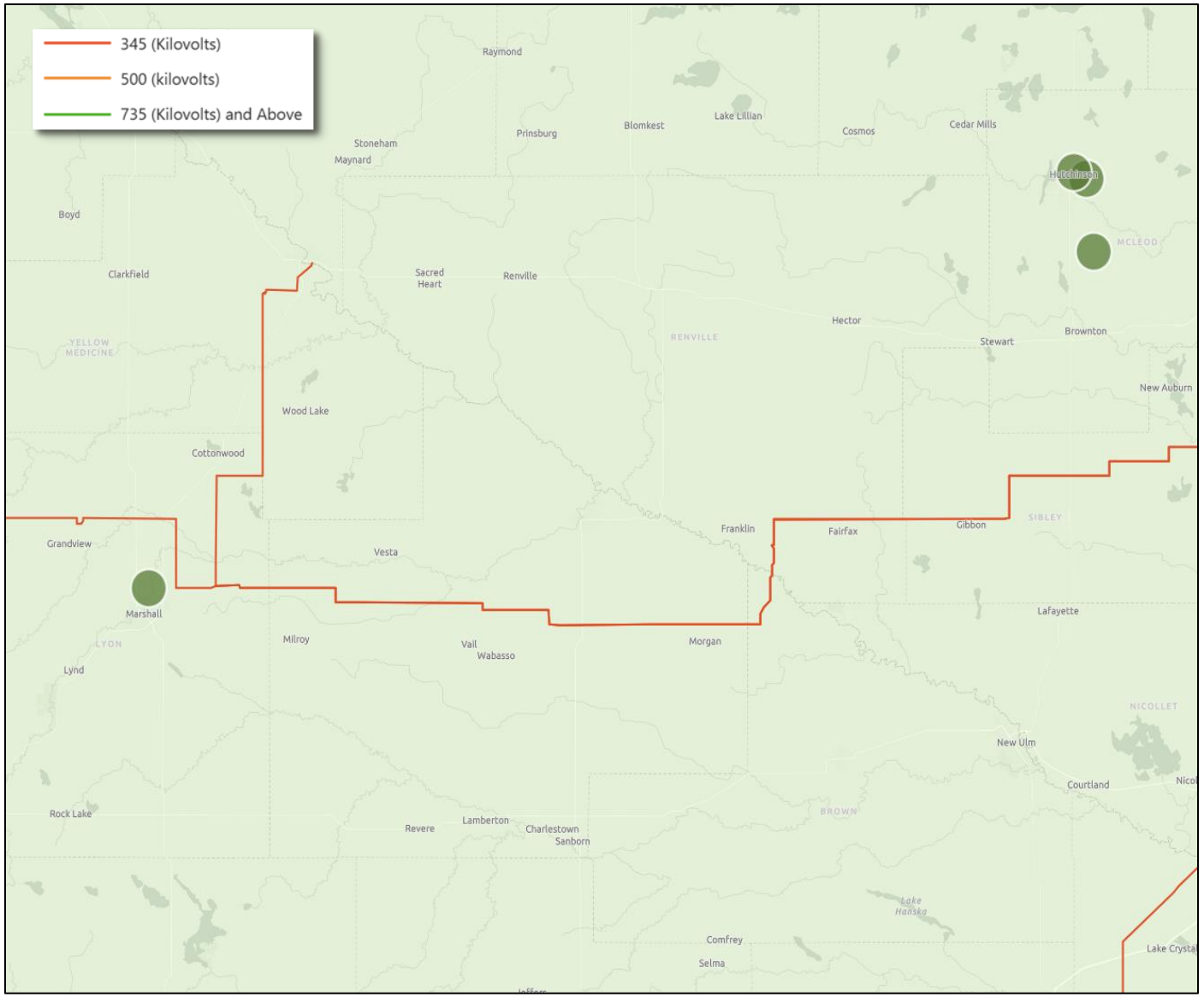
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# MRES MTEP26 Project Type Breakdown

## MISSOURI RIVER ENERGY SERVICES - TRANSMISSION

MTEP26 Summary

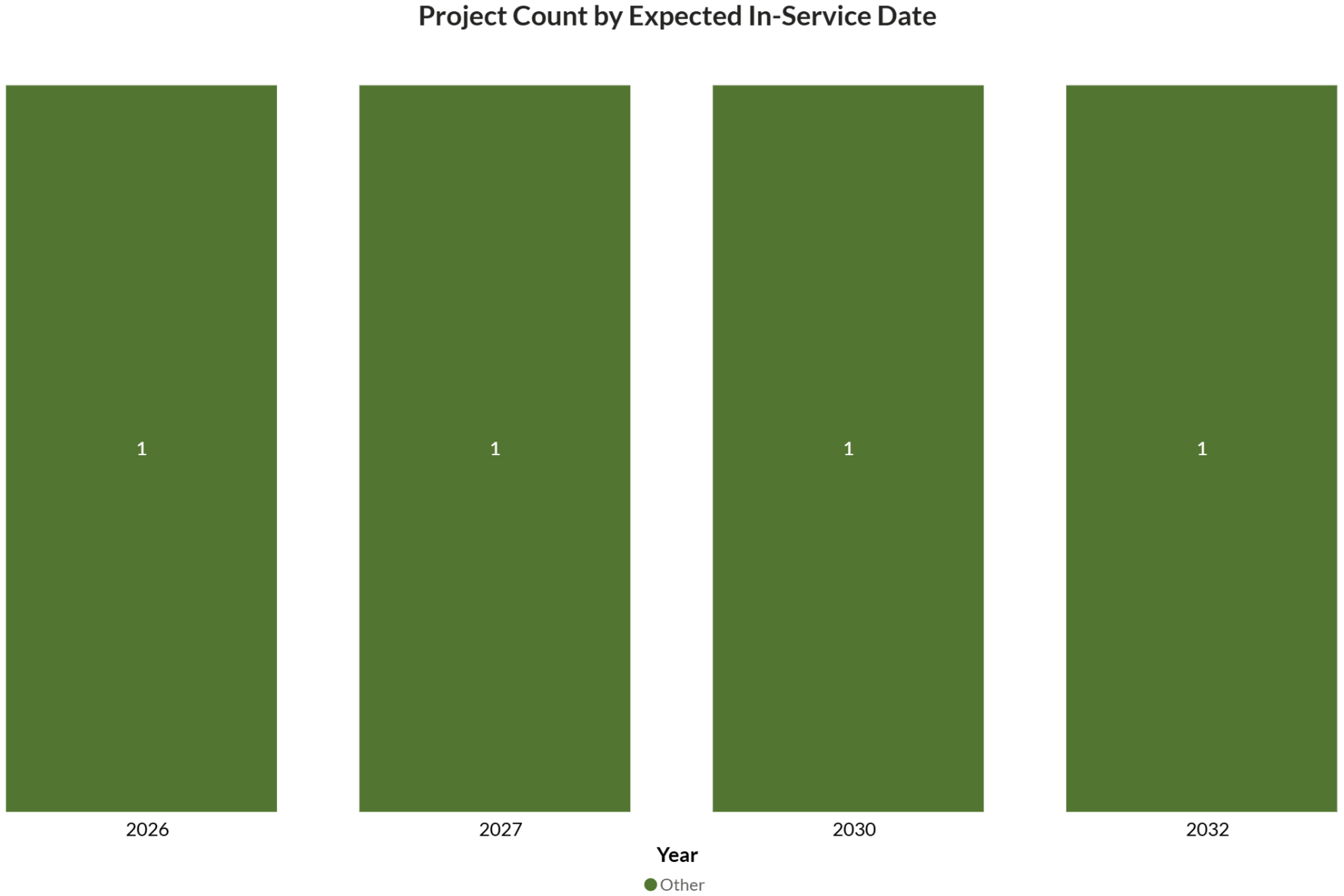
| | |
|---|---|
| GIP | (Blank) |
| BRP | (Blank) |
| Other | 4 |




Project information as of 5/15/26.

Unlabeled

# MRES MTEP26 ISD Breakdown




Project information as of 5/15/26.

# 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 |
| **51086** | **New Load on Existing HUC Plant 2 69 kV sub** | **Load Growth** | **11/30/2026** | **$0.0 M** |
| 51094 | Hutchinson Rebuild and 115 kV Conversion | Local Reliability | 07/09/2032 | $8.9 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

# Montana-Dakota Utilities Co. (MDU)

# MONTANA-DAKOTA UTILITIES CO.

## MTEP26 Projects

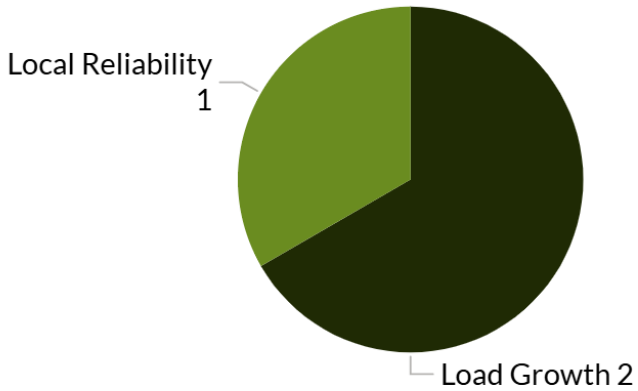



**3**
Total Projects

**$112M**
Investment

### Breakdown of Other Project Types

By Project Count

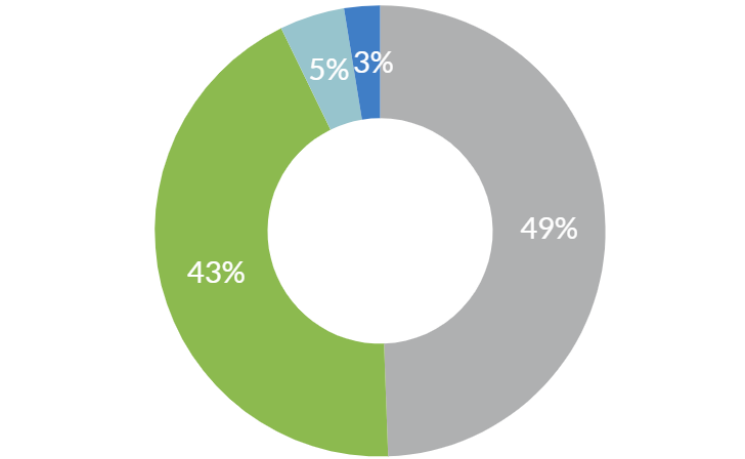



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

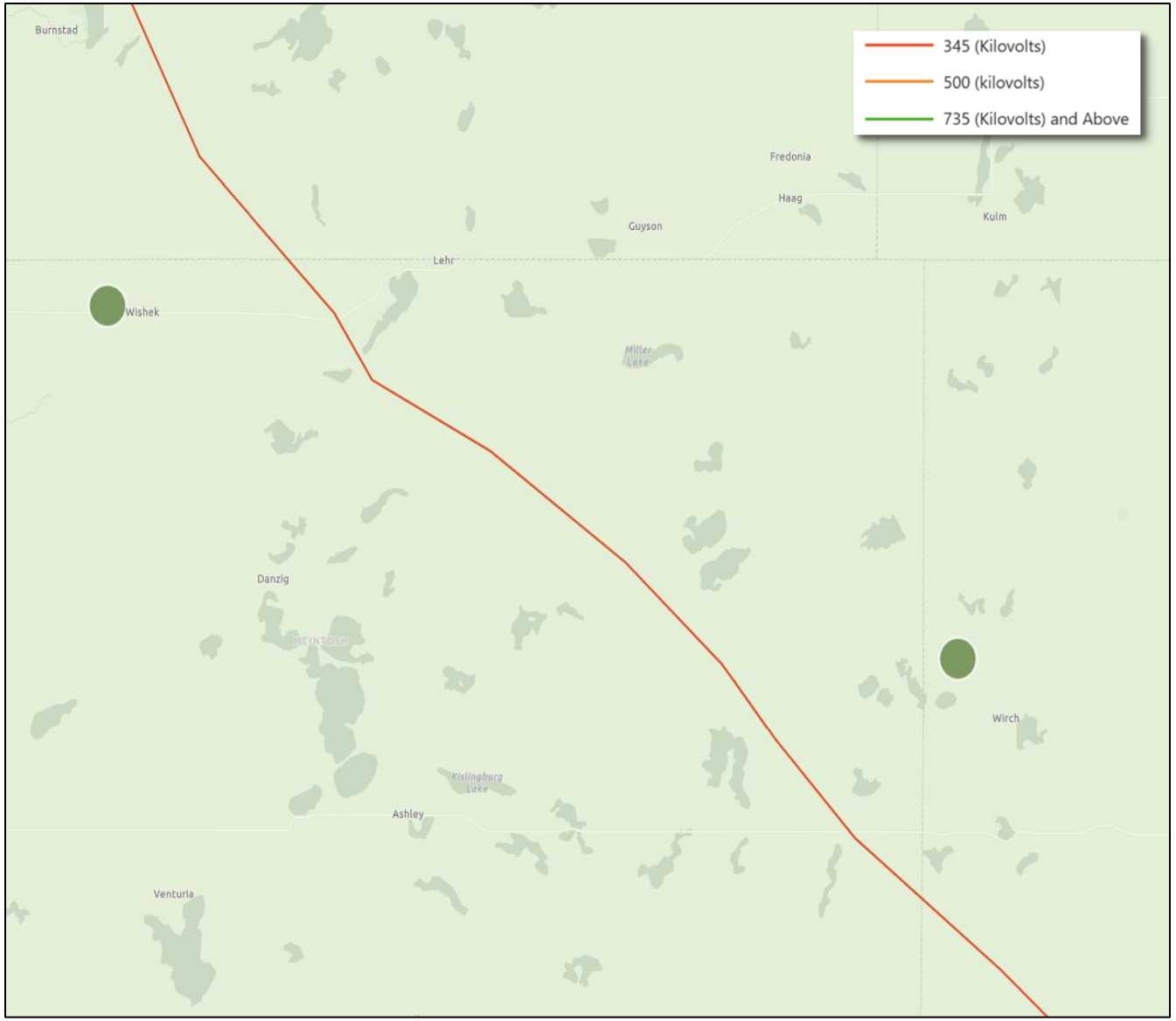
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# MDU MTEP26 Project Type Breakdown

## MONTANA-DAKOTA UTILITIES CO.

MTEP26 Summary

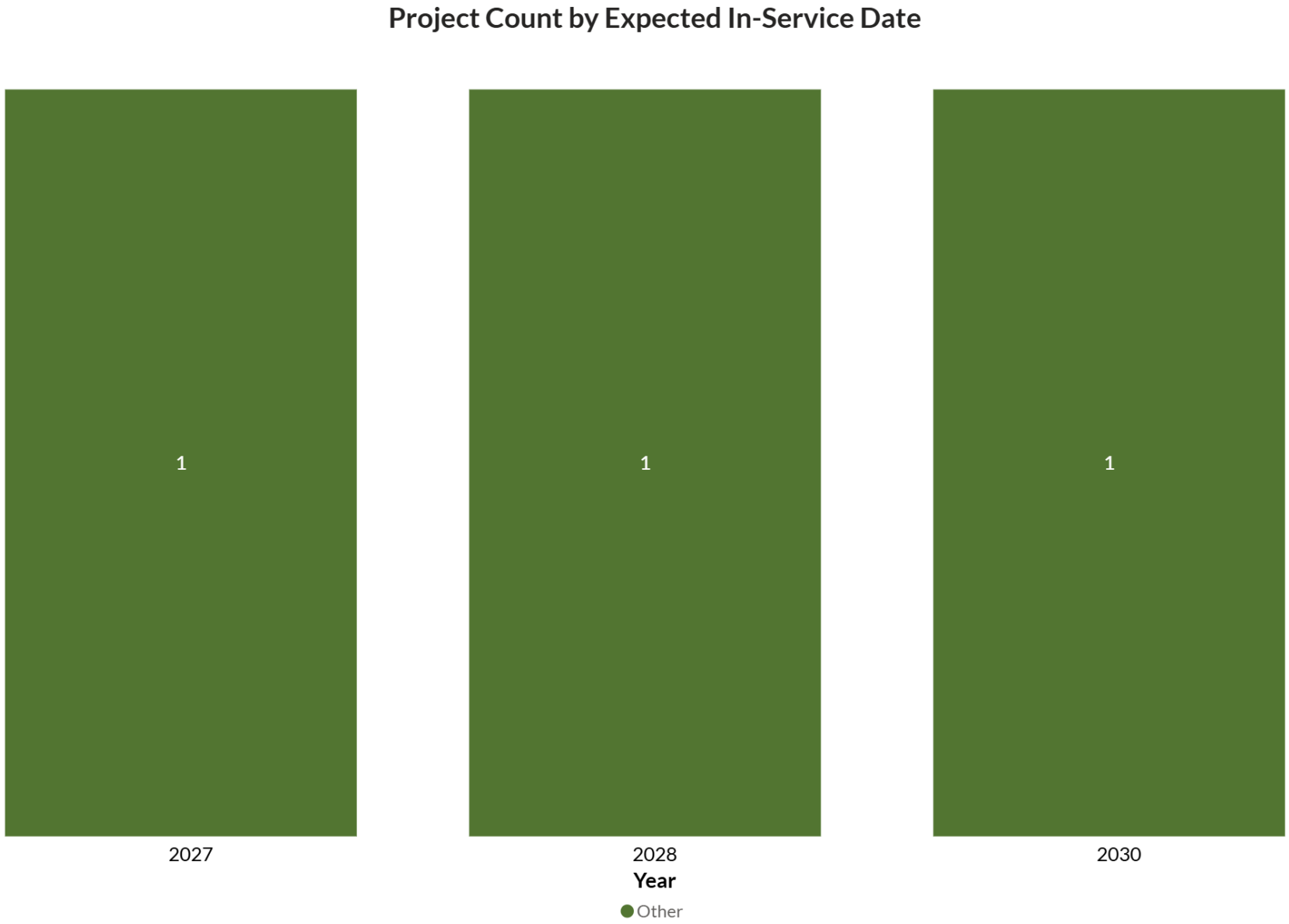
| | |
|---|---|
| GIP | (Blank) |
| BRP | (Blank) |
| Other | 3 |




Project information as of 5/15/26.

Unlabeled

# MDU MTEP26 ISD Breakdown




Project information as of 5/15/26.

# 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 |
| **51219** | **Wishek NW Data Center Load Addition** | **Load Growth** | **06/01/2027** | **$2.2 M** |
| **51293** | **Hannover Data Center Load Addition** | **Load Growth** | **01/01/2030** | **$107.0 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.

Unlabeled

# Contacts

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Unlabeled

# 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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LinkedIn: Midcontinent ISO



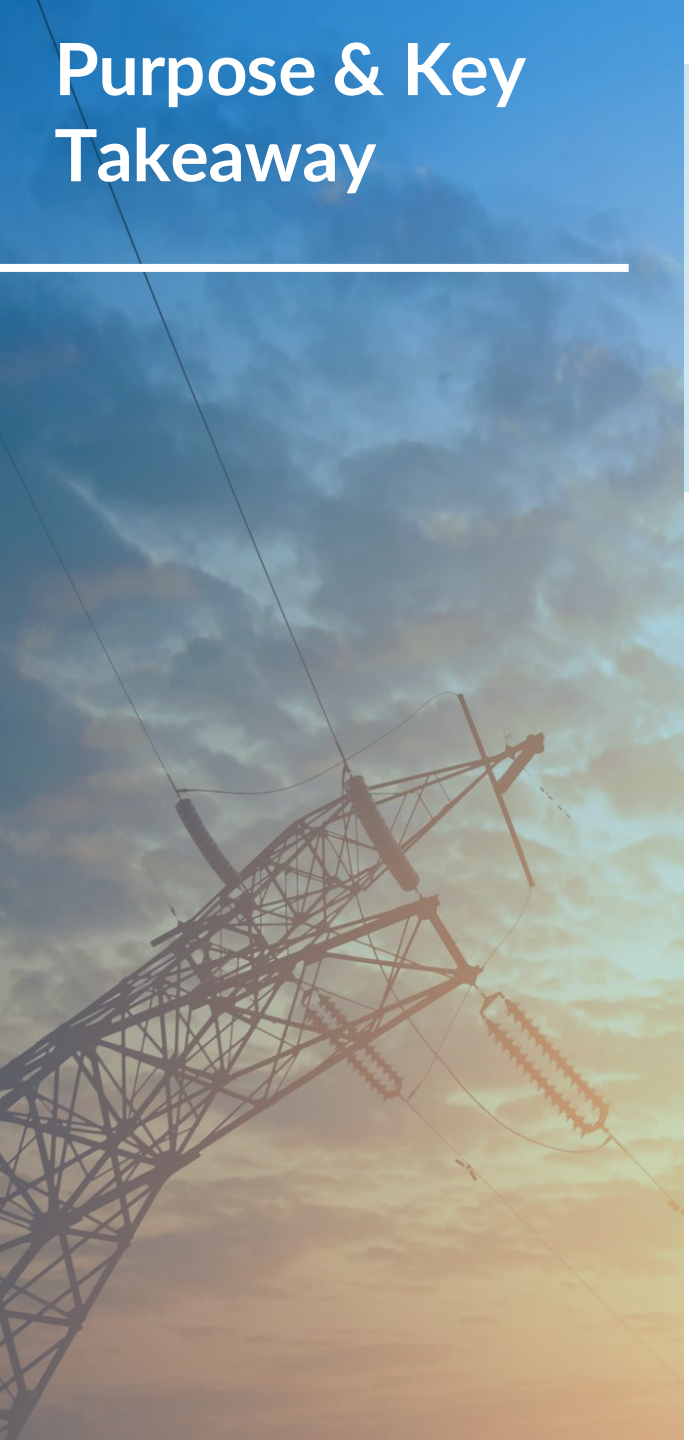

# MTEP26 Project Information

## ITC Midwest; Southern Minnesota Municipal Power Agency

2nd West Subregional Planning Meeting

Wednesday, June 3, 2026

# Purpose & Key Takeaway



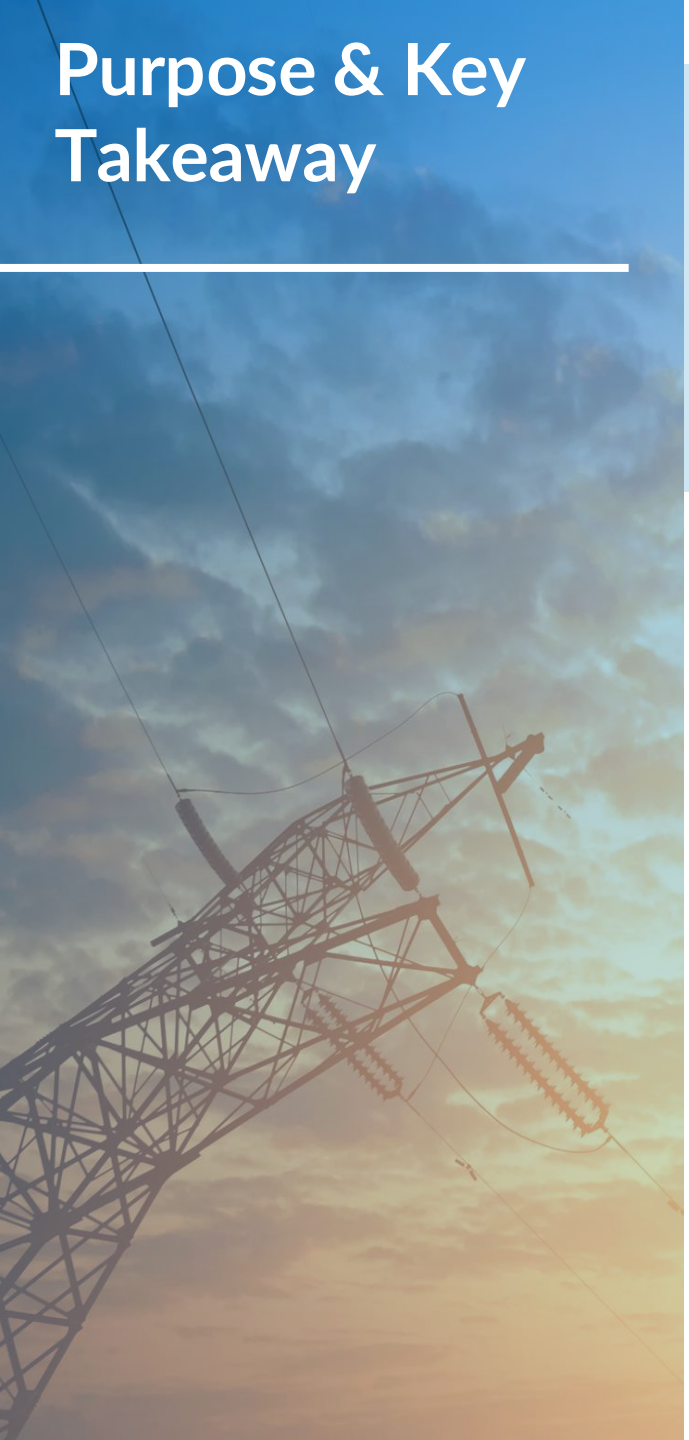
## Purpose

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 (SMMPA): 5 submitted projects at an estimated cost of $48 million



Unlabeled

# 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 |



Unlabeled

# ITC MIDWEST

## MTEP26 Projects

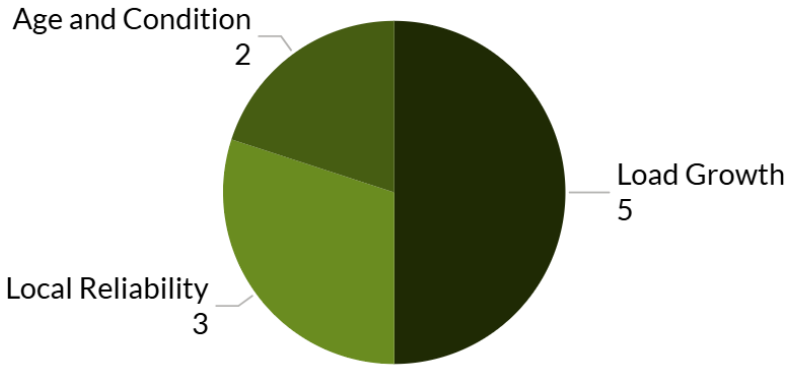



**11**
Total Projects

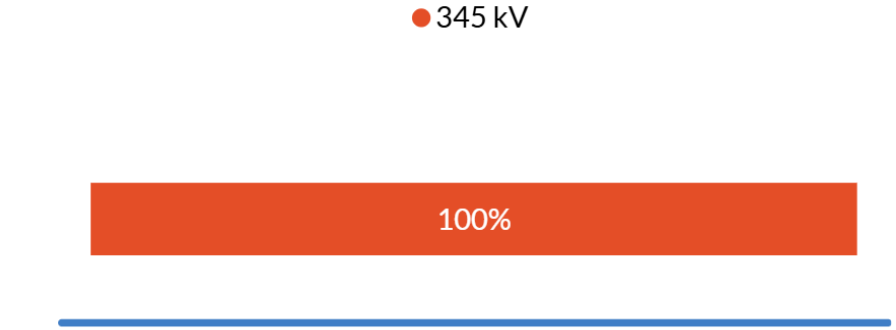
**$111M**
Investment

## Breakdown of Other Project Types

By Project Count

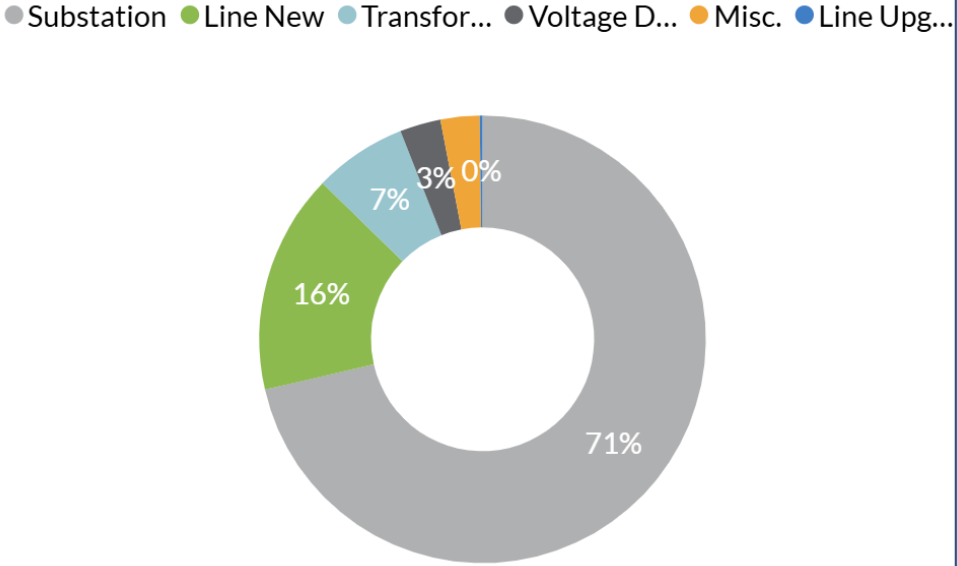



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



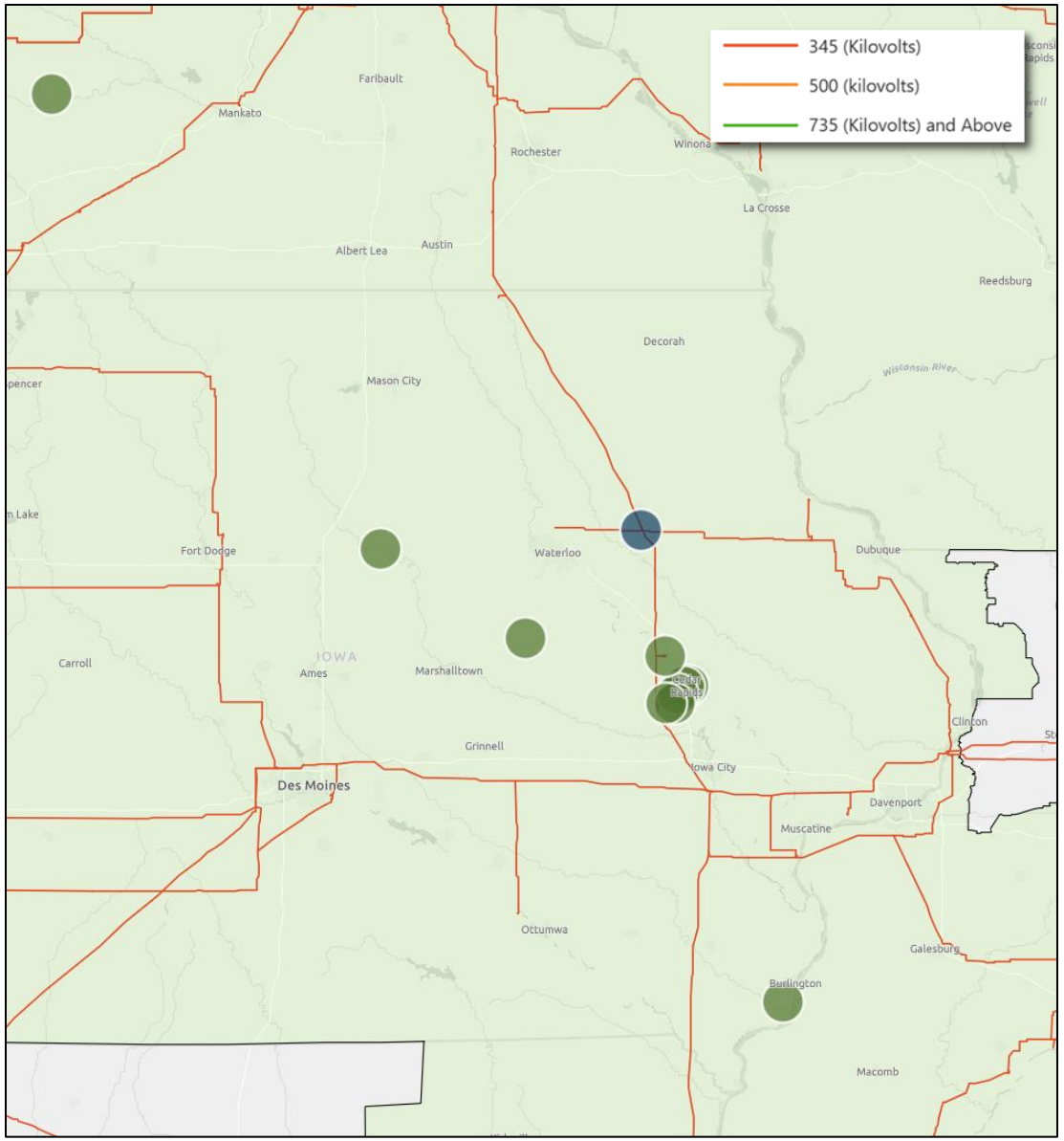
Unlabeled

# ITCM MTEP26 Project Type Breakdown

## ITC MIDWEST

### MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 10 |

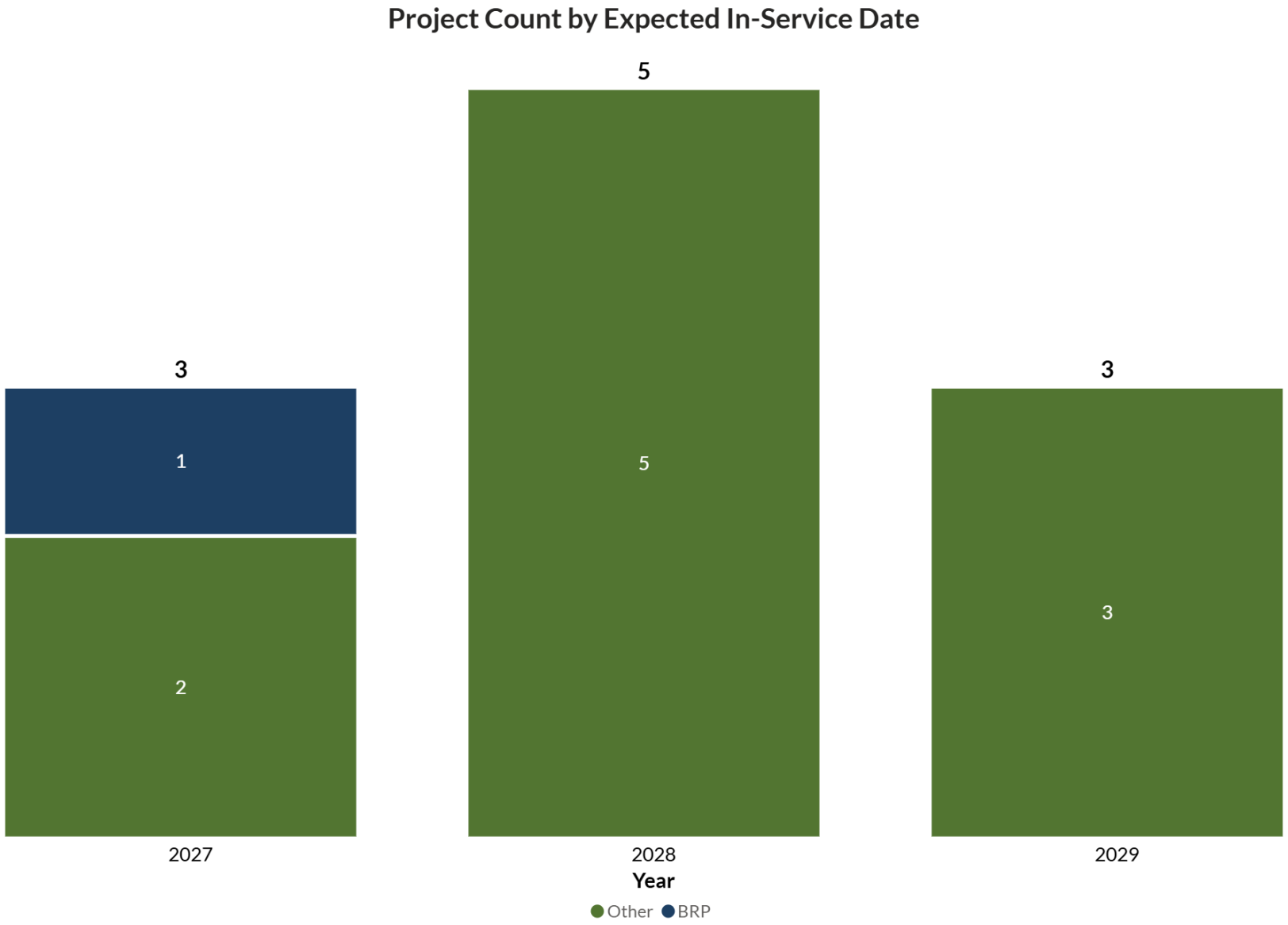



Project information as of 5/15/26.



Unlabeled

# ITCM MTEP26 ISD Breakdown

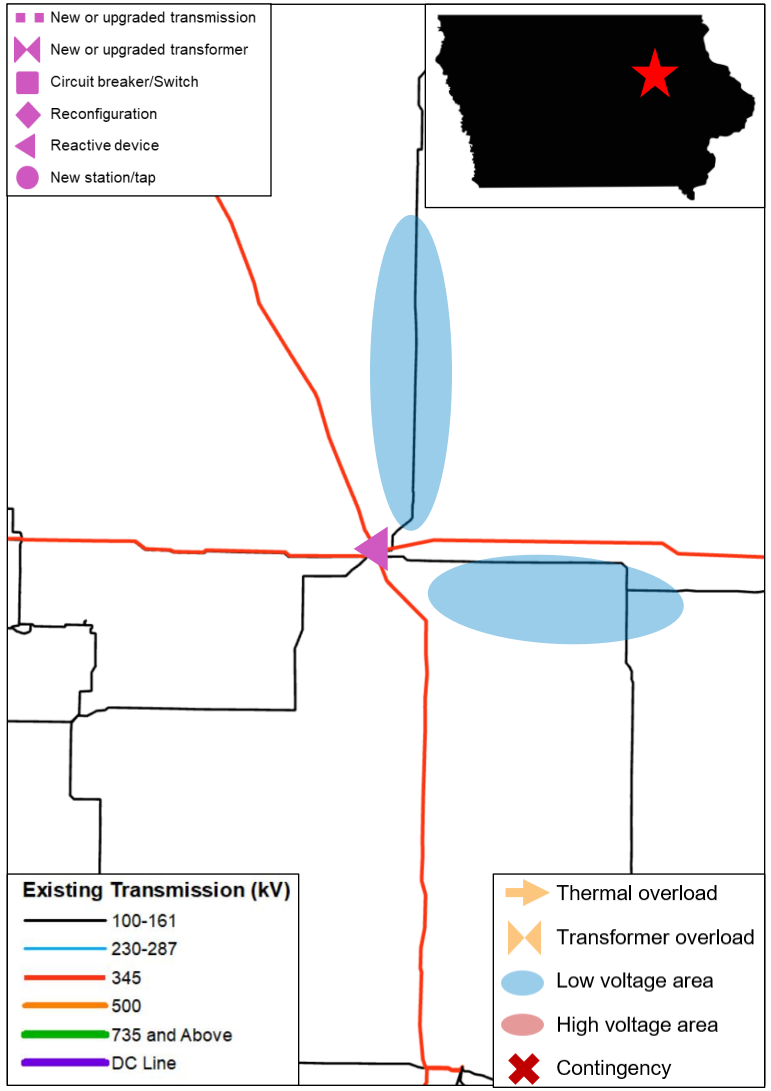



Project information as of 5/15/26.

# 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 |

Unlabeled

# 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



Unlabeled

# Other Projects

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50775** | **Linn County 620 MW Load Addition** | **Load Growth** | **07/01/2028** | **$11.3 M** |
| 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 (SMMPA)

# SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY

MTEP26 Projects

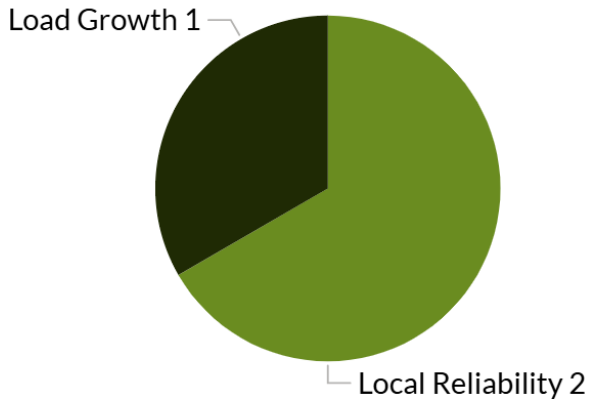



**5**
Total Projects

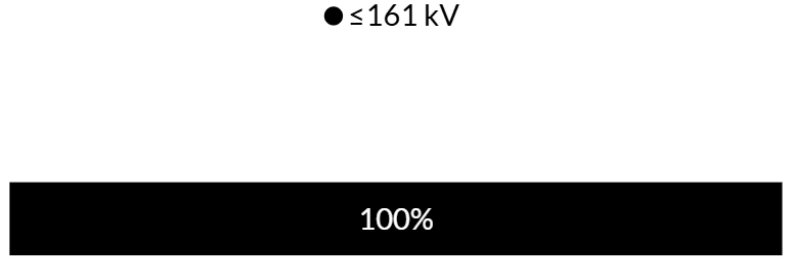
**$48M**
Investment

## Breakdown of Other Project Types

By Project Count

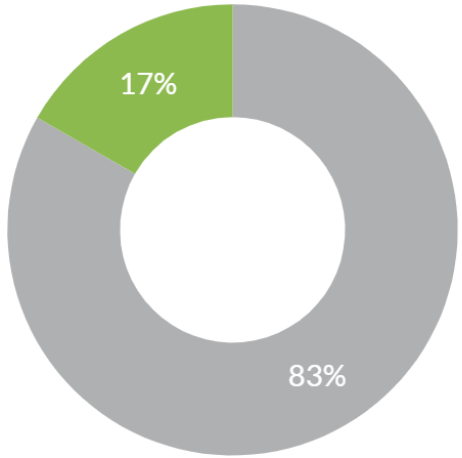



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



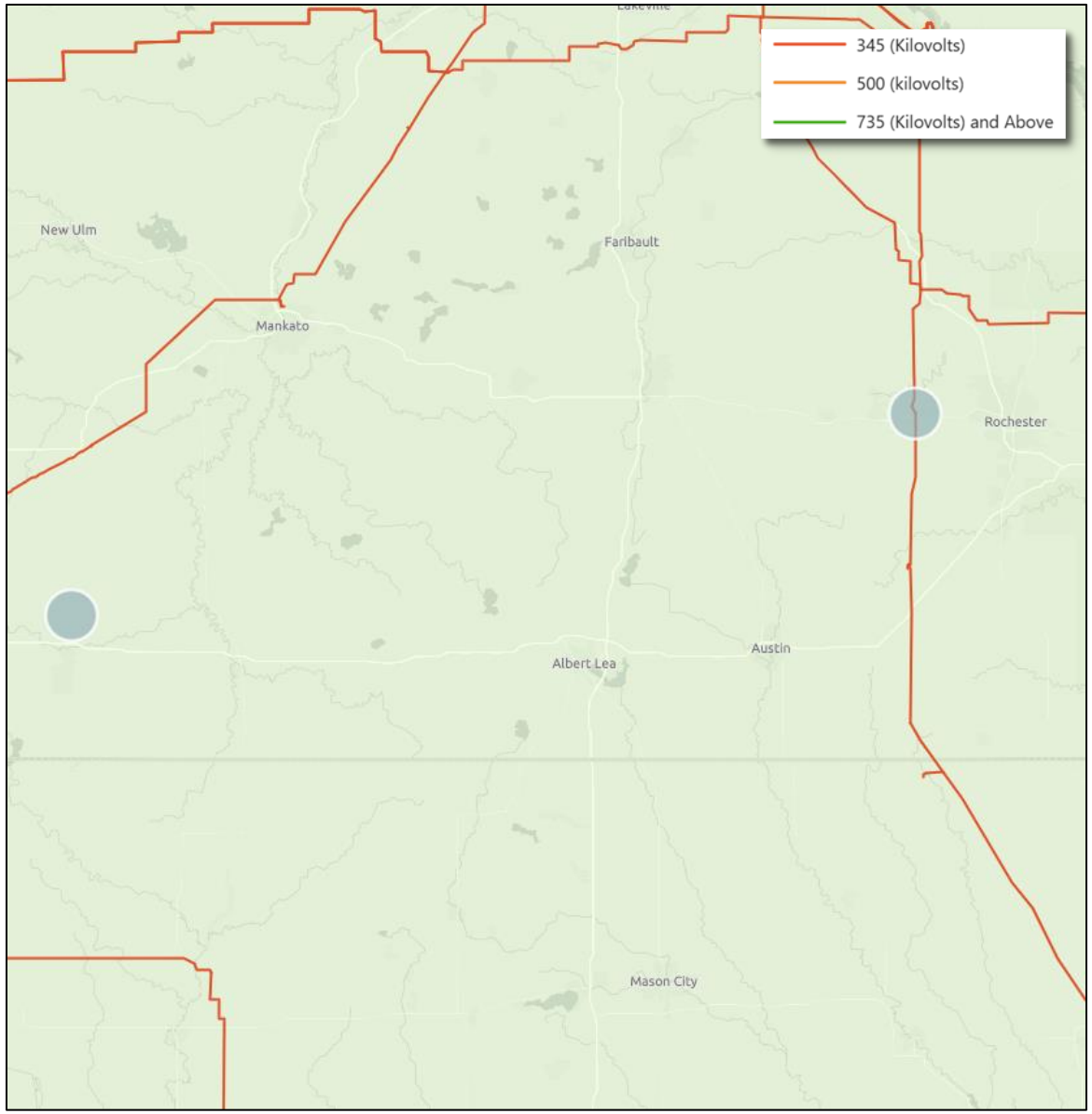
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# SMMPA MTEP26 Project Type Breakdown

## SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY

MTEP26 Summary

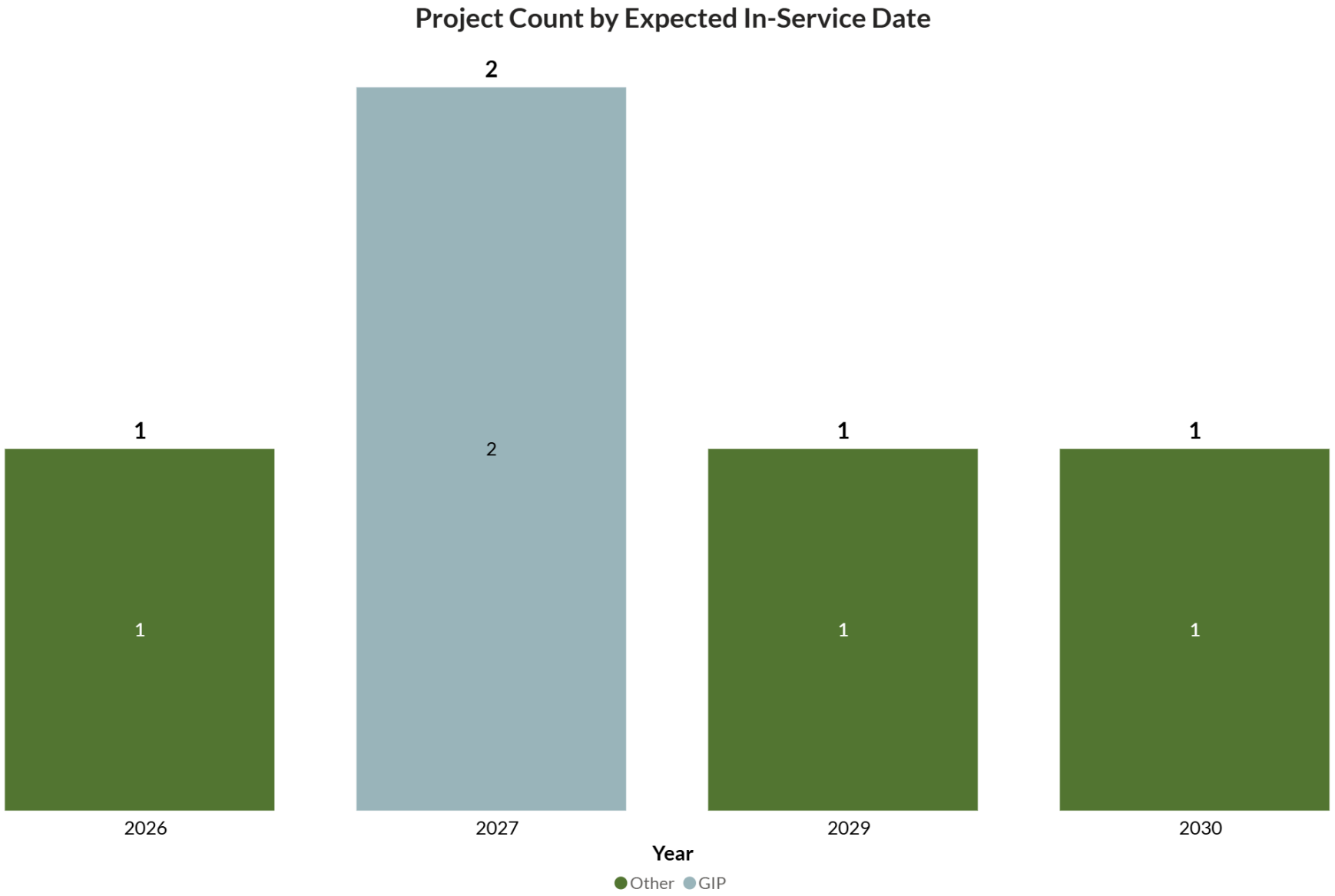
| | |
|---|---|
| GIP | 2 |
| BRP | (Blank) |
| Other | 3 |




Project information as of 5/15/26.

Unlabeled

# SMMPA MTEP26 ISD Breakdown




Project information as of 5/15/26.

# Other Projects



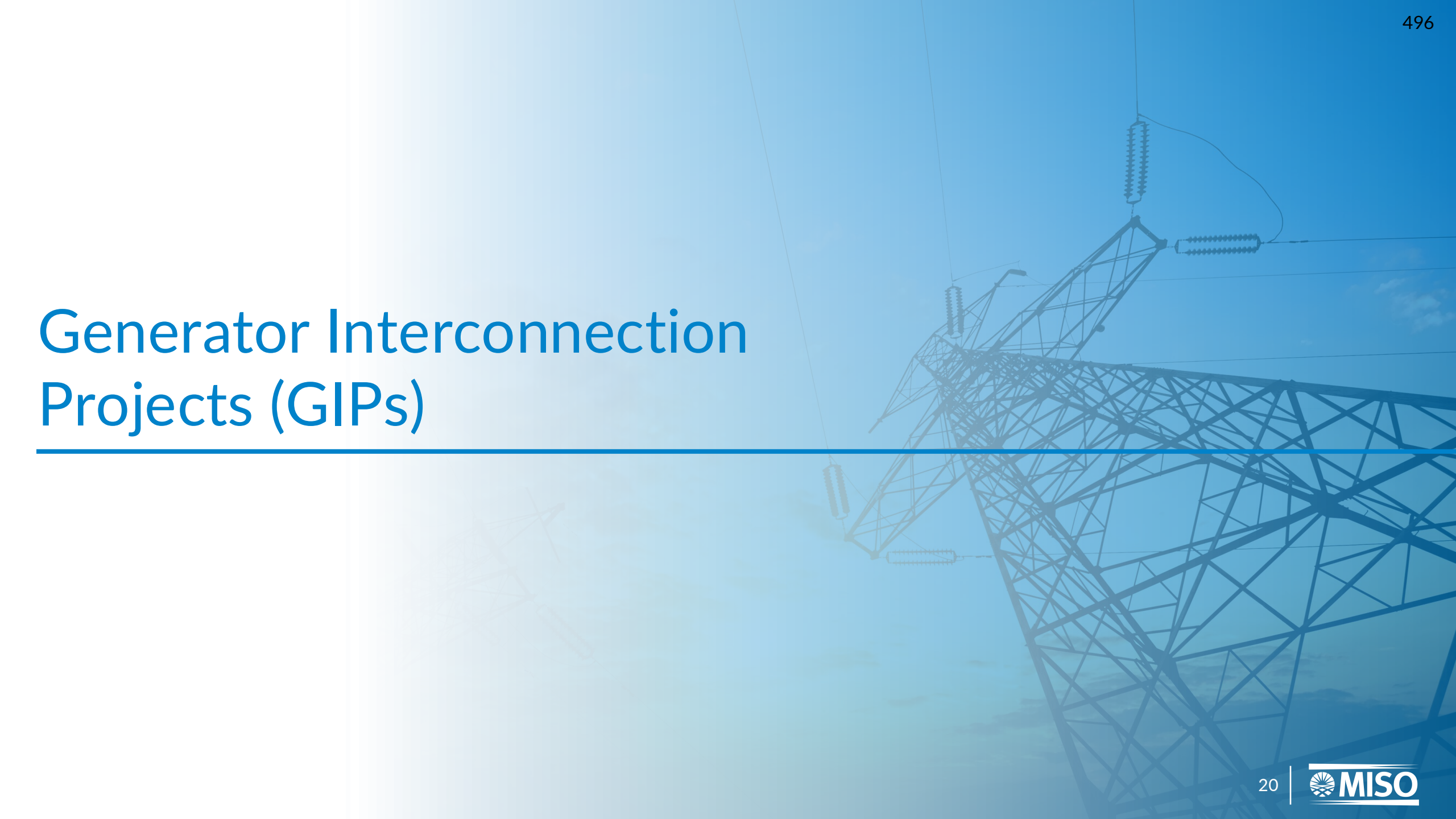
# Other Projects

| 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.

Unlabeled

# 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 |



Unlabeled

# Contacts

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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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misoenergy.org

LinkedIn: Midcontinent ISO



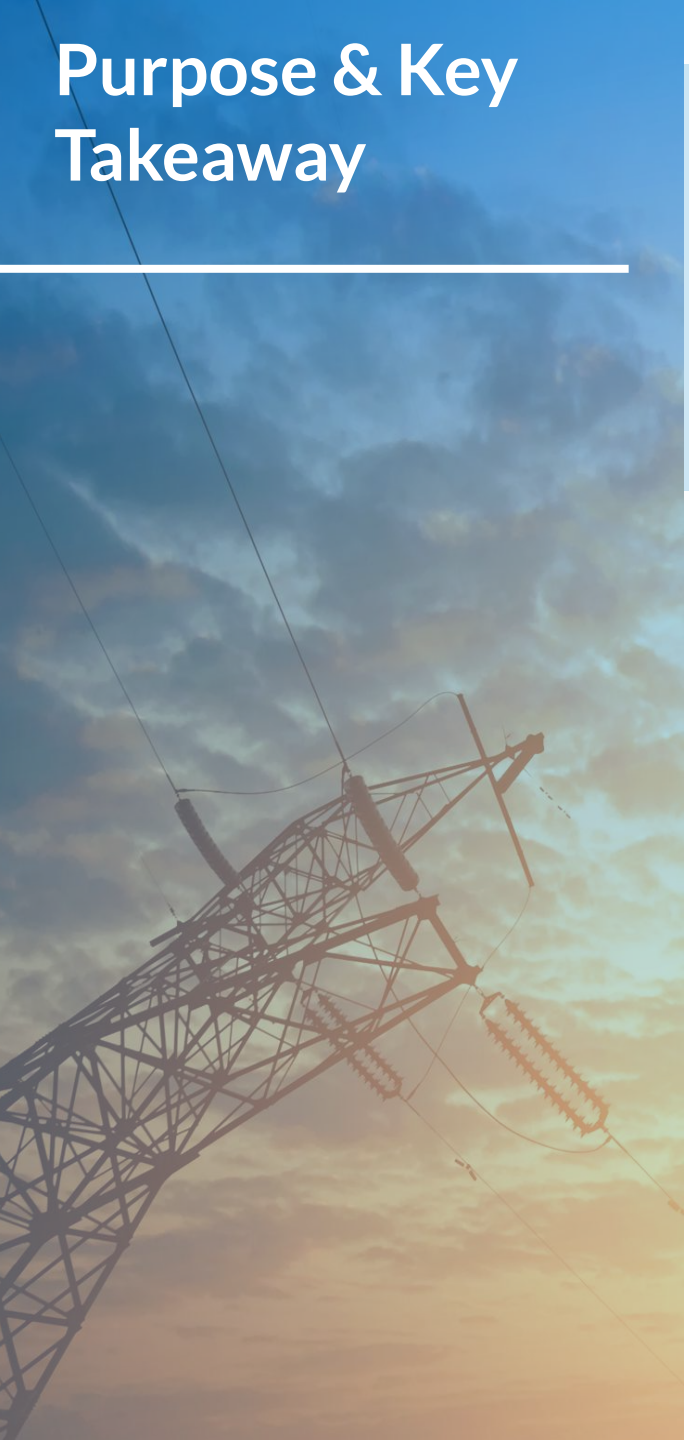

# MTEP26 Project Information

## MidAmerican Energy Co.; Cedar Falls Municipal Electric Utility; Muscatine Power And Water

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*



Unlabeled

# West Region Overview

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

- MidAmerican Energy Co. (MEC): 15 submitted projects at an estimated cost of $351 million
- Cedar Falls Municipal Electric Utility (CFU): 1 submitted projects at an estimated cost of $2 million
- Muscatine Power and Water (MPW) did not submit projects for consideration in MTEP26


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# Update on Current Cycle Projects since SPM1

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51223 | E0002 New 345 kV Interconnection Substation and 345 kV Line Taps | GIP | Project added to MTEP26 |
| 51331 | Black Hawk: Install 345 kV 100 MVAR Capacitor | GIP | Project added to MTEP26 |
| 51353 | Plymouth 161-69 kV Transformer Replacement | Other – Age and Condition | Project added to MTEP26 |



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# MIDAMERICAN ENERGY CO.

## MTEP26 Projects

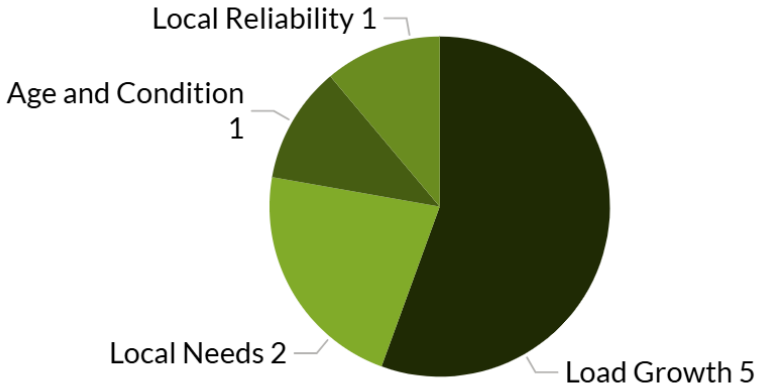



**15**
Total Projects

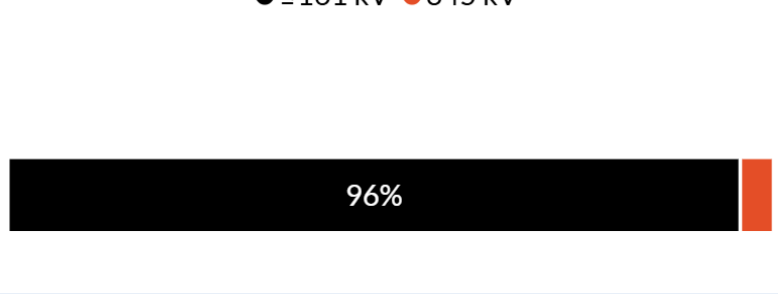
**$351M**
Investment

## Breakdown of Other Project Types

By Project Count

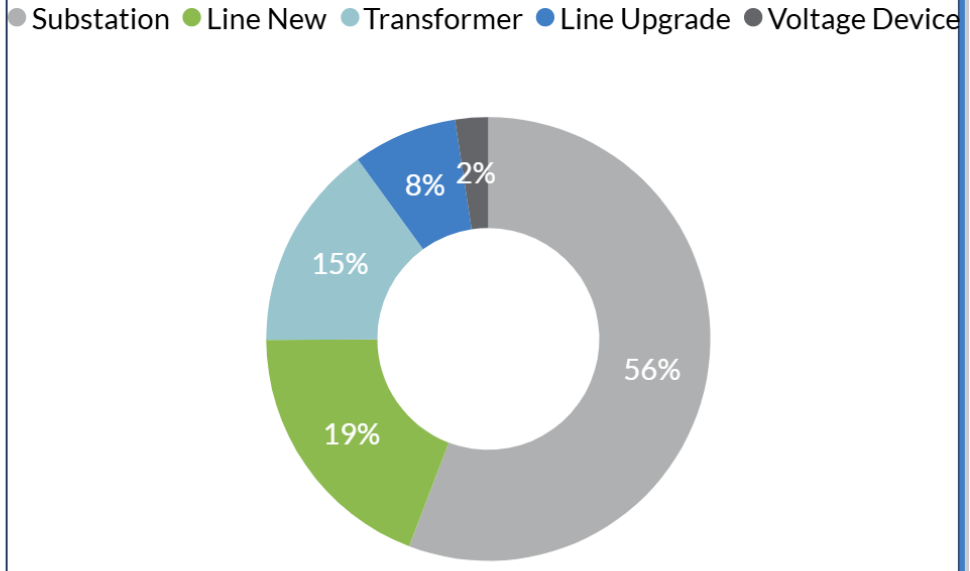



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

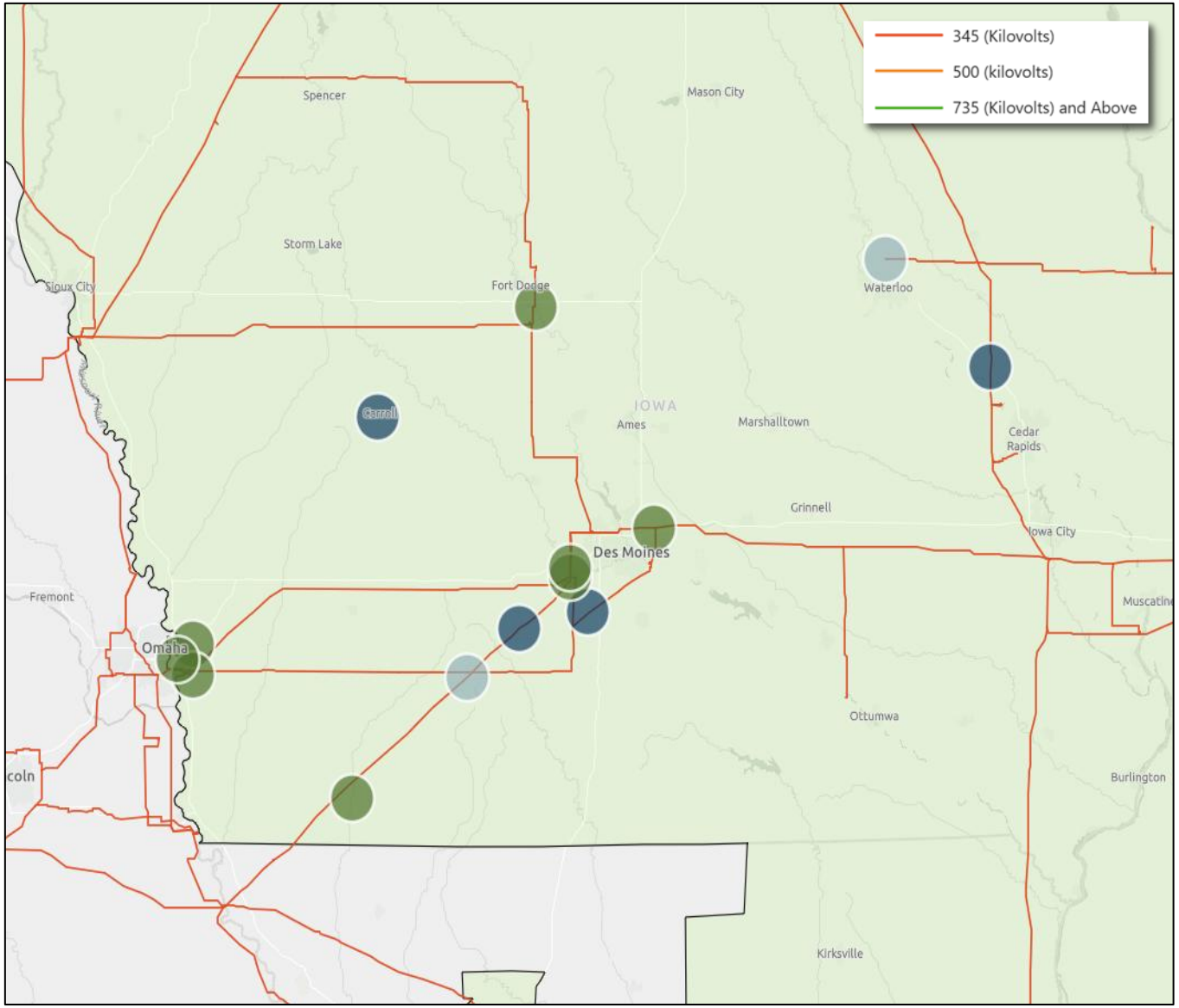
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# MEC MTEP26 Project Type Breakdown

## MIDAMERICAN ENERGY CO.

MTEP26 Summary

| | |
|---|---|
| GIP | 2 |
| BRP | 4 |
| Other | 9 |

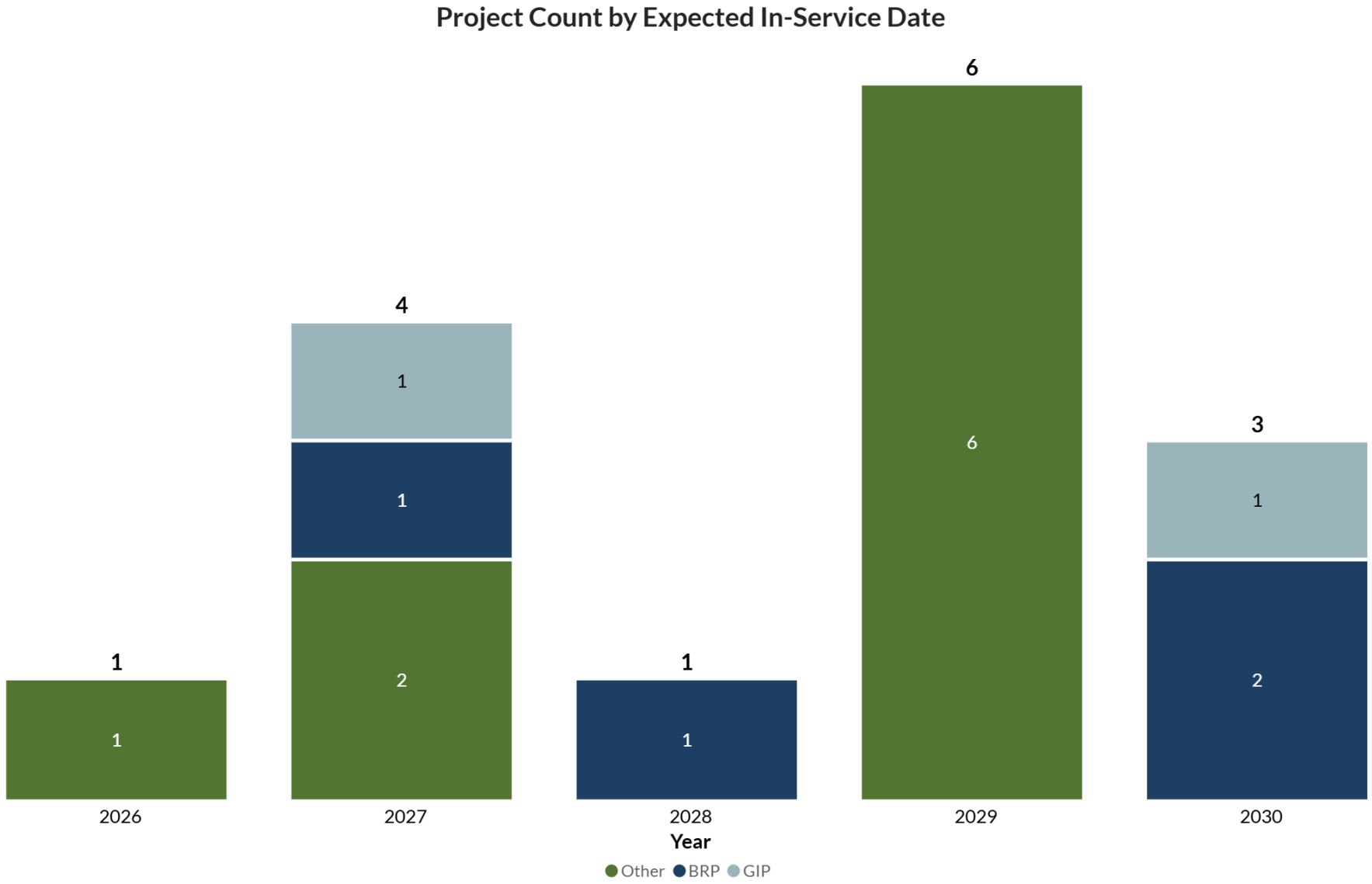



Project information as of 5/15/26.



Unlabeled

# MEC MTEP26 ISD Breakdown



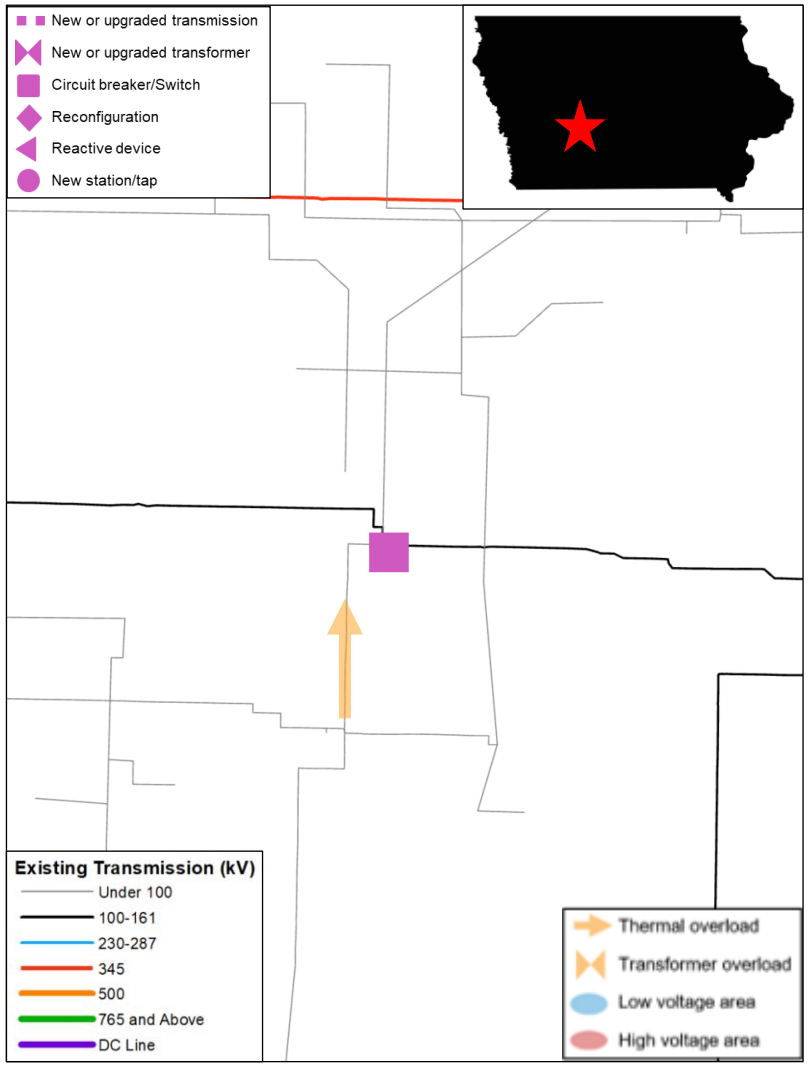

Project information as of 5/15/26.

Unlabeled

# Baseline Reliability Projects (BRPs)



# Baseline Reliability Project
# Details for Carroll South 69 kV Terminal Uprate




| MTEP Project ID | 50835 |
|---|---|
| Project Name | Carroll South 69 kV Terminal Uprate |
| Project Type | BRP |
| Project Description | Replace 69 kV breaker and associated terminal equipment at Carroll South Substation on Carroll County line terminal |
| System Need | Line can overload following a P6 contingency at high wind conditions |
| Current Cost | $0.5 M |
| Expected ISD | 12/01/2027 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Carroll South 69 kV Terminal Uprate

- Carroll County -Carroll South 69 kV  Line overloads as a result of loss of Monona-Crawford County 161 KV Line and Carroll County-DRAGER 161 KV Line. Post-contingent, the line overloads up to 127%. Replacing 69 kV breaker and associated terminal equipment will eliminates these overloads. Post-project, the line will only load up to 91% of its rating post-contingent.

**MTEP26 (Thermal/Voltage) Violations**

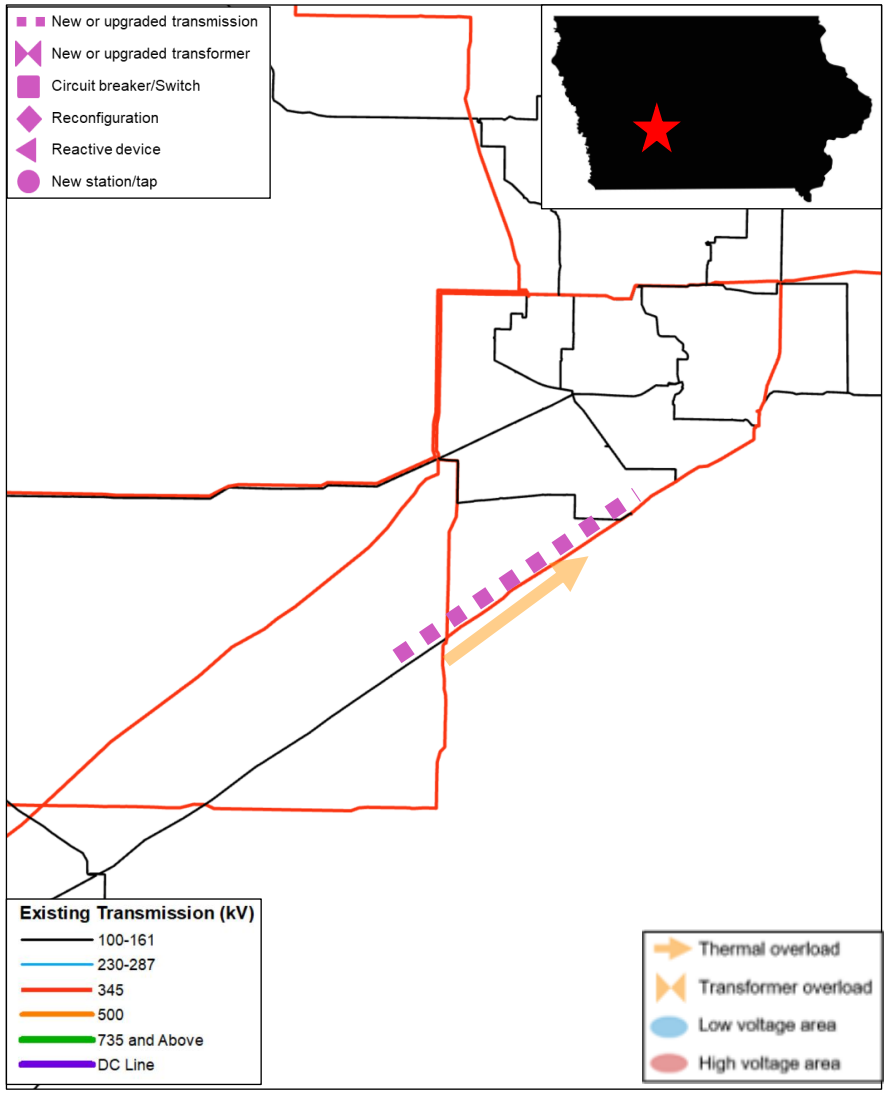
| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1-1 | [MEC] Carroll County  - [MEC] Carroll South 69 KV Line | 127 | 91 |

Preliminary Recommendation: Move to Appendix A



Unlabeled

# Baseline Reliability Project
# Details for Norwalk-Winterset 161 kV Line Uprate




| MTEP Project ID | 50836 |
|---|---|
| Project Name | Norwalk-Winterset 161 kV Line Uprate |
| Project Type | BRP |
| Project Description | Replace transmission line structures to increase 161 kV line rating. |
| System Need | MTEP25 2030 generator deliverability analysis shows line overloads for P1 single contingencies. |
| Current Cost | $0.3 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |



Unlabeled

# Baseline Reliability Project
# Details for Norwalk-Winterset 161 kV Line Uprate

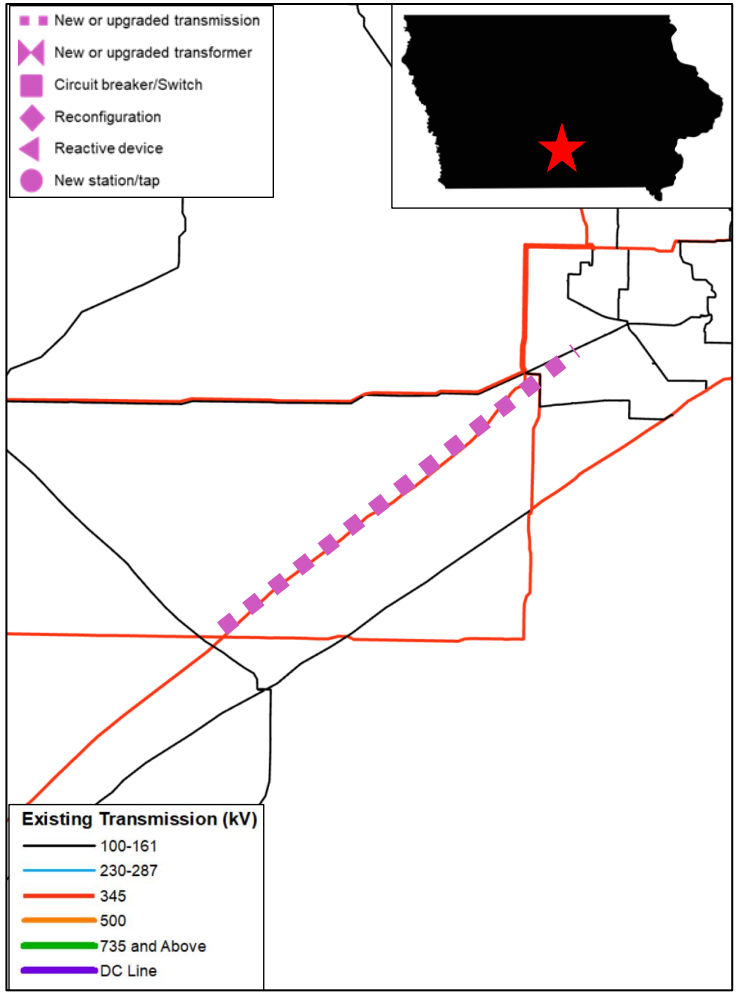
- This project is driven by the MTEP25 Generator Deliverability (D6) study. Evaluation of this project will be continued between SPM2 and SPM3.

Preliminary Recommendation: Continued analysis in MTEP26



Unlabeled

# Baseline Reliability Project
# Details for Southern Hills-Booneville 345 kV Line Uprate




| MTEP Project ID | 51122 |
|---|---|
| Project Name | Southern Hills-Booneville 345 kV Line Uprate |
| Project Type | BRP |
| Project Description | Replace transmission line structures to increase 345 kV line rating. |
| System Need | MTEP25 2030 generator deliverability analysis shows line overloads for P1 single contingencies. |
| Current Cost | $2.2 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |


Unlabeled

# Baseline Reliability Project
# Details for Southern Hills-Booneville 345 kV Line Uprate

- This project is driven by the MTEP25 Generator Deliverability (D6) study. Evaluation of this project will be continued between SPM2 and SPM3.

Preliminary Recommendation: Continued analysis in MTEP26



Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50835 | Carroll South 69 kV Terminal Uprate | 12/01/2027 | $0.5 M |
| 50836 | Norwalk-Winterset 161 kV Line Uprate | 06/01/2030 | $0.3 M |
| 51122 | Southern Hills-Booneville 345 kV Line Uprate | 06/01/2030 | $2.2 M |
| **51174** | **MidAmerican Energy Upgrades for MTEP 50775 Linn County 620 MW Load Addition** | **07/01/2028** | **$1.2 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50721** | **East Kanesville 161 kV Substation & 161 kV Lines** | **Load Growth** | **06/01/2029** | **$56.5 M** |
| 50832 | DMAT North 345 kV Substation and line taps | Load Growth | 05/01/2029 | $32.0 M |
| 50834 | Clarinda 69 kV Terminal Upgrade | Local Needs | 12/01/2027 | $1.1 M |
| 50853 | Booneville: Retire 13 kV Reactors | Local Reliability | 12/01/2026 | $0.3 M |
| 51085 | Green Hill Substation and Associated 345 kV Lines | Load Growth | 07/01/2029 | $64.0 M |
| **51087** | **Indian Creek West 161 kV Substation & Associated Upgrades** | **Load Growth** | **07/01/2029** | **$103.1 M** |
| 51192 | Webster and Lehigh Substation Terminal Equipment Upgrades | Local Needs | 12/31/2027 | $2.0 M |
| **51216** | **Van Meter 161 kV Substation and Associated 161 kV Upgrades** | **Load Growth** | **02/01/2029** | **$42.5 M** |
| 51353 | Plymouth 161-69 kV Transformer Replacement | Age and Condition | 07/01/2029 | $7.9 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

# Generator Interconnection Projects (GIPs)

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51223 | E0002 New 345 kV Interconnection Substation and 345 kV Line Taps | 09/01/2027 | $29.1 M |
| 51331 | Black Hawk: Install 345 kV 100 MVAR Capacitor | 04/01/2030 | $8.1 M |



Unlabeled

# Cedar Falls Municipal Electric Utility (CFU)- One Submitted via EPR Process

# Contacts

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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.*

**Learn more and follow MISO at:**

misoenergy.org

LinkedIn: Midcontinent ISO




# 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*



Unlabeled

# 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


Unlabeled

# Minnesota Power (MP)



# MINNESOTA POWER INC.

## MTEP26 Projects

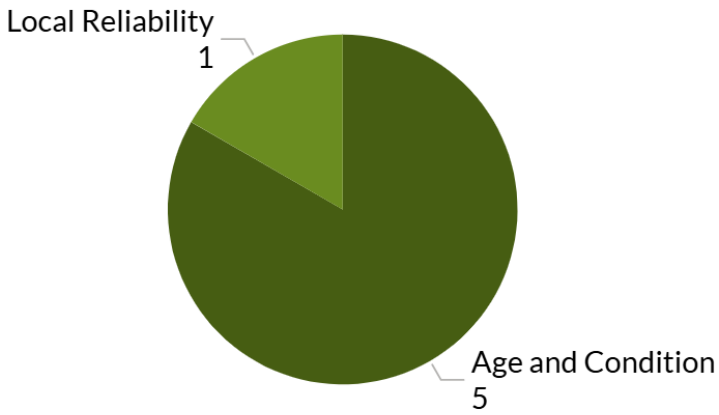



**8**
Total Projects

**$25M**
Investment

## Breakdown of Other Project Types

By Project Count

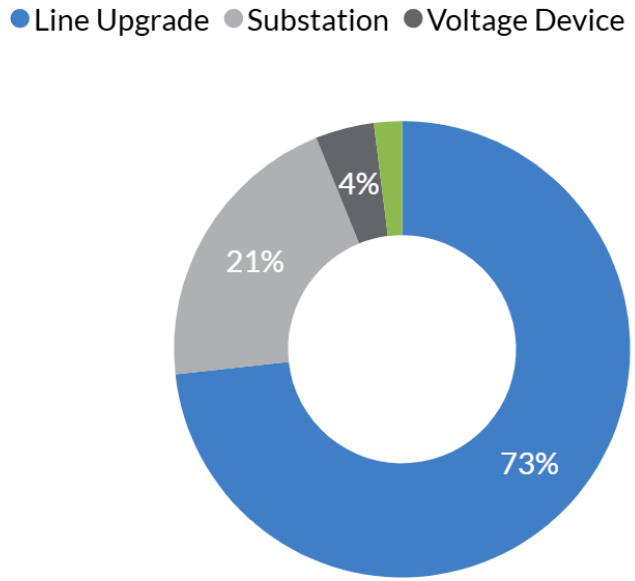



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

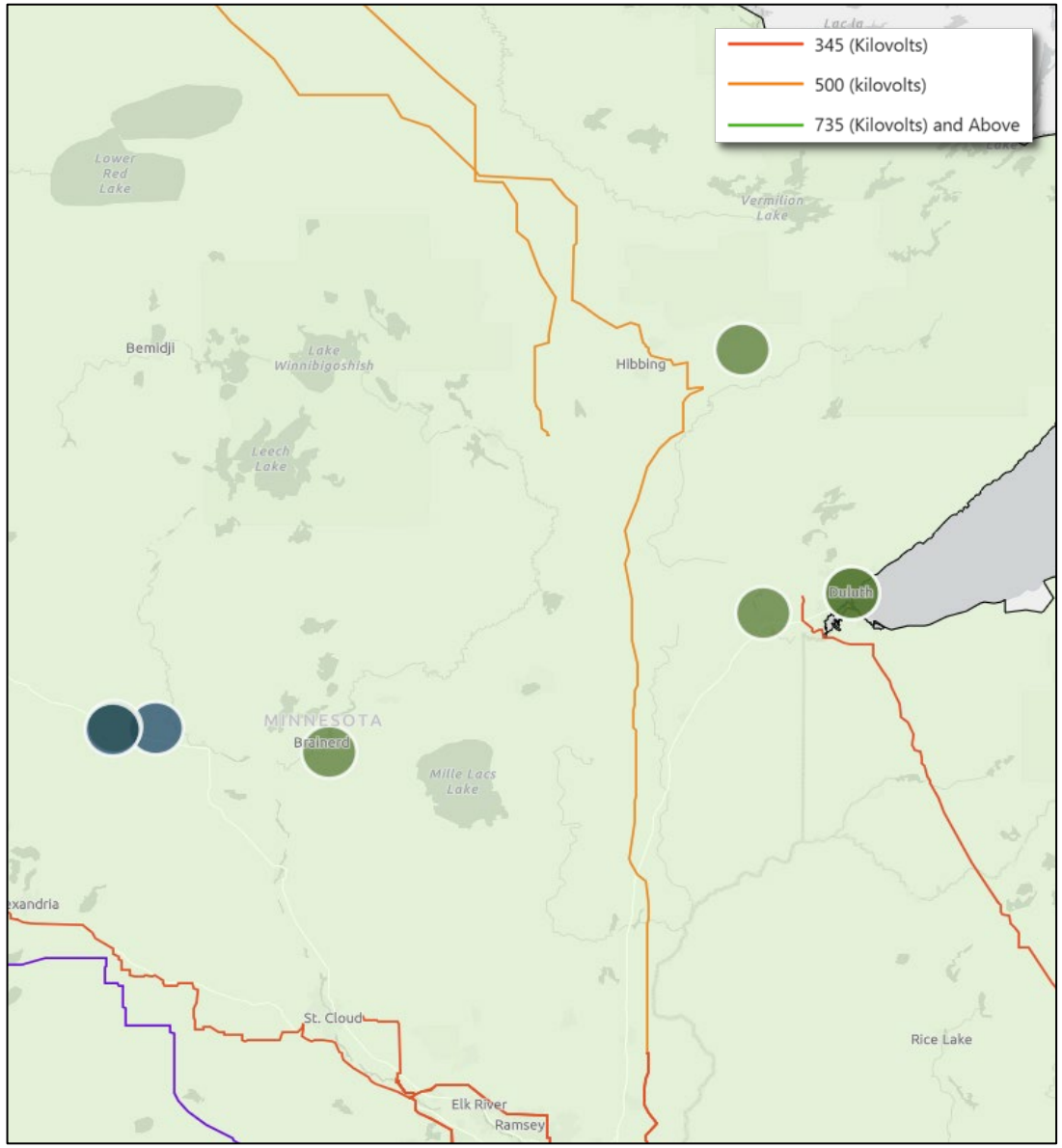
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# MP MTEP26 Project Type Breakdown

## MINNESOTA POWER INC.

### MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 2 |
| Other | 6 |

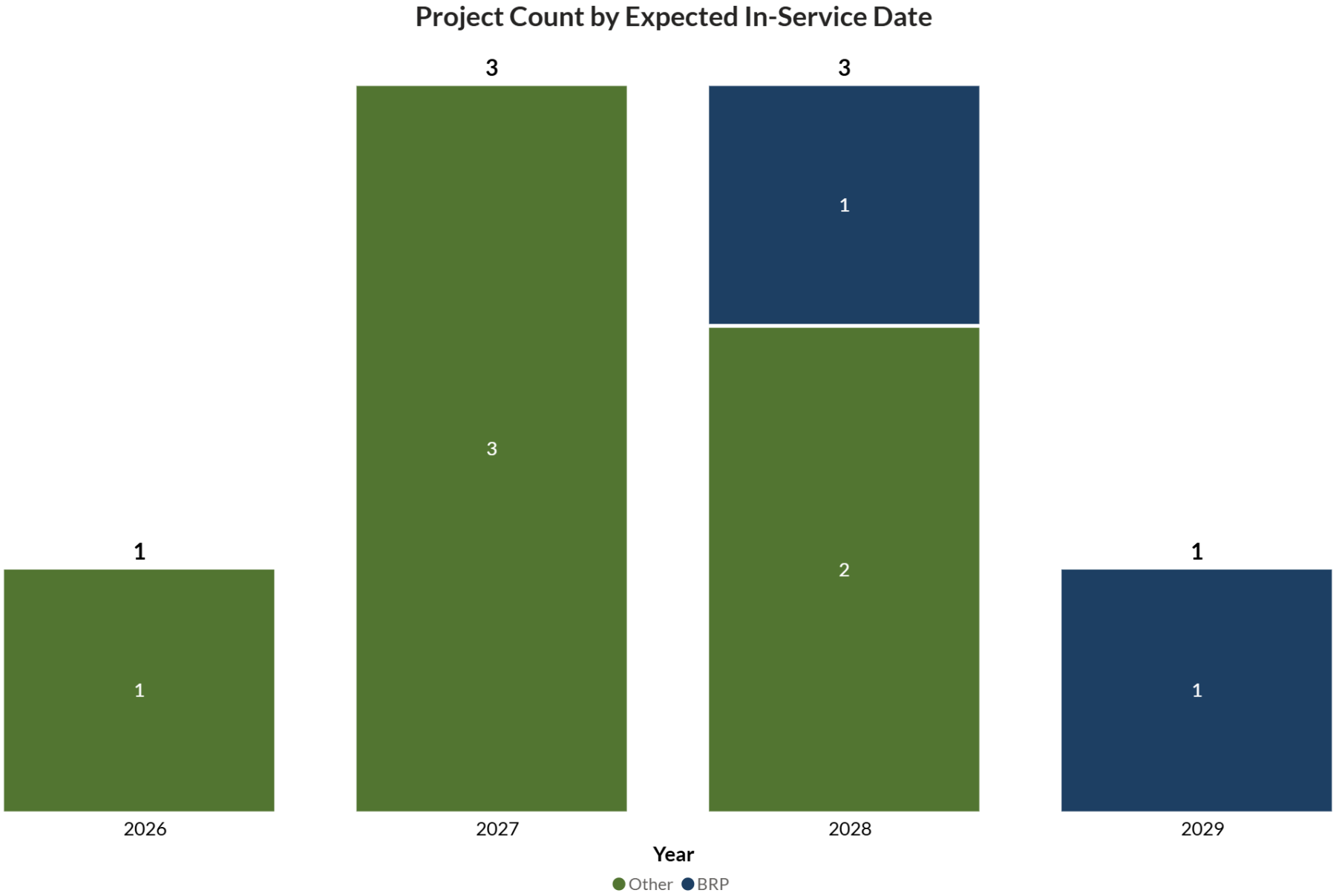



Project information as of 5/15/26.



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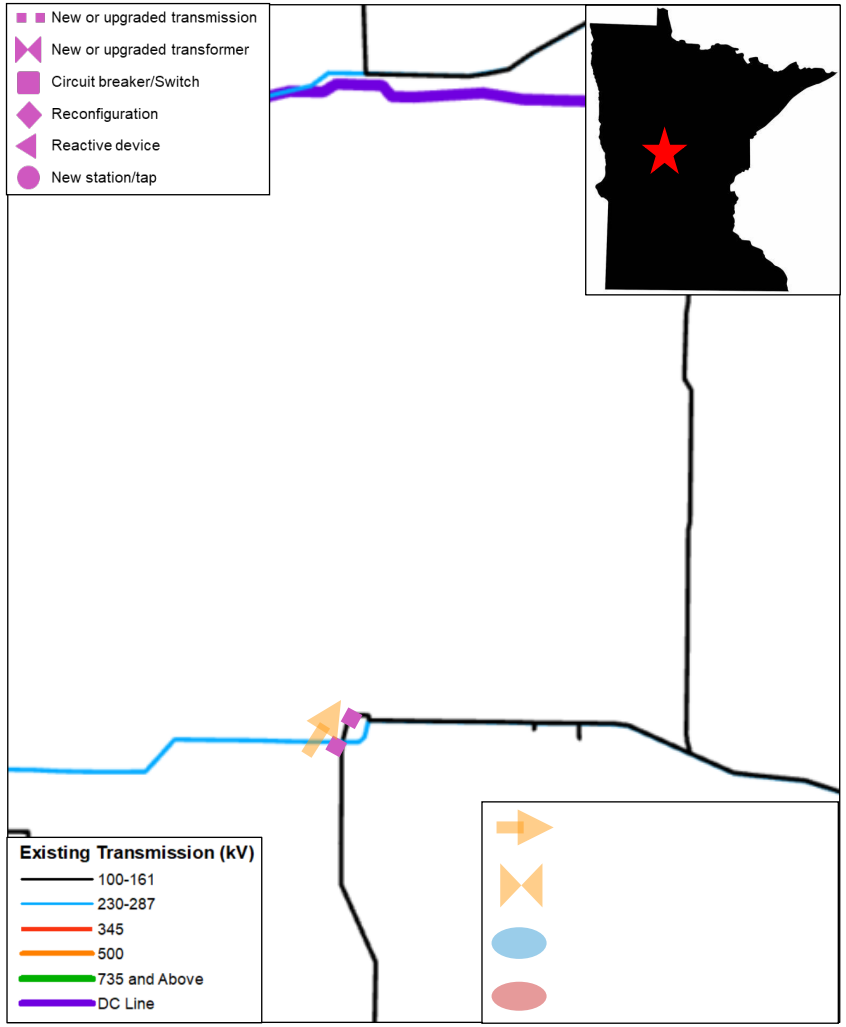
# MP MTEP26 ISD Breakdown




Project information as of 5/15/26.

# 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 |

Unlabeled

# Baseline Reliability Project
# Details for 133 Line Rebuild

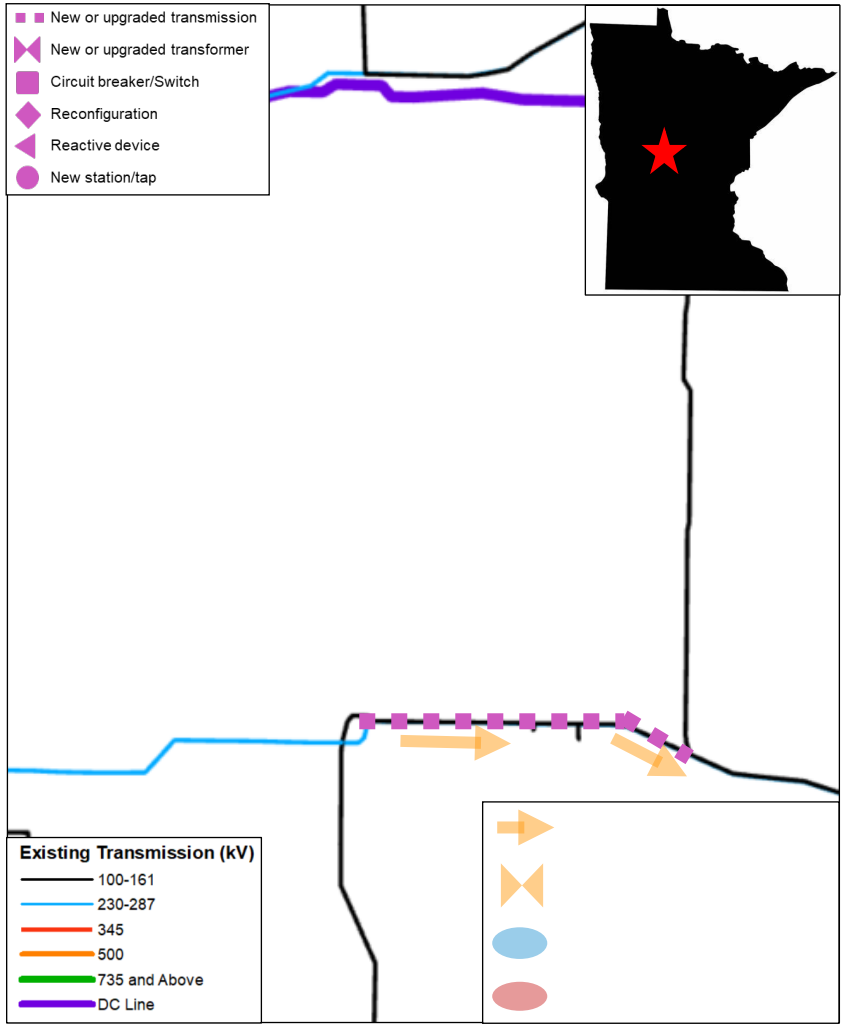
- There are existing thermal violations on the 133 Line in MTEP25 Steady State results for NERC defined P6 contingency events. Evaluation of this project will be continued between SPM2 and SPM3.

Preliminary Recommendation: Continued analysis in MTEP26



Unlabeled

# 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 |

Unlabeled

# 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.


Unlabeled

# 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.

Unlabeled

# 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.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Unlabeled

# Otter Tail Power Company (OTP)

# OTTER TAIL POWER COMPANY

## MTEP26 Projects

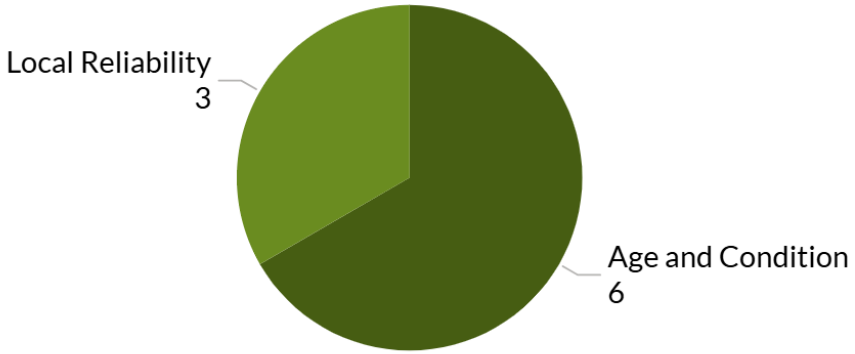



**9**
Total Projects

**$9M**
Investment

### Breakdown of Other Project Types

By Project Count

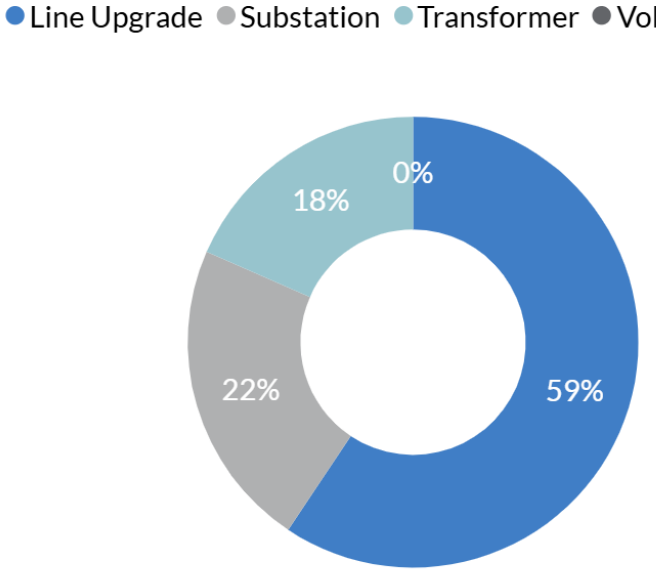



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



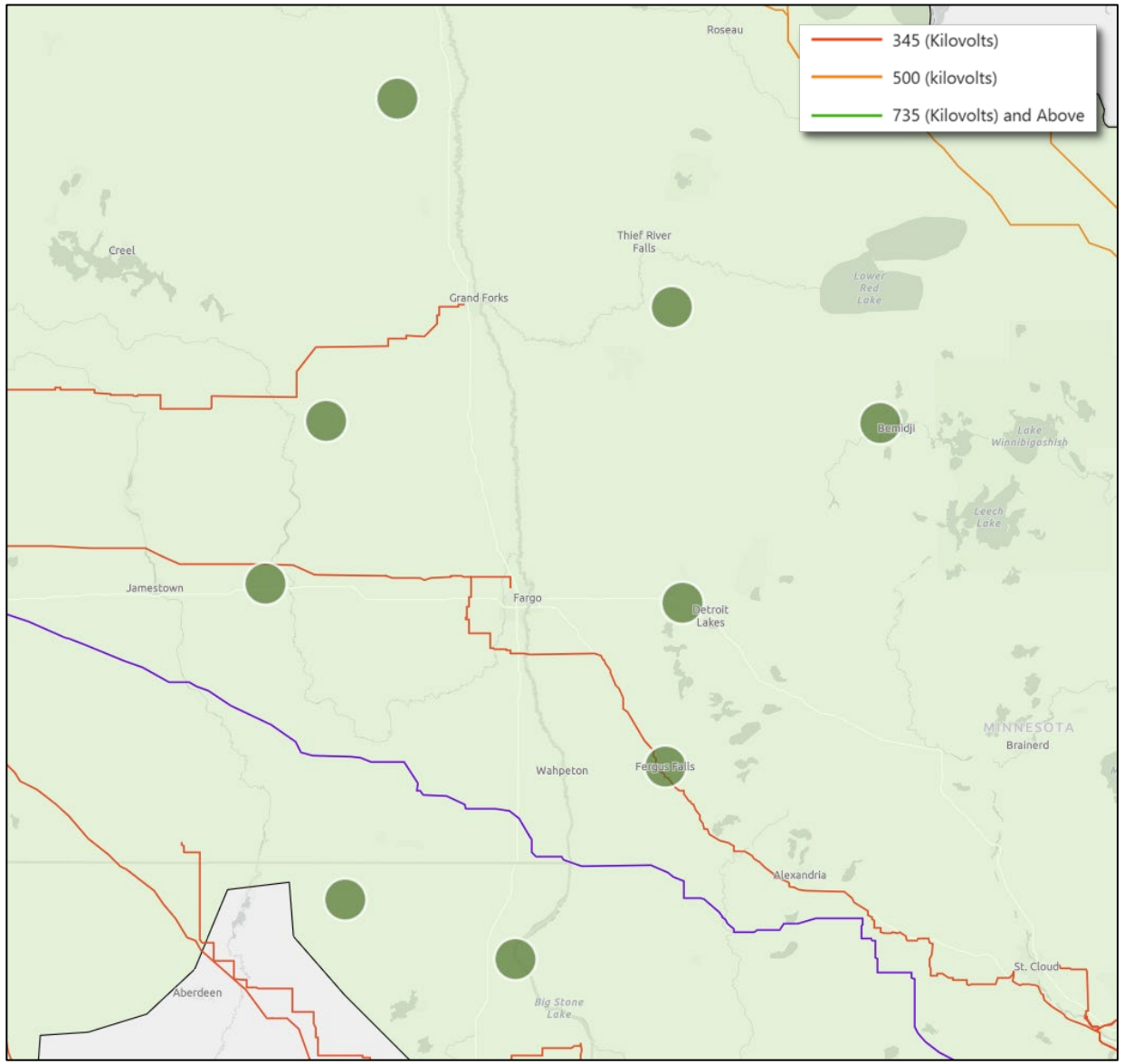
Unlabeled

# OTP MTEP26 Project Type Breakdown

## OTTER TAIL POWER COMPANY

MTEP26 Summary

| | |
|---|---|
| GIP | (Blank) |
| BRP | (Blank) |
| Other | 9 |

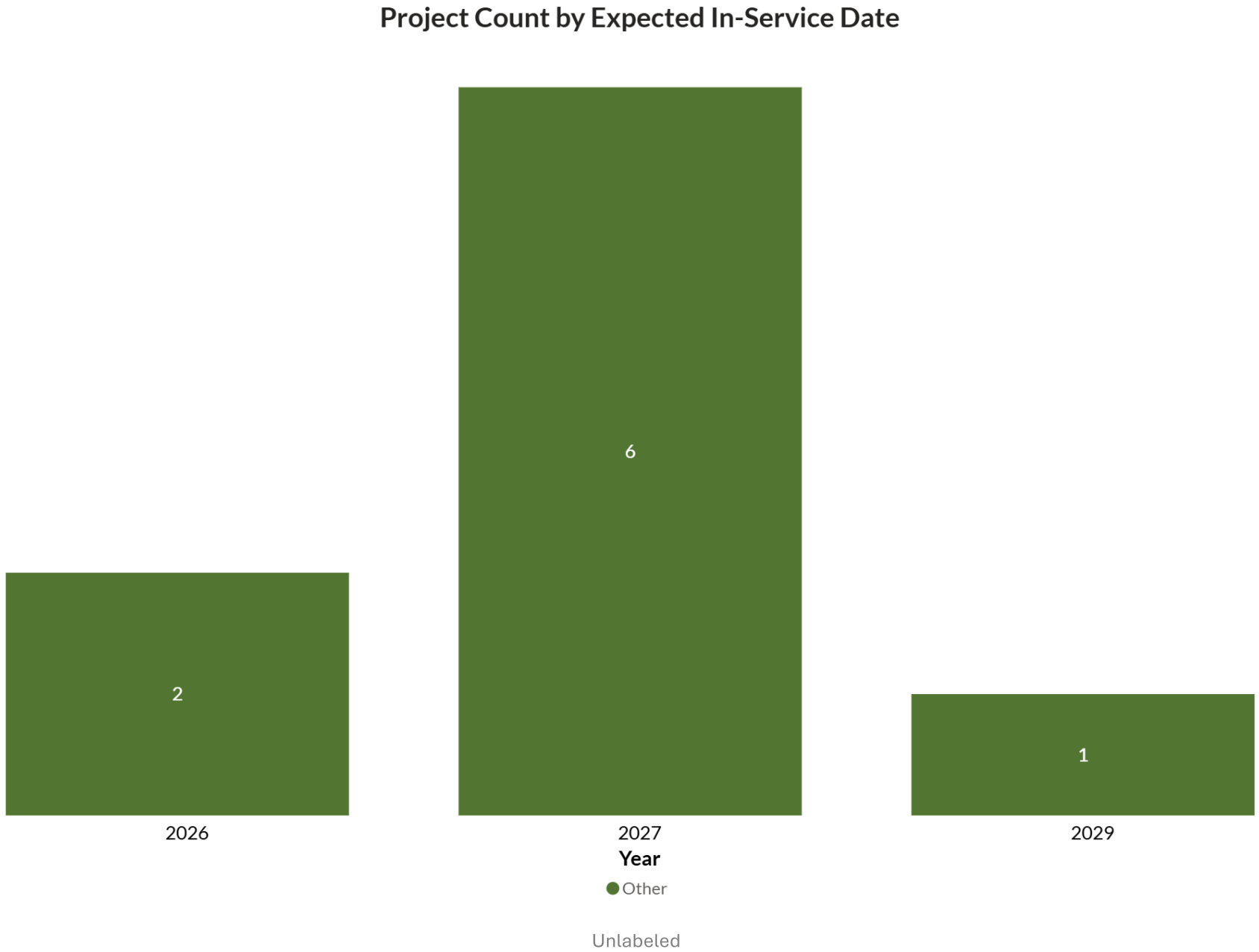



Project information as of 5/15/26.



Unlabeled

# OTP MTEP26 ISD Breakdown




Project information as of 5/15/26.

# 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 |

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

# 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 |


Unlabeled

# MINNKOTA POWER COOPERATIVE, INC

## MTEP26 Projects

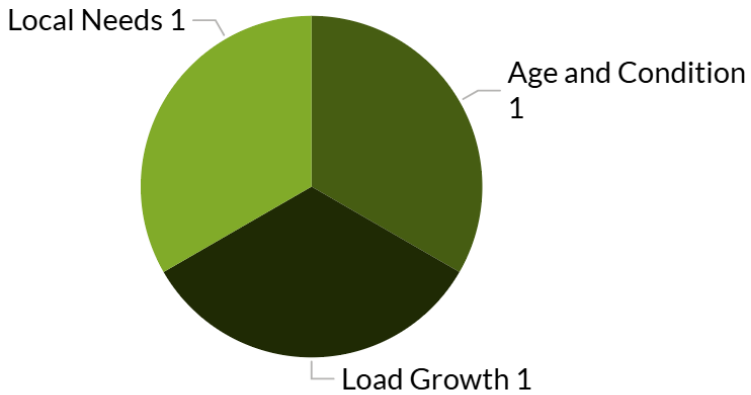



**4**
Total Projects

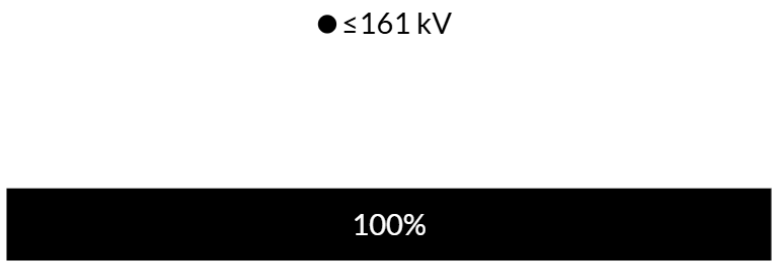
**$34M**
Investment

### Breakdown of Other Project Types

By Project Count

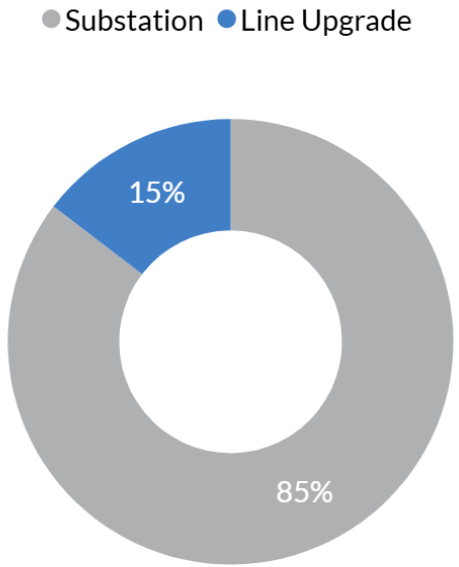



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.

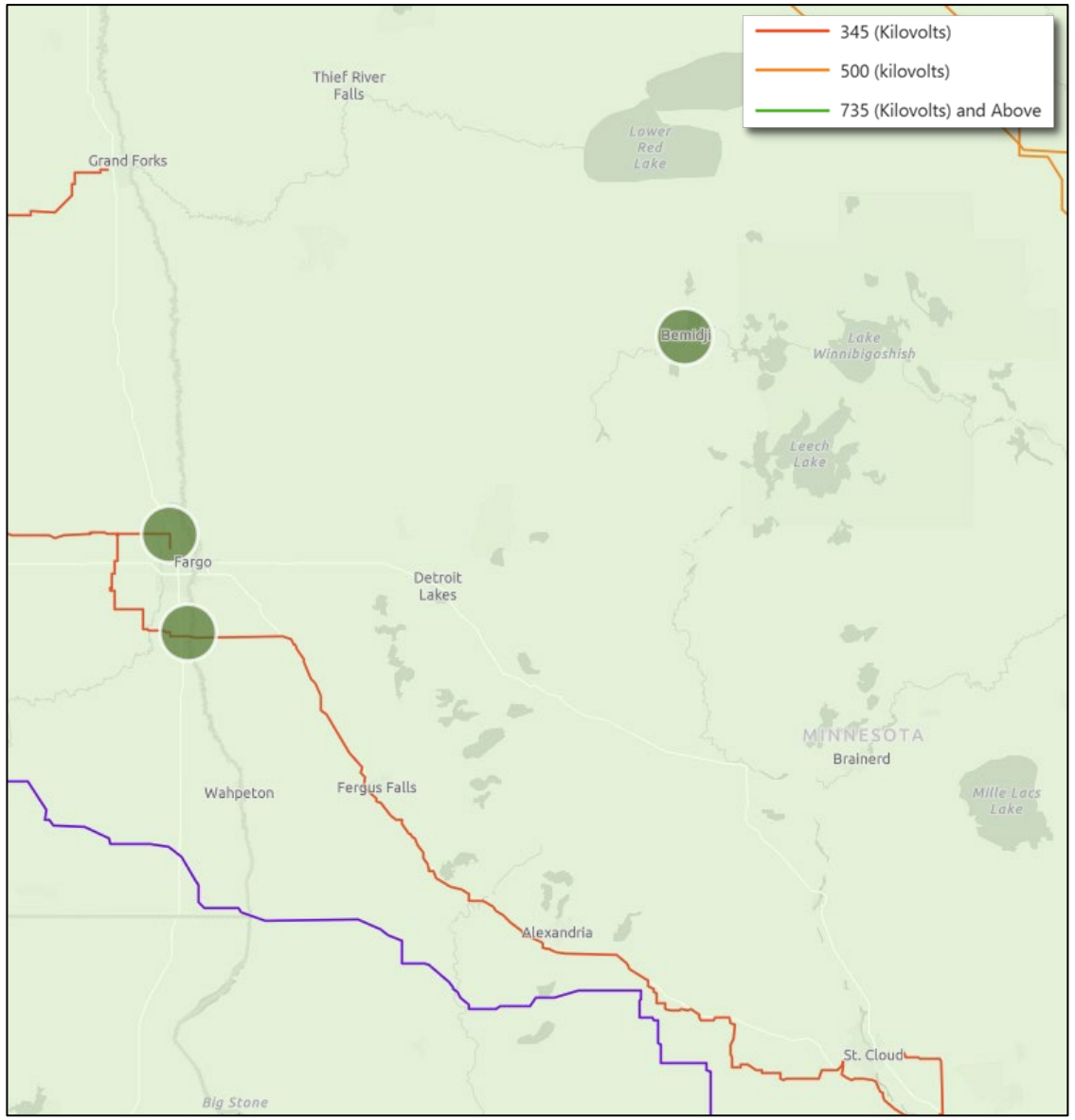
Unlabeled

# MINNKOTA POWER COOPERATIVE, INC MTEP26 Project Type Breakdown

## MINNKOTA POWER COOPERATIVE, INC

MTEP26 Summary

| | |
|---|---|
| GIP | 1 |
| BRP | (Blank) |
| Other | 3 |

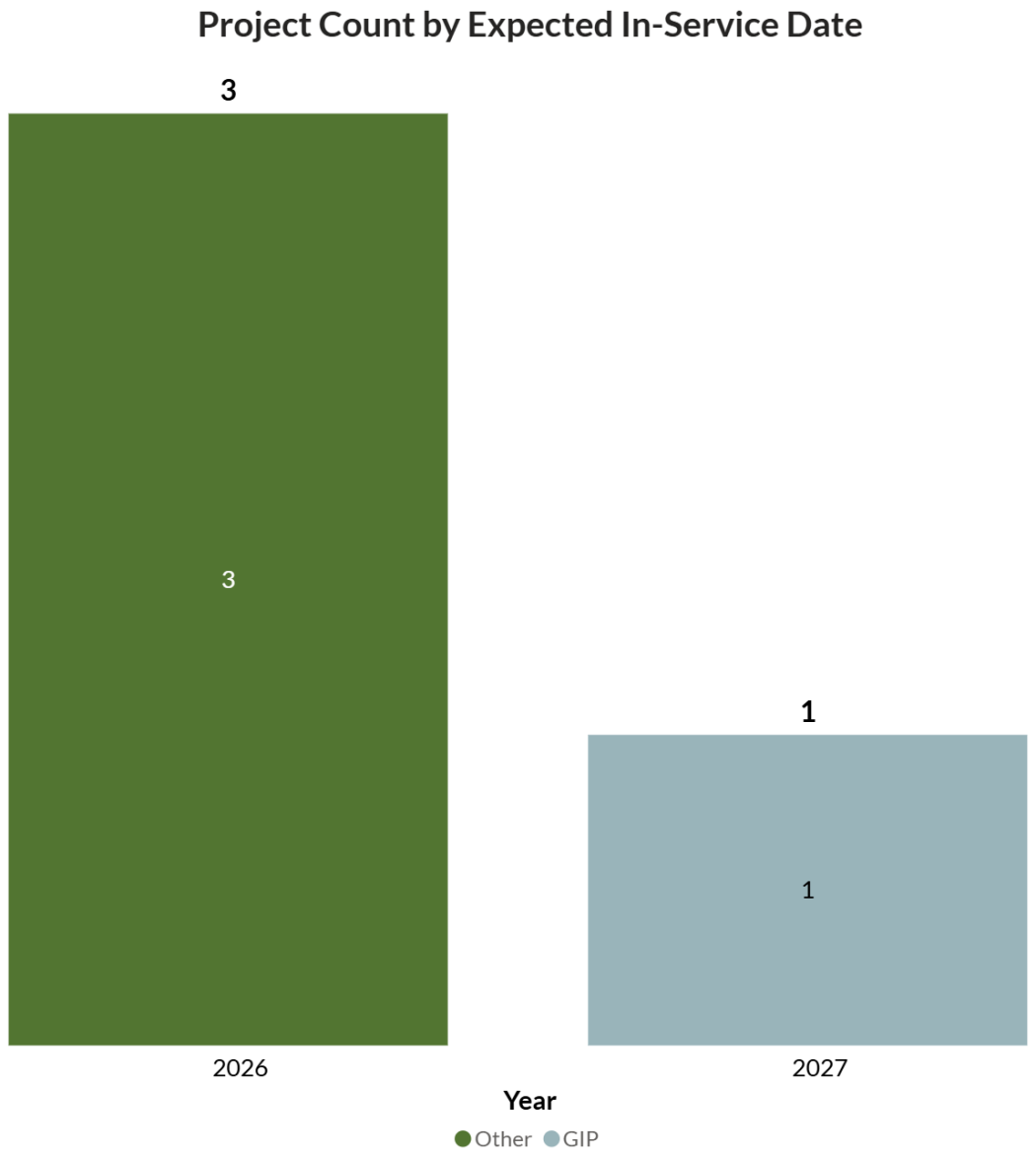



Project information as of 5/15/26.



Unlabeled

# MINNKOTA POWER COOPERATIVE, INC MTEP26 ISD Breakdown

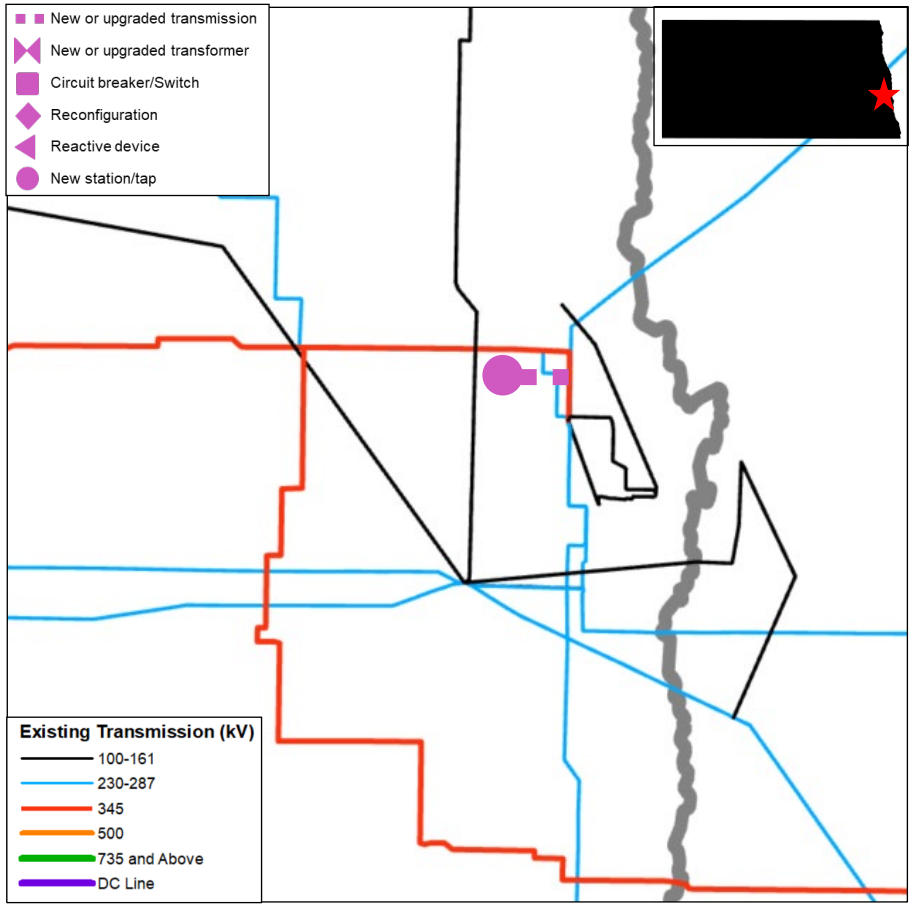



Project information as of 5/15/26.

# 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 |



Unlabeled

# 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 |

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

# 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 |

# Contacts

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Unlabeled

# Questions?



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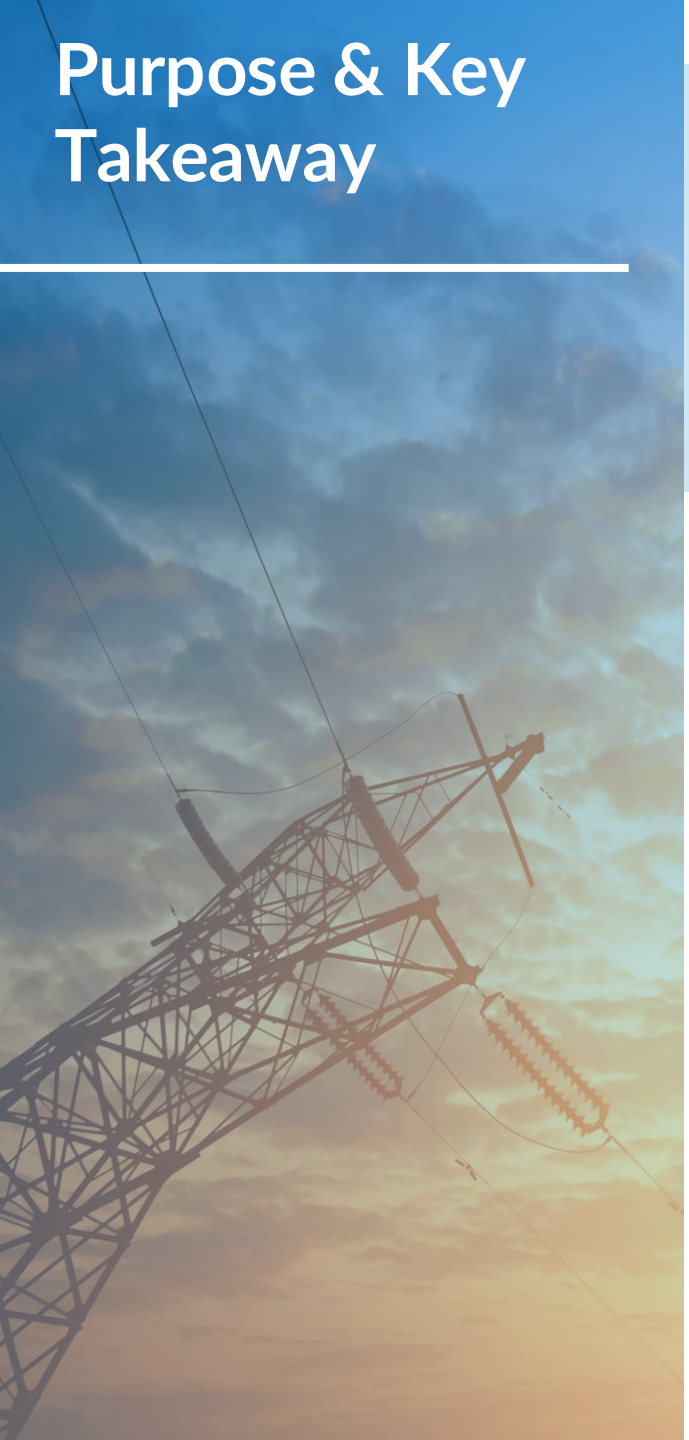

# MTEP26 Project Information

## 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

Unlabeled

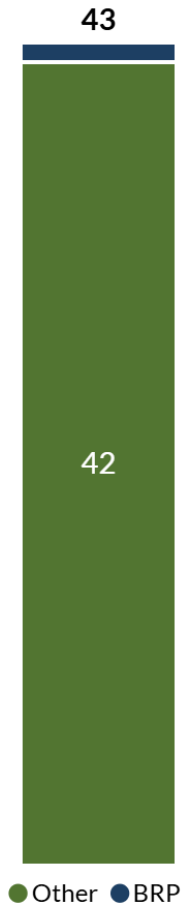
# Update on Current Cycle Projects since SPM1

| 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' |


Unlabeled

# NORTHERN STATES POWER COMPANY

## MTEP26 Projects

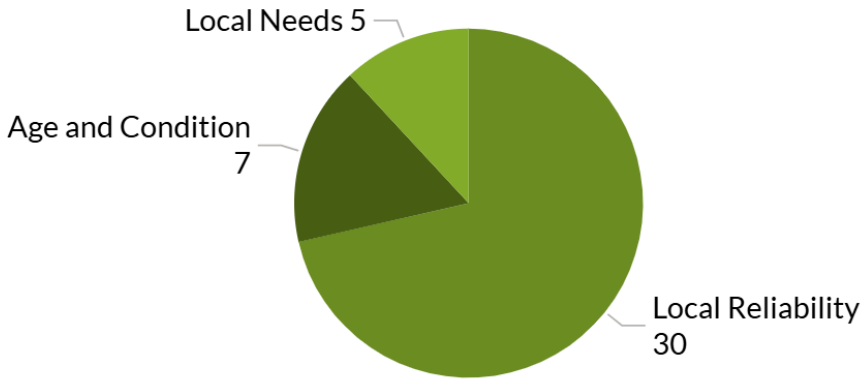



**43**
Total Projects

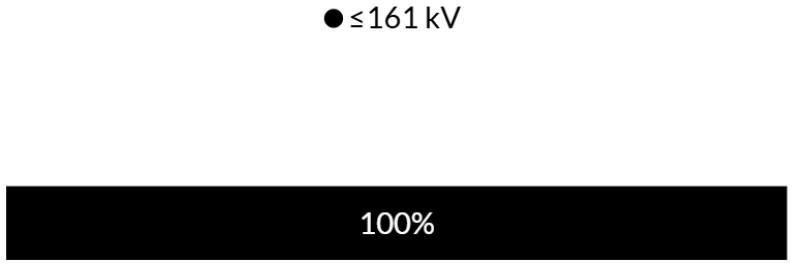
**$656M**
Investment

## Breakdown of Other Project Types

By Project Count

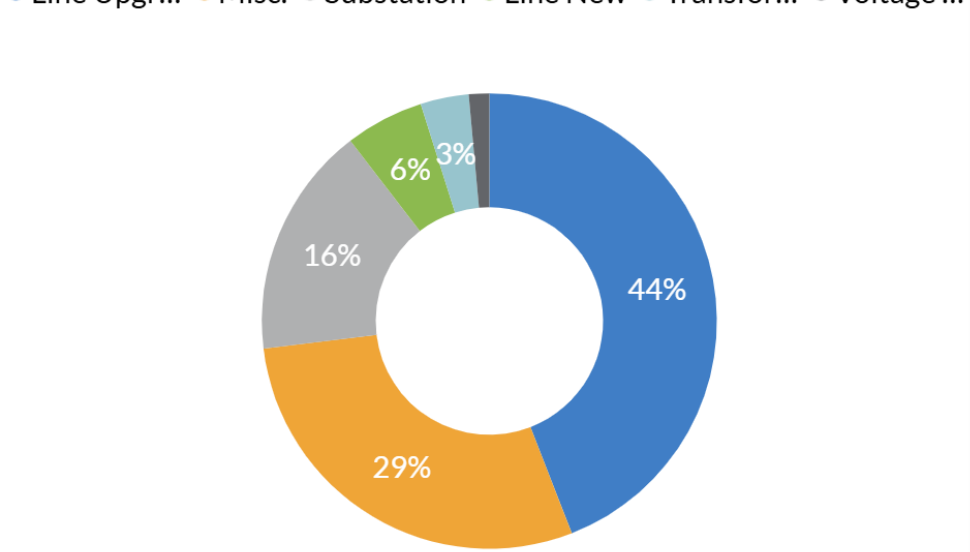



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 5/15/26.



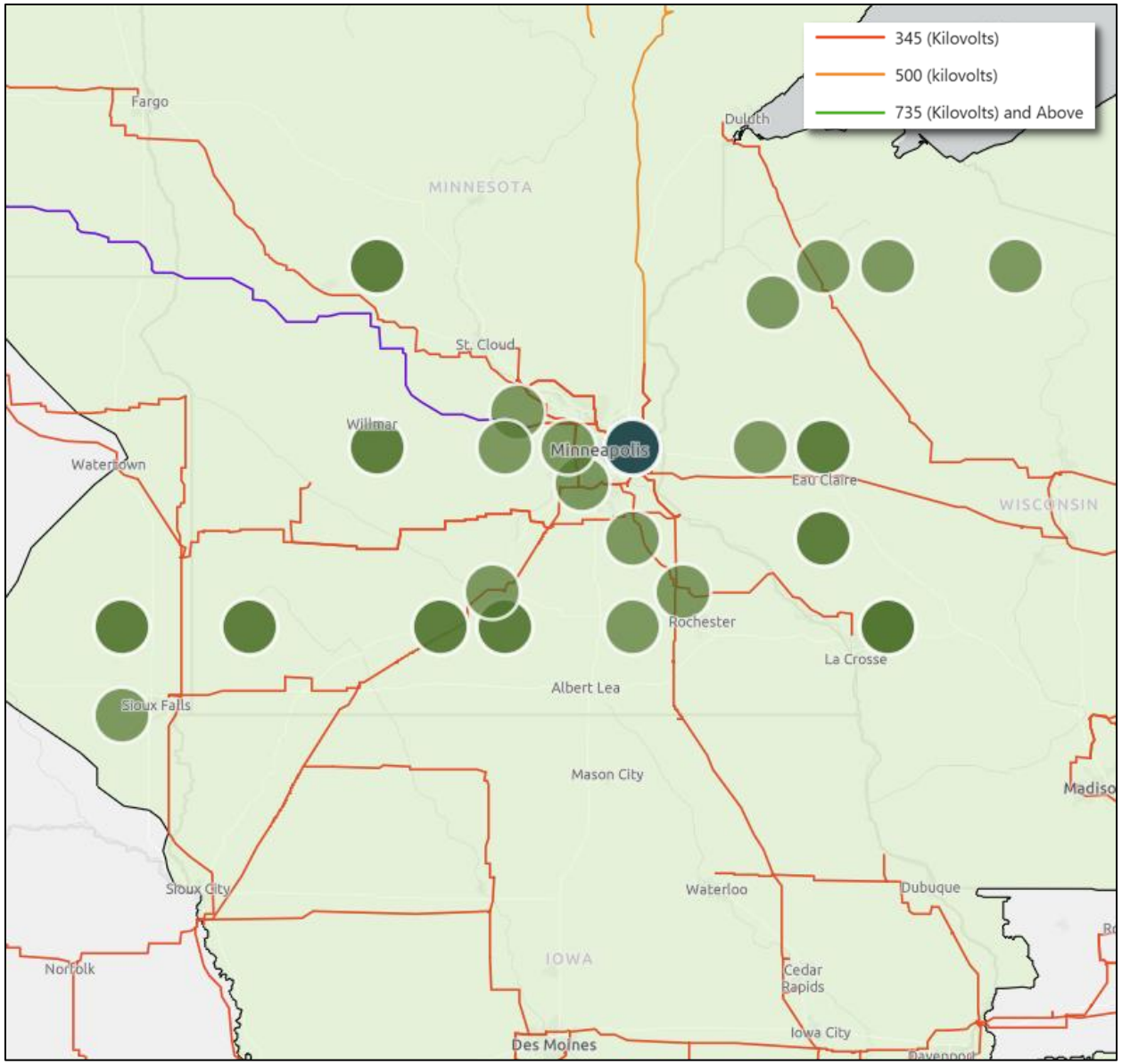
Unlabeled

# XEL MTEP26 Project Type Breakdown

## NORTHERN STATES POWER COMPANY

MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 42 |

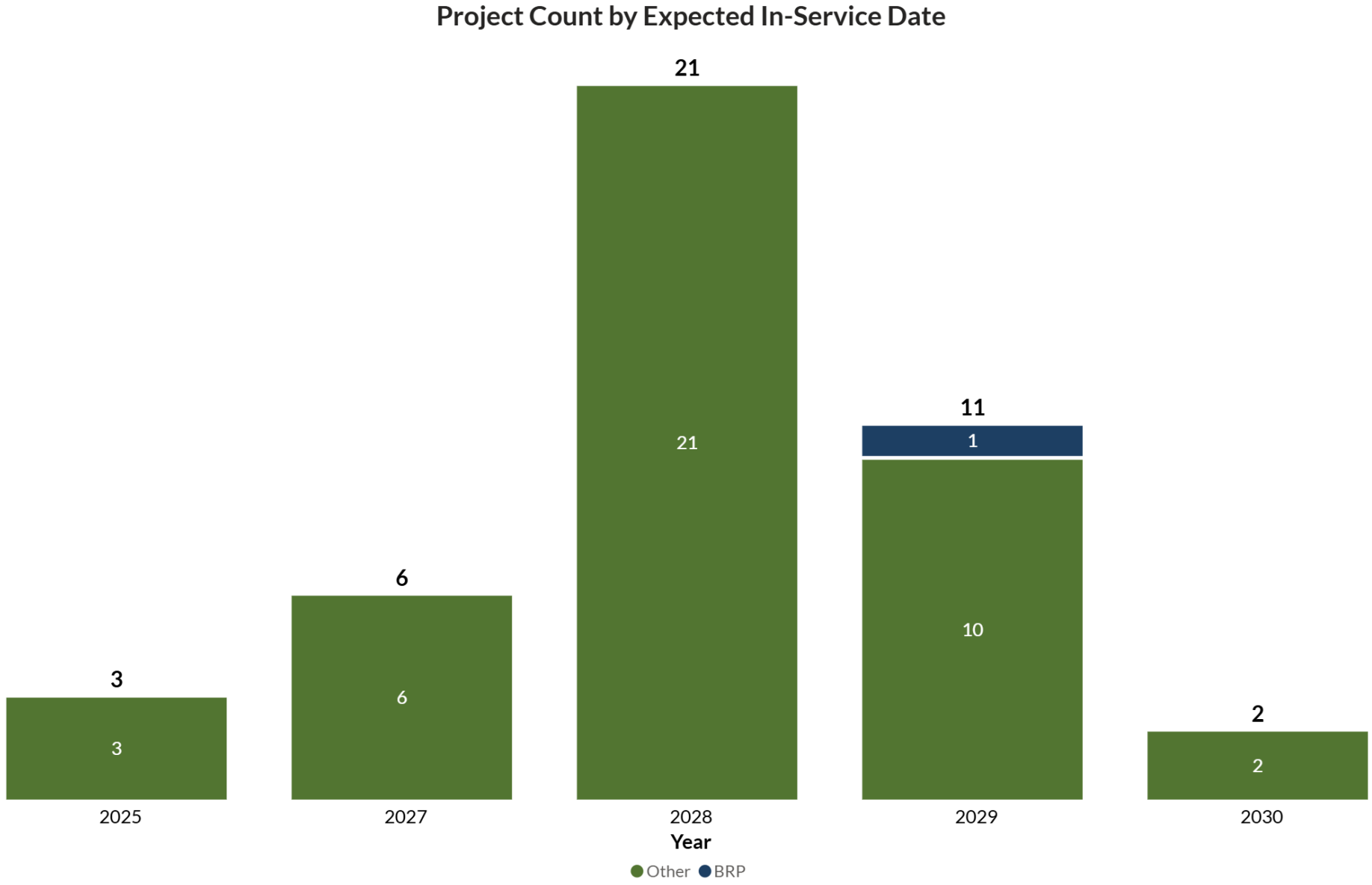



Project information as of 5/15/26.



Unlabeled

# XEL MTEP26 ISD Breakdown

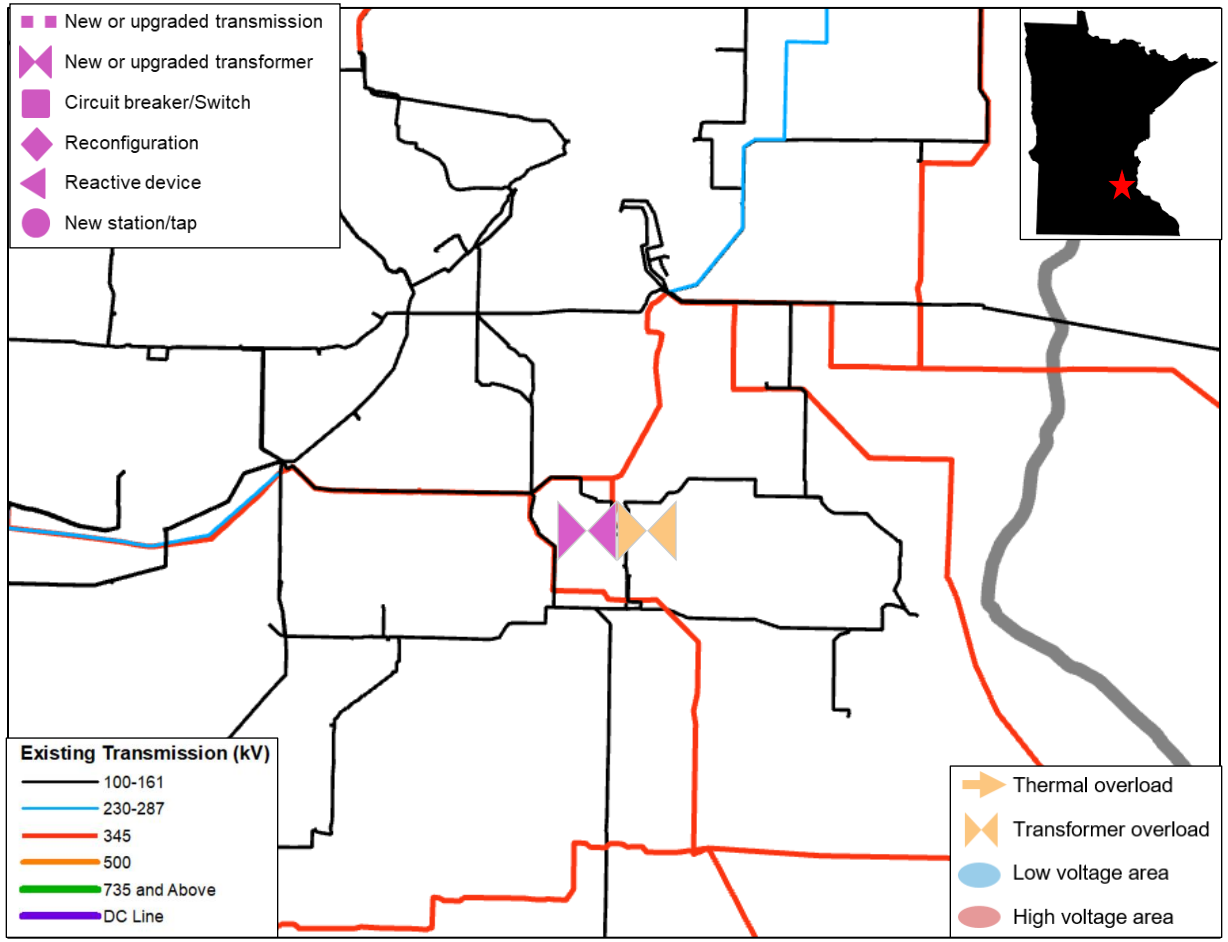



Project information as of 5/15/26

# 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 |



Unlabeled

# 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



Unlabeled

# 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.

Unlabeled

# 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.

Unlabeled

# 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.
Bold and Underlined MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Unlabeled

# 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 |

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

# 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.

Unlabeled

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

# Contacts

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Unlabeled

# Questions?



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# MTEP26 Reliability Planning Scope Overview

Central Subregional Planning Meeting (CSPM)

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Present MISO's MTEP26 project recommendations for December Board approval

## Key Takeaways

- Of those, 165 are proposed in the Central region

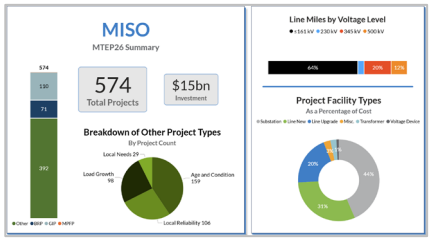
MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026

# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

**Local Reliability Journey Begins Here**

**TO/MP Submit Project Proposals**
***Sept. 15th***

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**We are here (SPM3)**

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

MTEP Report

| 2025 | | | | | | | | | | | | 2026 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

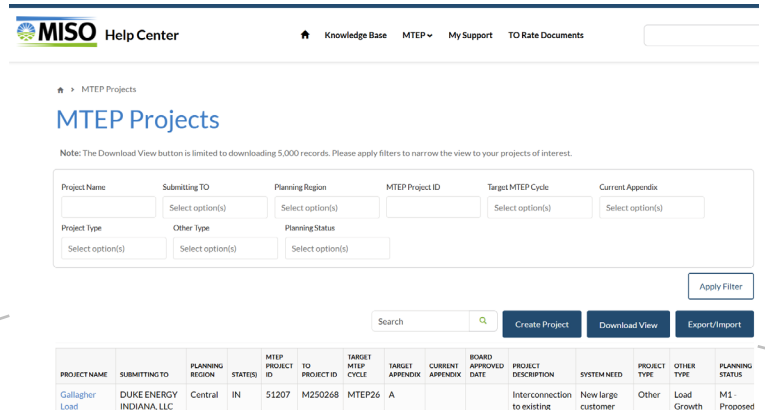
**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

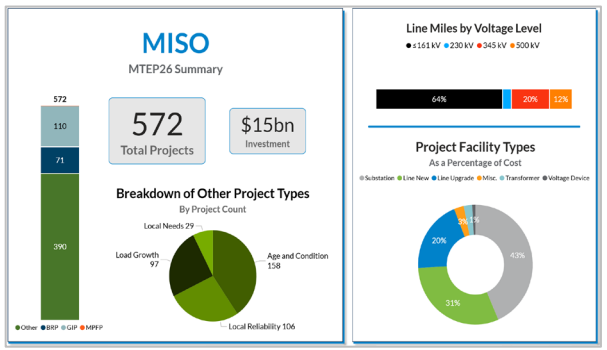
**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

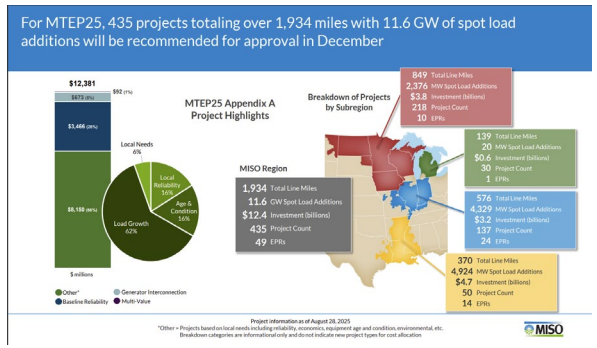
**Present Day**



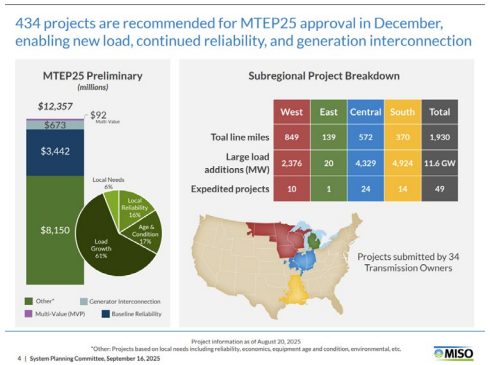

## Subregional Planning Meeting (SPM)



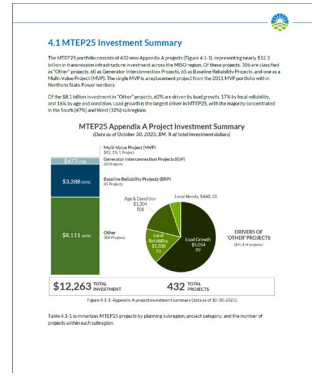

## Planning Advisory Committee (PAC)

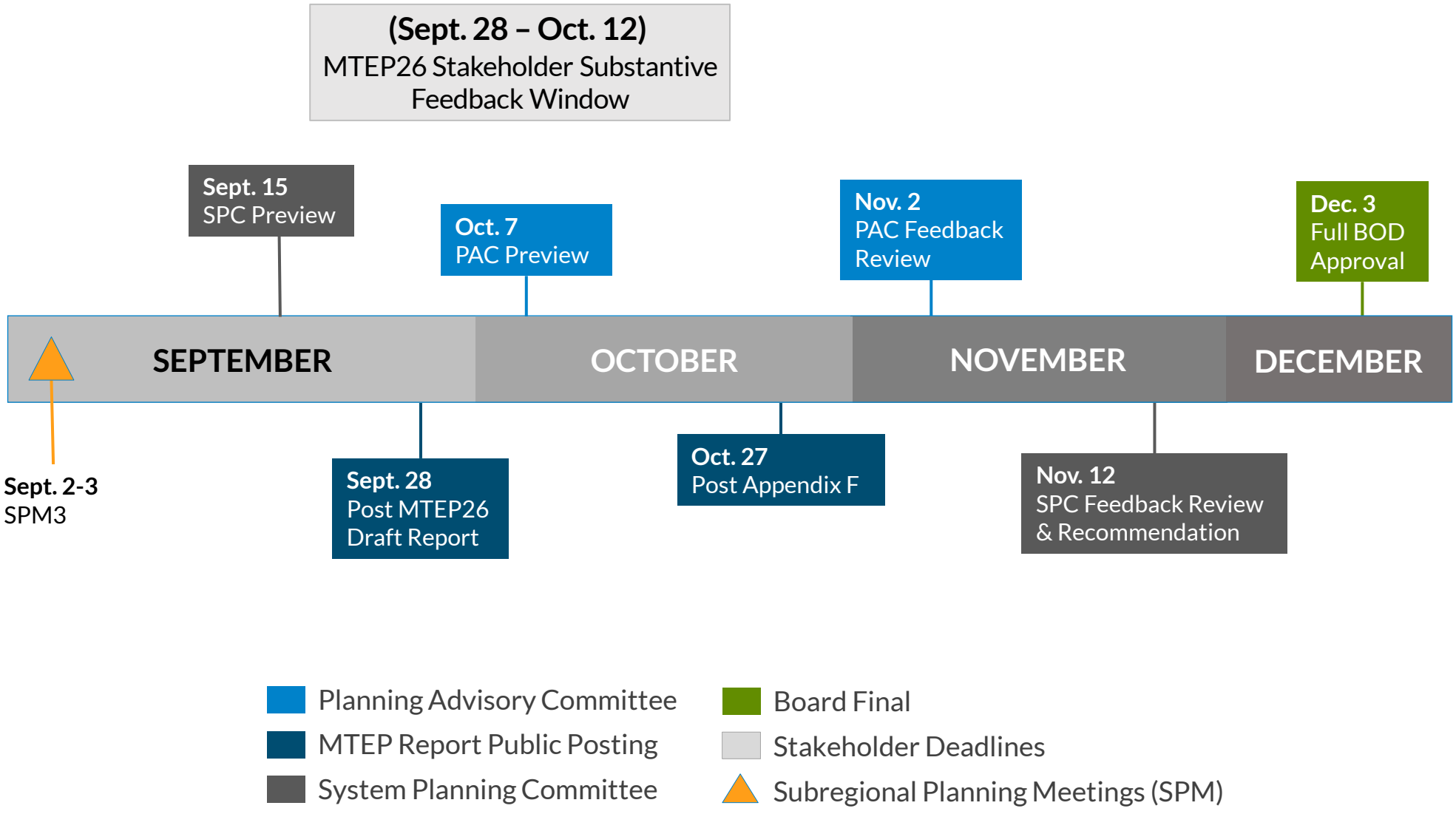



## System Planning Committee (SPC)




## Official MTEP Report






Dates as of 5/15/2026

- Each year, in accordance with Section 2.8.2.1 of the MISO Transmission Planning Business Practice Manual, MISO requests feedback regarding the study scope for the MISO Transmission Expansion Plan (MTEP).
- While the MTEP scope is fixed in part by provisions of the Owners Agreement, Tariff, and Business Practices Manuals, additional study items may be added, as necessary, from cycle-to-cycle.
- In addition to the core MTEP studies, MISO will resume the Long-Range Transmission Planning study under LRTP Midwest.
- MISO will continue Interregional Planning study efforts with SPP and PJM.
- Scope input received in stakeholder forums will be presented for discussion at the Planning Advisory Committee later this fall.

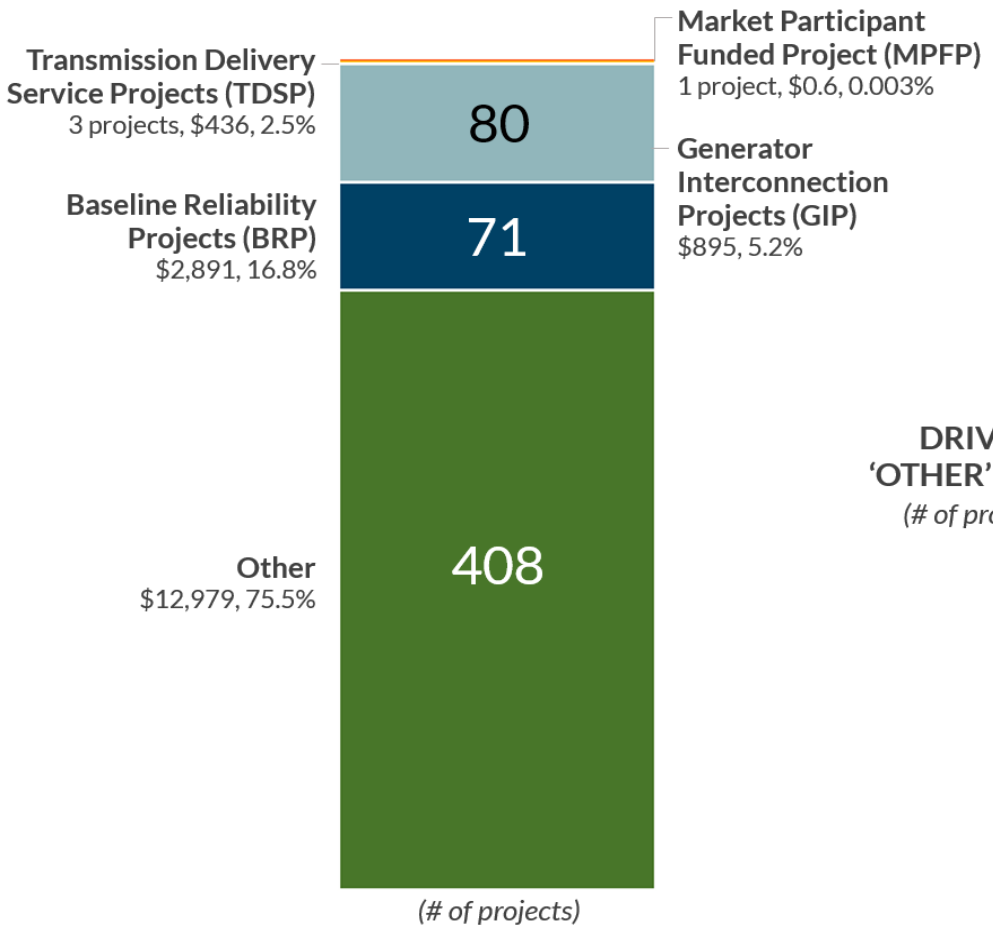
- MISO requests feedback by October 29, 2026, on MTEP27 study scope focus on additional/modified planning study work.
- Feedback requests and responses are managed through the Feedback Tool on the MISO website: https://www.misoenergy.org/engage/stakeholder feedback/
  - For comments on MISO's planning policies or processes, use the *Informal Feedback* request on the tool.

# MTEP26 Overview



# MTEP26 Appendix A Project Portfolio Summary

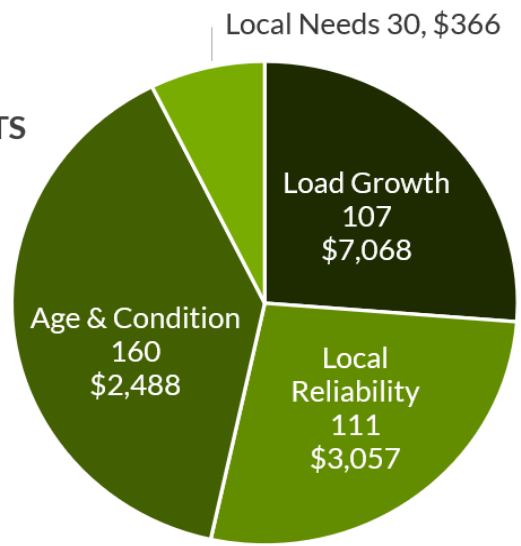
*(Data as of August 19, 2026; # of projects, $M, % of total investment dollars)*

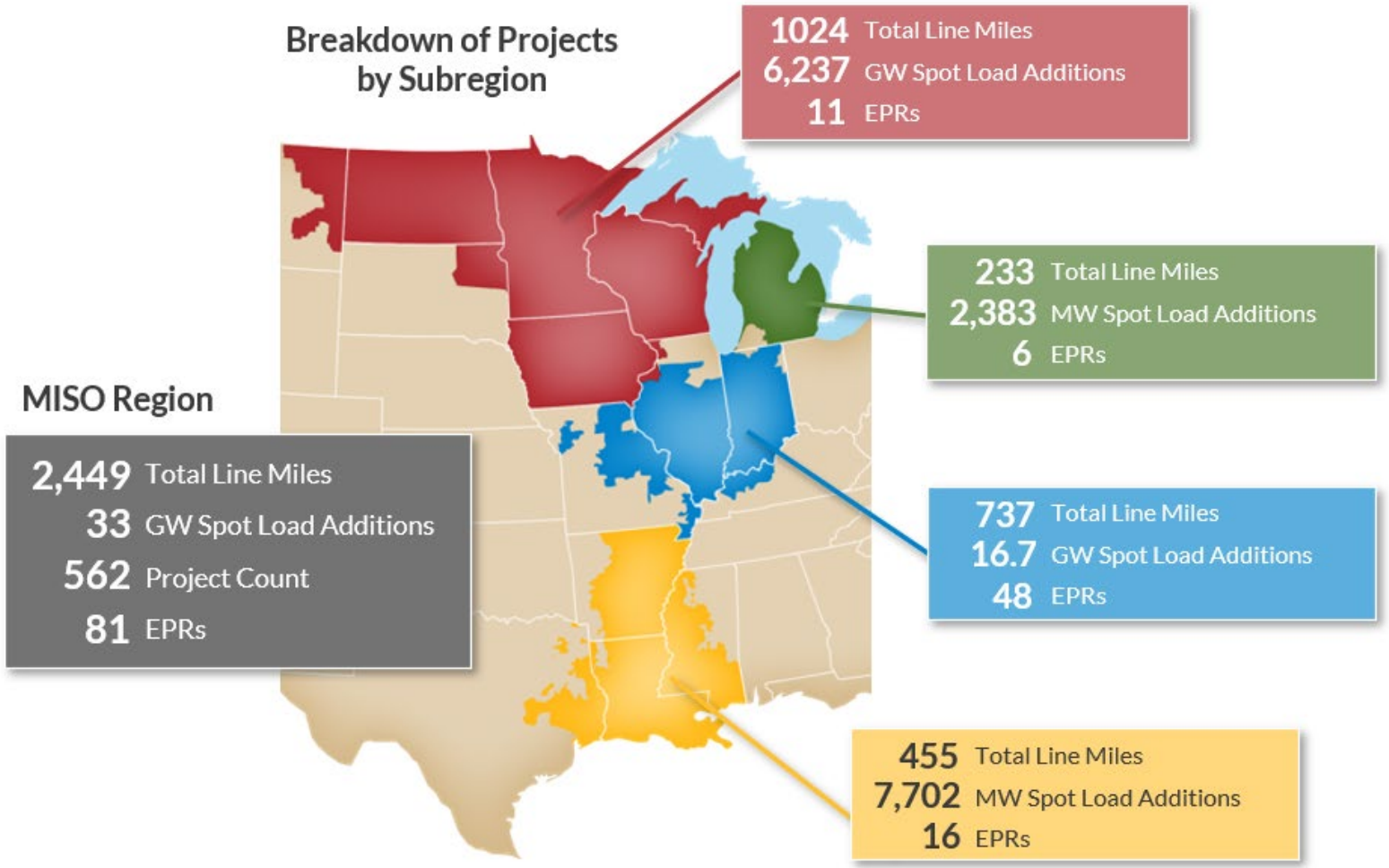


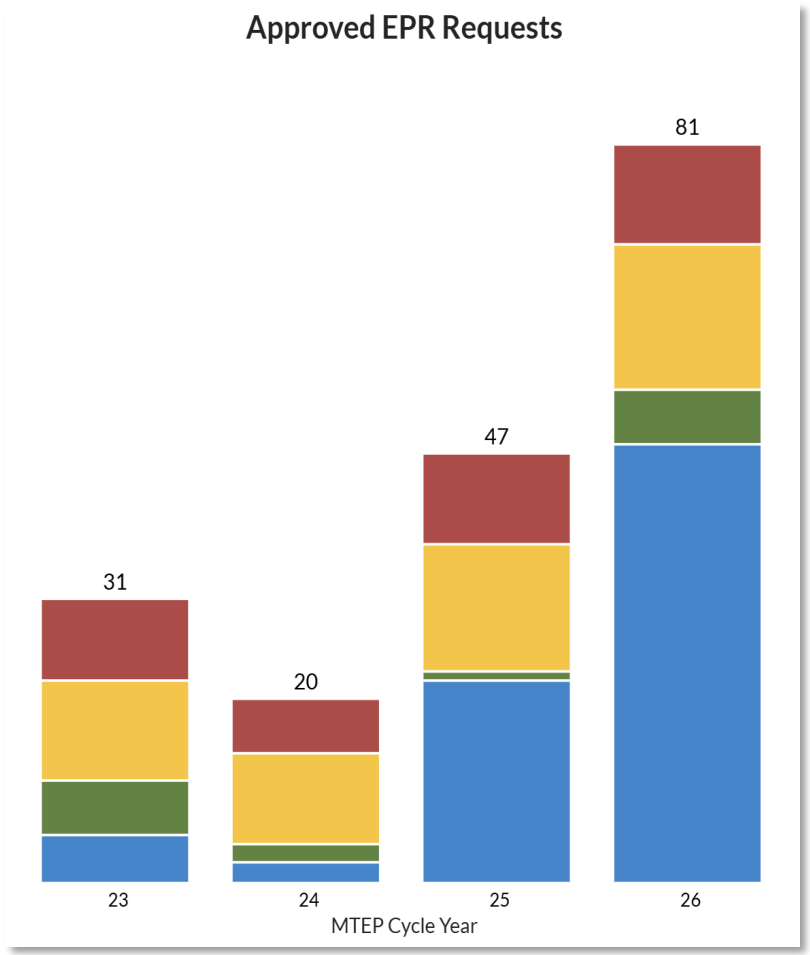

**562**
Total Projects

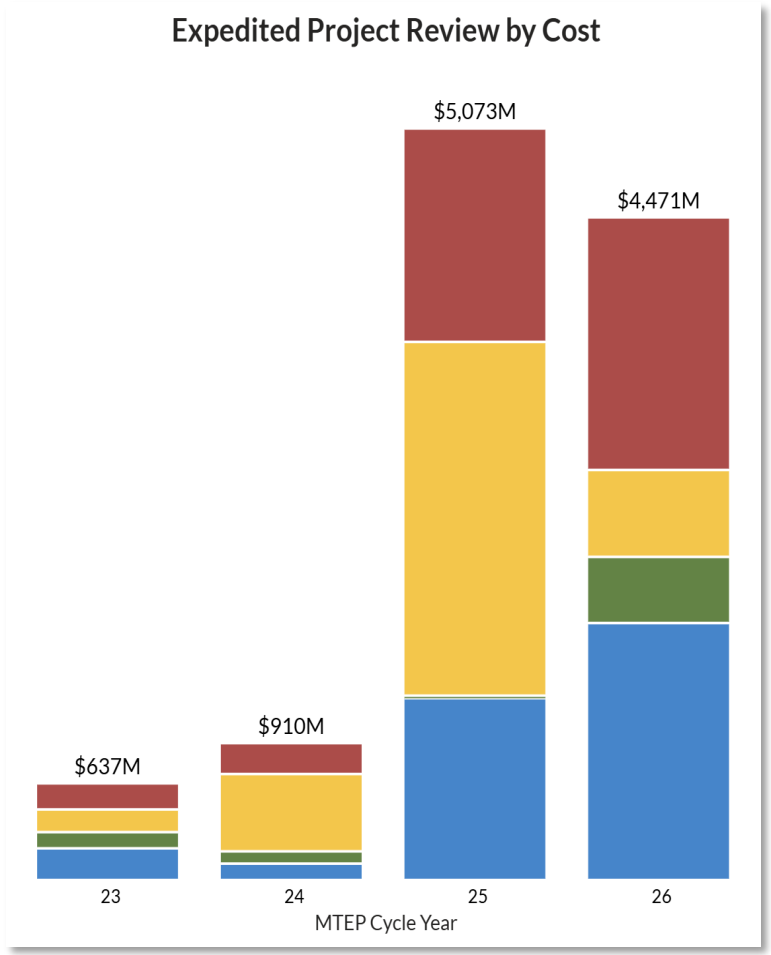
**$17,202**
Total Investment ($M)

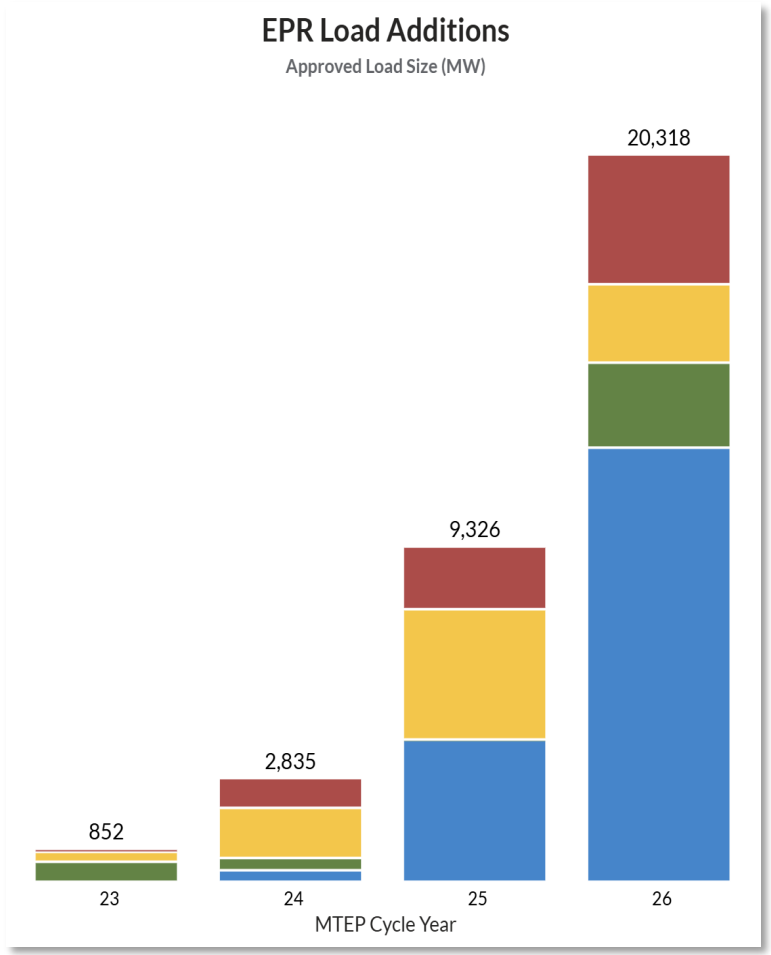
**DRIVERS OF 'OTHER' PROJECTS**
*(# of projects, $M)*




Breakdown of Projects by Subregion
1024 Total Line Miles
6,237 GW Spot Load Additions
11 EPRs
233 Total Line Miles
2,383 MW Spot Load Additions
6 EPRs
MISO Region
2,449 Total Line Miles
33 GW Spot Load Additions
562 Project Count
81 EPRs
737 Total Line Miles
16.7 GW Spot Load Additions
48 EPRs
455 Total Line Miles
7,702 MW Spot Load Additions
16 EPRs



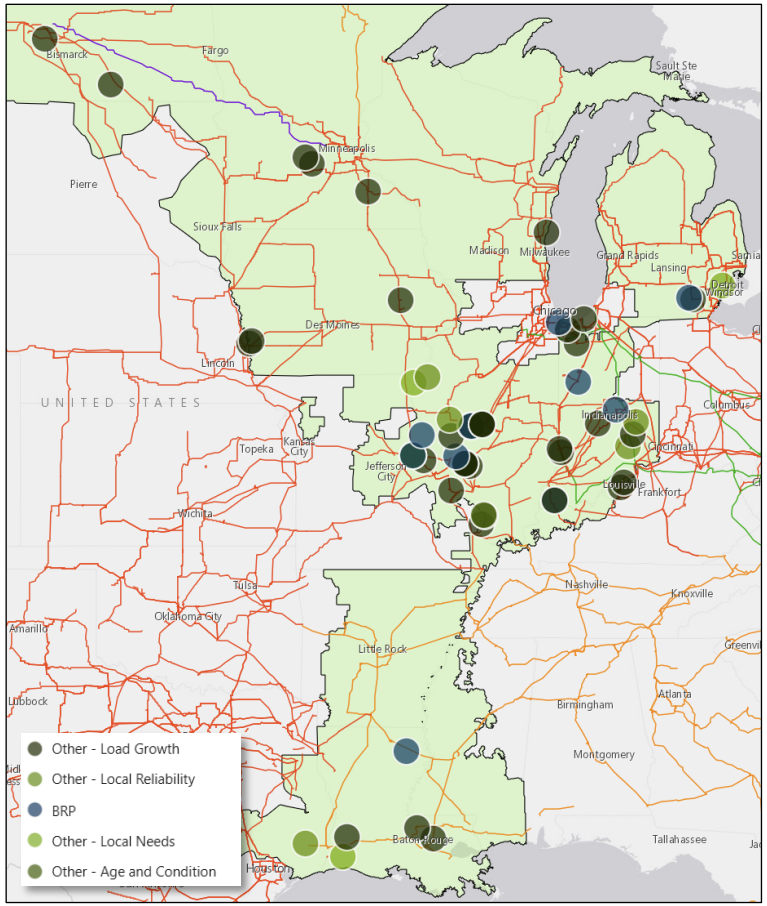



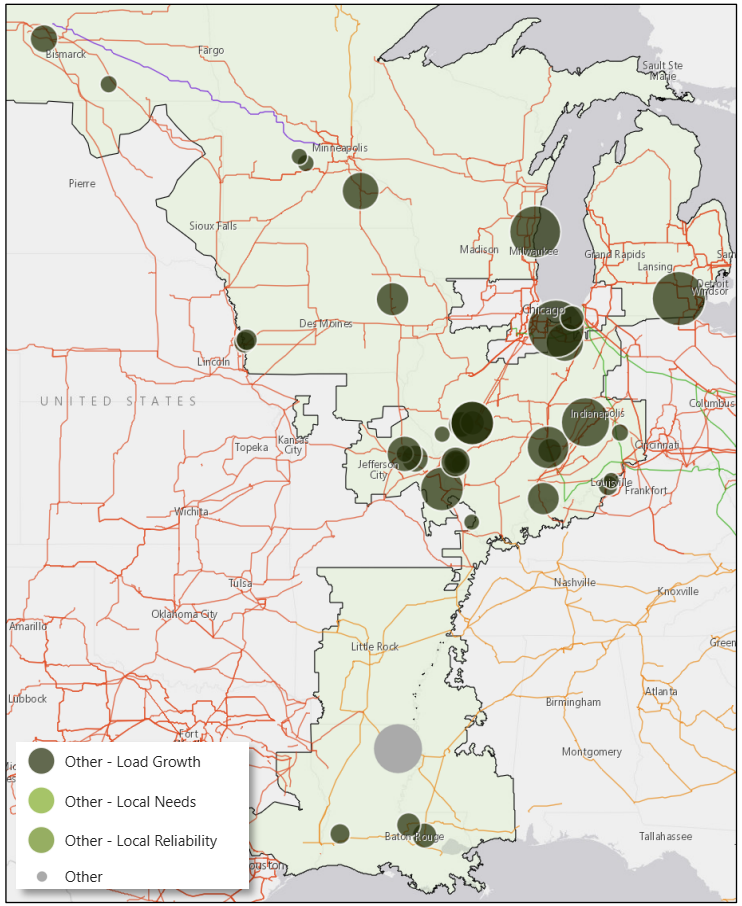

West East Central South

Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

# MTEP26 EPR Locations




# MTEP26 EPR Spot Load Locations

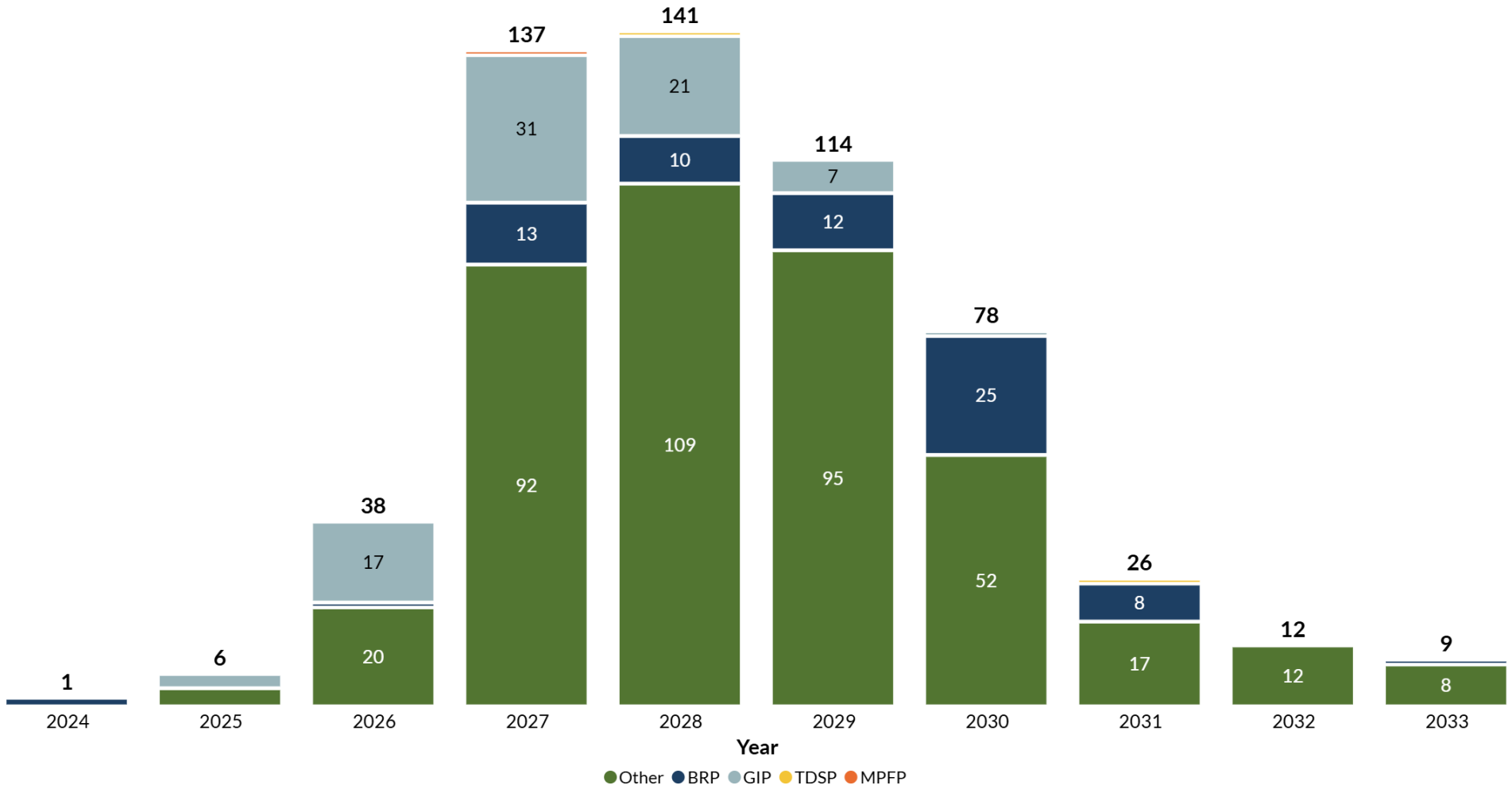



*Scaled by Load Size*

| Upcoming EPR Schedule | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| September 8, 2026 | |
| October 6, 2026 | October 1, 2026 |
| November 3, 2026 | |
| December 1, 2026 | December 1, 2026 |

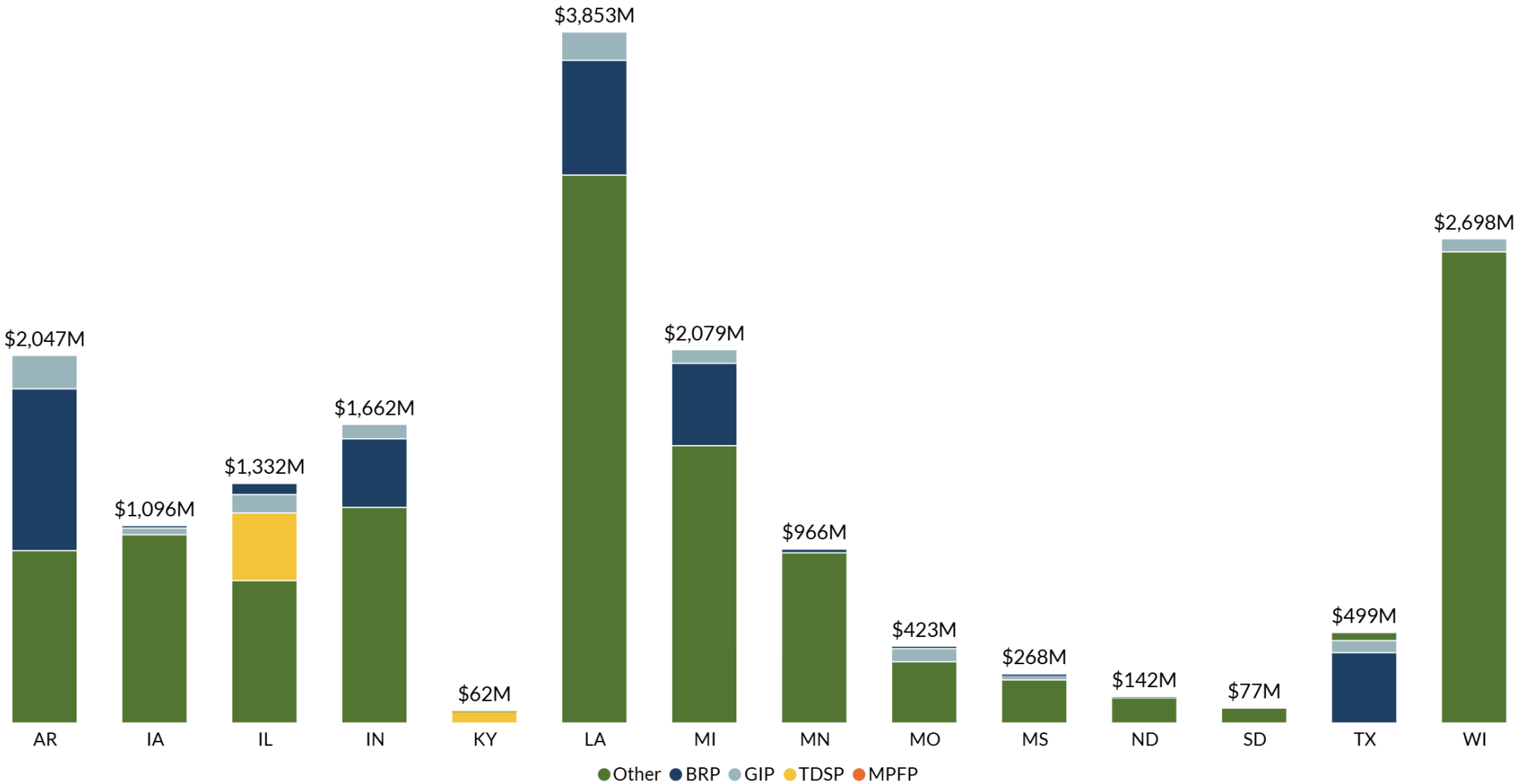
Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

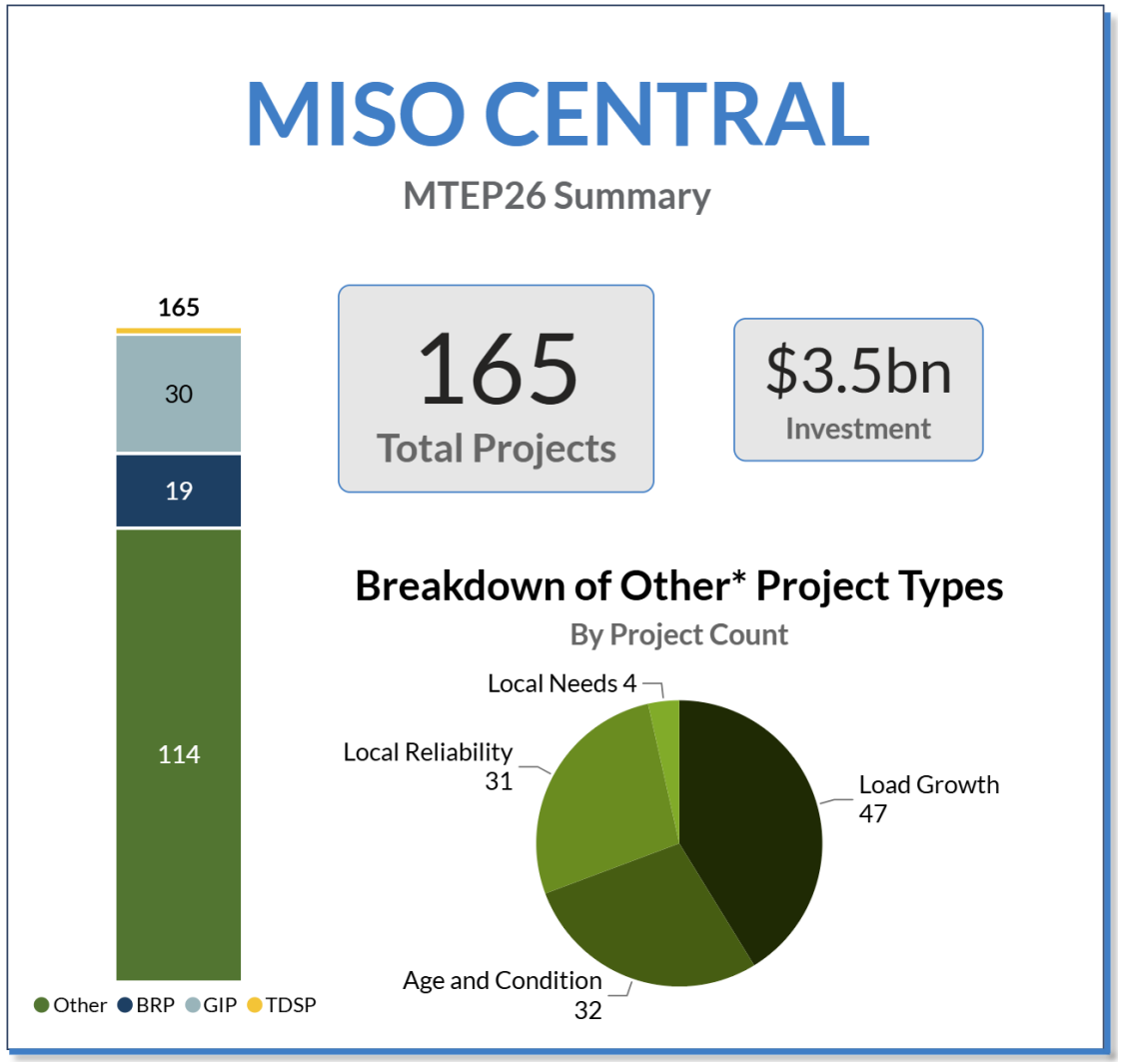
## Project Count by Expected In-Service Date



# MTEP26 Investment By State

By Project Type






## Key Region Insights

- Load Growth is a main driver for projects in the Central Region
- Indiana has seen the highest load growth in the central region this cycle
- The majority of Generator Interconnection Projects (GIP) are in Illinois

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MTEP Portal.
Project information as of 8/19/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.

## Things to keep in mind as all MISO Planners present individual TO presentations

- Present projects submitted for MTEP26 approval and describe any proposed alternatives
- MISO identified N-1-1 reliability issues and is developing corrective action plans with collaboratively with TOs
- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026. To view all MTEP project details, please visit the MTEP Portal.
- Today's recommended project information will be used in the MTEP26 Report

## Next Steps

### MISO

- Continue independent reliability assessment to identify solutions for issues seen in the paired contingency runs
- Finalize the MTEP26 Report
- Recommend MTEP26 projects for Board of Directors approval

### Stakeholders

- Provide inputs on identified issues from the paired contingency runs
- Provide input on the MTEP26 Report (Publish date is scheduled for Sep. 28, stakeholder feedback window is Sep. 28 – Oct. 12)

# 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




# MTEP26 Project Information – Illinois

Central Subregional Planning Meeting (CSPM)

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



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

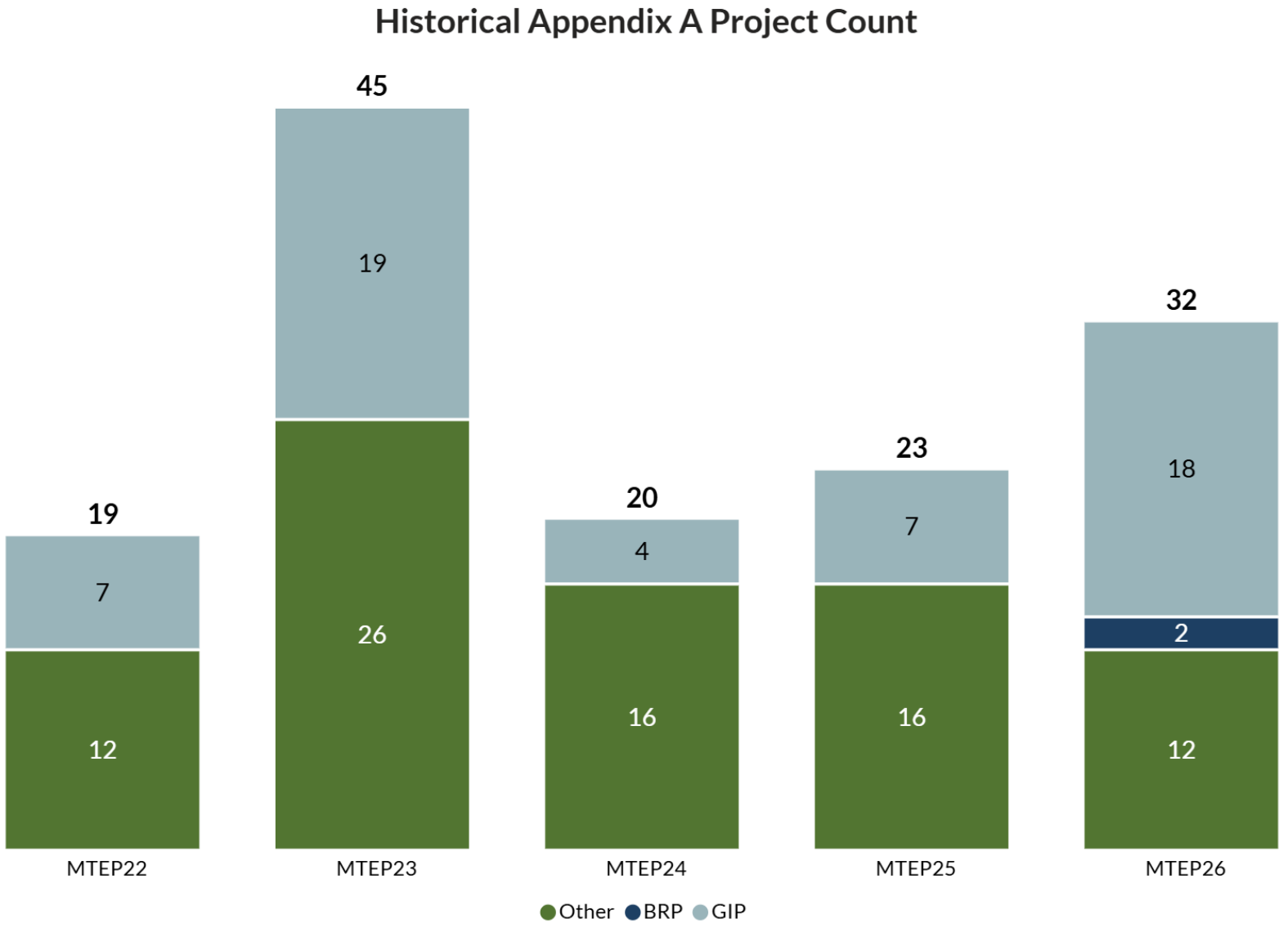
- Ameren Illinois (AMIL)
  - 32 submitted projects at an estimated cost of $410 million
- GridLiance Heartland (GLH)
  - 2 submitted projects at an estimated cost of $436 million
- Prairie Power, Inc. (PPI)
  - 15 submitted projects at an estimated cost of $107 million
- CWLP and SIPC did not submit projects for consideration in MTEP26

# Ameren Illinois (AMIL)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50046 | New San Jose Solar (J1653) 138 kV Interconnection | GIP | Project ISD changed from 6/1/2027 to 12/1/2026 |
| 50076 | New Shockey (J1831) 138 kV Interconnection | GIP | Project ISD changed from 6/1/2026 to 12/1/2026 |
| 50078 | New ADM North (J1839) 138 kV Interconnection | GIP | Project ISD changed from 12/1/2027 to 12/1/2029 |
| 50080 | New Bureau (J1755) 138 kV Interconnection | GIP | Project ISD changed from 6/1/2026 to 12/1/2027 |
| 50085 | New San Jose Rail (J1725) 138 kV Interconnection | GIP | Project ISD changed from 12/1/2026 to 6/1/2029 |
| 50114 | New Camp Creek Wind (J1701) 138 kV Substation | GIP | Project ISD changed from 6/1/2027 to 12/1/2027 |
| 51222 | New Edwards 3 BESS (R1055) 138 kV Interconnection | GIP | Project ISD changed from 6/1/2030 to 12/31/2025 |

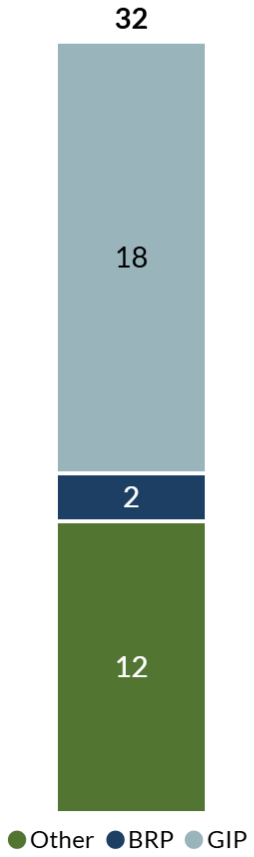
# Ameren Illinois (AMIL) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# AMEREN ILLINOIS

MTEP26 Projects

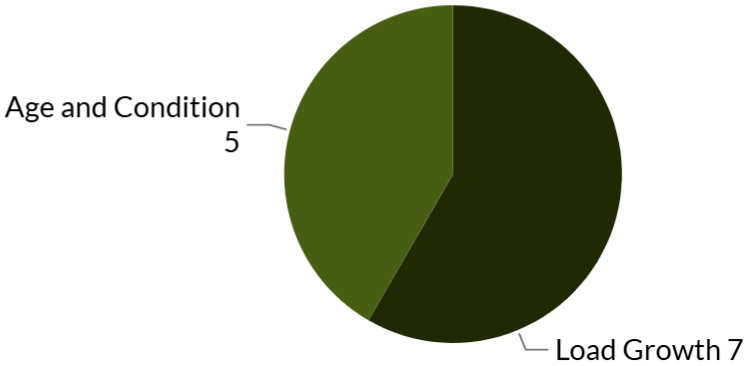



**32**
Total Projects

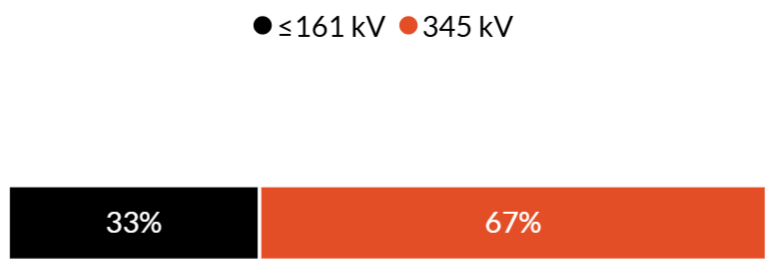
**$410M**
Investment

## Breakdown of Other Project Types

By Project Count

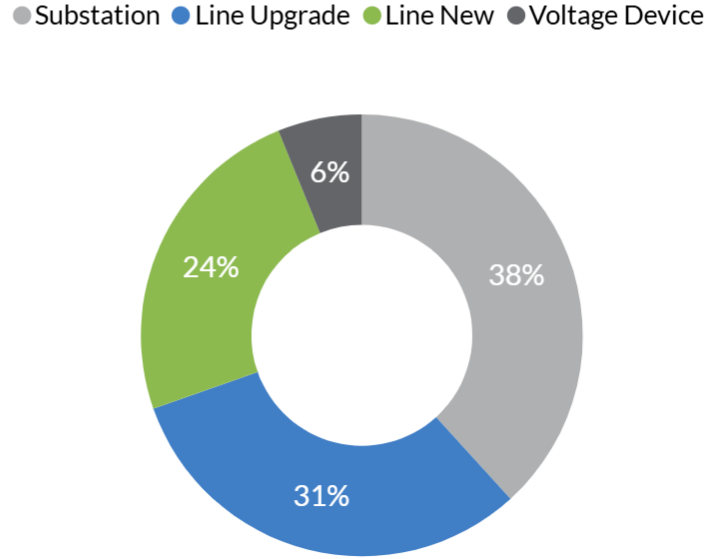



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

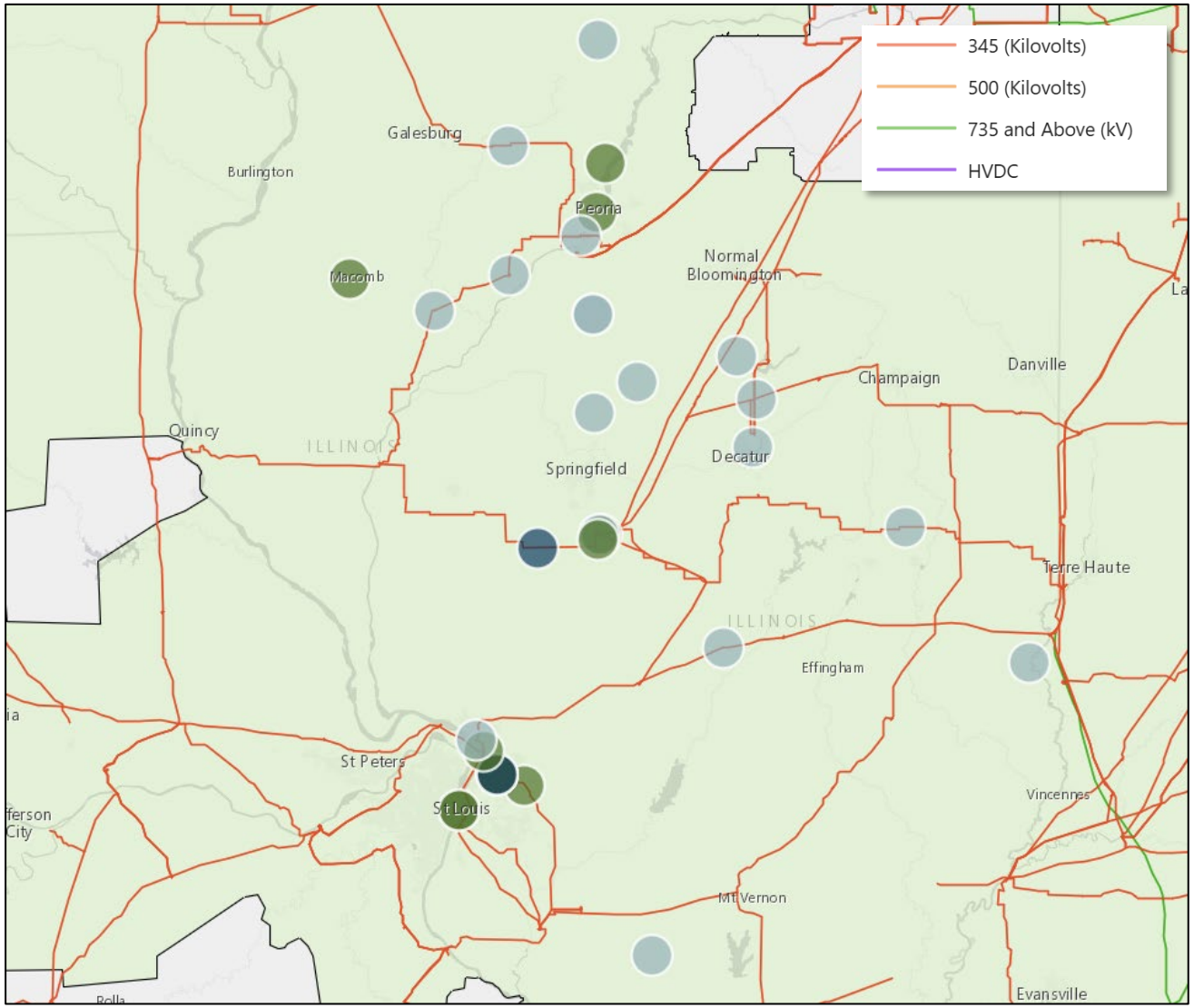


# Ameren Illinois (AMIL) Project Type Breakdown

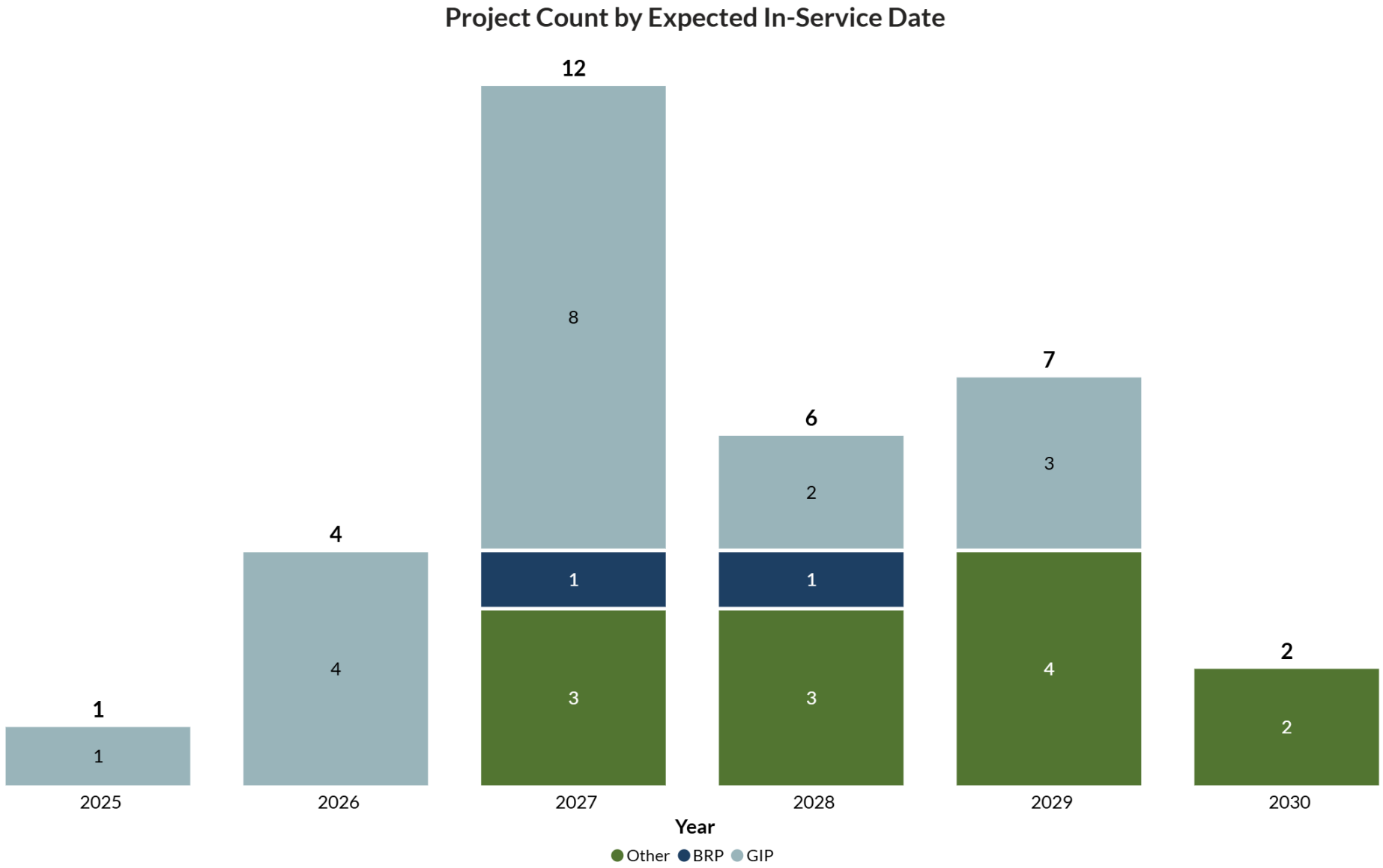
## AMEREN ILLINOIS

**MTEP26 Summary**

| | |
|---|---|
| GIP | 18 |
| BRP | 2 |
| Other | 12 |



# Ameren Illinois (AMIL) MTEP26 ISD Breakdown



# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50633 | Rebuilds on 138 kV from Diamond Core Load Addition (RECC Territory) | 12/01/2027 | $50.2 M |
| 51123 | New 300 MVAR Cap Bank at Truett 345 kV Substation | 12/01/2028 | $12.0 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 Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 22877 | Upgrade Cat 1 138 kV substation | Age and Condition | 12/01/2028 | $8.0 M |
| 22879 | Upgrade Cat Mossville 138 kV substation | Age and Condition | 06/01/2029 | $5.0 M |
| 50882 | Replace Breakers and Relays Program - MTEP26 | Age and Condition | 12/31/2027 | $5.0 M |
| 50883 | Replace Pole and Insulator Program - MTEP26 | Age and Condition | 12/31/2027 | $20.0 M |
| **50885** | **New CADC 138 kV Ring bus** | **Load Growth** | **12/01/2029** | **$24.1 M** |
| **51177** | **New Stallings-Roxford-4581 345 kV Temporary Tap (Truett Phase 0.5)** | **Load Growth** | **12/01/2027** | **$0.2 M** |
| **51178** | **New Load Addition at New Truett 345 kV Substation (Truett Phase 1)** | **Load Growth** | **12/01/2028** | **$34.9 M** |
| **51179** | **New 345 kV Lines for New Truett Load Addition (Truett Phase 2)** | **Load Growth** | **12/01/2030** | **$87.2 M** |
| 51209 | Rebuild Leatherneck 138 kV Ring Bus | Age and Condition | 12/01/2029 | $15.5 M |
| **51320** | **Temporary Tap for Truett 500 MW (Truett Phase 1.5)** | **Load Growth** | **06/01/2029** | **$1.5 M** |
| **51428** | **Project Pawnee Temporary Tap** | **Load Growth** | **06/01/2028** | **$7.5 M** |
| **51429** | **Project Pawnee Final** | **Load Growth** | **12/01/2030** | **$35.8 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) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 25121 | New Coles Wind (J2128) Wayward 345 kV Substation | 12/01/2026 | $11.0 M |
| 50046 | New San Jose Solar (J1653) 138 kV Interconnection | 12/01/2026 | $0.8 M |
| 50053 | New Hercules Solar (J1626) 138 kV Interconnection | 04/01/2027 | $0.8 M |
| 50076 | New Shockey (J1831) 138 kV Interconnection | 12/01/2026 | $0.8 M |
| 50078 | New ADM North (J1839) 138 kV Interconnection | 12/01/2029 | $0.8 M |
| 50080 | New Bureau (J1755) 138 kV Interconnection | 12/01/2027 | $0.8 M |
| 50083 | New Leghorn (J1677) 345 kV Interconnection | 12/01/2026 | $1.1 M |
| 50085 | New San Jose Rail (J1725) 138 kV Interconnection | 06/01/2029 | $0.8 M |
| 50114 | New Camp Creek Wind (J1701) 138 kV Substation | 12/01/2027 | $9.5 M |

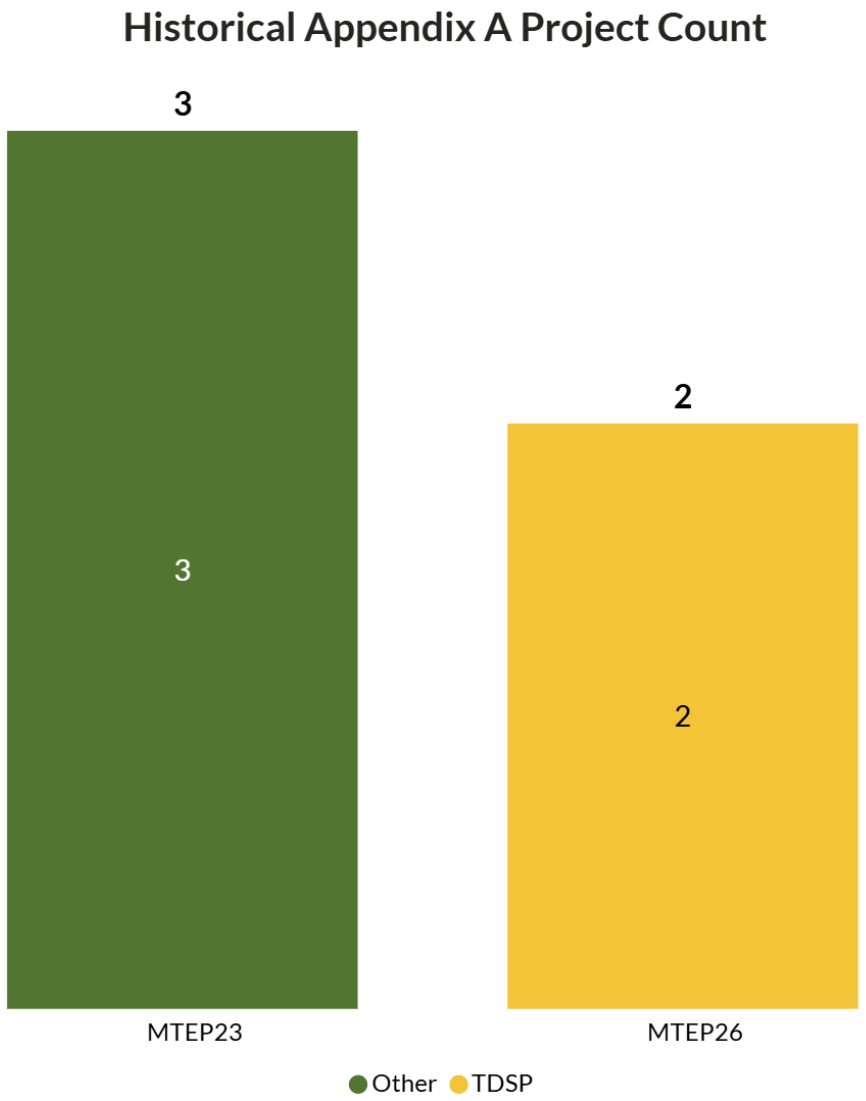
# Generator Interconnection Projects (GIPs) Summary (cont.)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50116 | New Geranium Solar (J1712) 345 kV Interconnection | 12/01/2027 | $13.0 M |
| 50117 | New Cumberland Road South Solar (J1744) 138 kV Interconnection | 06/01/2027 | $9.0 M |
| 50773 | Rebuild Moro-Laclede NTP 478 MVA MPFCA 138 kV Line | 06/01/2029 | $15.0 M |
| 50774 | New Four Creeks Wind (J2275) Wells 345 kV Ring Bus Switching Station | 12/01/2027 | $16.2 M |
| 51110 | New Mulligan Storage (S1048) Fogarty Surplus 138 kV Interconnection | 07/01/2027 | $0.1 M |
| 51117 | Upgrade Kincaid-Austin-4522 C1801 MPFCA 345 kV Line | 06/01/2027 | $20.7 M |
| 51222 | New Edwards 3 BESS (R1055) 138 kV Interconnection | 12/31/2025 | $0.1 M |
| 51275 | Prairie Flats Solar (J2273) New Position at Tabor 138 kV | 06/01/2028 | $0.6 M |
| 51284 | Fulton County Solar (J2186) New Position at Duck Creek 345 kV | 12/01/2028 | $1.8 M |

# GridLiance Heartland (GLH)



# GridLiance Heartland (GLH) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# GRIDLIANCE HEARTLAND LLC

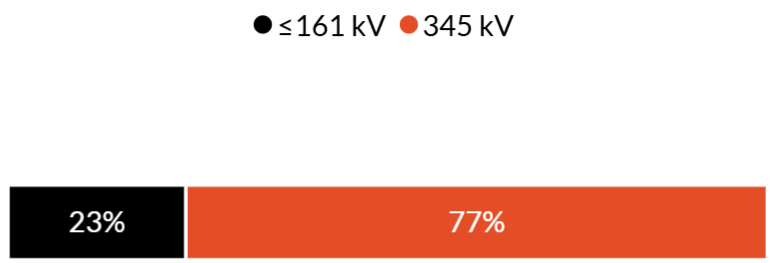
## MTEP26 Projects




**2**
Total Projects

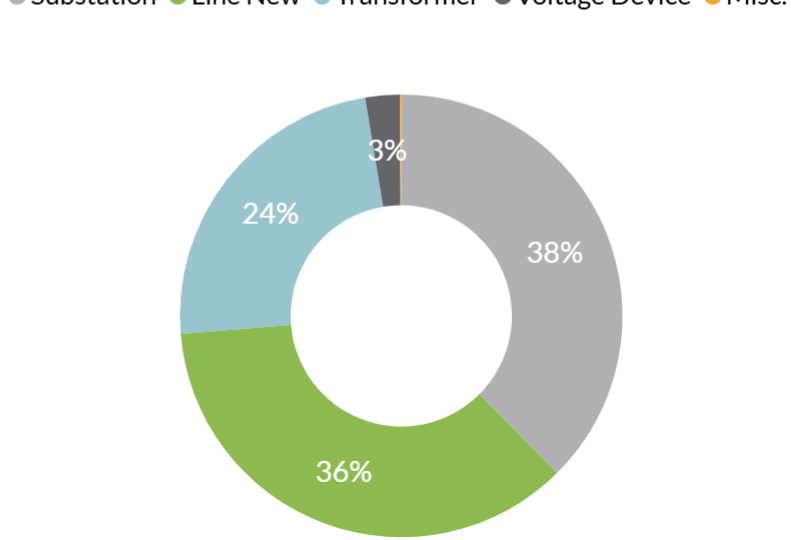
**$436M**
Investment

## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

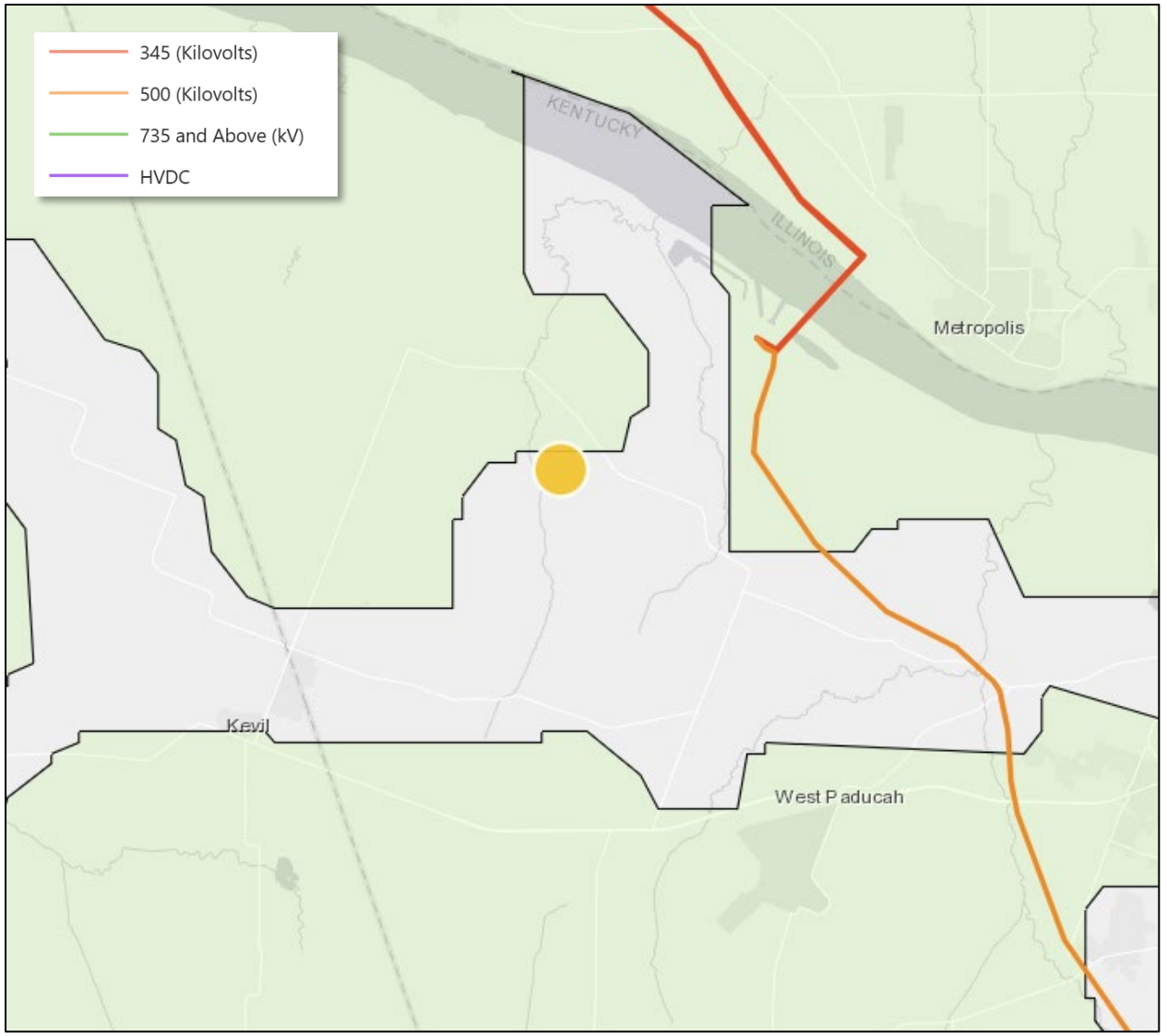


# GridLiance Heartland (GLH) MTEP26 Project Type Breakdown

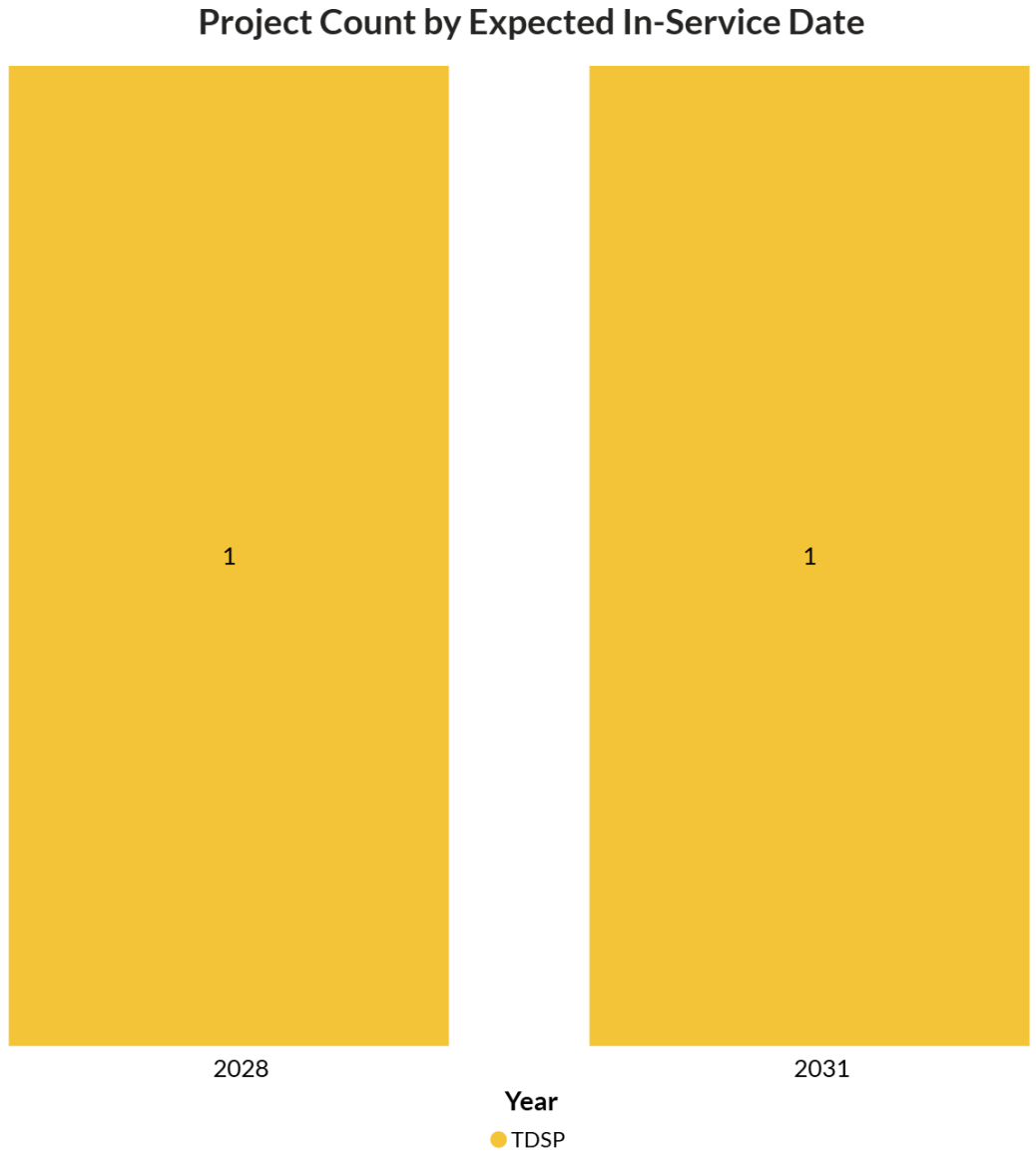
## GRIDLIANCE HEARTLAND LLC

MTEP26 Summary

| TDSP | 2 |
|---|---|



# GridLiance Heartland (GLH) MTEP26 ISD Breakdown



# Transmission Delivery Service Projects (TDSPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51432 | Paducah Load Interconnection - Phase 1 | 06/01/2028 | $58.0 M |
| 51433 | Paducah Load Interconnection - Phase 2 | 06/01/2031 | $378.0 M |

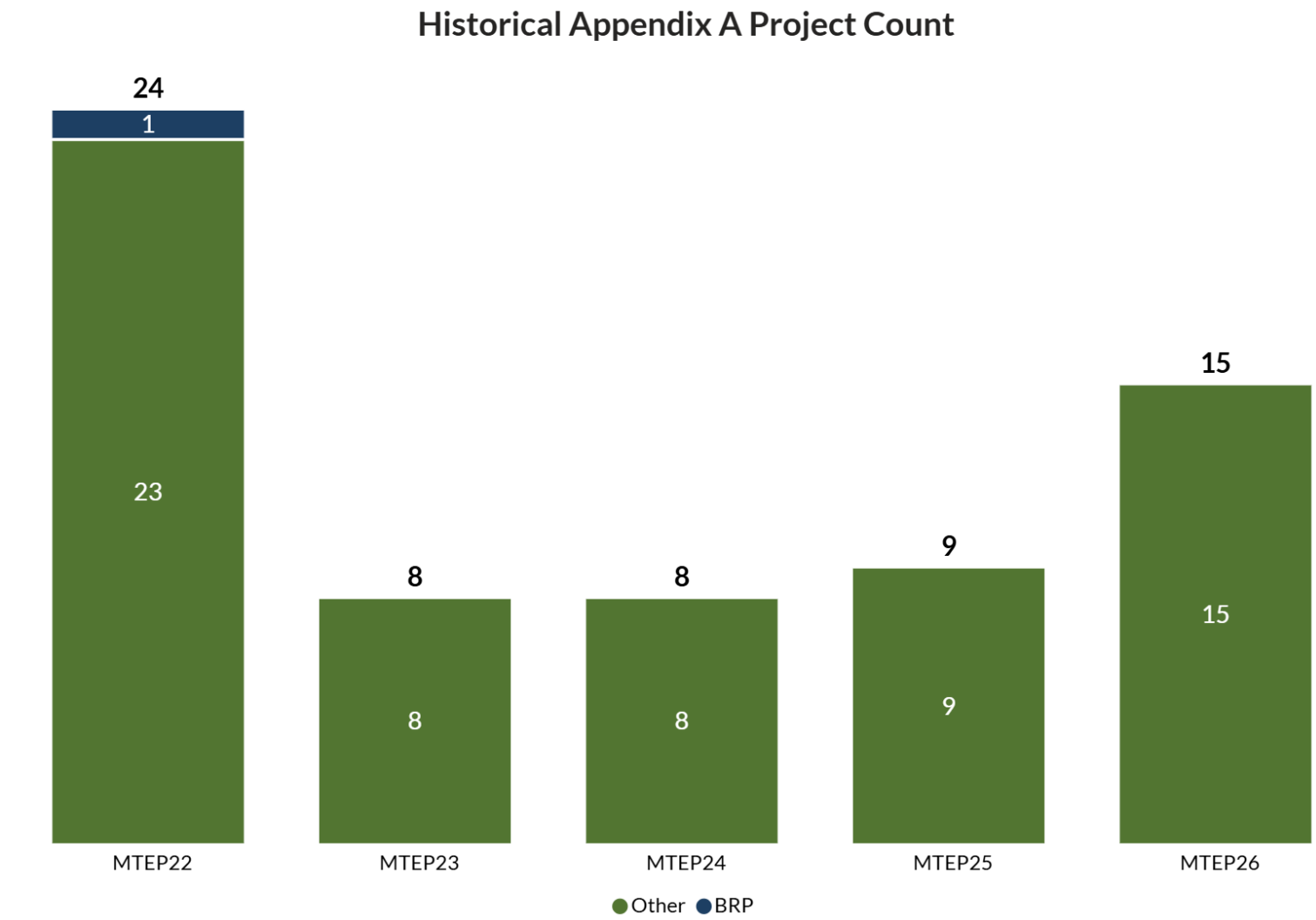
**Bold** MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
**Bold and Underlined** MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Prairie Power, Inc. (PPI)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50800 | Rebuild Allen Tap-Allen 69 kV Line | Other – Local Reliability | Project ISD changed from 12/2/2027 to 12/1/2029 |
| 50806 | Rebuild Pearl Tap-Smith Jct. W. 69 kV Line | Other – Age and Condition | Project cost increased from $5.7M to $7.1M |

# Prairie Power, Inc. (PPI) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# PRAIRIE POWER, INC. PPI

MTEP26 Projects

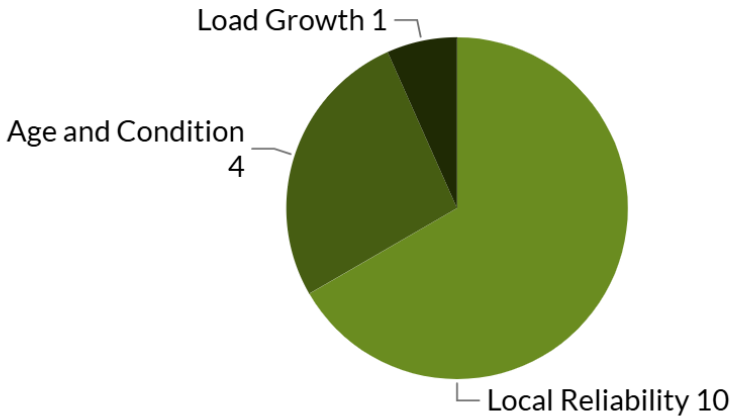



**15**
Total Projects

**$107M**
Investment

## Breakdown of Other Project Types

By Project Count

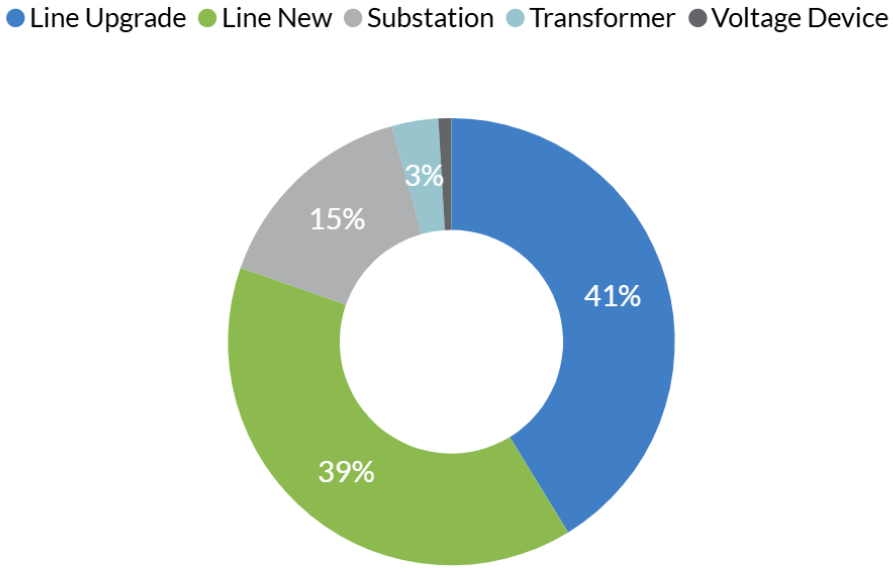



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

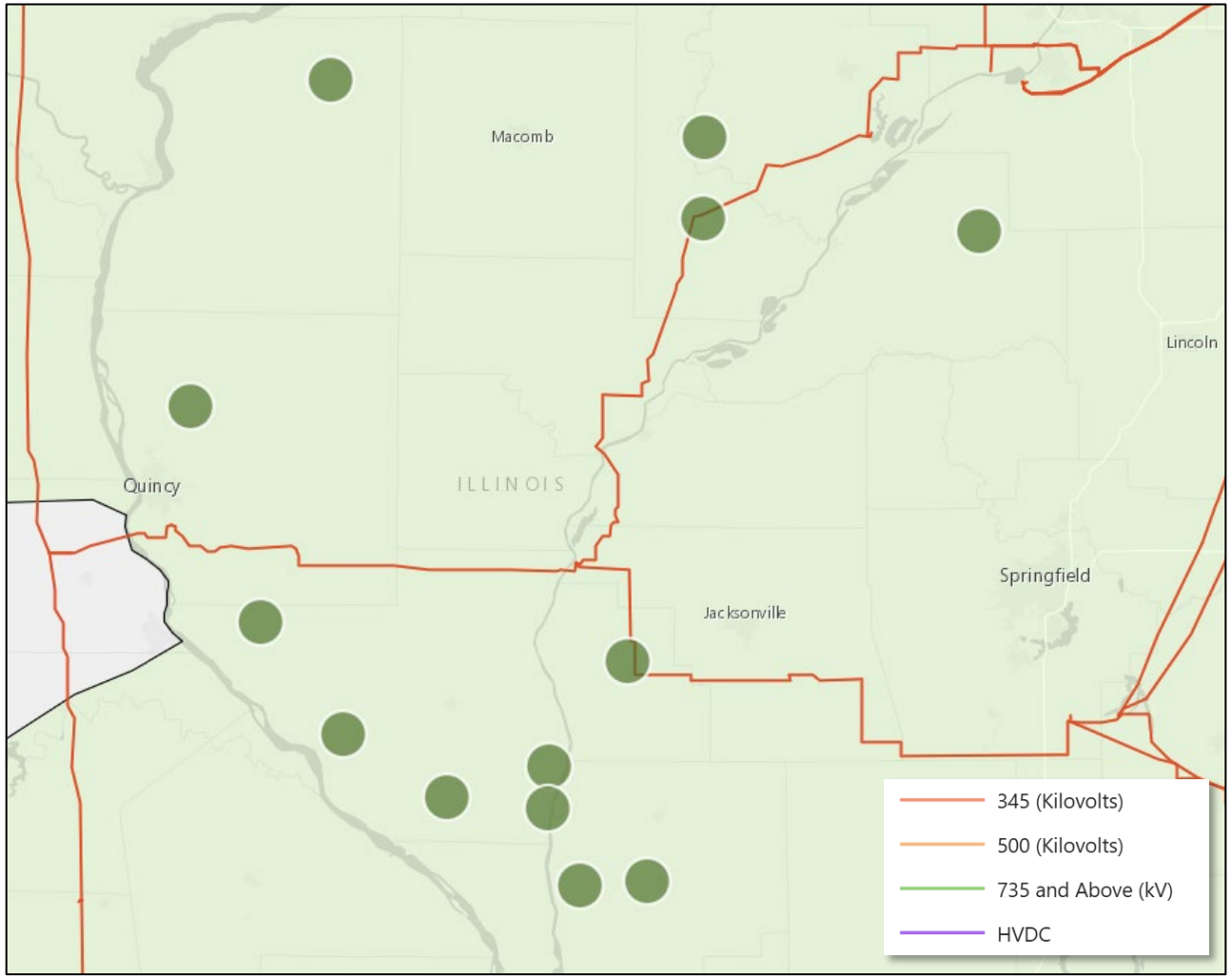


# Prairie Power, Inc. (PPI) MTEP26 Project Type Breakdown

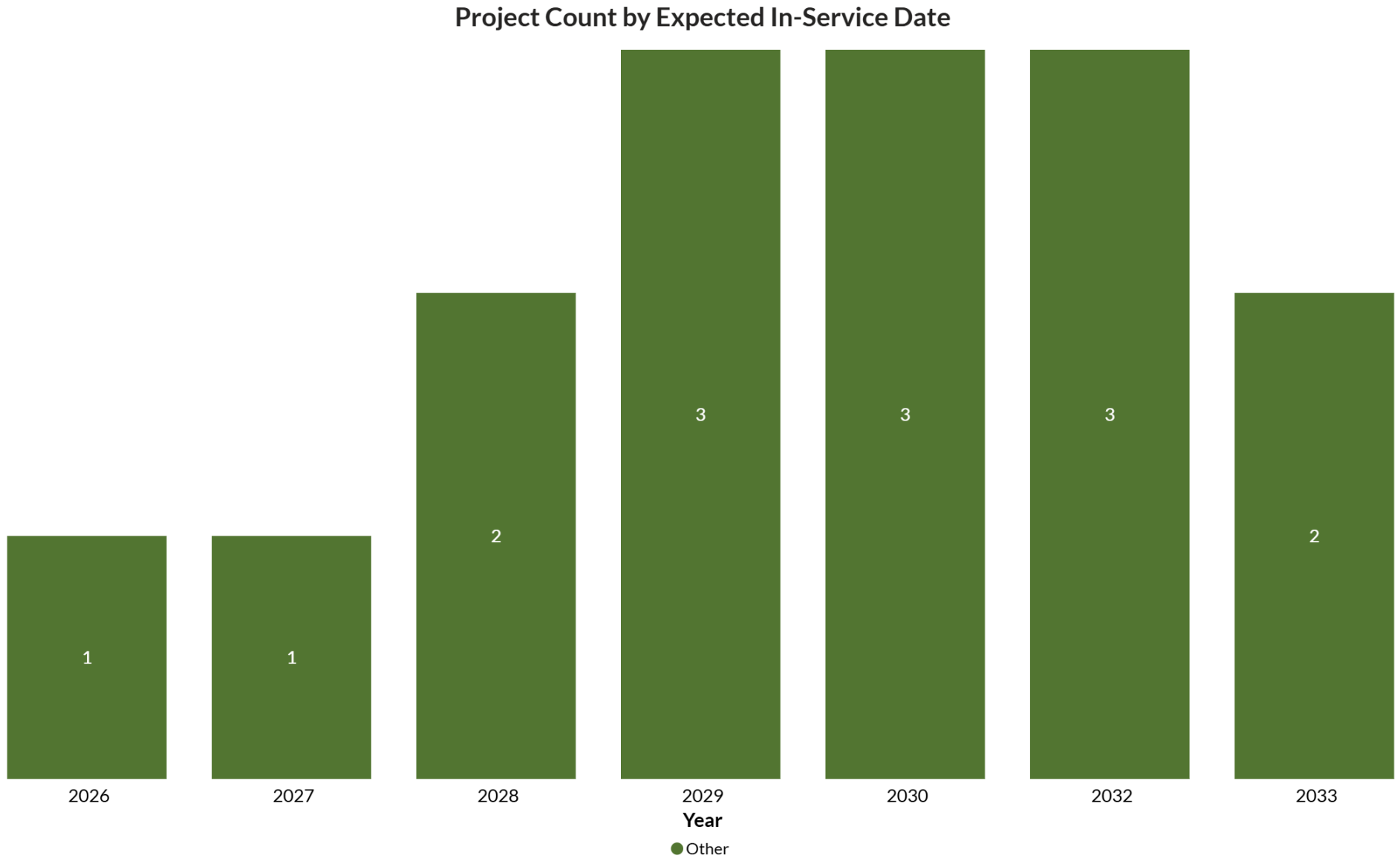
## PRAIRIE POWER, INC. PPI

MTEP26 Summary

| | |
|---|---|
| GIP | [redacted] |
| BRP | [redacted] |
| Other | 15 |



# Prairie Power, Inc. (PPI) MTEP26 ISD Breakdown



# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50798** | **Upgrade Disco 138/69 kV Transformer** | **Local Reliability** | **12/01/2026** | **$0.6 M** |
| 50799 | New Rock Creek 69 kV Capacitor Bank | Local Reliability | 12/01/2027 | $0.5 M |
| 50800 | Rebuild Allen Tap-Allen 69 kV Line | Local Reliability | 12/01/2029 | $3.9 M |
| 50802 | New Quaker 69 kV Breaker Station | Local Reliability | 12/01/2028 | $3.0 M |
| 50803 | Rebuild Kampsville-Carrollton 69 kV Line | Local Reliability | 12/01/2028 | $4.5 M |
| 50804 | New Smithfield 69 kV Breaker Station | Local Reliability | 12/01/2030 | $3.8 M |
| **50805** | **New Hopewell 138/69 kV Substation and Lines** | **Load Growth** | **12/01/2029** | **$10.8 M** |
| 50806 | Rebuild Pearl Tap-Smith Jct. W. 69 kV Line | Age and Condition | 12/01/2032 | $7.1 M |
| 50807 | Rebuild Pearl Tap-Pearl 69 kV Line | Age and Condition | 12/01/2032 | $1.3 M |
| 50808 | Rebuild Barry-E. Hannibal 69 kV Line | Age and Condition | 12/01/2032 | $9.8 M |
| **50809** | **Rebuild Winchester-Wolf Run 69 kV Line** | **Local Reliability** | **12/01/2030** | **$10.0 M** |
| 50810 | New Atlas-Pearl 69 kV Line | Local Reliability | 12/01/2033 | $19.3 M |
| 50811 | Rebuild El Dara BKR-Atlas 69 kV Line | Age and Condition | 12/01/2033 | $4.8 M |
| **51405** | **New [PPI] Riverside - [AMIL] Jerseyville 138 kV line** | **Local Reliability** | **12/01/2030** | **$25.0 M** |
| **51406** | **New [PPI] Alsey - [AMIL] Ballard 138 kV second circuit line** | **Local Reliability** | **12/31/2029** | **$2.8 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.

# Questions?



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Engineer – Expansion Planning

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Manager – Expansion Planning

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MISO

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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# MTEP26 Project Information
# Indiana & Kentucky

Central Subregional Planning Meeting (CSPM)

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



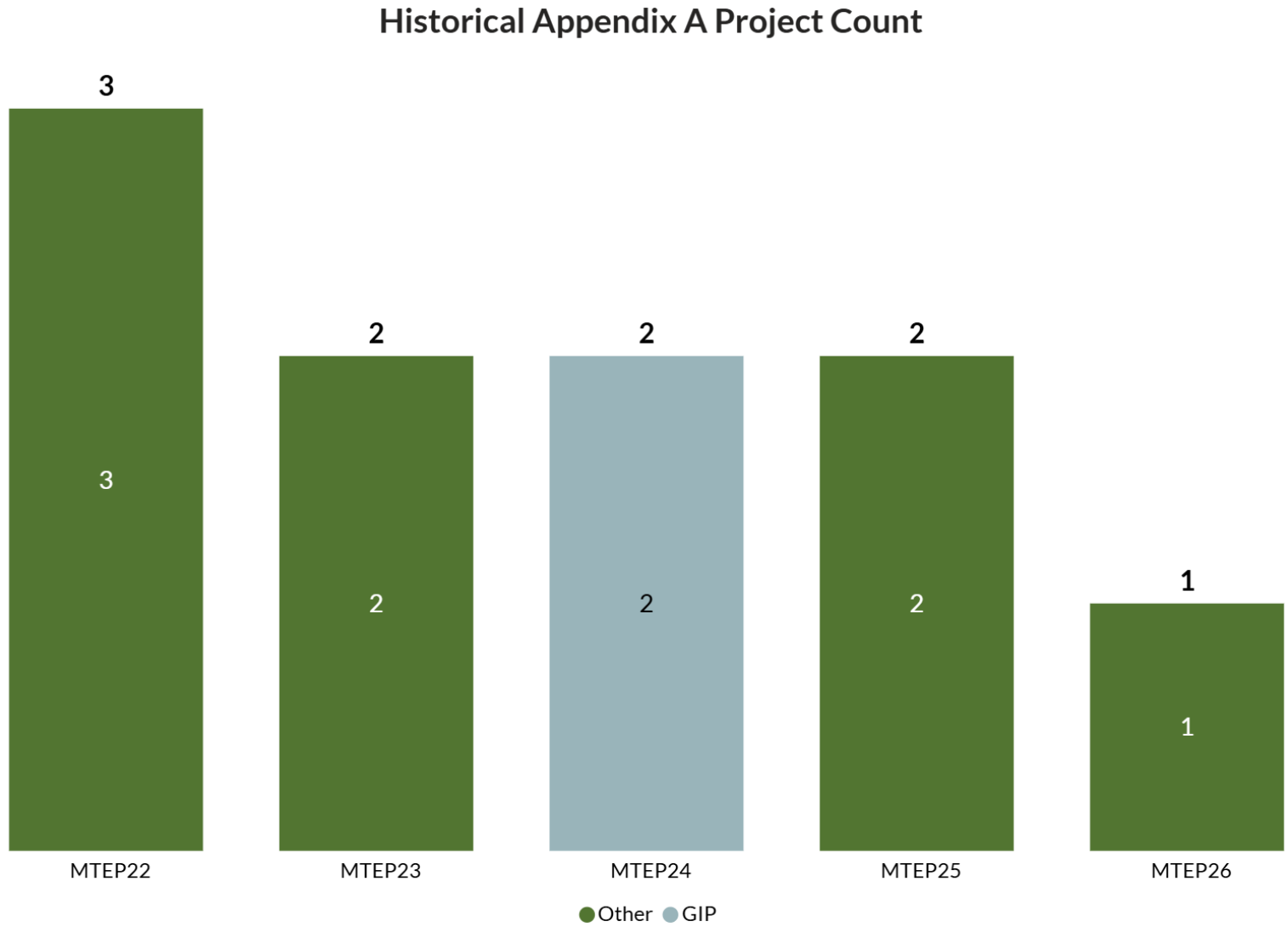
# The details of the Indiana and Kentucky projects and their costs are shown below:

- Big Rivers Electric Corporation (BREC): 1 submitted project at an estimated cost of $4 million
- Duke Energy Indiana (DEI): 15 submitted projects at an estimated cost of $375 million
- Hoosier Energy (HE): 18 submitted projects at an estimated cost of $625 million
- Indianapolis Power & Light Company (IPL): 11 submitted projects at an estimated cost of $267 million
- Northern Indiana Public Service Company (NIPSCO): 6 submitted projects at an estimated cost of $147 million
- Southern Indiana Gas & Electric Company (SIGE): 13 submitted projects at an estimated cost of $90 million
- Wabash Valley Power Association (WVPA): 13 submitted projects at an estimated cost of $173 million
- AEP, HPML, PION, and RTX did not submit projects for consideration in MTEP26

# Big Rivers Electric Corporation (BREC)



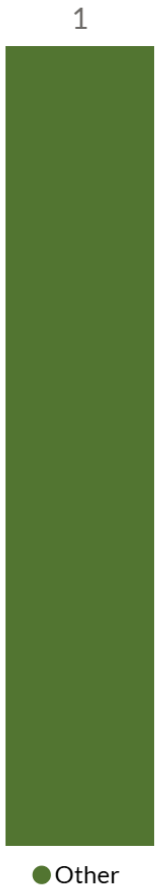
# Big Rivers Electric Corporation (BREC) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# BIG RIVERS ELECTRIC CORPORATION BREC

MTEP26 Projects

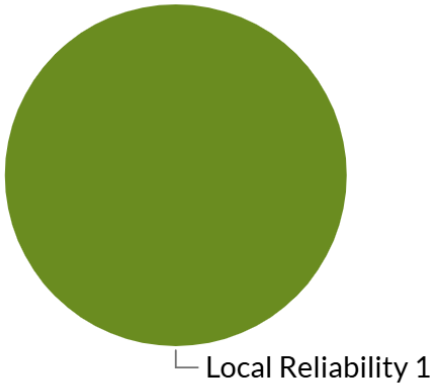



**1**
Total Projects

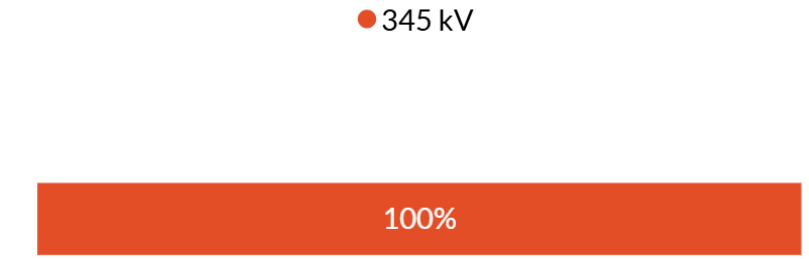
**$4M**
Investment

## Breakdown of Other Project Types

By Project Count

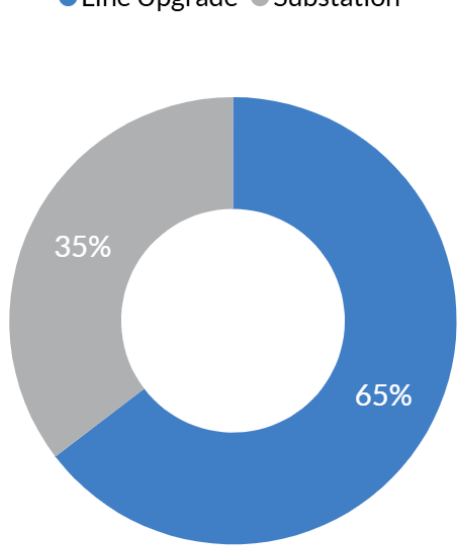



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

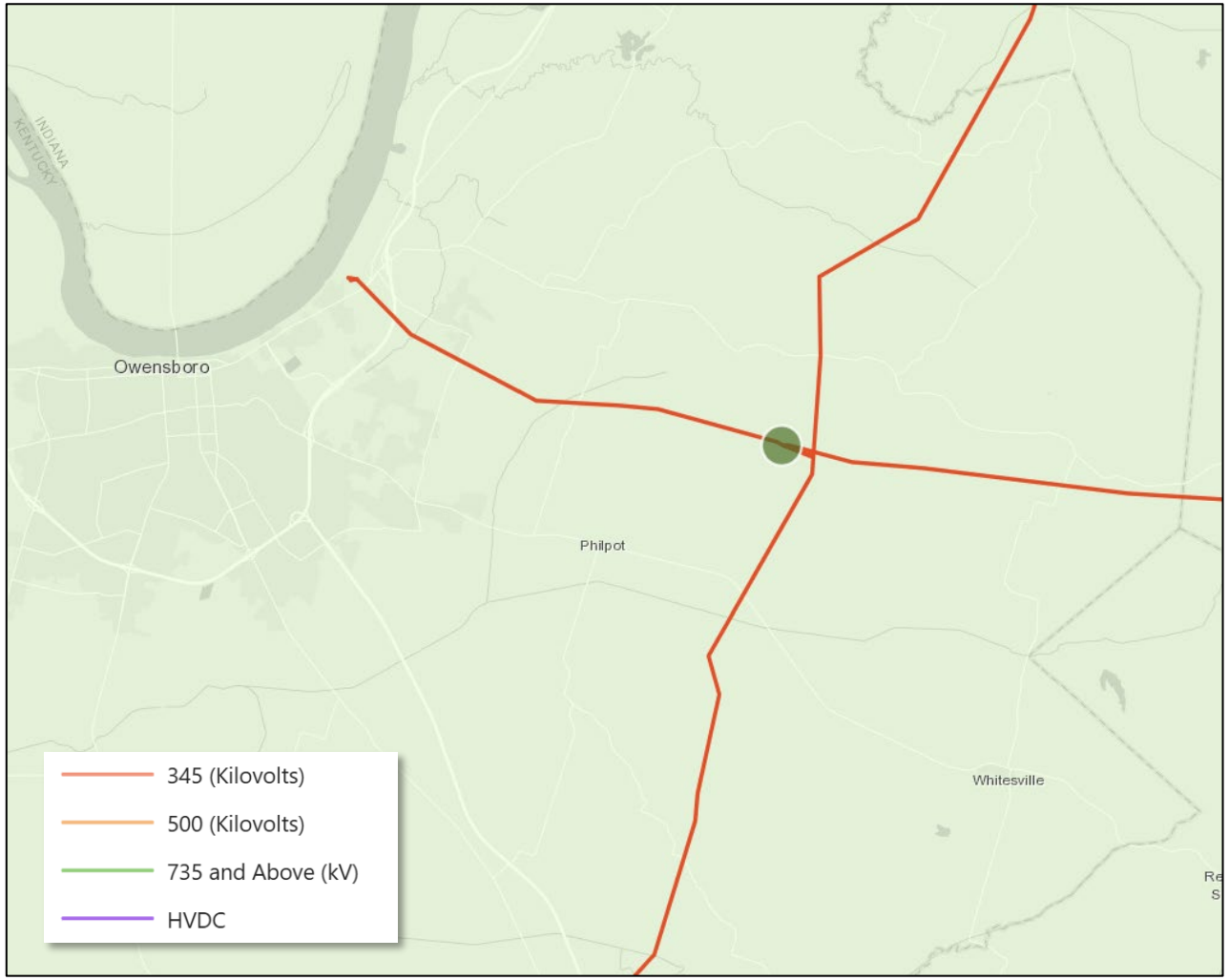


# Big Rivers Electric Corporation (BREC) Project Type Breakdown

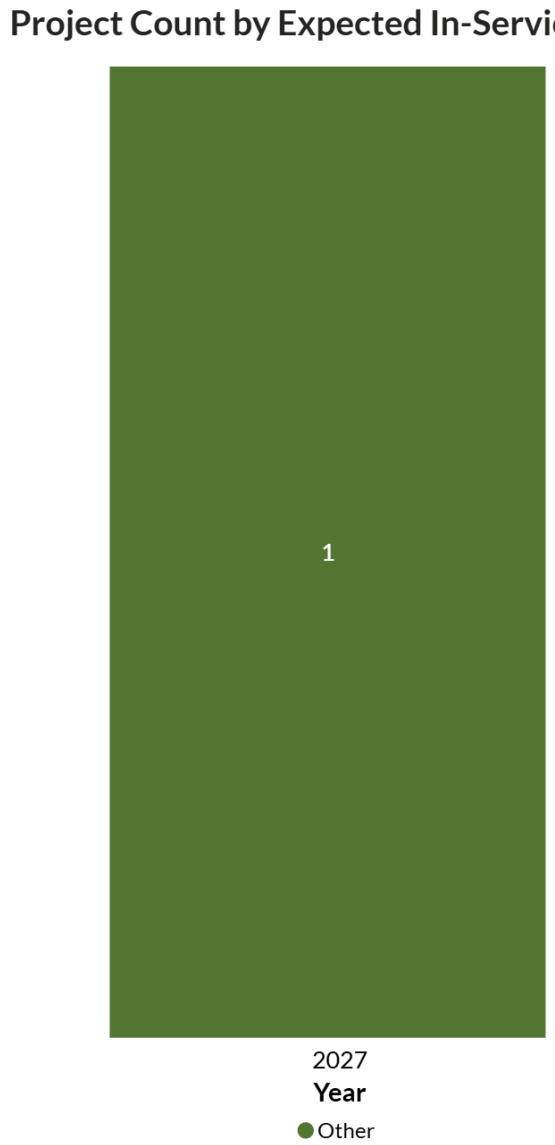
## BIG RIVERS ELECTRIC CORPORATION BREC

MTEP26 Summary

| | |
|---|---|
| GIP | [redacted] |
| BRP | [redacted] |
| Other | 1 |



# Big Rivers Electric Corporation (BREC) MTEP26 ISD Breakdown



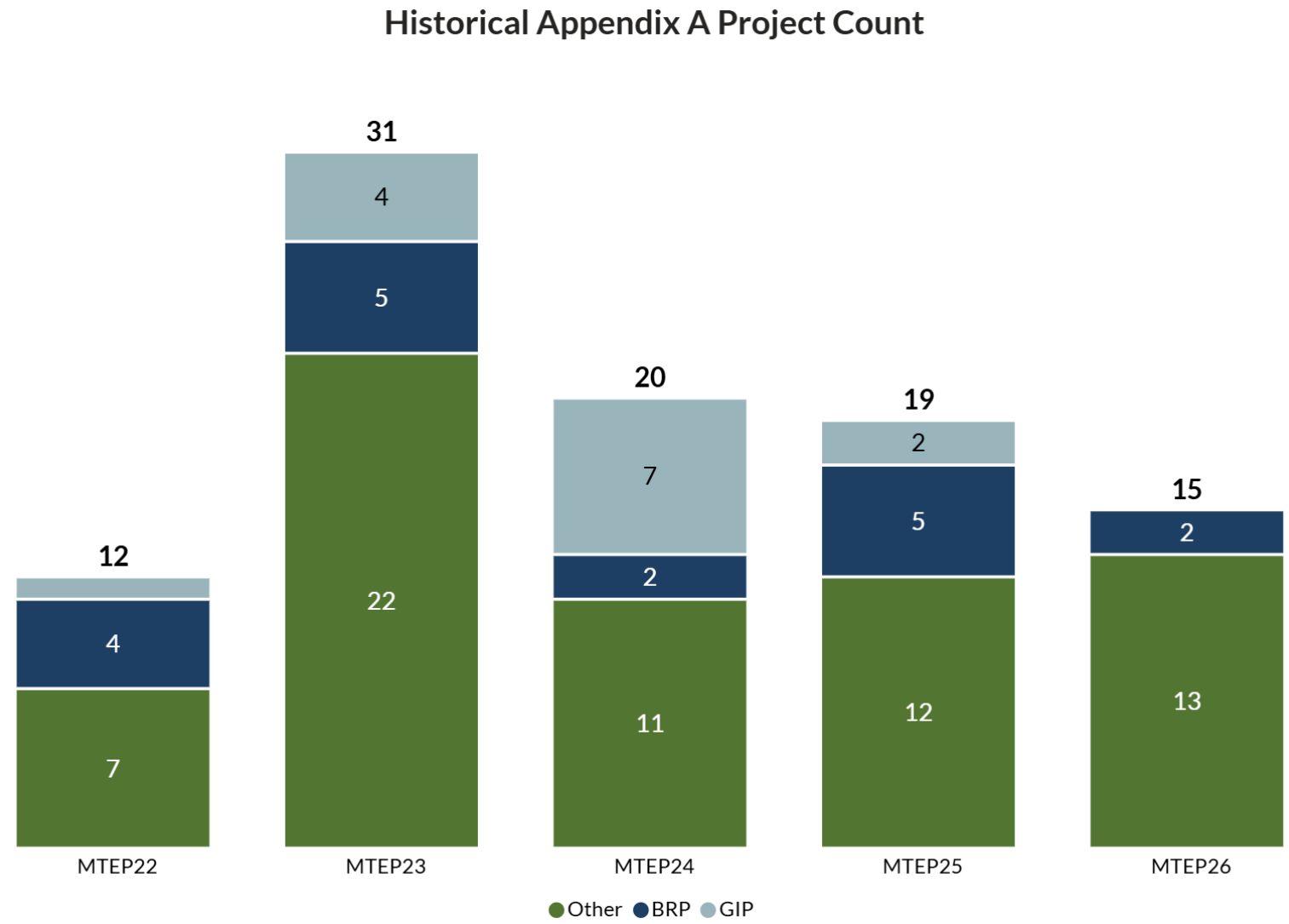
# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51062 | BREC Ownership of DEHV Station 345 kV | Local Reliability | 03/01/2027 | $3.7 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.

# Duke Energy Indiana (DEI)

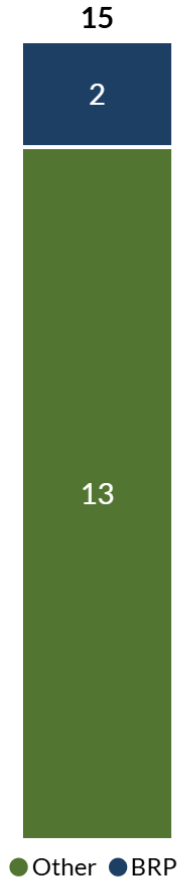
# Duke Energy Indiana (DEI) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# DUKE ENERGY INDIANA, LLC CIN

## MTEP26 Projects

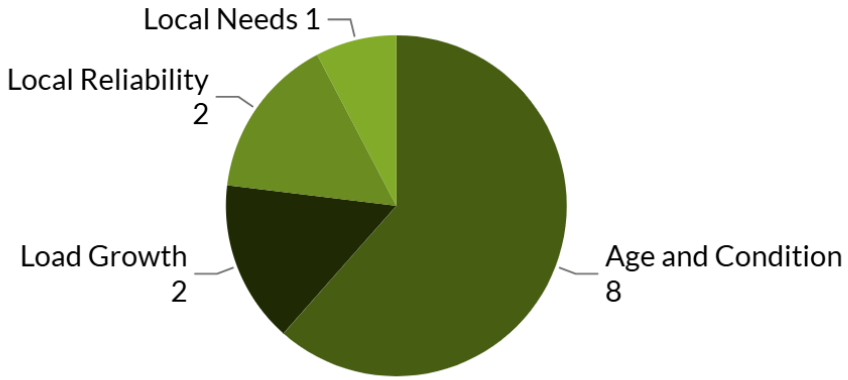



**15**
Total Projects

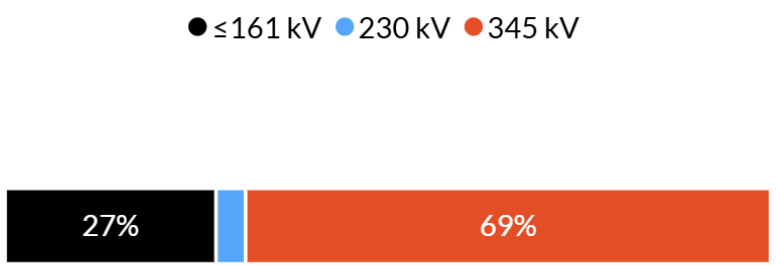
**$375M**
Investment

### Breakdown of Other Project Types

By Project Count

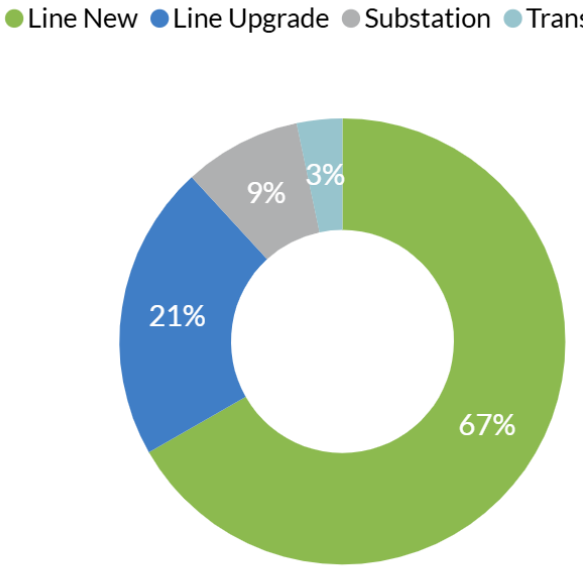



### Line Miles by Voltage Level




### Project Facility Types

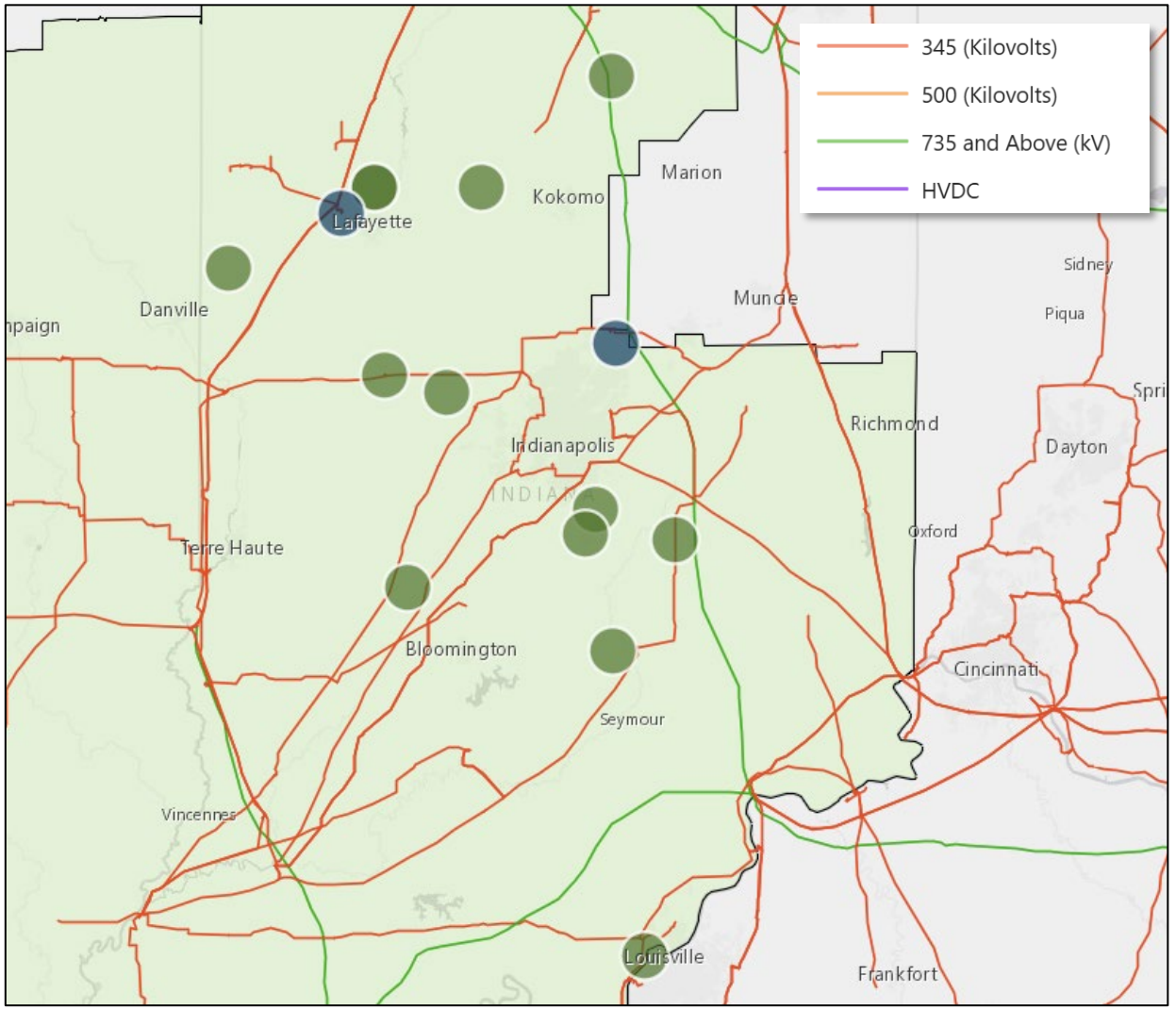
As a Percentage of Cost



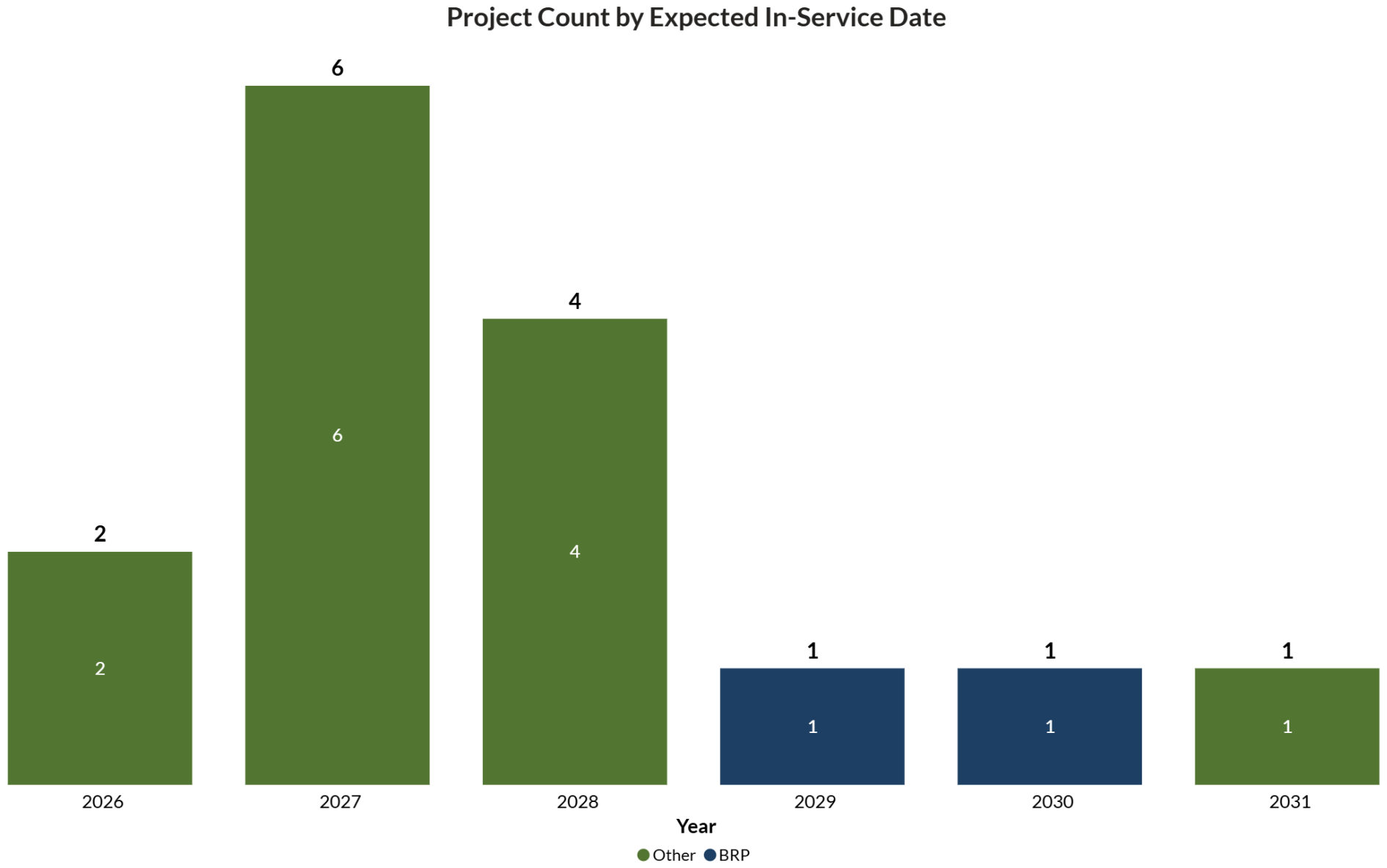
# Duke Energy Indiana (DEI) MTEP26 Project Type Breakdown

## DUKE ENERGY INDIANA, LLC
## CIN
MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 2 |
| Other | 13 |



# Duke Energy Indiana (DEI) MTEP26 ISD Breakdown



# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **51103** | **New Westwood to LEAP 345 kV Lines** | **06/01/2029** | **$250.3 M** |
| **51351** | **Rebuild Noblesville to Durbin 230kV line** | **06/01/2030** | **$13.4 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 Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50748 | Replace Nucor Steel 345 kV CBs and Relays | Age and Condition | 12/04/2028 | $8.2 M |
| 50749 | New Prescott 345/69 kV Bank 2 addition | Local Needs | 11/01/2027 | $10.6 M |
| 50847 | New Jamestown East 69/12kV substation | Load Growth | 08/06/2031 | $0.7 M |
| 50850 | Rebuild HE Willard Green Jct to HE Rocklane Jct 69 kV line | Local Reliability | 12/31/2026 | $7.5 M |
| 50901 | Replace Franklin 230 kV sub 69 kV Breaker and Relay | Age and Condition | 12/09/2027 | $4.2 M |
| 50902 | Upgrade Columbus Denois Crk 230 kV Ring Bus | Local Reliability | 01/04/2028 | $12.7 M |
| 50903 | Relace Spencer 230 kV substation Relay | Age and Condition | 06/16/2028 | $6.2 M |
| 50904 | Rebuild Deedsville 69 kV to Wabash West Jct 69 kV line - 6925 ckt. | Age and Condition | 12/16/2027 | $20.5 M |
| 50905 | Rebuild Wabash 138 kV to Lagro Jct 69 kV line - 6921 ckt. | Age and Condition | 10/28/2027 | $12.0 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 Summary (cont.)

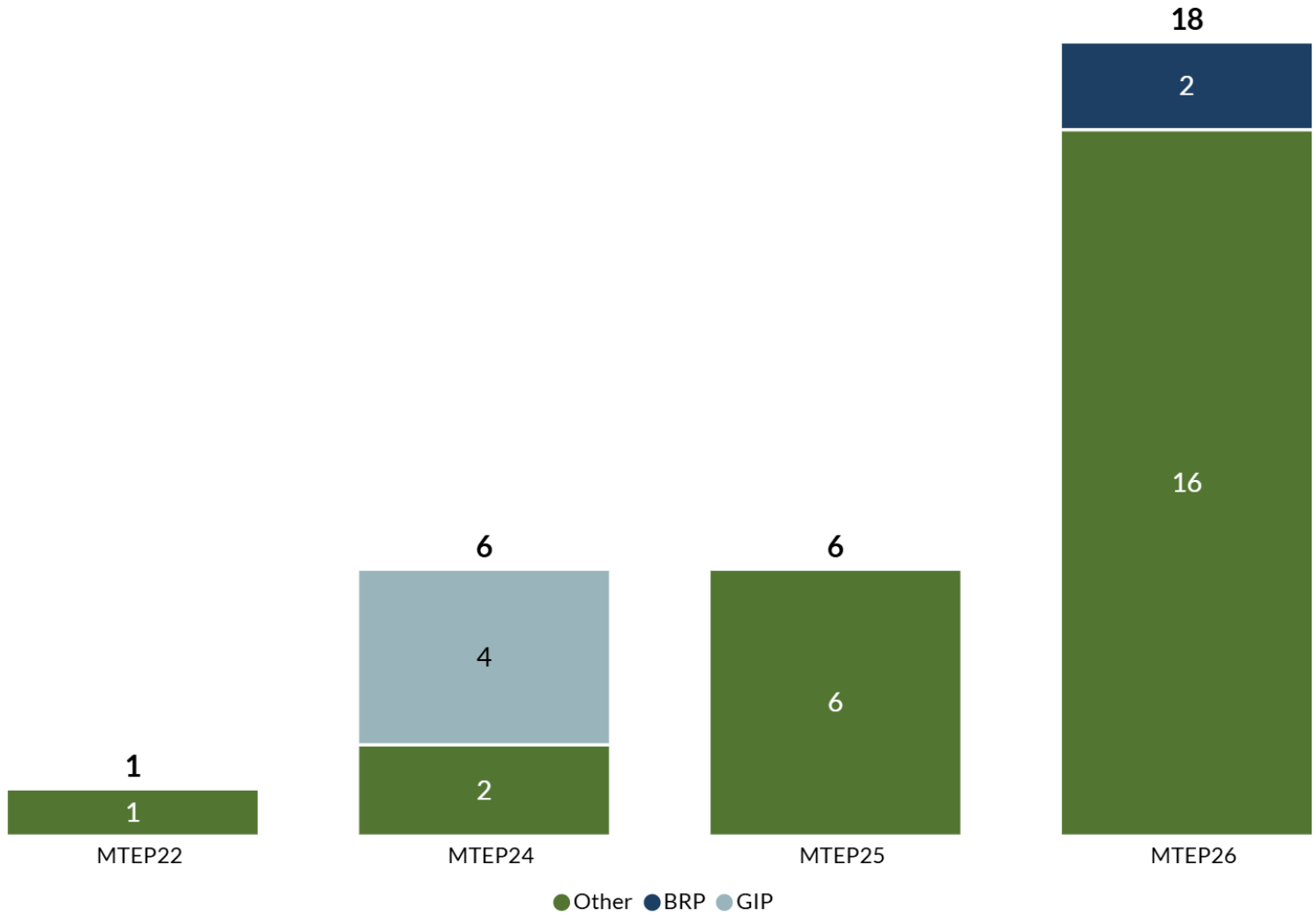
| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50906 | Rebuild Bringhurst to Deer Creek Jct 69 kV line - 6988 ckt. | Age and Condition | 12/05/2028 | $9.7 M |
| 50907 | Rebuild Battle Ground to TETC Jct 69 kV line - 61888 ckt. | Age and Condition | 07/06/2027 | $9.9 M |
| 50908 | Rebuild Tab Jct to Marshfield 69 kV line - 6936 ckt. | Age and Condition | 12/03/2027 | $7.5 M |
| **51207** | **New Gallagher 230 kV Load Addition** | **Load Growth** | **07/01/2026** | **$1.8 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.

# Hoosier Energy (HE)



# Hoosier Energy (HE) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# HOOSIER ENERGY

MTEP26 Projects

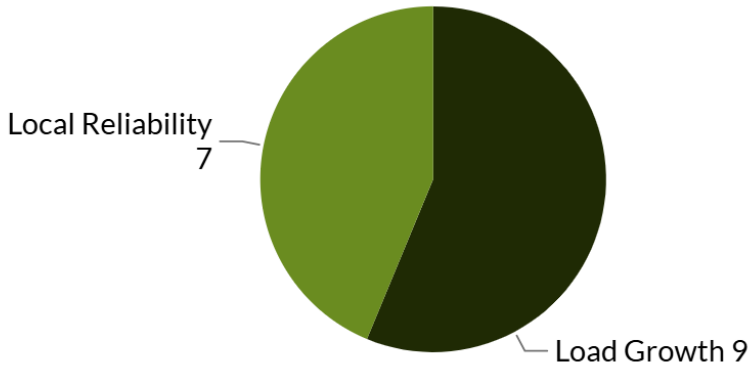



**18**
Total Projects

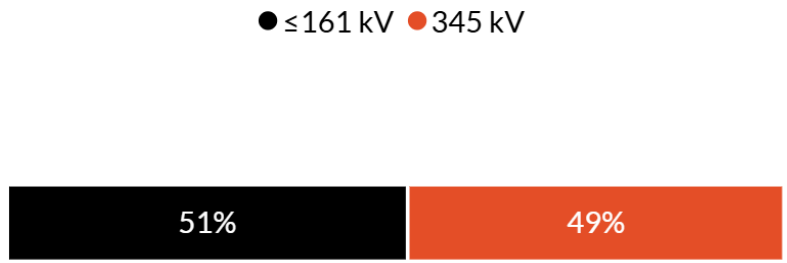
**$625M**
Investment

## Breakdown of Other Project Types

By Project Count

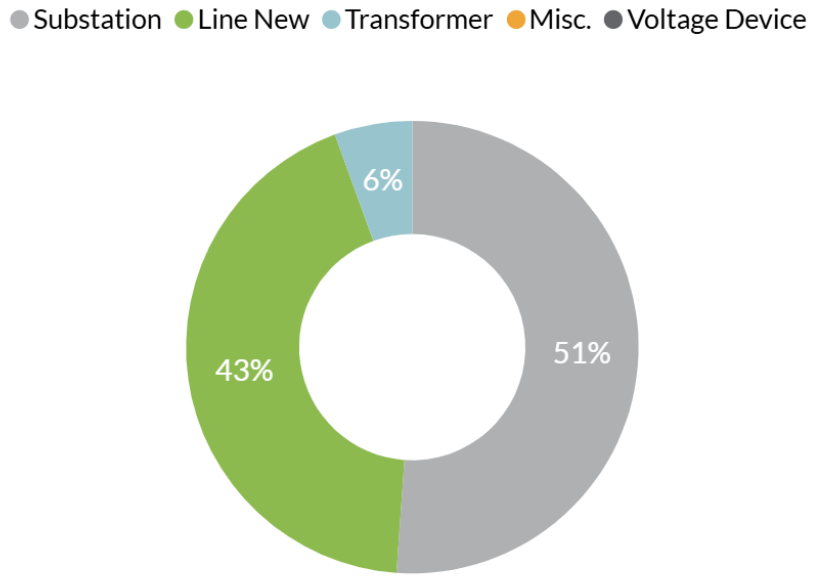



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

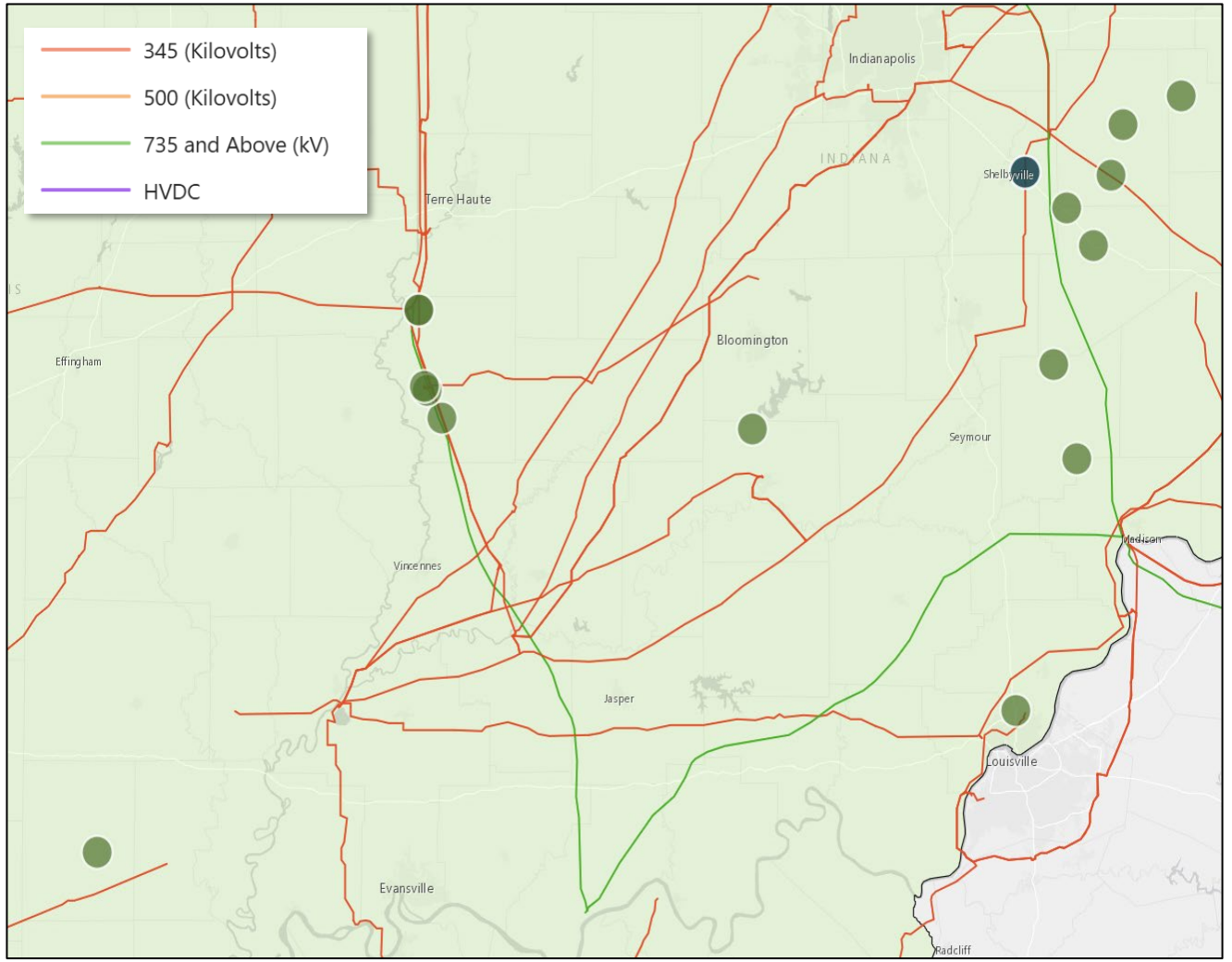


# Hoosier Energy (HE) MTEP26 Project Type Breakdown

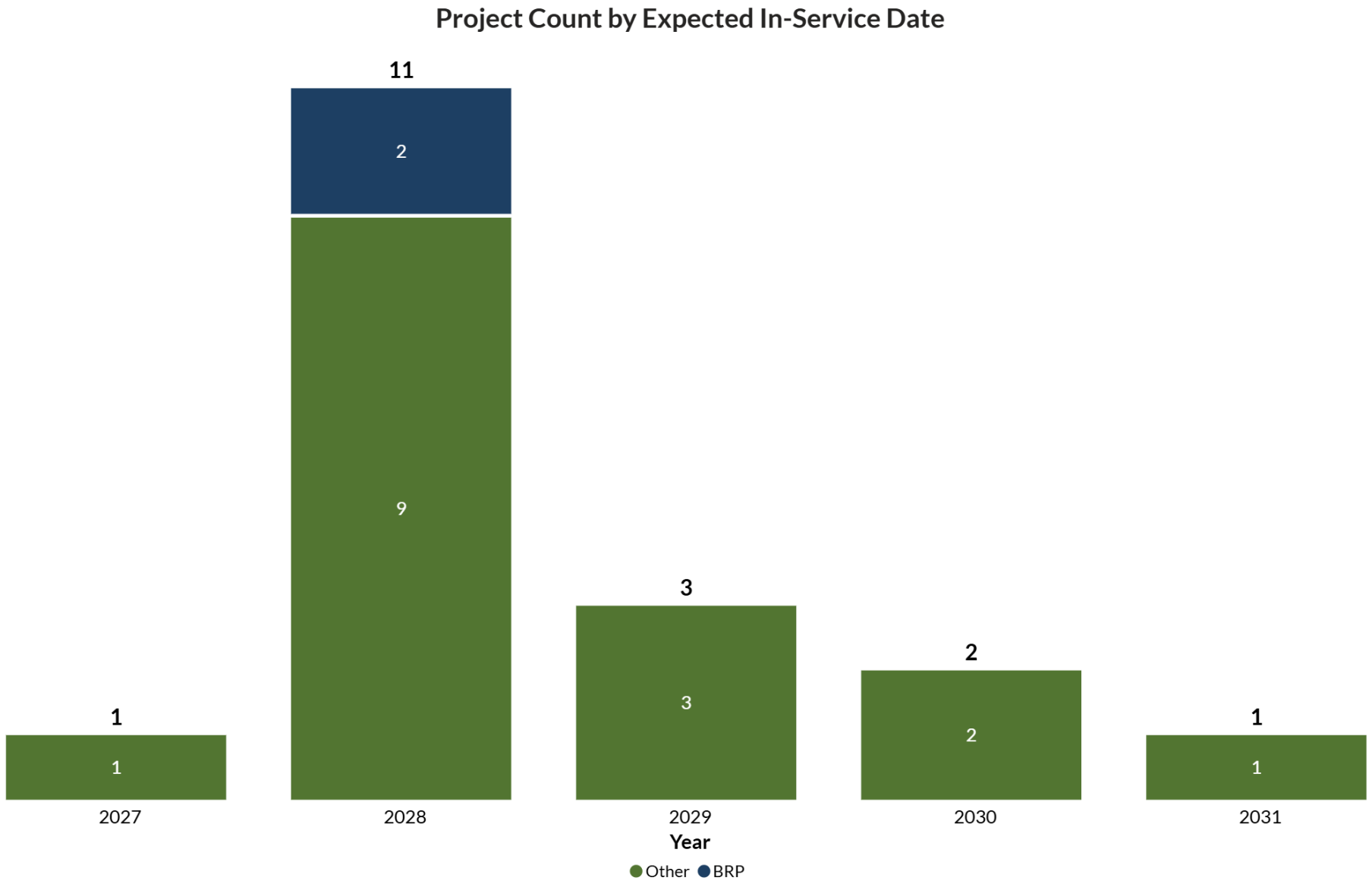
## HOOSIER ENERGY

MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 2 |
| Other | 16 |



# Hoosier Energy (HE) MTEP26 ISD Breakdown



# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **51152** | **New Merom to Gill 345 kV Line addition** | **01/01/2028** | **$2.0 M** |
| **51335** | **New Addison 345 kV Capacitor (100 Mvar)** | **06/01/2028** | **$0.0 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 Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50833 | Uprate Merom to Worthington 345 kV Terminal | Load Growth | 12/01/2031 | $1.0 M |
| 51047 | New Walnut Ridge 138/12 kV Substation | Local Reliability | 03/01/2028 | $3.9 M |
| 51048 | New Falmouth 138/12 kV Substation | Local Reliability | 03/01/2028 | $3.9 M |
| 51049 | Upgrade Guthrie 34.5/12 kV Substation | Local Reliability | 03/01/2029 | $2.3 M |
| **51051** | **New Greensburg 138 kV Load Addition** | **Load Growth** | **07/01/2028** | **$11.1 M** |
| 51056 | Remove SIPC Transmission Line - Wheeler Creek 138 kV | Local Reliability | 12/01/2029 | $0.1 M |
| **51088** | **New Morgan County 345/69 kV Transmission Station and 69 kV Line** | **Local Reliability** | **12/01/2030** | **$44.3 M** |
| **51089** | **New Jennings County 161/69 kV Transmission Station and 69 kV Line** | **Local Reliability** | **12/01/2028** | **$56.9 M** |
| **51090** | **New St.Joseph to Northside 138 kV Line and 138/12 kV Station** | **Load Growth** | **03/01/2028** | **$27.2 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.

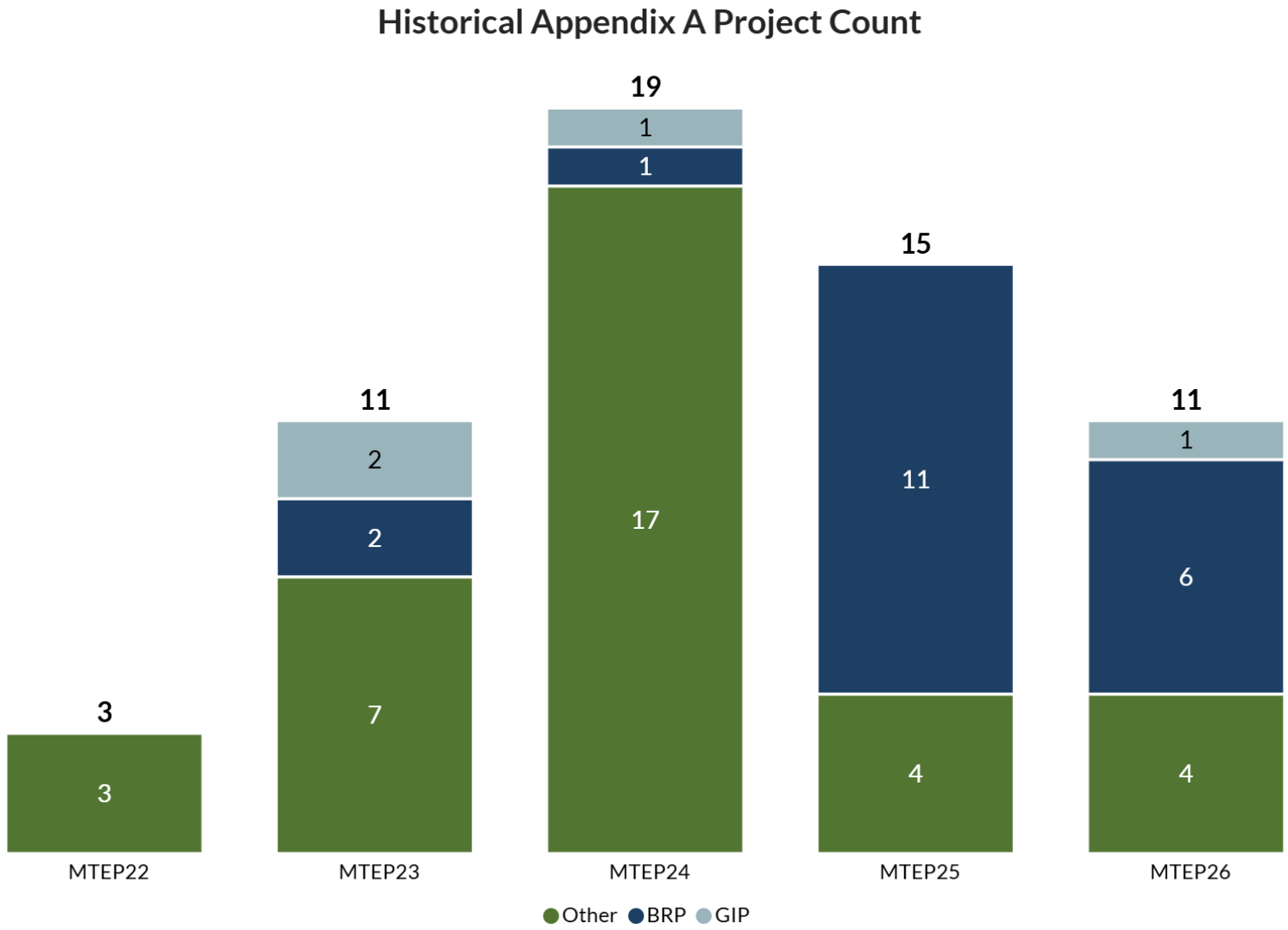
# Other Projects Summary (cont.)

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51093 | New Gill 345 kV Station and 345 kV Lines | Load Growth | 01/01/2028 | $75.3 M |
| 51145 | New Crossroads 345 kV Transmission Station and Load | Load Growth | 10/01/2027 | $86.0 M |
| 51307 | New Hackman Phase 1 Load addition | Load Growth | 06/01/2028 | $35.0 M |
| 51308 | New Hackman Phase 2 Load addition | Load Growth | 06/01/2030 | $152.1 M |
| 51309 | New Tallgrass 138/12 kV substation | Local Reliability | 10/01/2028 | $6.0 M |
| 51425 | New [HE] Prairie Creek 345 kV Transmission Station and Load Phase 1 | Load Growth | 10/01/2028 | $54.3 M |
| 51438 | New [HE] Prairie Creek 345 kV Transmission Station and Load Phase 2 | Load Growth | 10/01/2029 | $63.4 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.

# Indianapolis Power & Light Company (IPL)

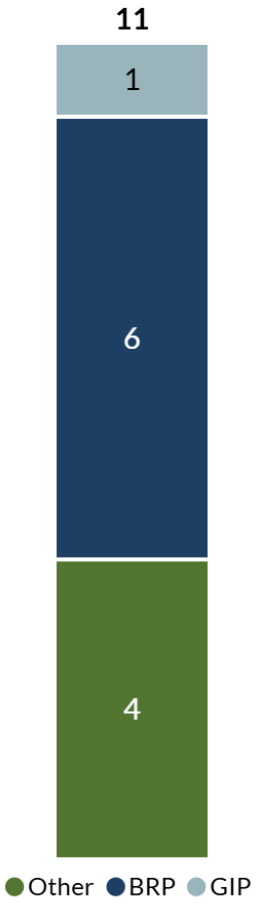
# Indianapolis Power & Light Company (IPL) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# INDIANAPOLIS POWER & LIGHT COMPANY

## MTEP26 Projects

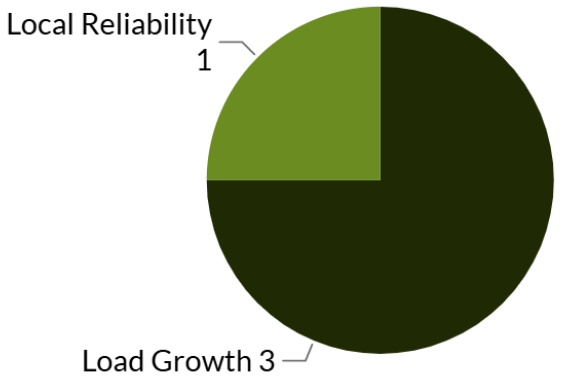



**11**
Total Projects

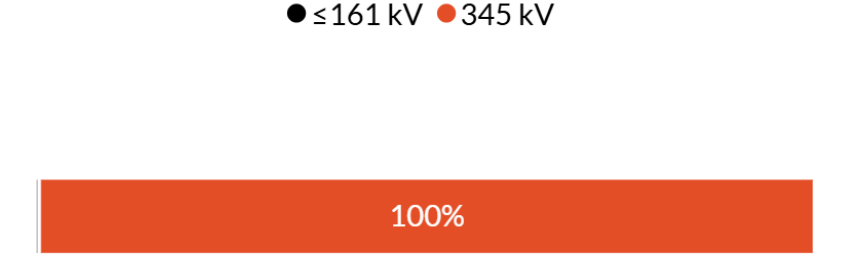
**$267M**
Investment

### Breakdown of Other Project Types

By Project Count

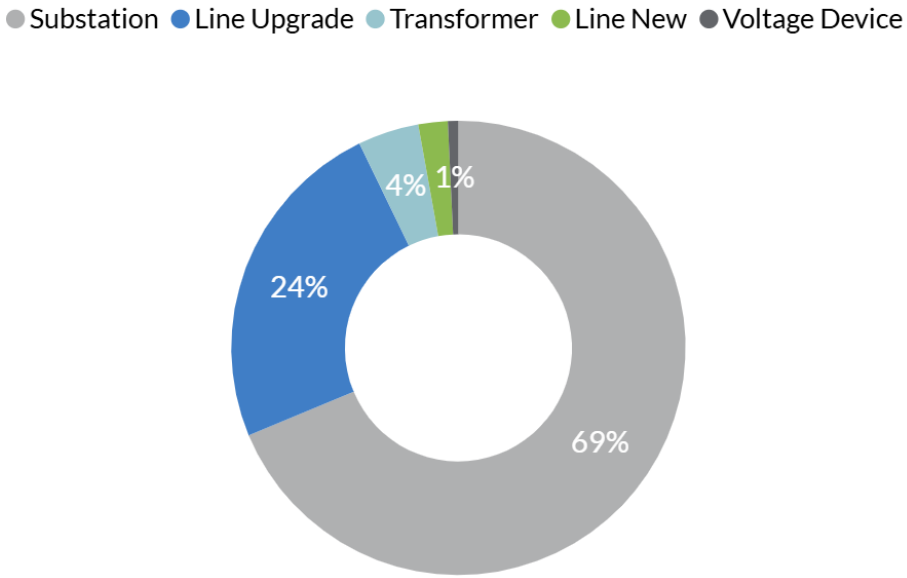



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost

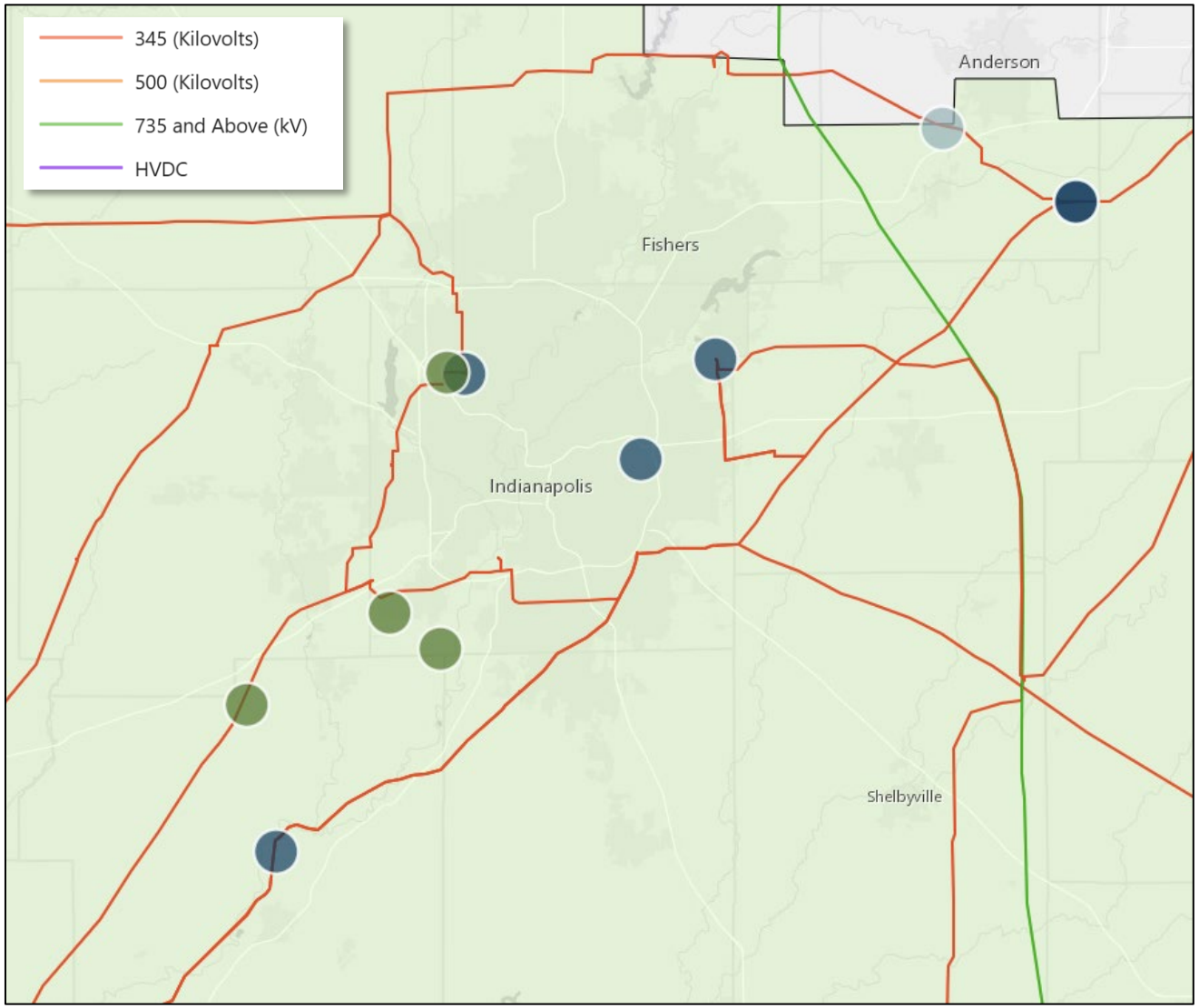


# Indianapolis Power & Light Company (IPL) MTEP26 Project Type Breakdown

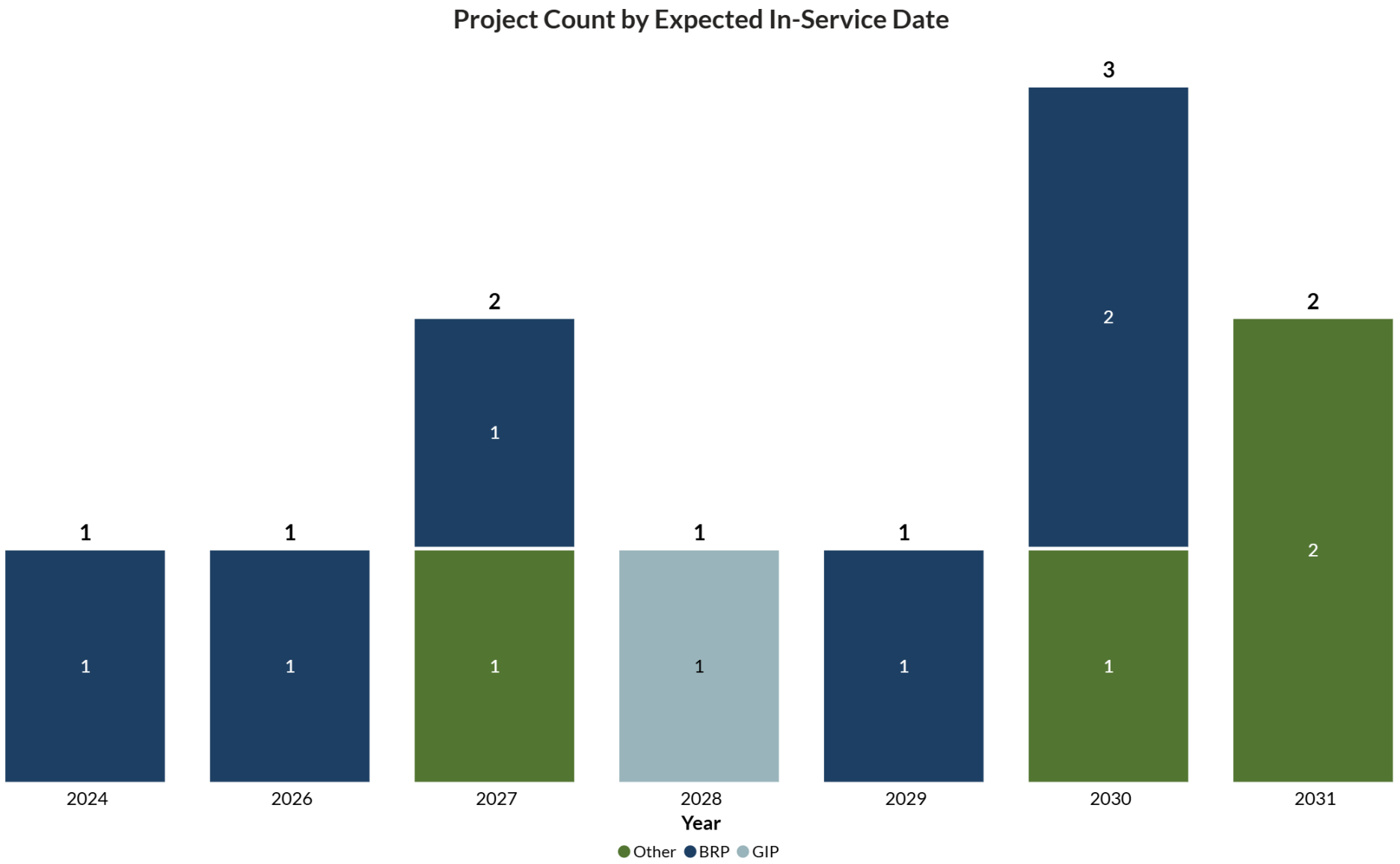
## INDIANAPOLIS POWER & LIGHT COMPANY

MTEP26 Summary

| | |
|---|---|
| GIP | 1 |
| BRP | 6 |
| Other | 4 |



# Indianapolis Power & Light Company (IPL) MTEP26 ISD Breakdown



# Baseline Reliability Project
# Details for Replace 138kV East Substation #5 Breaker




| MTEP Project ID | 51360 |
|---|---|
| Project Name | Replace 138kV East Substation #5 Breaker |
| Project Type | BRP |
| Project Description | Replacement of one (1) 138 kV breaker at East substation, #5 |
| System Need | Reliability need resulting from the annual short circuit analysis as required by NERC TPL-001-4 R2.3 & R2.8 |
| Current Cost | $0.9 M |
| Expected ISD | 08/31/2026 |
| Target Appendix | A |

Short-Circuit Study performed by IPL. Breaker replacement does not require a model change.

# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50768 | Uprate Sunnyside Autotransformer 345/138/34.5 kV | 12/31/2024 | $2.0 M |
| 50789 | Replace Guion South 345/138/13.75 kV Autotransformer | 12/31/2027 | $11.7 M |
| 50790 | Expand Blue Bluff 138 kV switchyard | 03/31/2030 | $30.0 M |
| 50795 | Uprate Guion to Whitestown 345 kV-09 | 12/31/2029 | $15.0 M |
| **51333** | **Rebuild Sunnyside to Fall Creek 345 kV transmission line** | **10/15/2030** | **$50.0 M** |
| 51360 | Replace 138kV East Substation #5 Breaker | 08/31/2026 | $0.9 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 Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50700** | **New Antioch 345 kV Station and Load** | **Load Growth** | **11/01/2027** | **$68.8 M** |
| 50792 | New Ralston 138 kV Delivery Point | Load Growth | 03/02/2031 | $10.0 M |
| **51228** | **New Reynolds 138 kV Delivery Point** | **Load Growth** | **03/03/2031** | **$41.7 M** |
| 51336 | IPL Adoption of Seasonal Ratings - BRP-MTEP26 | Local Reliability | 10/15/2030 | $0.0 M |

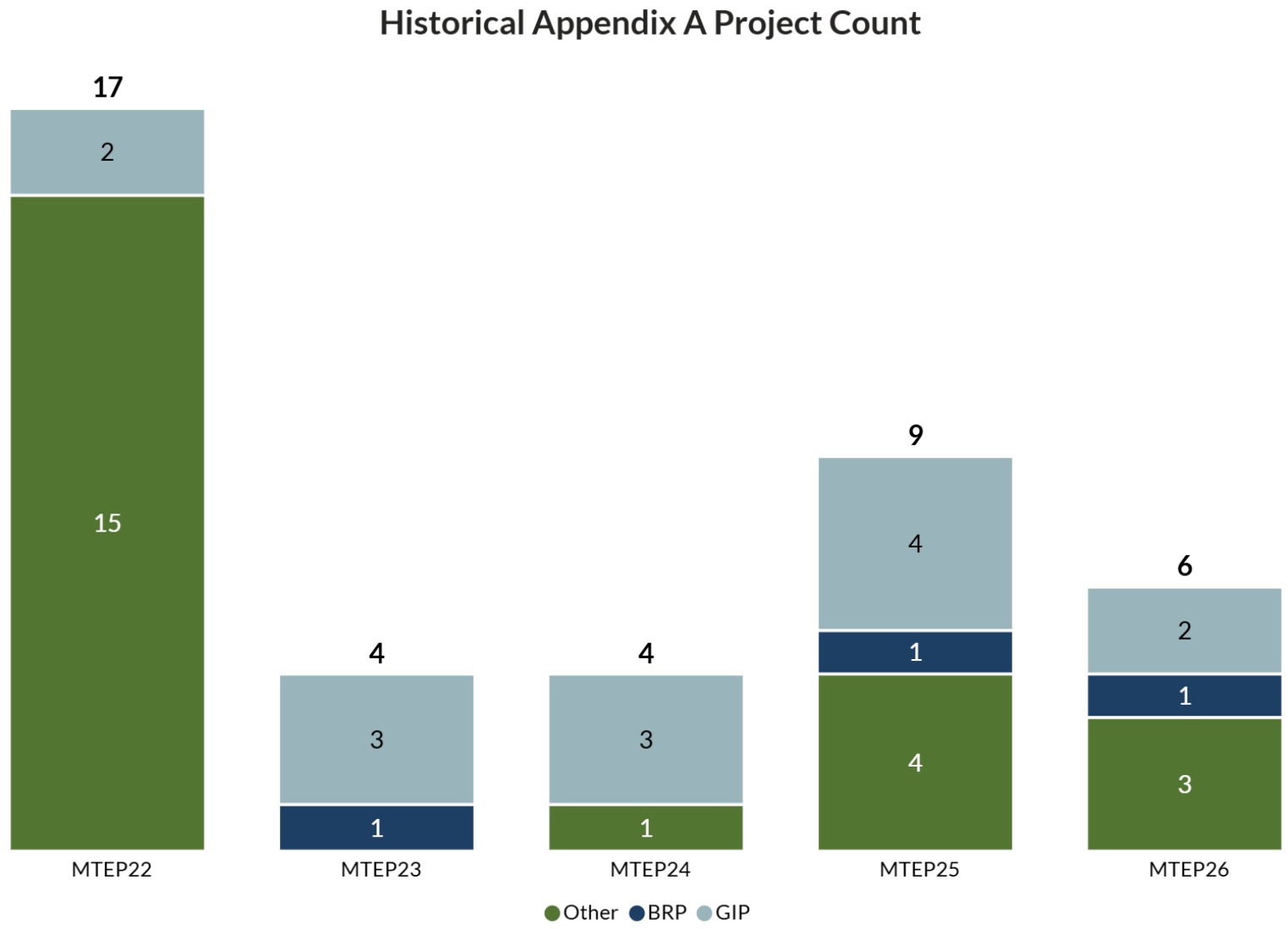
**Bold** MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
**Bold and Underlined** MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Generator Interconnection Projects (GIPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51418 | New 345kV E0046 Gas City Substation | 04/01/2028 | $36.6 M |

# Northern Indiana Public Service Company (NIPSCO)

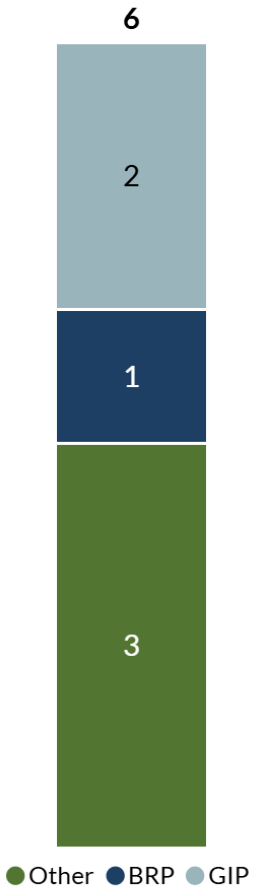
# Northern Indiana Public Service Company (NIPSCO) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# NORTHERN INDIANA PUBLIC SERVICE COMPANY LLC NIPS

MTEP26 Projects

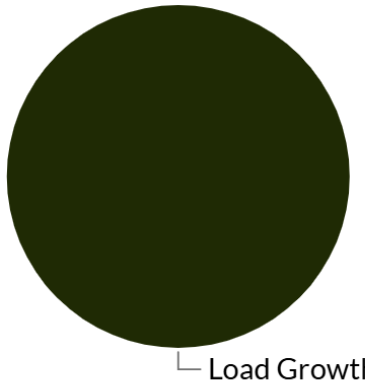



**6**
Total Projects

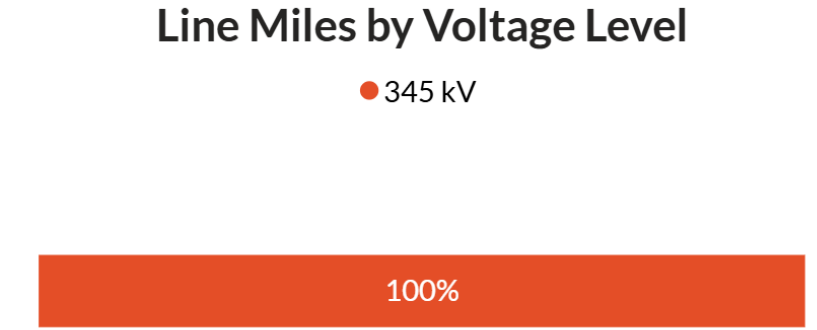
**$147M**
Investment

## Breakdown of Other Project Types

By Project Count

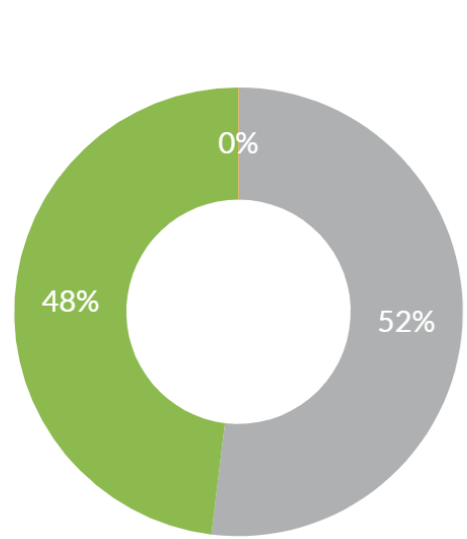



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

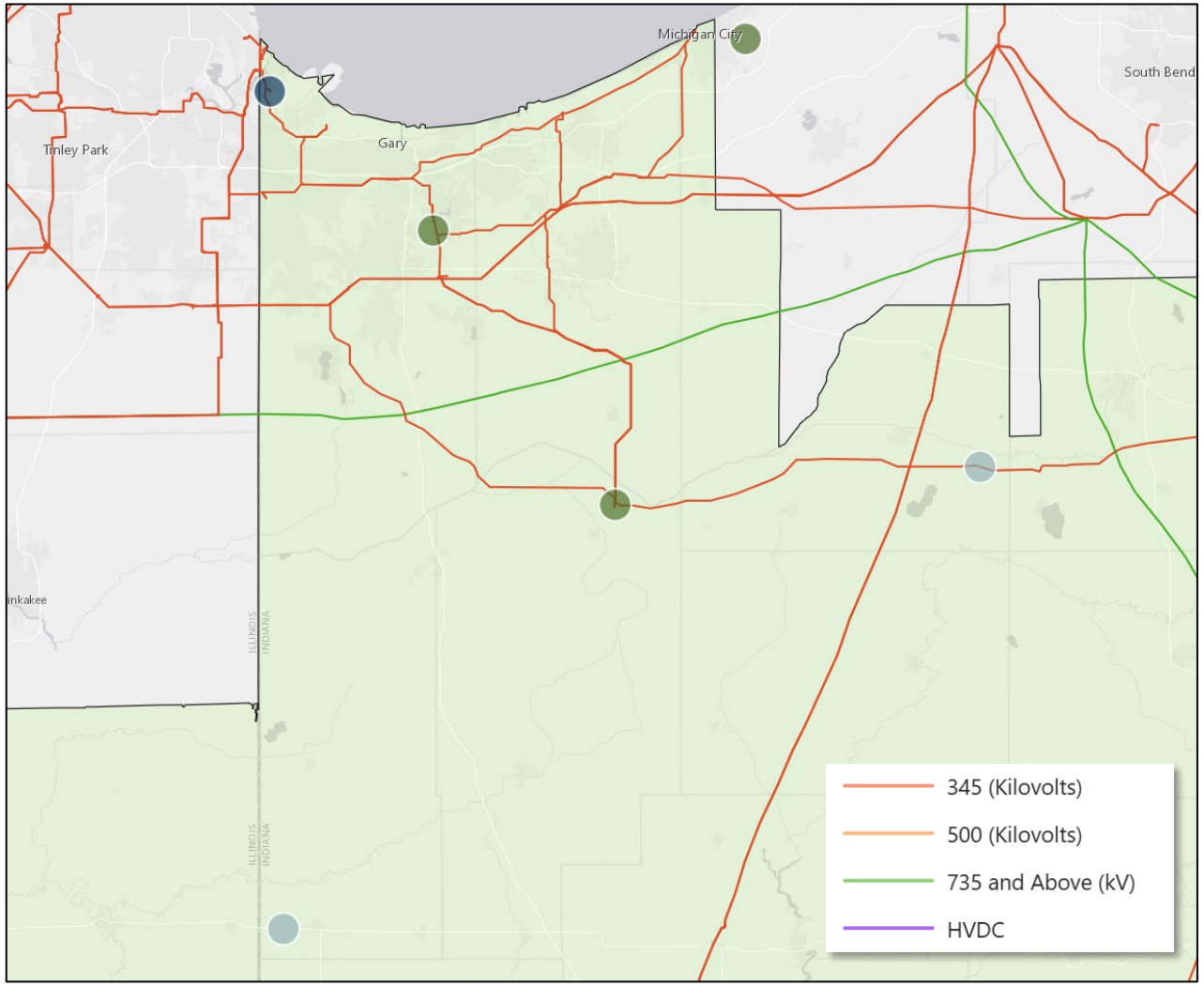


# Northern Indiana Public Service Company (NIPSCO) MTEP26 Project Type Breakdown

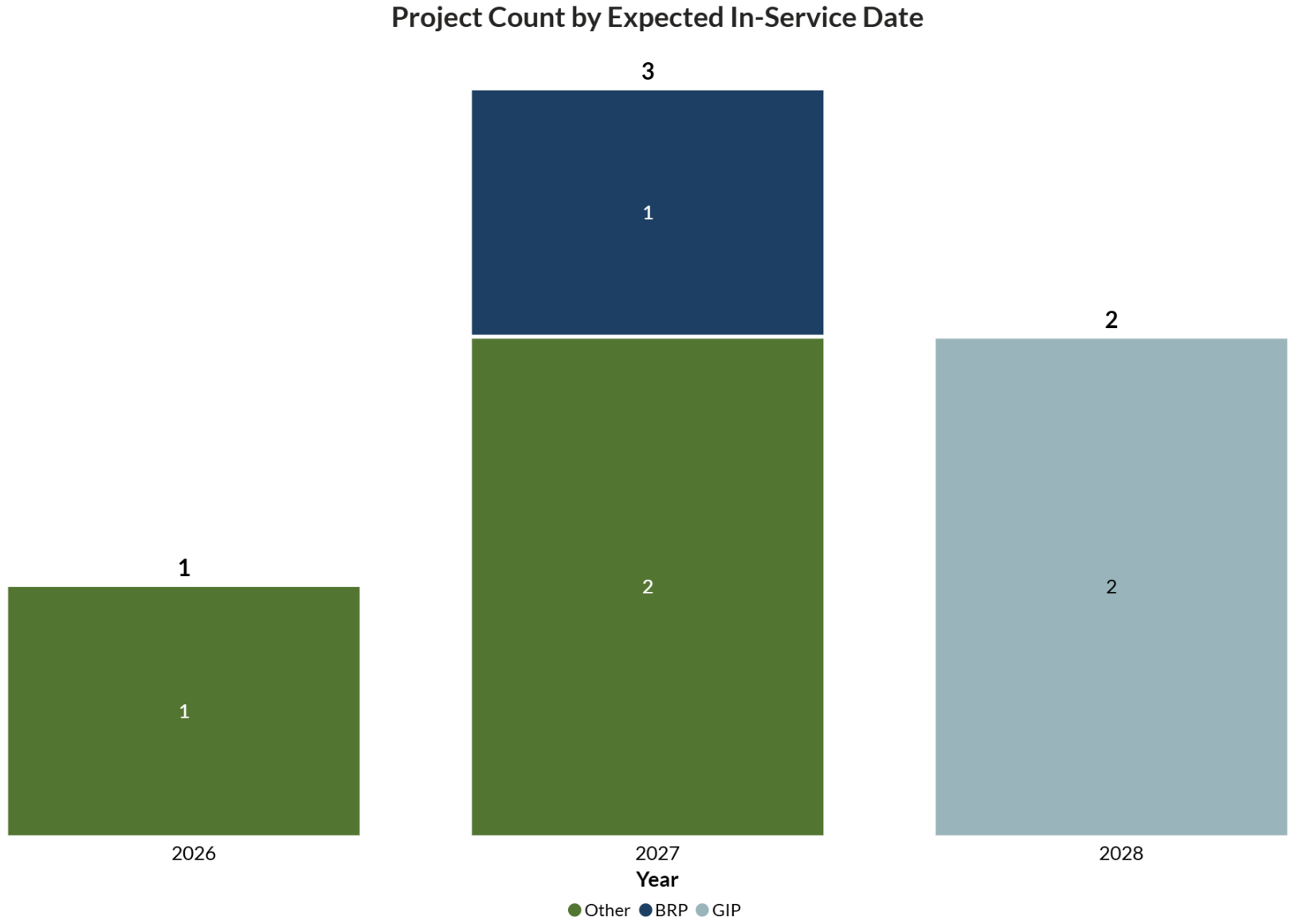
## NORTHERN INDIANA PUBLIC SERVICE COMPANY LLC NIPS

MTEP26 Summary

| | |
|---|---|
| GIP | 2 |
| BRP | 1 |
| Other | 3 |



# Northern Indiana Public Service Company (NIPSCO) MTEP26 ISD Breakdown



# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **51124** | **Sheffield Substation Battery and Trip Coil Monitoring** | **12/31/2027** | **$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.

# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51141 | New Hobart 345 kV Load Addition | Load Growth | 03/01/2027 | $60.0 M |
| 51142 | New Schahfer 345 kV Load Addition | Load Growth | 03/01/2027 | $31.0 M |
| 51148 | New Trail Creek 138 kV Load Addition | Load Growth | 06/30/2026 | $12.0 M |

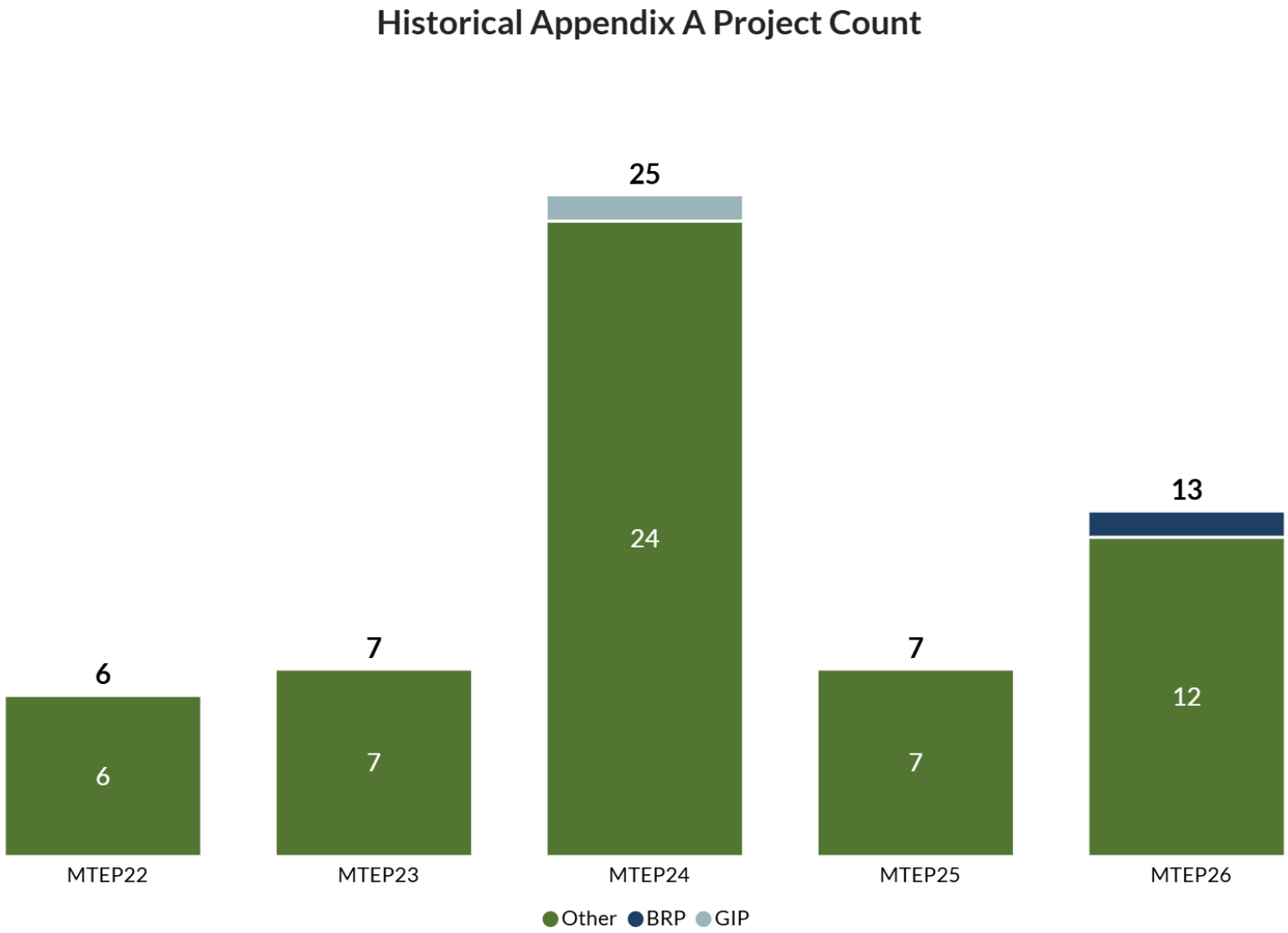
**Bold** MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
**Bold and Underlined** MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Generator Interconnection Projects (GIPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51119 | J1646 IC Facilities | 11/30/2028 | $0.8 M |
| 51181 | J1684 IC Facilities | 10/01/2028 | $43.5 M |

# Southern Indiana Gas & Electric Company (SIGE)

# Southern Indiana Gas & Electric Company (SIGE) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# SOUTHERN INDIANA GAS & ELECTRIC COMPANY D/B/A CENT…

MTEP26 Projects

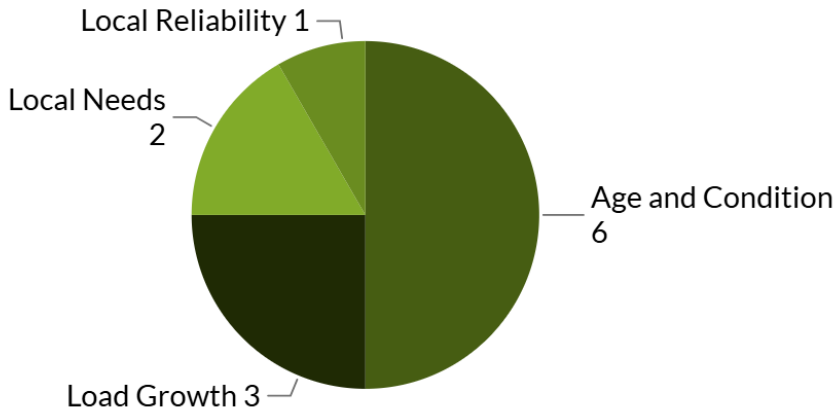



**13**
Total Projects

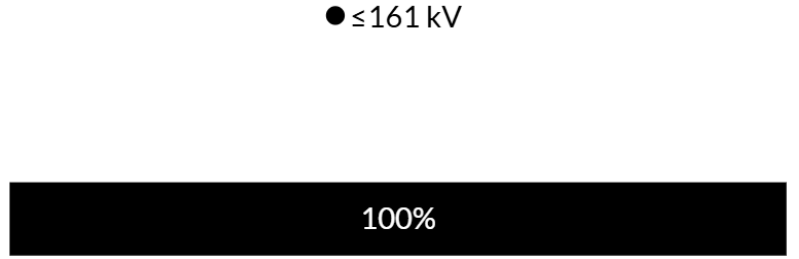
**$90M**
Investment

## Breakdown of Other Project Types

By Project Count

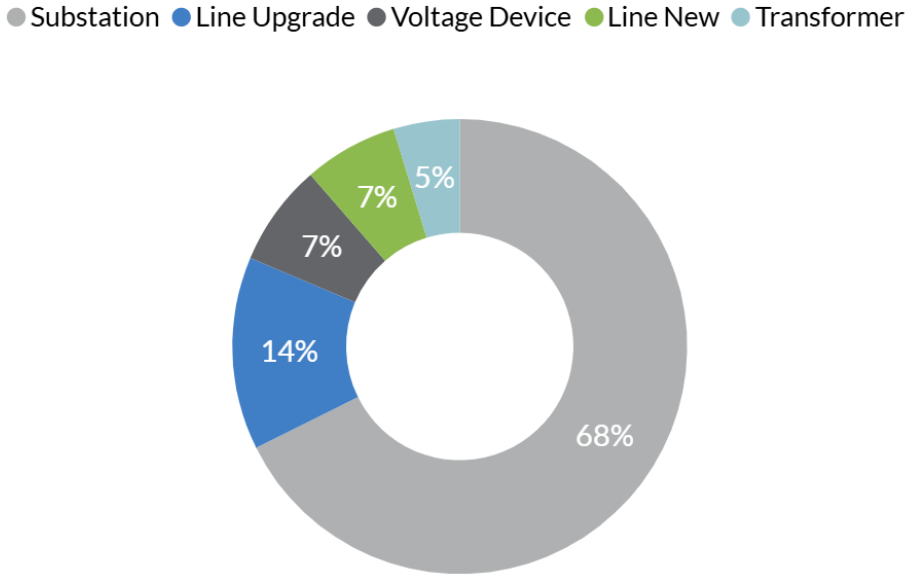



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

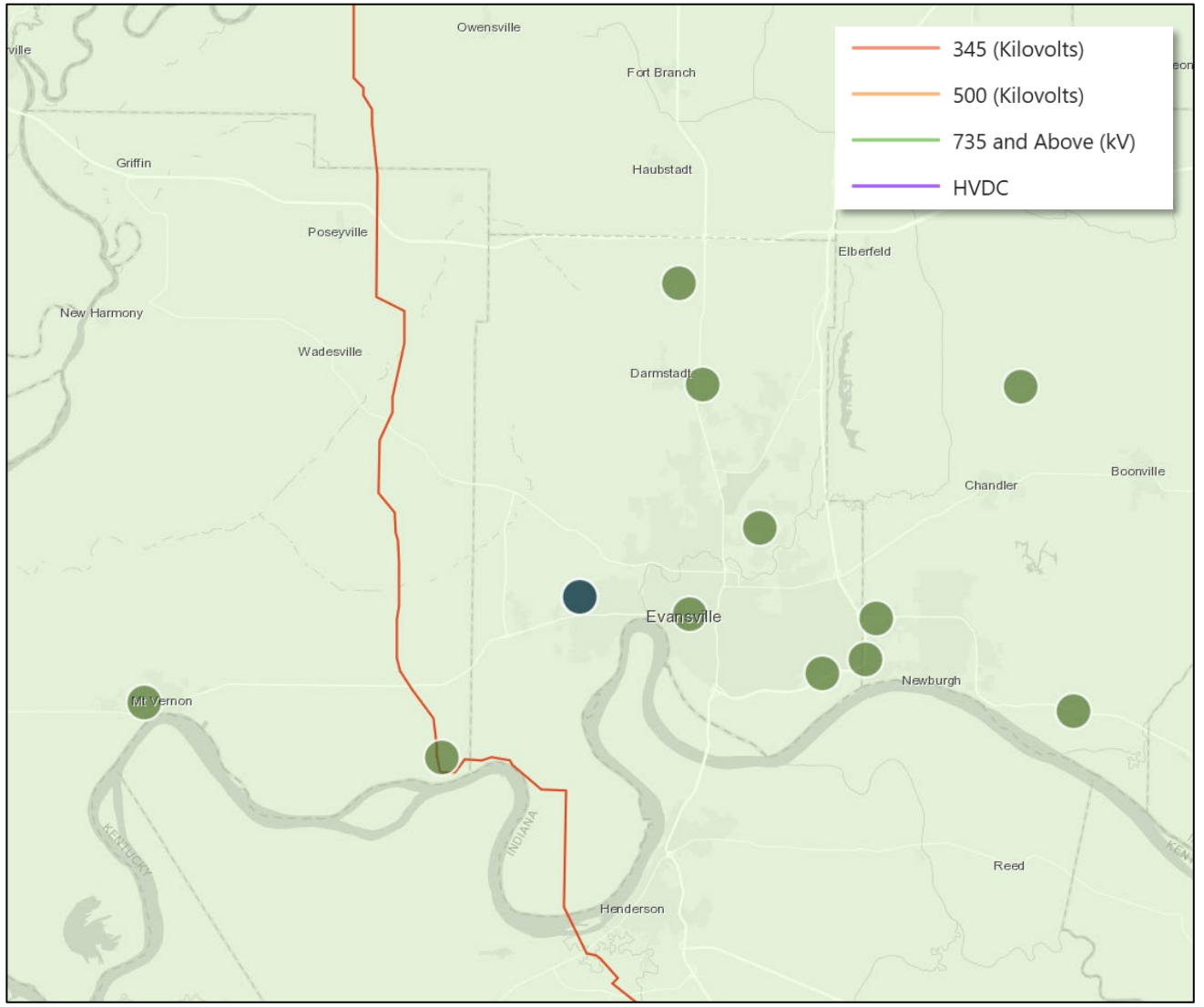


# Southern Indiana Gas & Electric Company (SIGE) MTEP26 Project Type Breakdown

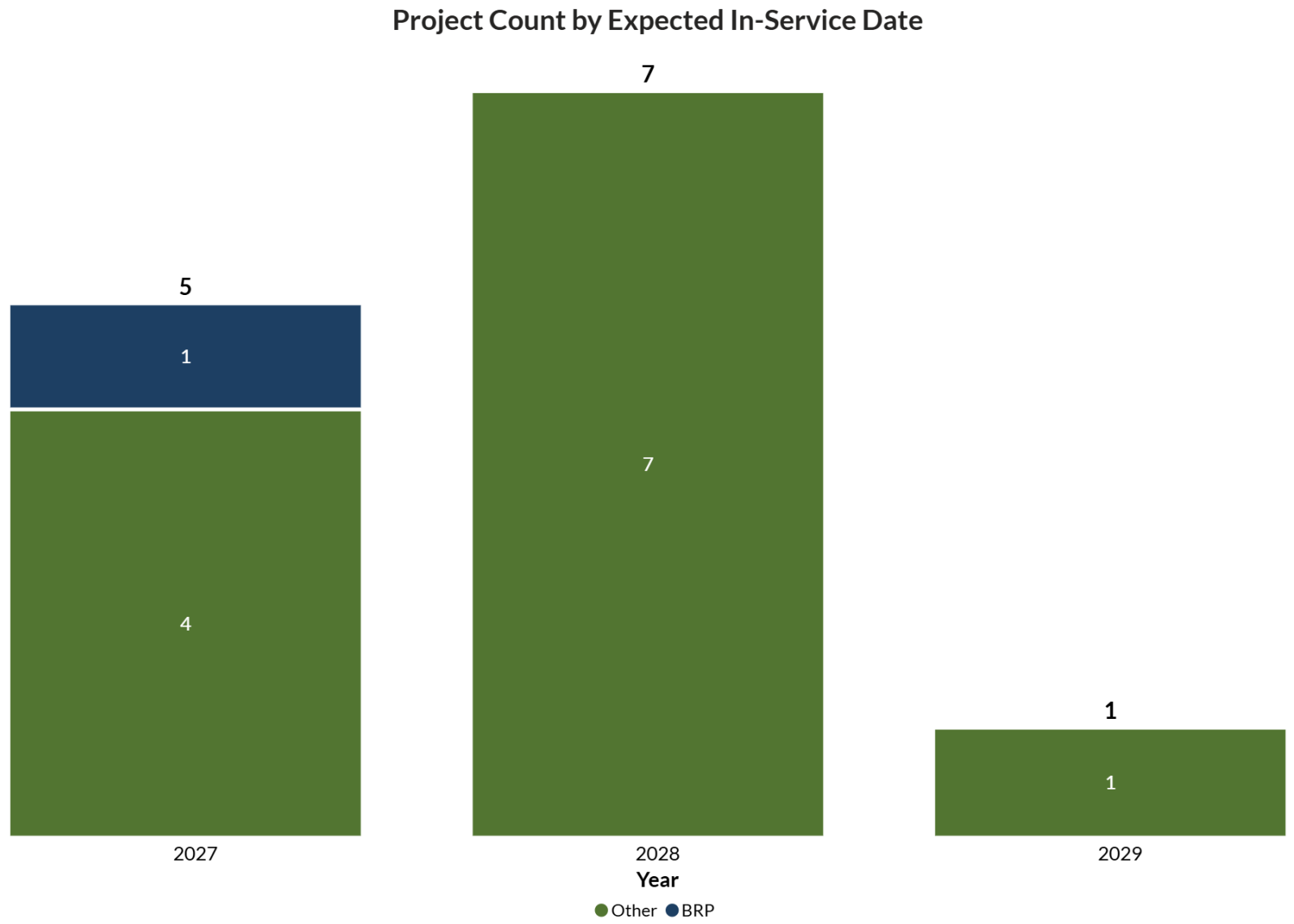
## SOUTHERN INDIANA GAS & ELECTRIC COMPANY D/B/A …

MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 12 |



# Southern Indiana Gas & Electric Company (SIGE) MTEP26 ISD Breakdown



# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51149 | New Project Raider Cap Banks 69 kV | 09/01/2027 | $5.1 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.

# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 15991 | Replace Mount Vernon T3 138/69 kV Transformer | Age and Condition | 12/31/2028 | $2.7 M |
| 15998 | Rebuild Vigo 69/12 kV Distribution Substation | Age and Condition | 12/31/2028 | $1.5 M |
| 50812 | New Y58 Oak Grove - Gateway 69 kV Line | Local Reliability | 12/31/2027 | $7.5 M |
| 50813 | Replace 138 kV Breakers at Northeast Substation | Age and Condition | 12/31/2028 | $6.2 M |
| 50814 | Rebuild Y53 East Industrial - Heidelbach 69 kV Line | Age and Condition | 12/31/2029 | $2.3 M |
| 50818 | New Angel Mounds 69 kV Capacitor Bank | Local Needs | 12/31/2027 | $1.4 M |
| 50822 | New Stacer Road 138/12 kV Distribution Substation | Load Growth | 06/30/2027 | $6.6 M |
| 50826 | New Old State 69/12 kV Distribution Substation | Load Growth | 12/31/2028 | $5.5 M |
| 50828 | Upgrade AB Brown 138 kV - Breaker Repl. - 63kA | Local Needs | 12/31/2028 | $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.

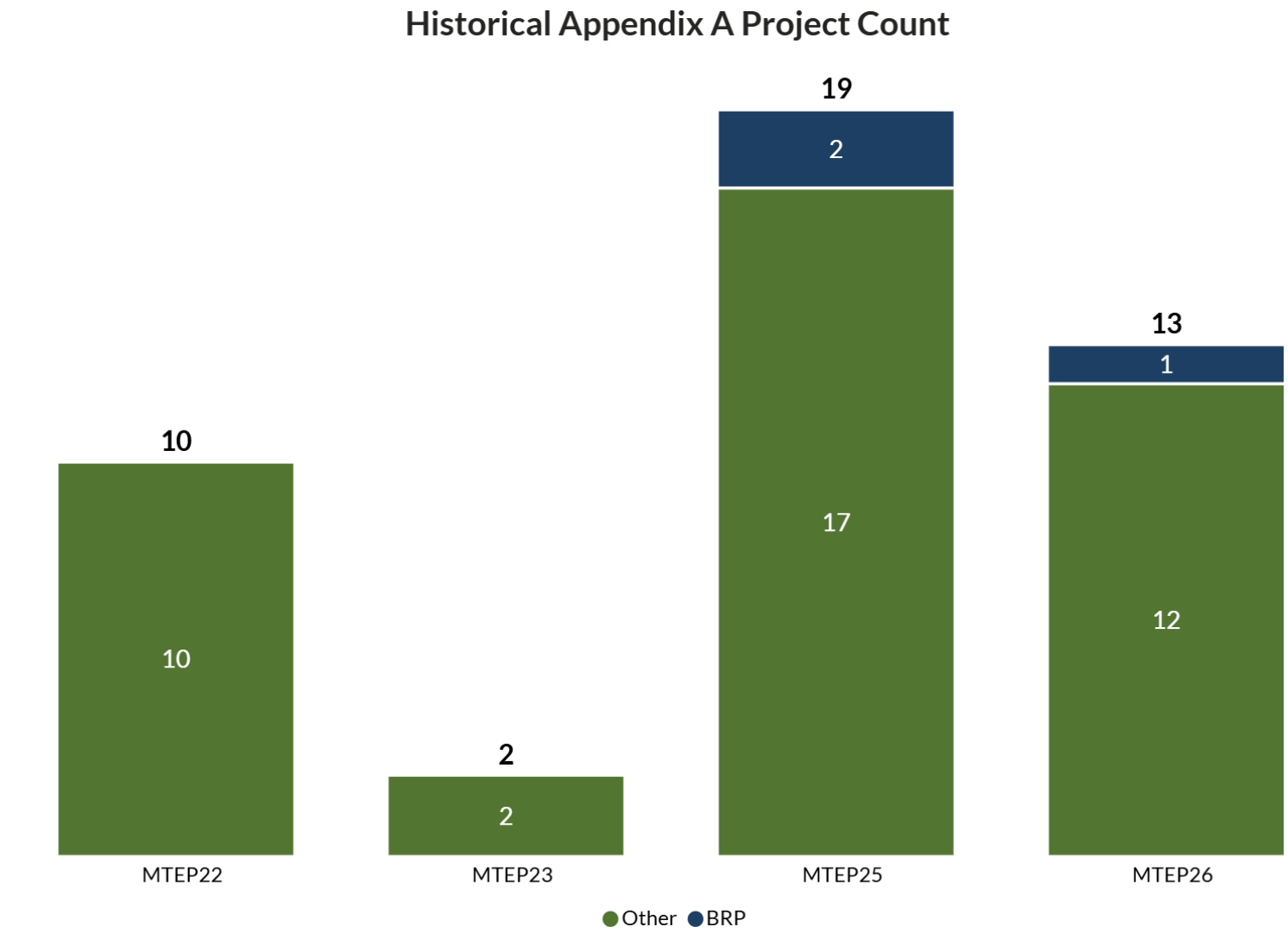
# Other Projects Summary (cont.)

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50829 | Rebuild Z85 Culley to Warrick North 138 kV Line | Age and Condition | 12/31/2028 | $5.0 M |
| 50830 | Rebuild Y65/66 69 kV Line | Age and Condition | 12/31/2028 | $5.0 M |
| **51079** | **New Project Raider Load Substation 345 kV** | **Load Growth** | **06/01/2027** | **$29.9 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.

# Wabash Valley Power Association (WVPA)

# Wabash Valley Power Association (WVPA) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# WABASH VALLEY POWER ASSOCIATION, INC.

MTEP26 Projects

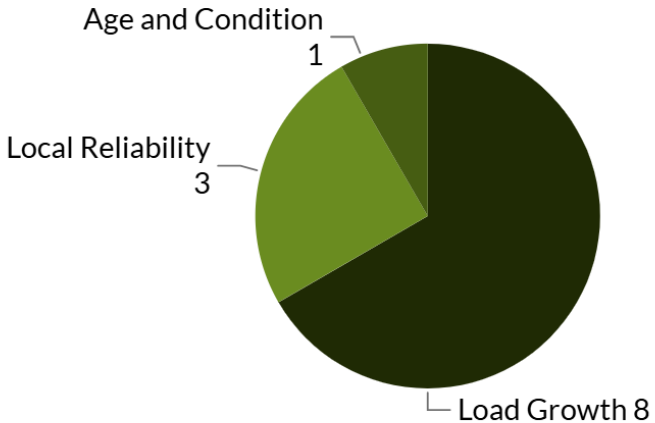



**13**
Total Projects

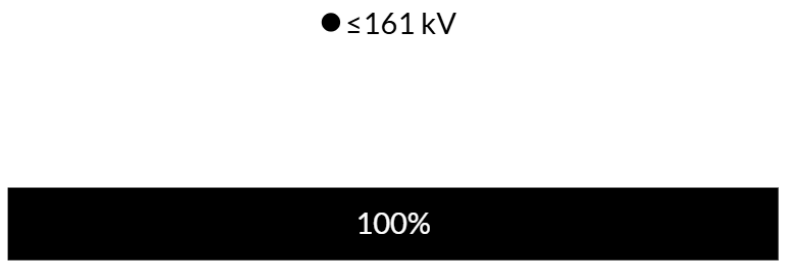
**$173M**
Investment

## Breakdown of Other Project Types

By Project Count

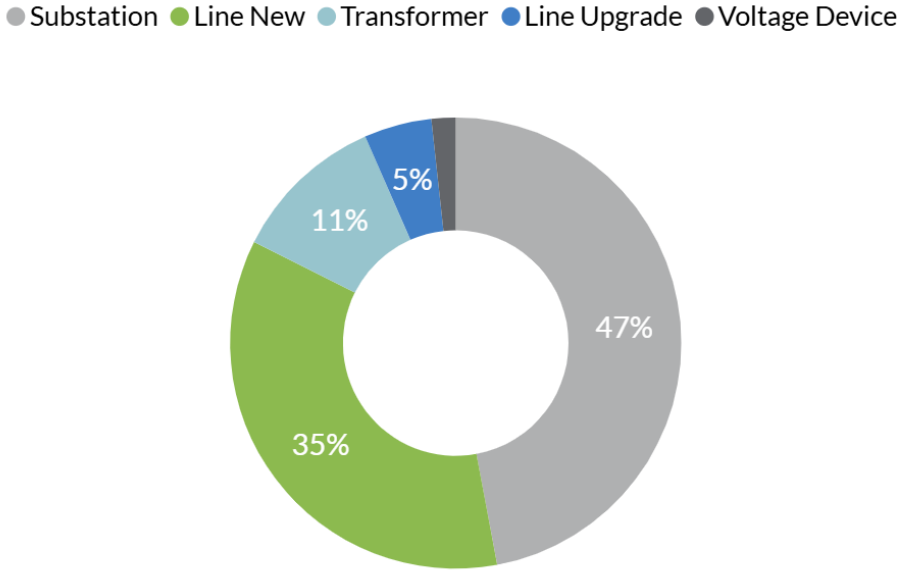



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

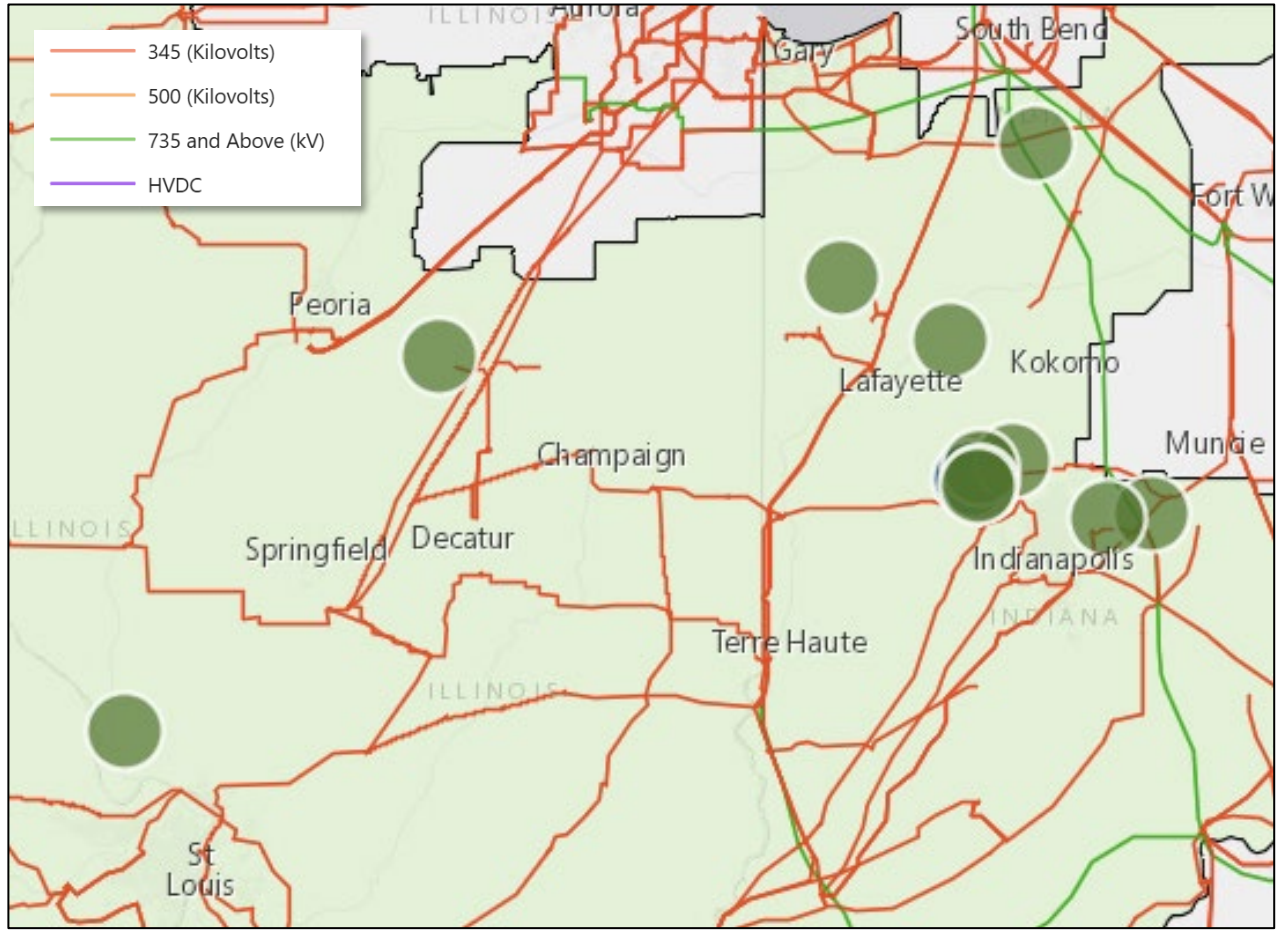


# Wabash Valley Power Association (WVPA) MTEP26 Project Type Breakdown

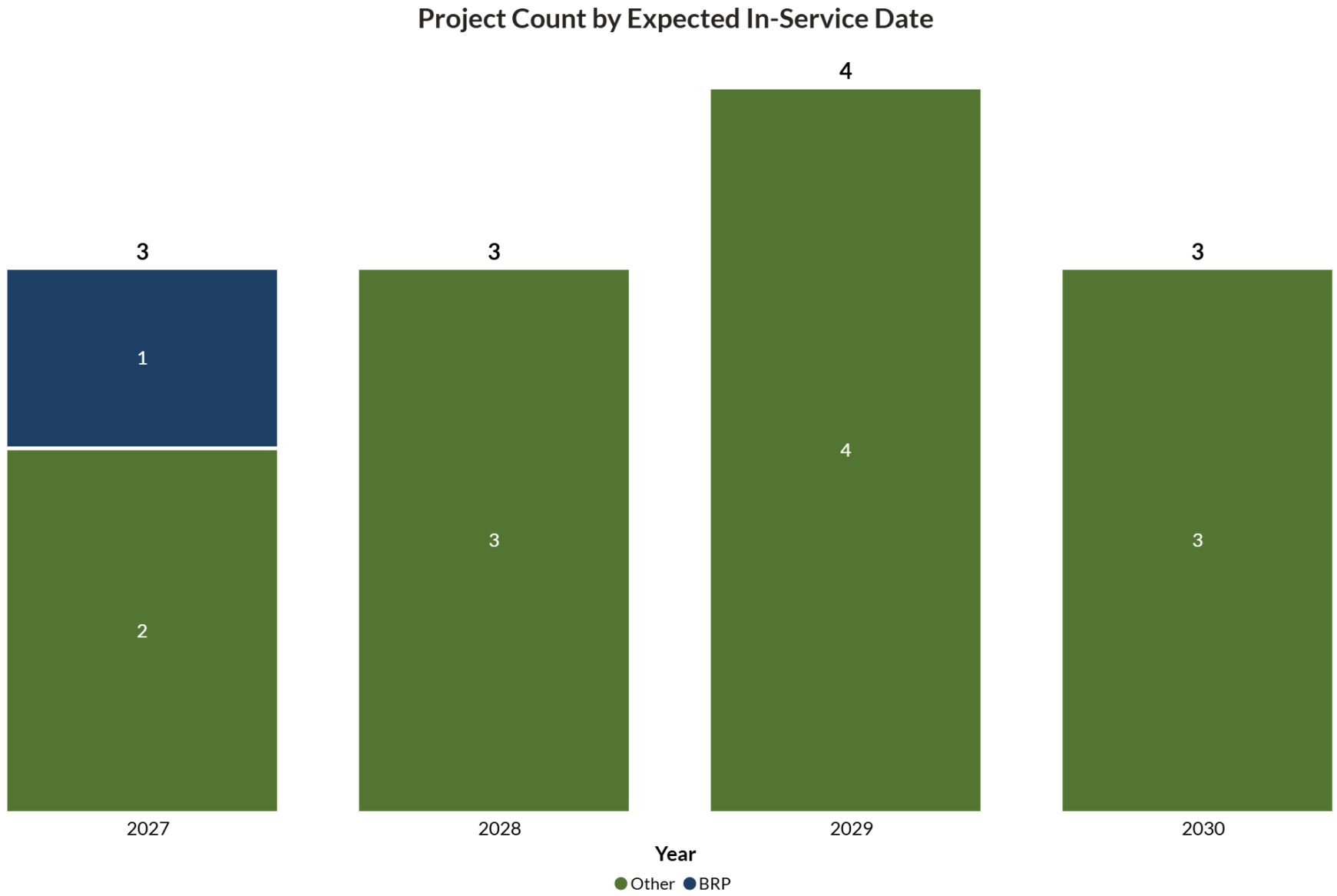
**WABASH VALLEY POWER ASSOCIATION, INC.**

MTEP26 Summary

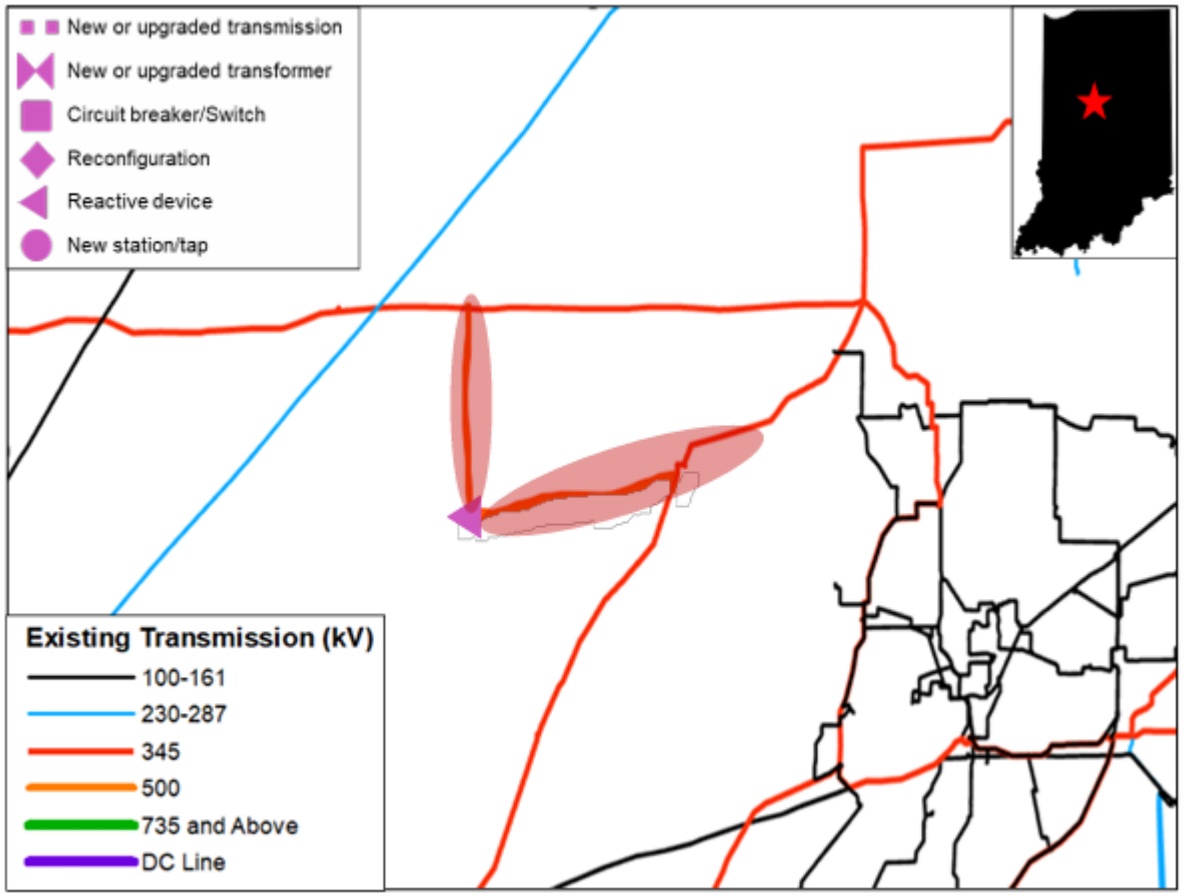
| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 12 |



# Wabash Valley Power Association (WVPA) MTEP26 ISD Breakdown



# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 51043 |
|---|---|
| Project Name | New LEAP 345 kV Phase 1 Reactive Mitigation |
| Project Type | BRP |
| Project Description | Replace the static capacitor at LEAP North with a switched capacitor to alleviate an overvoltage scenario |
| Current Cost | $3.0 M |
| Expected ISD | 12/31/2027 |
| Target Appendix | A |

# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51043 | New LEAP 345 kV Phase 1 Reactive Mitigation | 12/31/2027 | $3.0 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 Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51032 | Rebuild Milner's Corner 69 kV Line | Age and Condition | 12/31/2030 | $8.4 M |
| 51033 | New College Avenue 138/12 kV Substation | Load Growth | 12/31/2029 | $7.0 M |
| 51035 | New Drake 69/12 kV Substation | Load Growth | 12/31/2029 | $15.7 M |
| 51036 | New Bridge Creek 69/12 kV Substation | Load Growth | 05/15/2029 | $25.5 M |
| 51037 | Convert Elizaville 69 kV | Local Reliability | 12/31/2030 | $15.2 M |
| 51038 | New Carpenter/Princeton 2nd 69 kV Source | Local Reliability | 12/31/2030 | $17.5 M |
| 51039 | New Marco to Lawrence 69 kV Tie | Local Reliability | 12/31/2029 | $24.5 M |
| 51040 | New Fieldon 69/12 kV Substation | Load Growth | 12/31/2028 | $8.2 M |
| 51041 | New Foundry 138/12 kV Substation | Load Growth | 12/31/2027 | $19.5 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 Summary (cont.)

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51042 | New Lebanon Industrial North 69/12 kV Substation | Load Growth | 09/08/2027 | $15.0 M |
| 51044 | New McCordsville 2nd Bank | Load Growth | 12/31/2028 | $7.7 M |
| 51046 | New Pioneer 138/12 kV Substation | Load Growth | 06/30/2028 | $6.2 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.

# Questions?



Andenet Leyew
Engineer – Expansion Planning

Matt Ladd
Engineer – Expansion Planning

Amanda Schiro
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

MISO

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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misoenergy.org

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MISO

# MTEP26 Project Information – Missouri

Central Subregional Planning Meeting (CSPM)

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



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

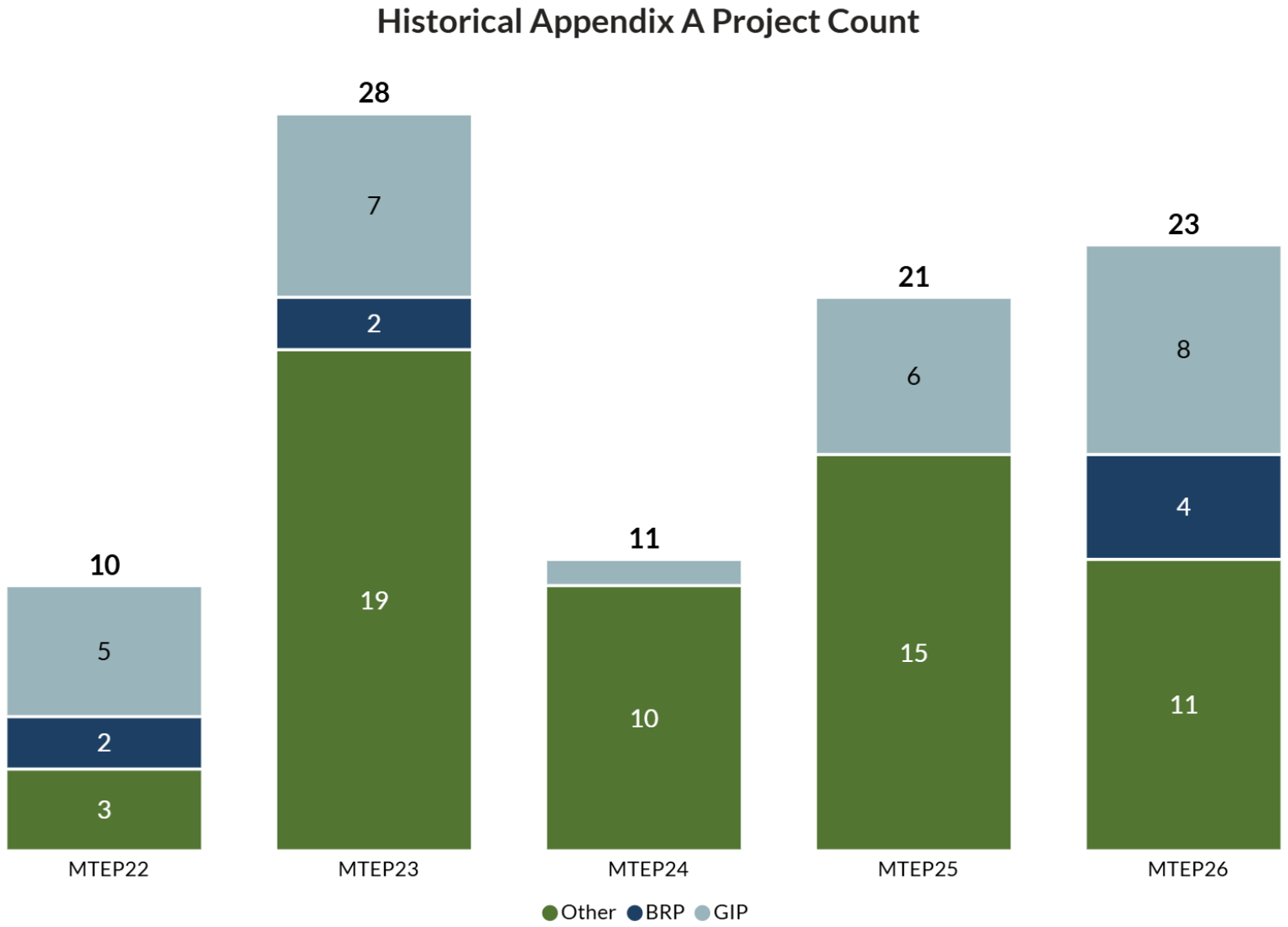
- Ameren Missouri (AMMO)
  - 23 submitted projects at an estimated cost of $350 million
- Ameren Transmission Company of Illinois (ATXI)
  - 7 submitted projects at an estimated cost of $486 million
- Citizens Electric Corporation (CEC)
  - 9 submitted projects at an estimated cost of $58 million
- CWLD did not submit projects for consideration in MTEP26

# Ameren Missouri (AMMO)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50054 | New Bollinger County Solar 345 kV Ring Bus Substation (J1519) | GIP | Project ISD changed from 12/1/2027 to 6/1/2029 |

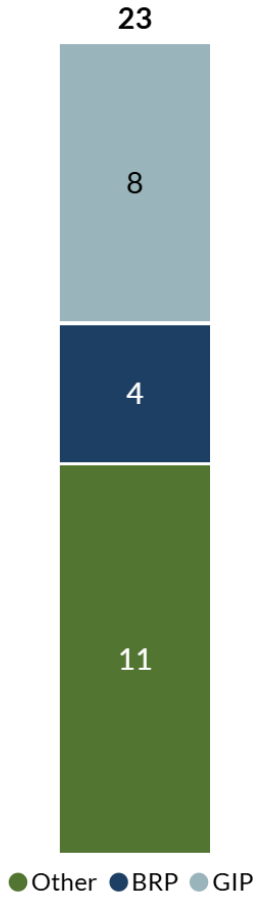
# Ameren Missouri (AMMO) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# AMEREN MISSOURI

## MTEP26 Projects

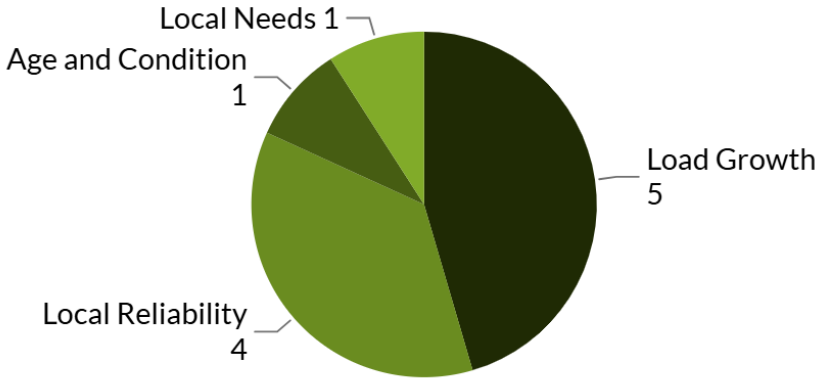



**23**
Total Projects

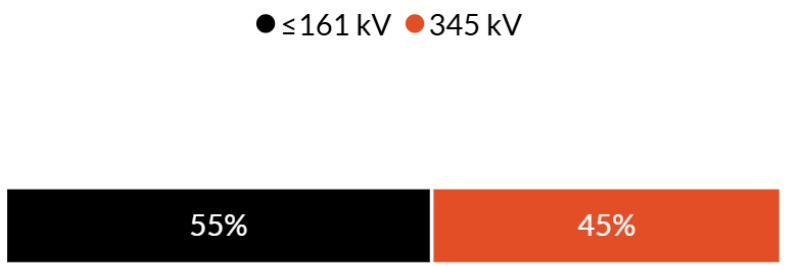
**$350M**
Investment

## Breakdown of Other Project Types

By Project Count

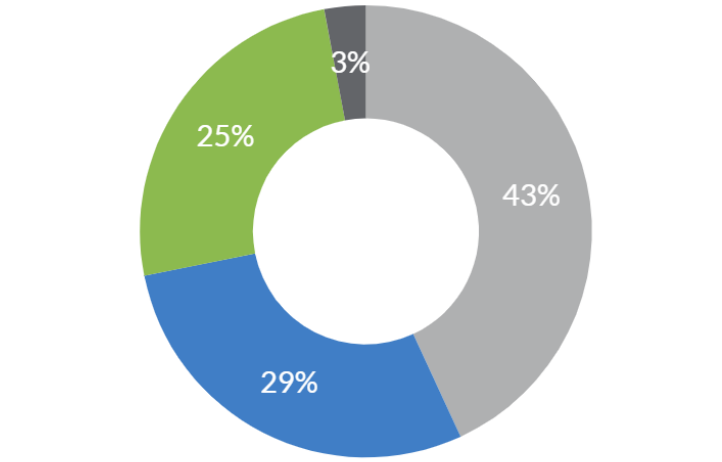



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

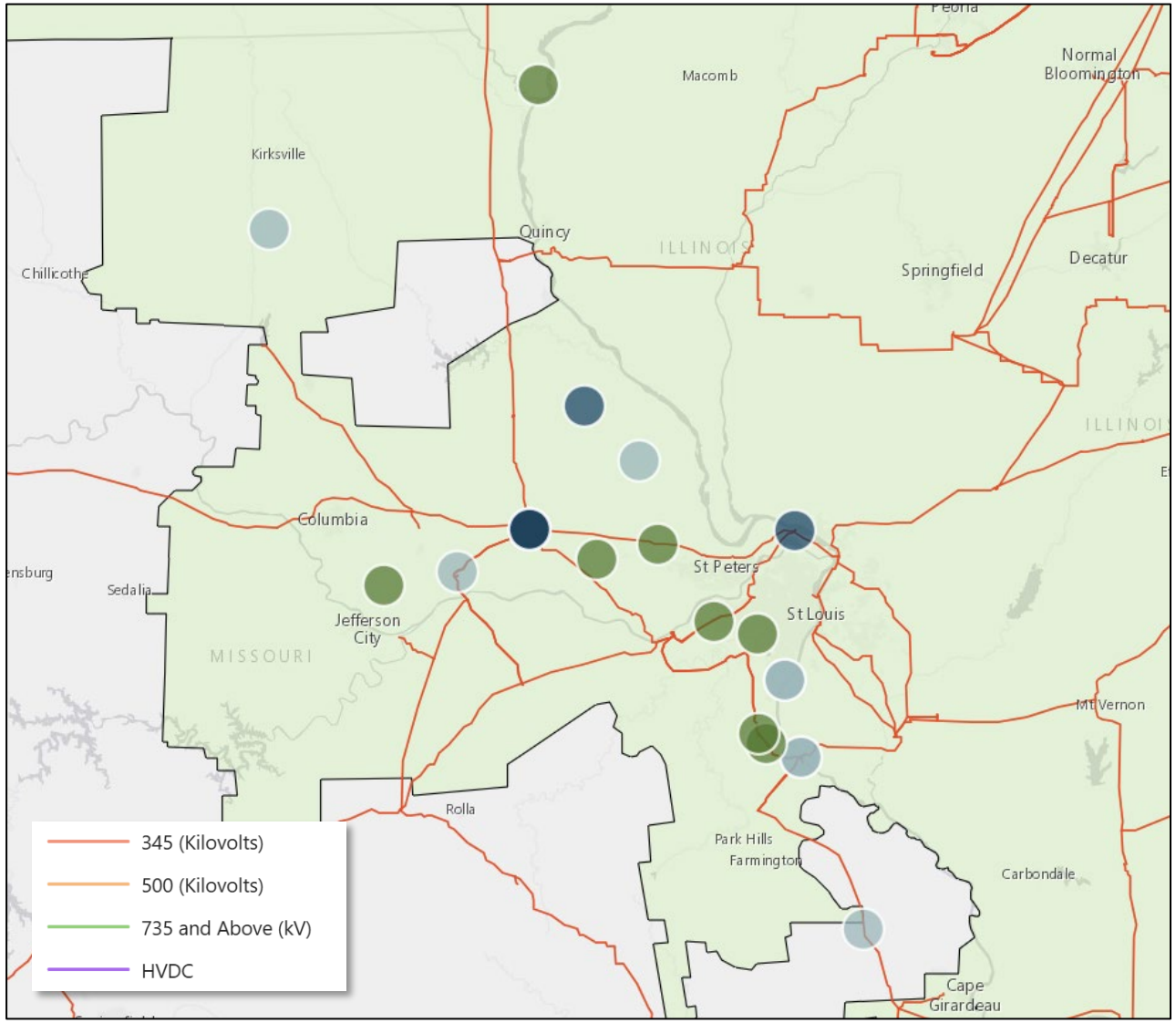


# Ameren Missouri (AMMO) Project Type Breakdown

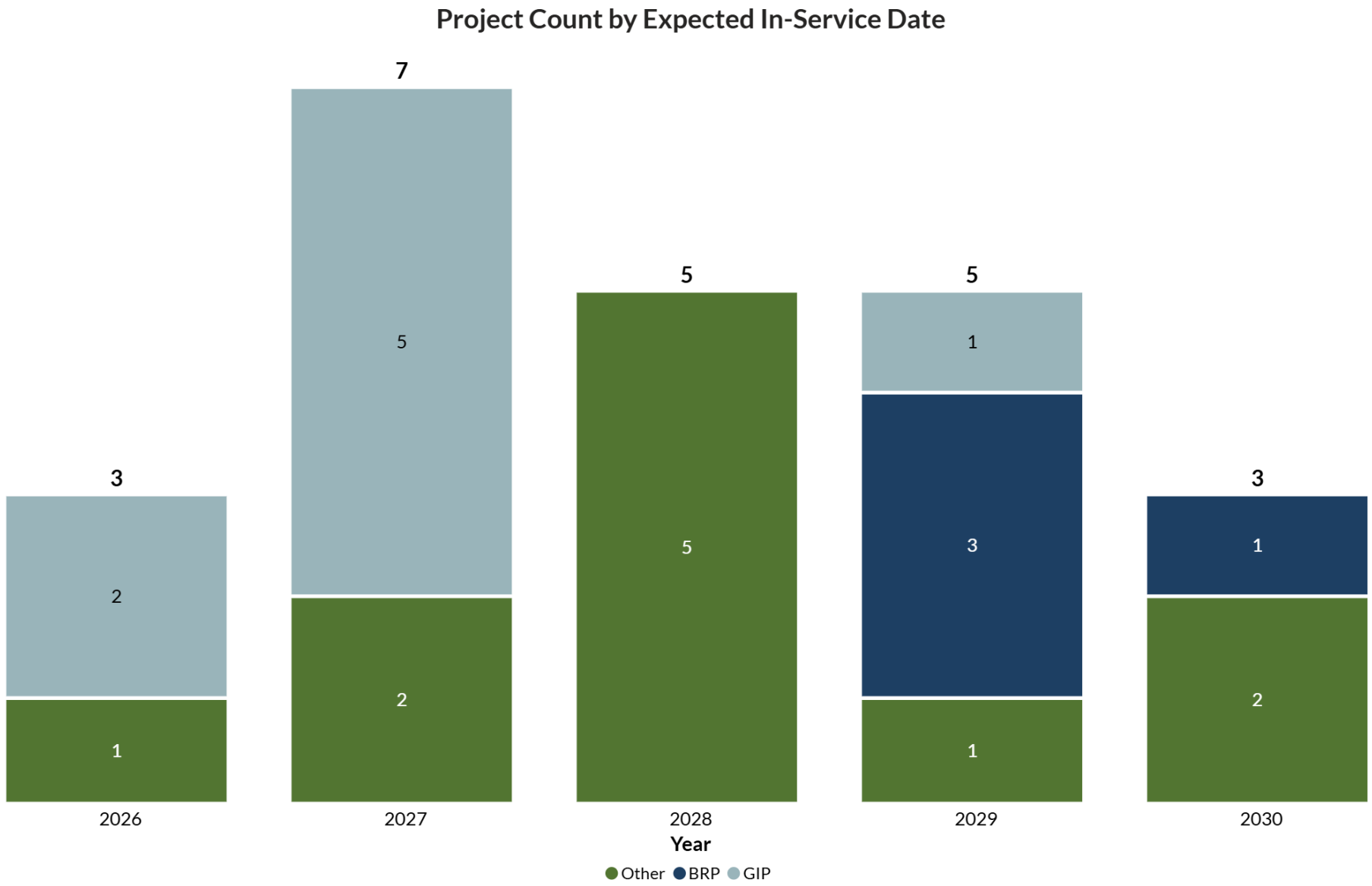
## AMEREN MISSOURI

MTEP26 Summary

| | |
|---|---|
| GIP | 8 |
| BRP | 4 |
| Other | 11 |



# Ameren Missouri (AMMO) MTEP26 ISD Breakdown



# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **51113** | **Upgrade Montgomery 345 kV terminal equipment** | **12/01/2029** | **$5.0 M** |
| **51114** | **Apply Pike – Peno Creek 161 kV E3X** | **12/01/2029** | **$0.8 M** |
| **51128** | **Upgrade Sioux-Roxford 138 kV Lines** | **12/01/2029** | **$8.0 M** |
| **51390** | **Re-route Montgomery-Burns 345 kV Line to Nightingale 345 kV Substation** | **12/01/2030** | **$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.

# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 22953 | Expand Wildwood 345/138 kV substation | Local Reliability | 12/01/2029 | $13.6 M |
| 23066 | New Point Prairie 161 kV ring bus | Local Reliability | 12/01/2028 | $12.0 M |
| **50737** | **New Load Addition at New Elkhorn 345 kV substation (Elkhorn Phase 2)** | **Load Growth** | **12/01/2028** | **$40.0 M** |
| **50738** | **New Load Addition at New Yoshi 345 kV substation** | **Load Growth** | **12/01/2028** | **$109.0 M** |
| **50741** | **New Montgomery 345 kV Temporary Tap (Elkhorn Phase 1)** | **Load Growth** | **12/30/2027** | **$0.2 M** |
| **50743** | **New Elkhorn 280 MVAR Cap Bank** | **Local Reliability** | **12/01/2028** | **$12.0 M** |
| **50791** | **New Project Point 345 kV BAAH substation** | **Load Growth** | **12/01/2030** | **$42.7 M** |
| 50891 | Replace Marshall 138 kV Aging Infrastructure | Age and Condition | 12/01/2027 | $4.5 M |
| **51175** | **Rebuild Carbide Tap-Viele 161 kV line (JUA AECI/NE Power)** | **Local Needs** | **11/30/2026** | **$0.1 M** |
| 51321 | Rebuild Montgomery-Guthrie 161 kV Line | Local Reliability | 12/01/2030 | $40.0 M |
| **51323** | **New Project Point 345 kV Temporary Tap** | **Load Growth** | **06/01/2028** | **$3.0 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.

# Generator Interconnection Projects (GIPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50054 | New Bollinger County Solar 345 kV Ring Bus Substation (J1519) | 06/01/2029 | $12.0 M |
| 50055 | New Reform Solar Odyssey 345 kV Ring Bus (J1836) | 06/01/2027 | $12.0 M |
| 50177 | New Castle Bluff Energy Center Meramec 138 kV connection (R1047) | 12/01/2026 | $3.5 M |
| 50771 | New Big Hollow CTG Energy Center interconnection (R1057) | 06/01/2027 | $2.5 M |
| 50772 | New Big Hollow BESS Energy Center Connection (R1058) | 06/01/2027 | $0.2 M |
| 50776 | New Macon County Solar Plainview 161 kV Ring Bus (J2050) | 12/01/2027 | $17.0 M |
| 51052 | New Castle Bluff BESS Energy Center connection (R1059) | 12/01/2026 | $1.0 M |
| 51302 | New Quinn 161 kV Ring Bus for Millcreek (E0017) | 12/01/2027 | $10.6 M |

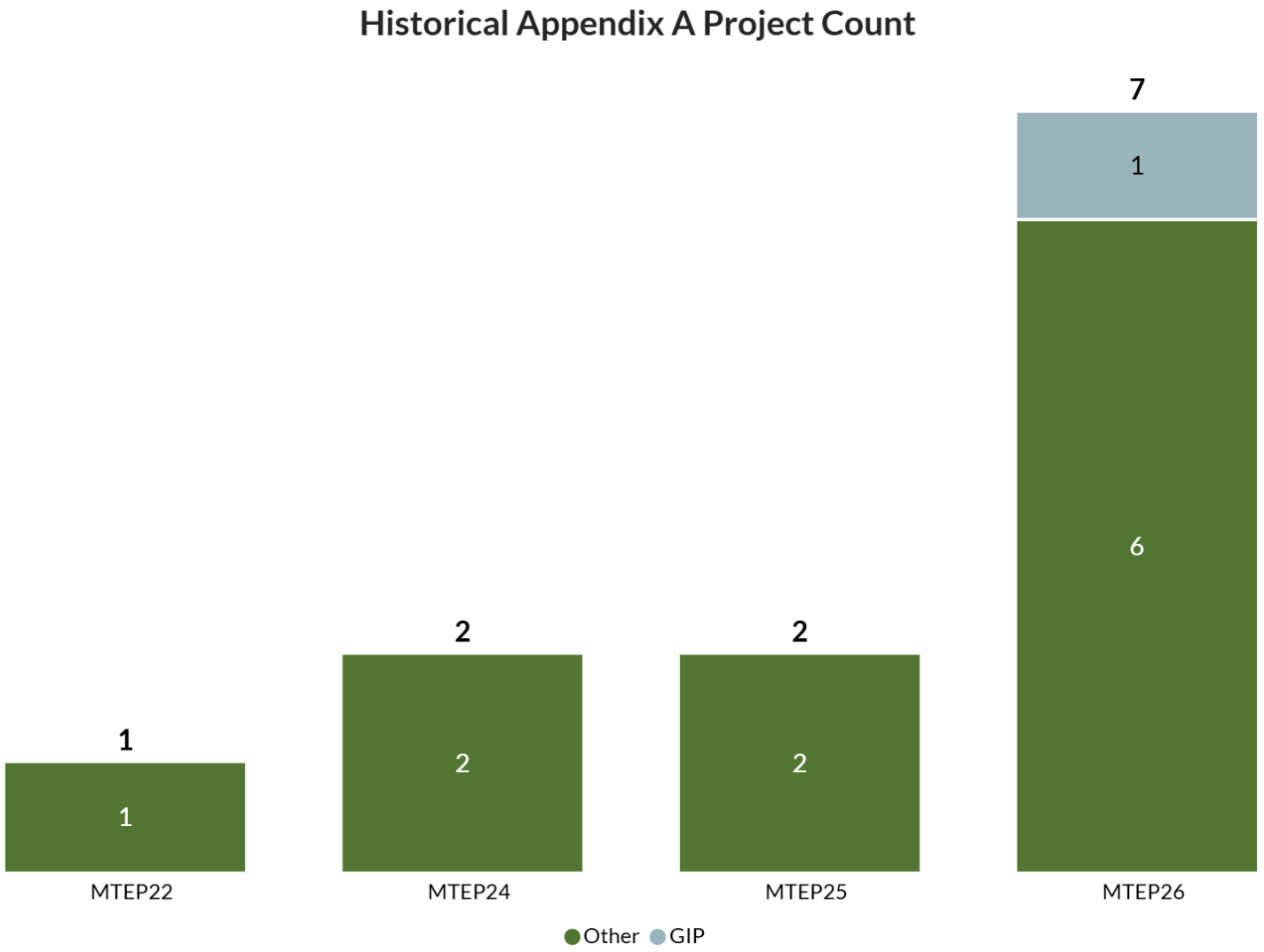
# Ameren Transmission Company of Illinois (ATXI)



# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51296 | New Greenbrier 345 kV Ring Bus on Denny - Zachary 345 kV line Sullivan Renewable Energy Center (E0013) | GIP | Project ISD changed from 12/1/2028 to 12/1/2029 |

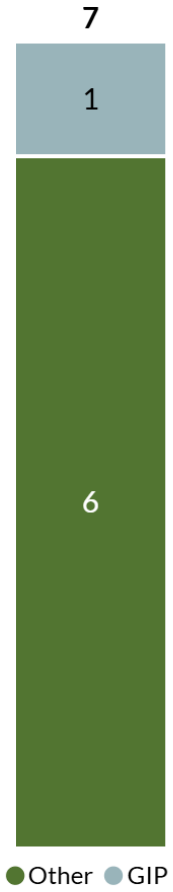
# Ameren Transmission Company of Illinois (ATXI) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# AMEREN TRANSMISSION COMPANY OF ILLINOIS

MTEP26 Projects

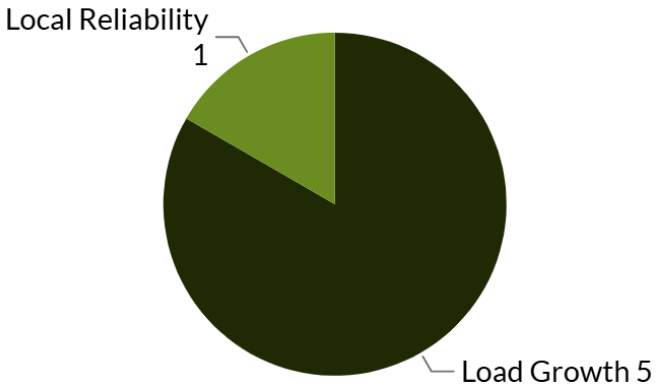



**7**
Total Projects

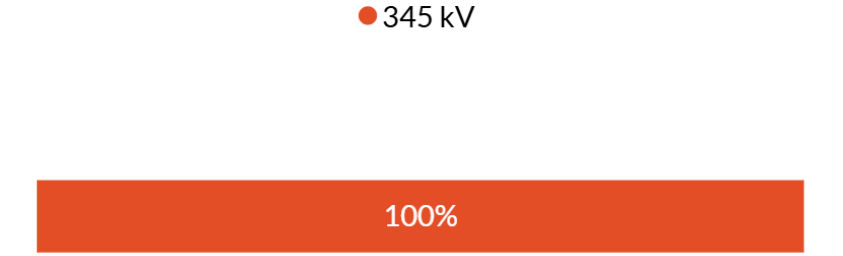
**$486M**
Investment

## Breakdown of Other Project Types

By Project Count

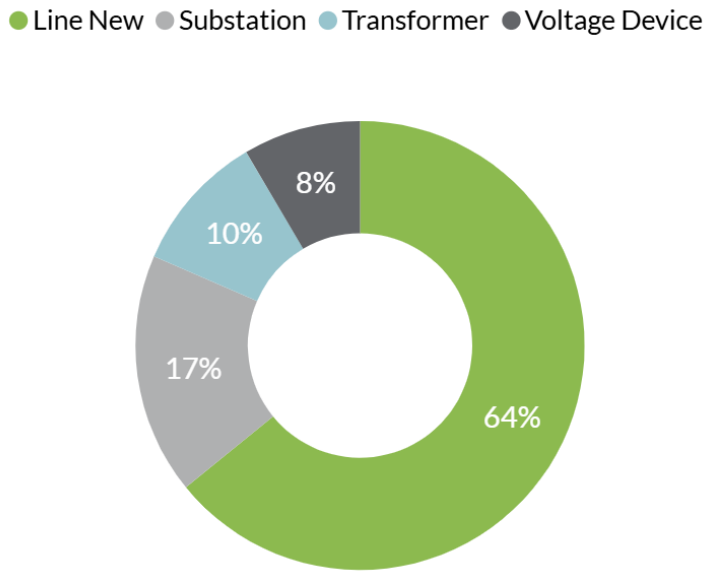



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

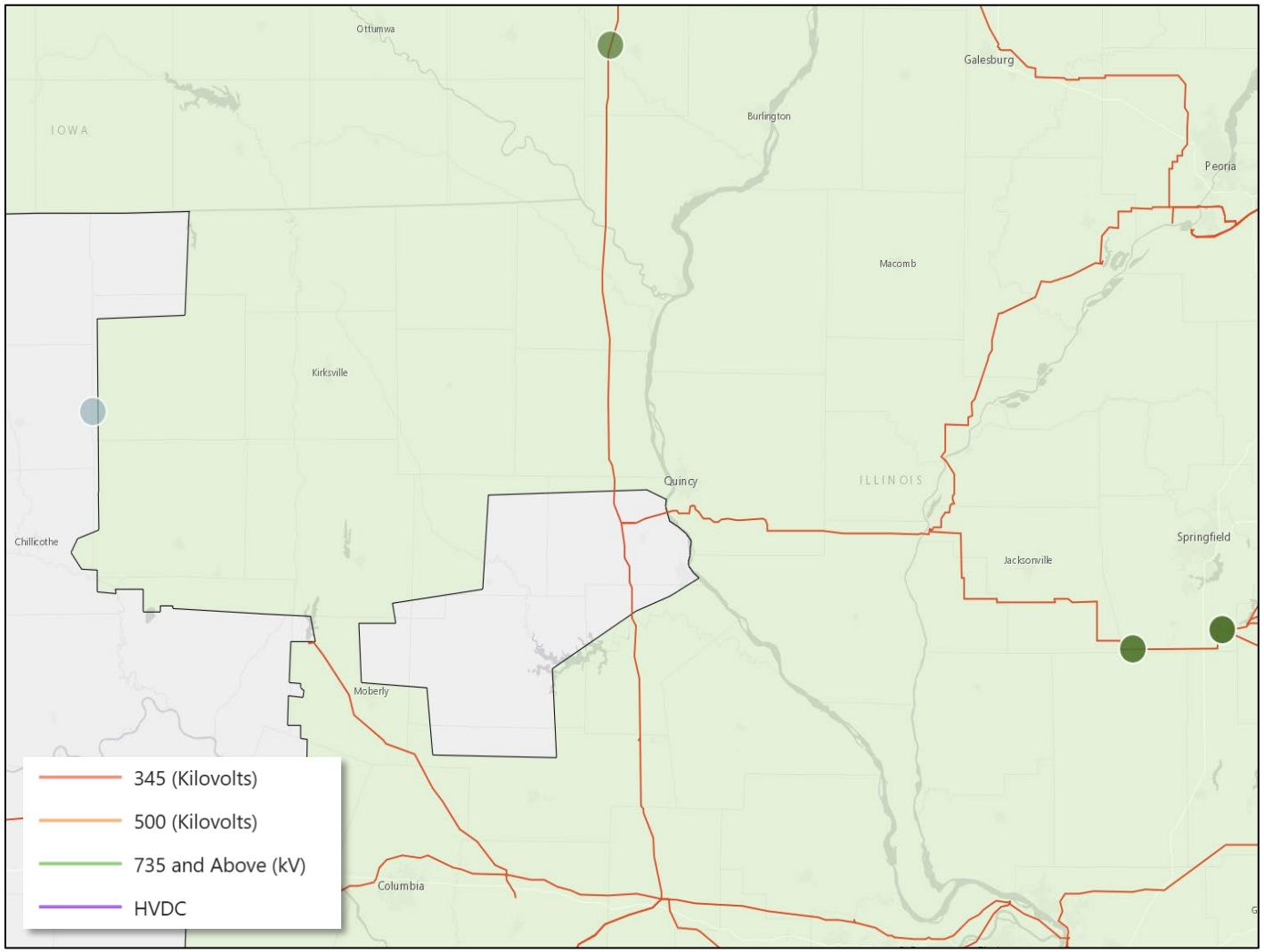


# Ameren Transmission Company of Illinois (ATXI) MTEP26 Project Type Breakdown

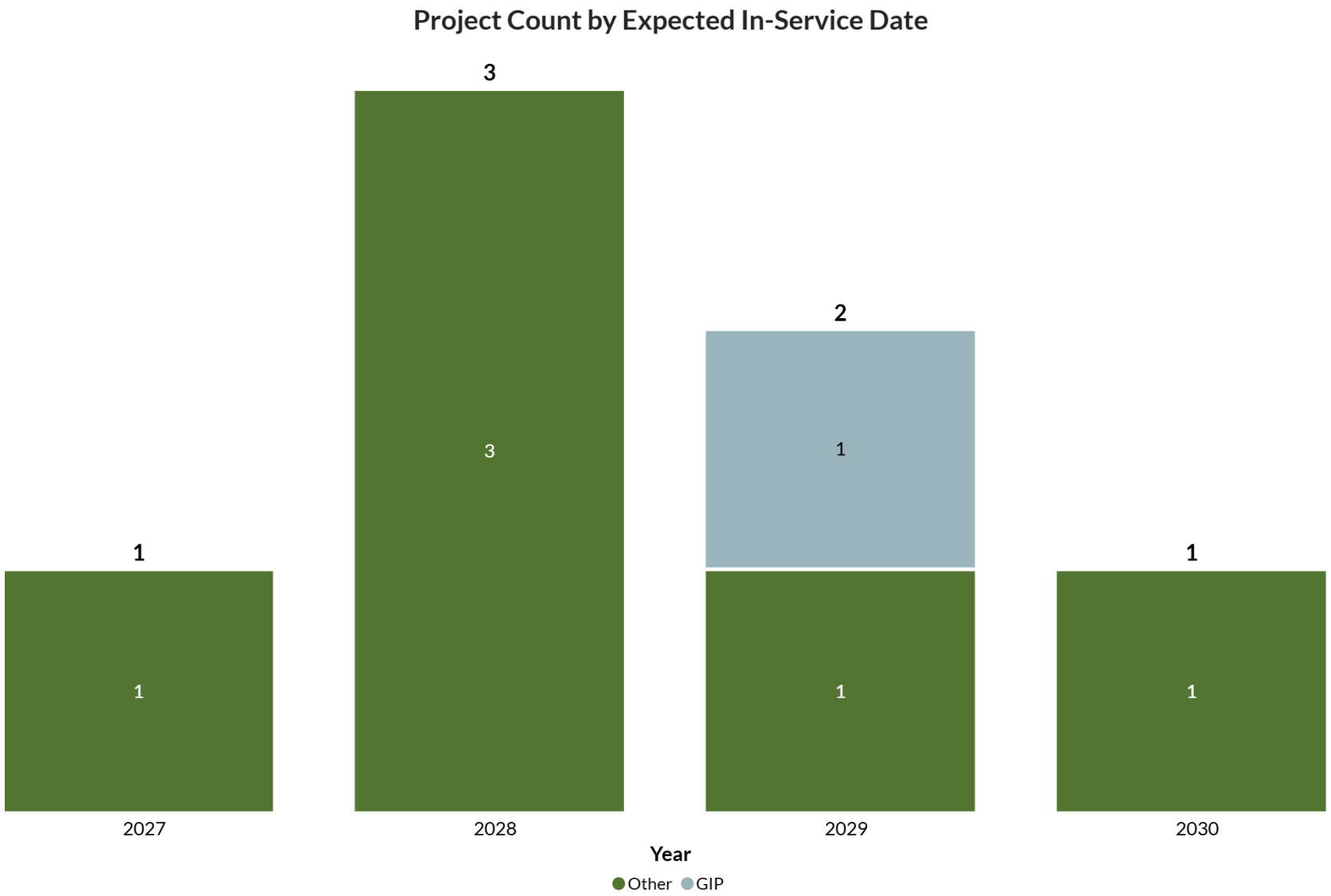
## AMEREN TRANSMISSION COMPANY OF ILLINOIS

MTEP26 Summary

| | |
|---|---|
| GIP | 1 |
| BRP | |
| Other | 6 |



# Ameren Transmission Company of Illinois (ATXI) MTEP26 ISD Breakdown



# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50735** | **New RECC Load Addition at Mogul 345 kV substation (Phase 2)** | **Load Growth** | **12/01/2028** | **$1.2 M** |
| **50736** | **New Load Addition at Austin 345 kV substation** | **Load Growth** | **12/01/2028** | **$12.0 M** |
| 50884 | Upgrade Saunders 345/69kV substation (Phase 2) | Local Reliability | 06/01/2029 | $50.0 M |
| **51303** | **New RECC Load Addition at Mogul 345 kV Substation (Phase 3)** | **Load Growth** | **12/01/2028** | **$18.6 M** |
| **51304** | **New Prairie Link 345 kV Load Addition** | **Load Growth** | **12/01/2030** | **$387.5 M** |
| **51313** | **New Prairie Link 345 kV Temporary Connection** | **Load Growth** | **12/01/2027** | **$2.0 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.

# Generator Interconnection Projects (GIPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51296 | New Greenbrier 345 kV Ring Bus on Denny - Zachary 345 kV line<br>Sullivan Renewable Energy Center (E0013) | 12/01/2029 | $15.0 M |

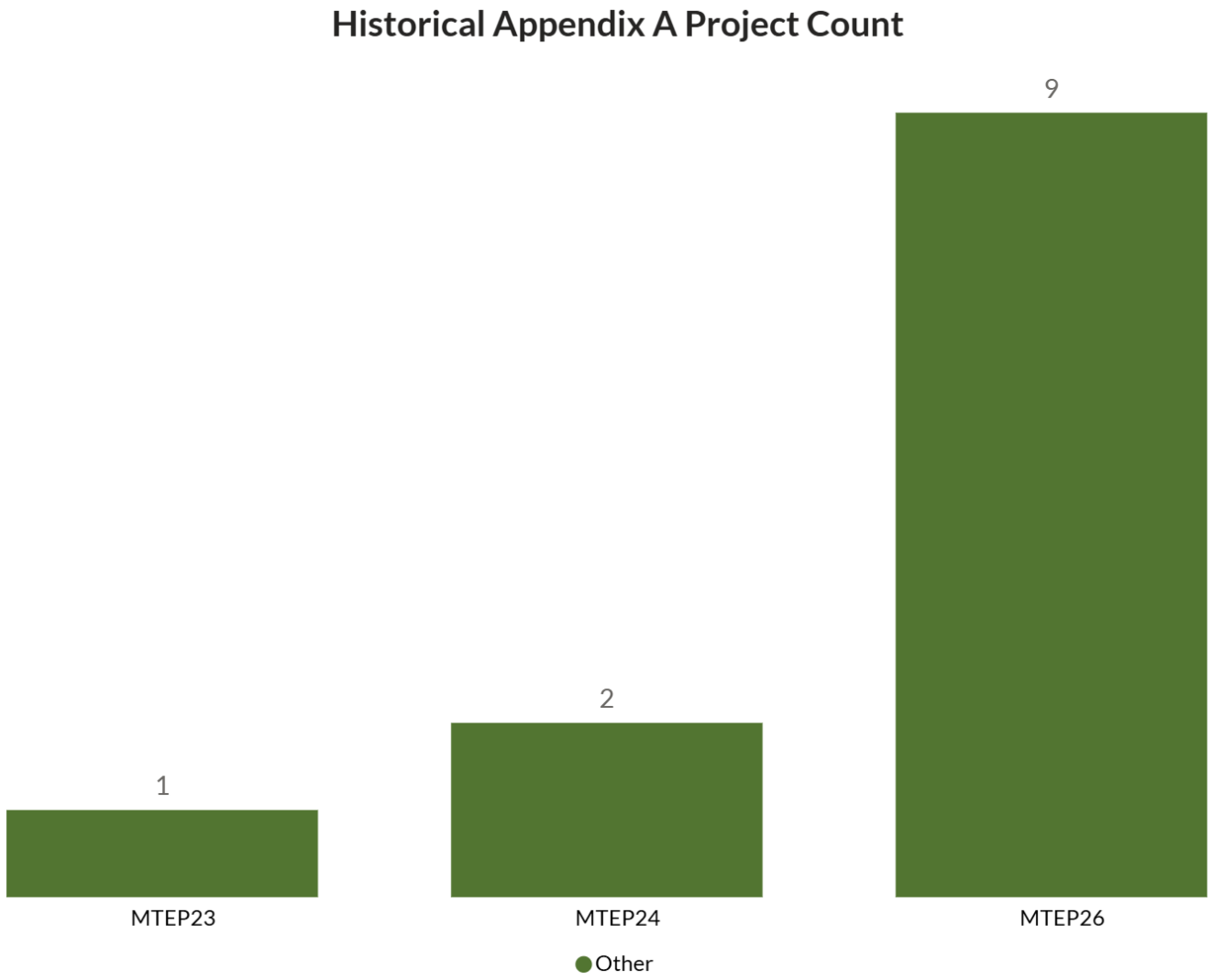
# Citizens Electric Corporation (CEC)



# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51105 | Rebuild Citizens 69kV Line (Groups A & B) | Other – Age and Condition | Project ISD changed from 12/31/2026 to 12/31/2027 |
| 51106 | Rebuild Citizens 69kV Line (Groups C & E) | Other – Age and Condition | Project ISD changed from 12/31/2026 to 12/31/2027 |

# Citizens Electric Corporation (CEC) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# CITIZENS ELECTRIC CORPORATION 1

## MTEP26 Projects

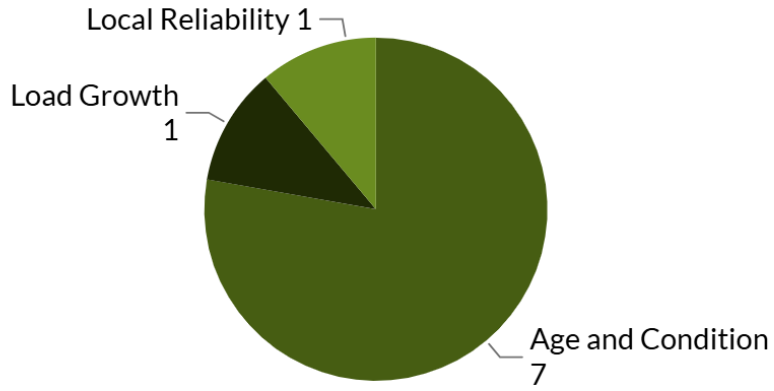



**9**
Total Projects

**$58M**
Investment

### Breakdown of Other Project Types

By Project Count

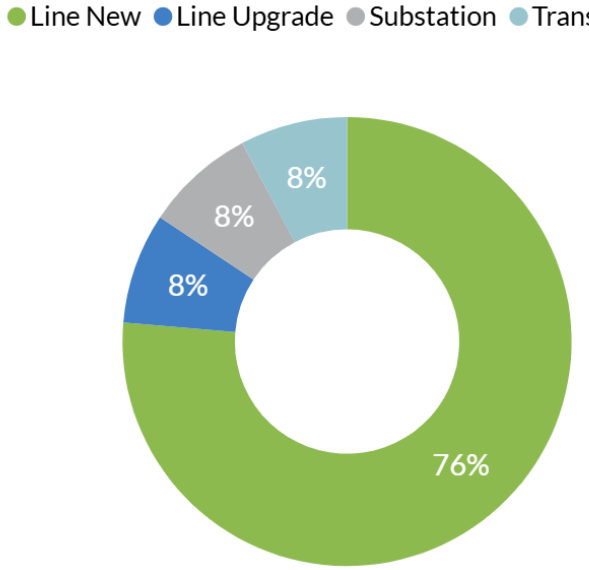



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost

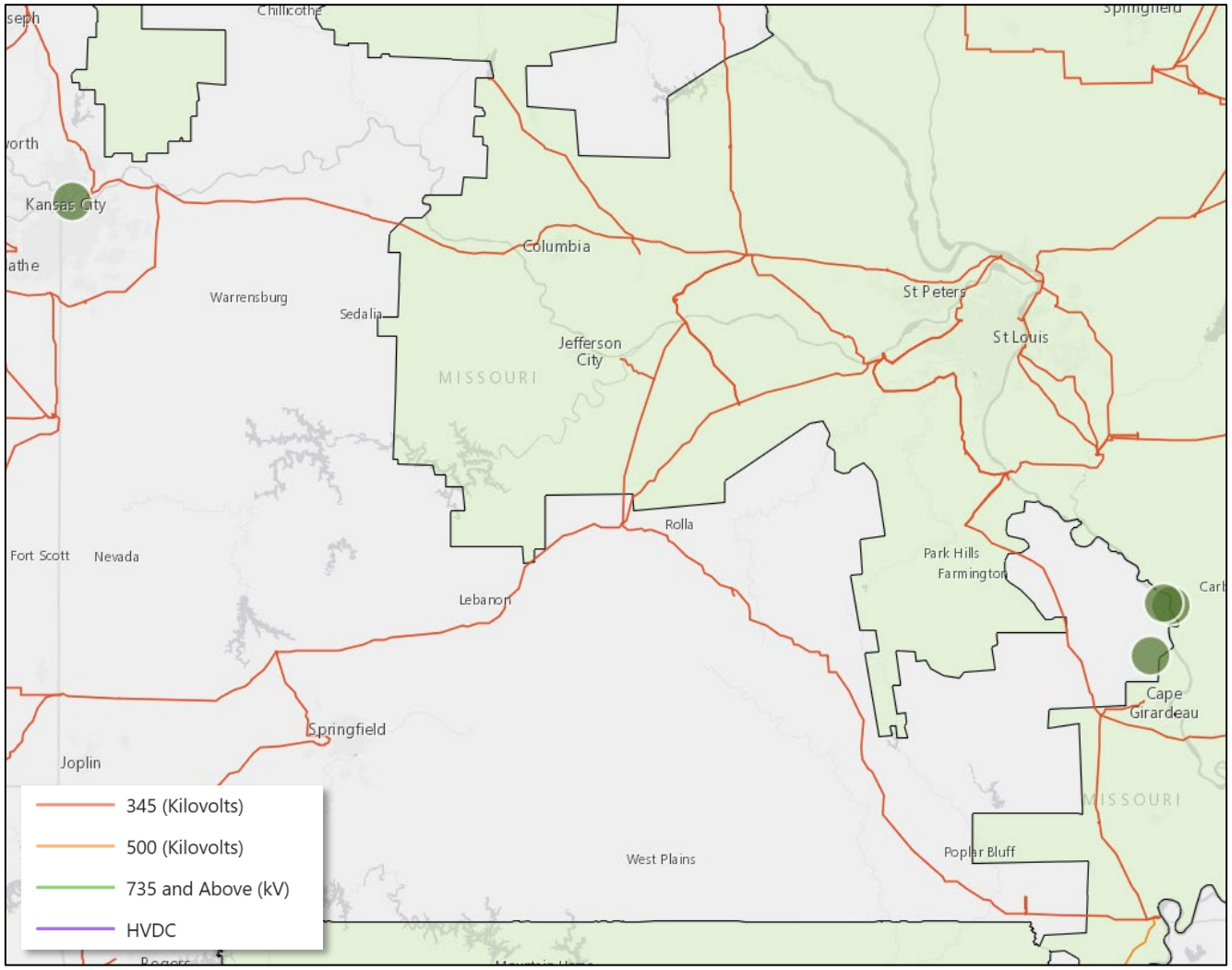


# Citizens Electric Corporation (CEC) MTEP26 Project Type Breakdown

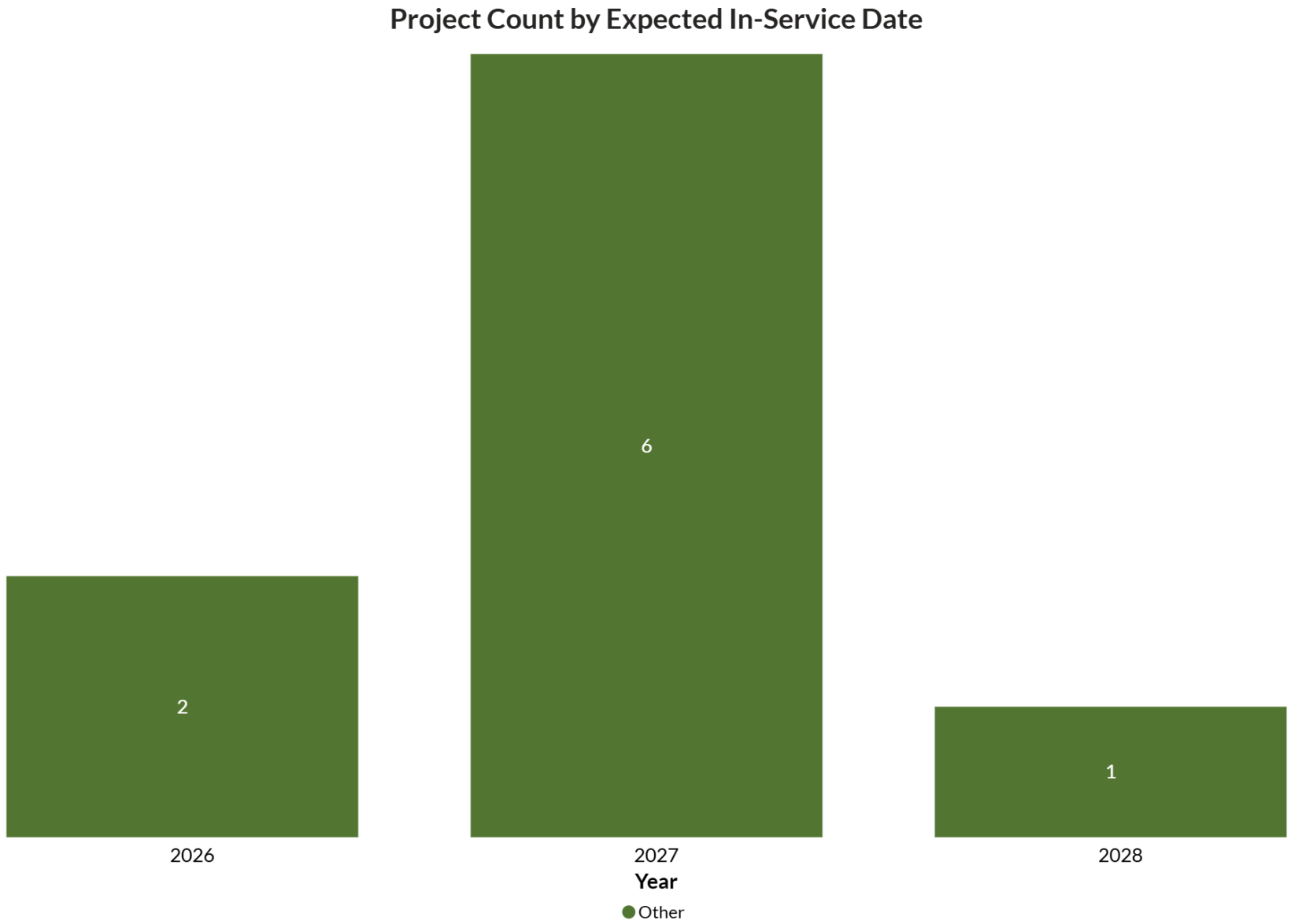
## CITIZENS ELECTRIC CORPORATION 1

MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | |
| Other | 9 |



# Citizens Electric Corporation (CEC) MTEP26 ISD Breakdown



# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50732** | **New Leemon 69 KV substation for load addition** | **Load Growth** | **06/01/2027** | **$2.8 M** |
| **50796** | **Repair Wittenberg 138 kV Switching Station Access Road** | **Age and Condition** | **04/01/2027** | **$1.5 M** |
| **50797** | **Remediate Grand Tower 138 kV Foundation Erosion** | **Age and Condition** | **04/01/2027** | **$1.5 M** |
| 50977 | Replace New Bourbon 138 kV/69 kV transformer #1 | Age and Condition | 12/31/2028 | $4.5 M |
| 51091 | MTEP26 Transmission Pole Replacement Program, 138kv-69kV, various locations. | Age and Condition | 12/31/2026 | $0.9 M |
| 51105 | Rebuild Citizens 69kV Line (Groups A & B) | Age and Condition | 12/31/2027 | $1.6 M |
| 51106 | Rebuild Citizens 69kV Line (Groups C & E) | Age and Condition | 12/31/2027 | $0.7 M |
| 51108 | Upgrade New Bourbon bus tie breaker (B40) | Age and Condition | 12/31/2026 | $0.4 M |
| 51325 | New Valley View-Salem Bulk 69 kV line | Local Reliability | 12/31/2027 | $44.5 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.

# Questions?



Dave Seelye
Engineer – Expansion Planning

Amanda Schiro
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

MISO

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




# MTEP26 Reliability Planning Scope Overview

East Subregional Planning Meeting (ESPM)

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Present MISO's final MTEP26 project recommendations for December Board approval

## Key Takeaways

- Of those, 63 are proposed in the East region

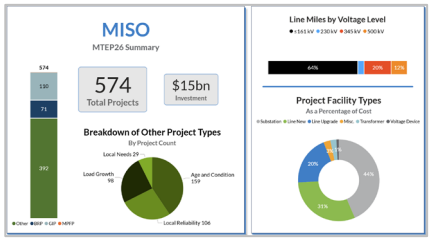
MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026

# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

**Local Reliability Journey Begins Here**

**TO/MP Submit Project Proposals**
***Sept. 15th***

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**We are here (SPM3)**

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

MTEP Report

| 2025 | | | | | | | | | | | | 2026 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

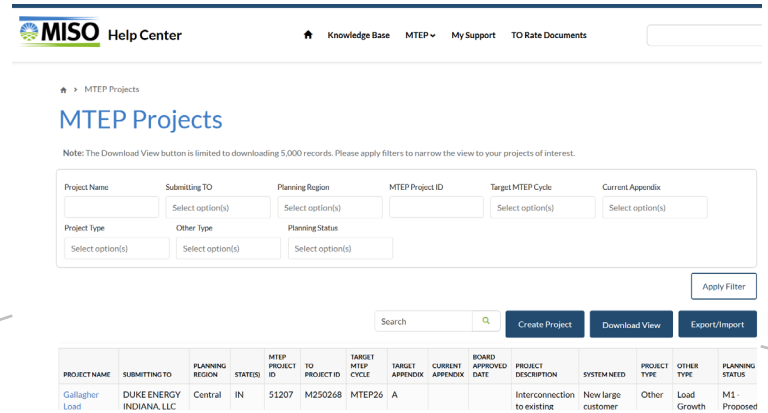
**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

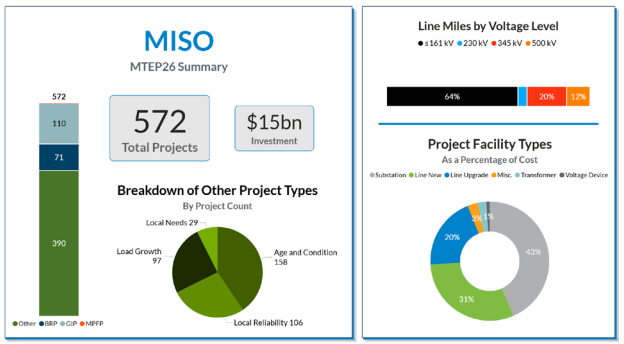
**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

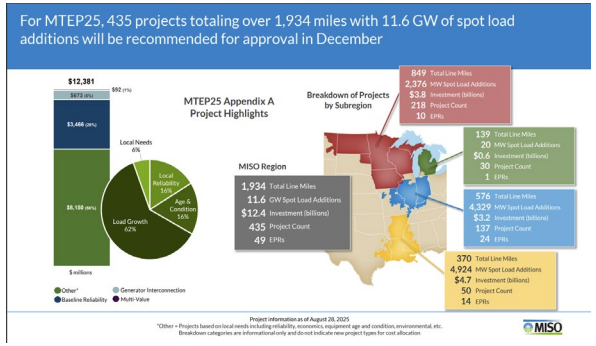
**Present Day**



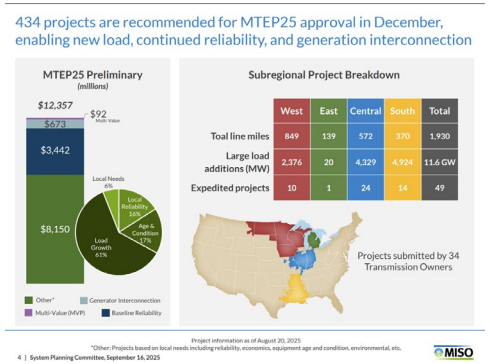

## Subregional Planning Meeting (SPM)



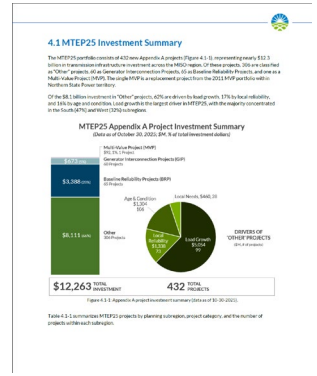

## Planning Advisory Committee (PAC)

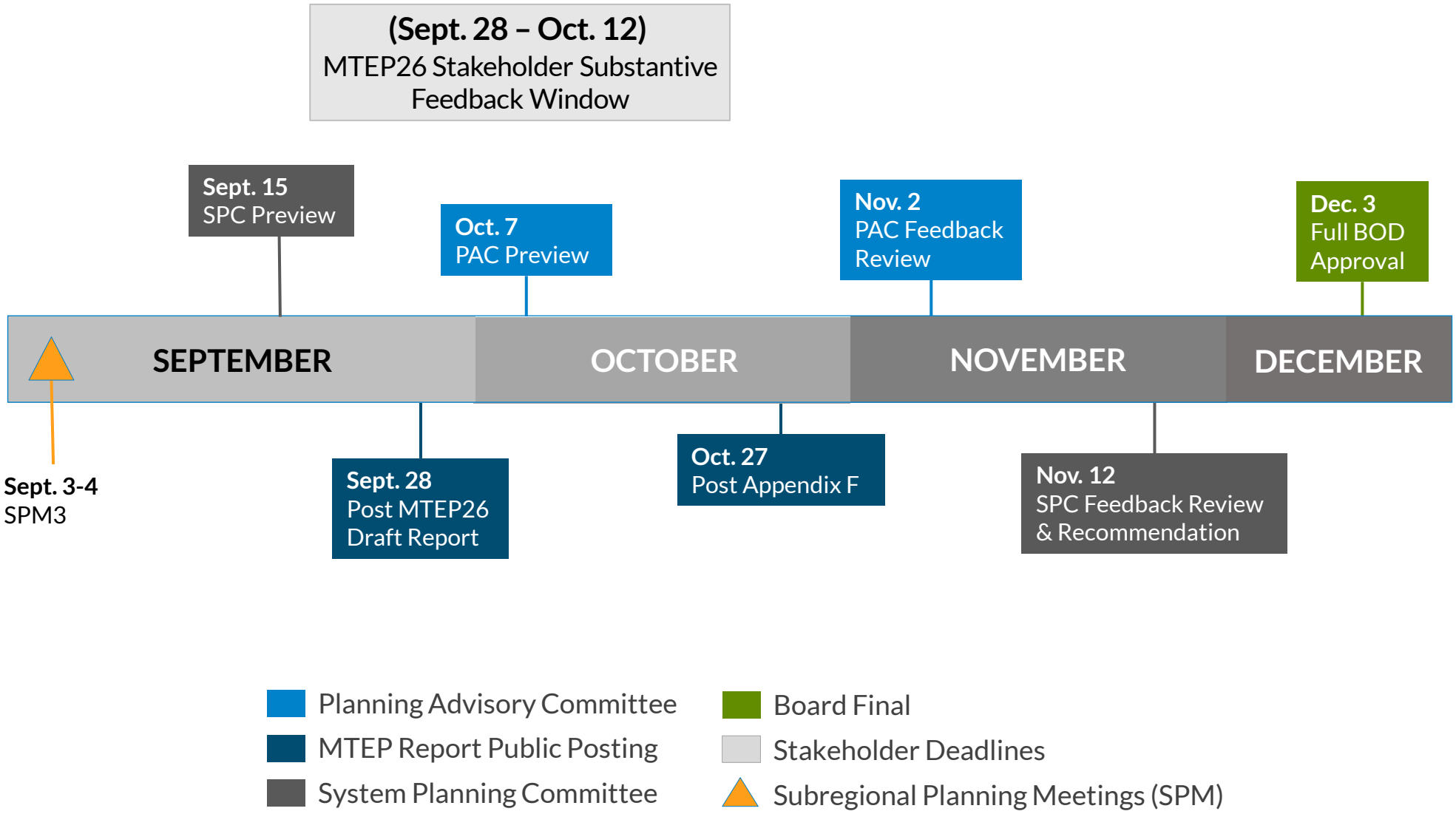



## System Planning Committee (SPC)




## Official MTEP Report






Dates as of 5/15/2026

- Each year, in accordance with Section 2.8.2.1 of the MISO Transmission Planning Business Practice Manual, MISO requests feedback regarding the study scope for the MISO Transmission Expansion Plan (MTEP).
- While the MTEP scope is fixed in part by provisions of the Owners Agreement, Tariff, and Business Practices Manuals, additional study items may be added, as necessary, from cycle-to-cycle.
- In addition to the core MTEP studies, MISO will resume the Long-Range Transmission Planning study under LRTP Midwest.
- MISO will continue Interregional Planning study efforts with SPP and PJM.
- Scope input received in stakeholder forums will be presented for discussion at the Planning Advisory Committee later this fall.

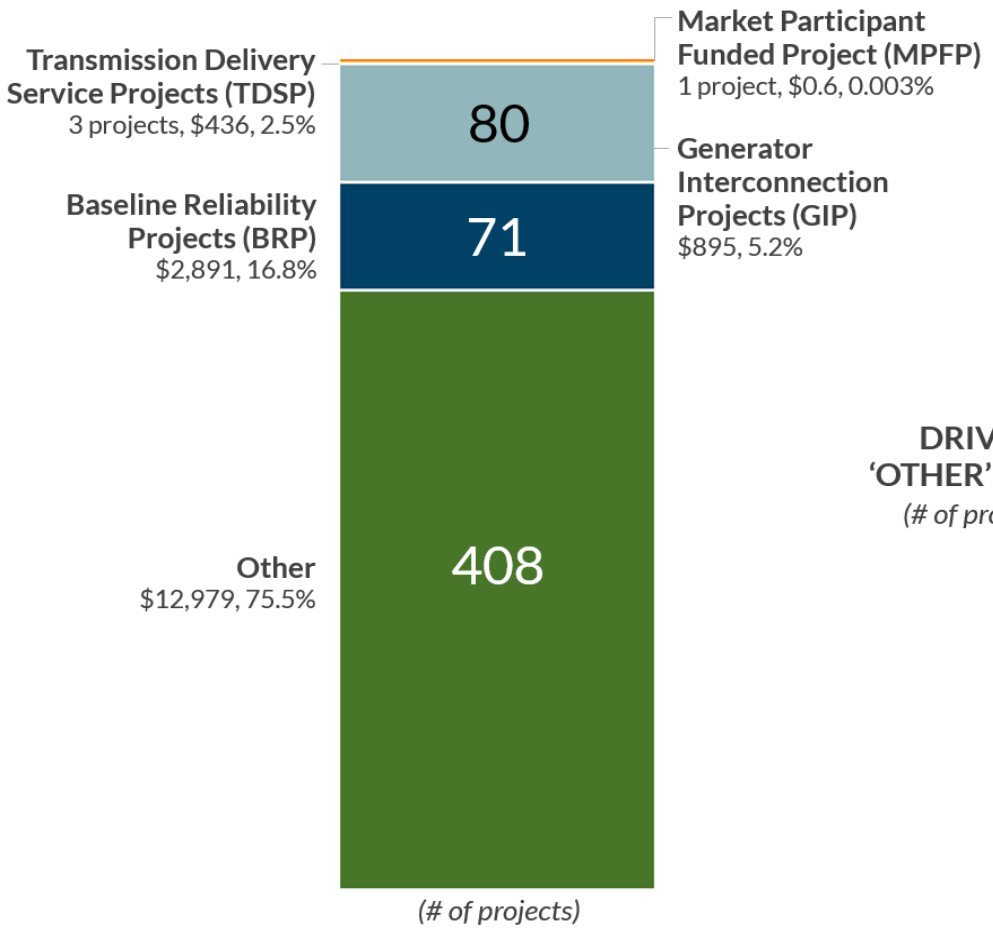
- MISO requests feedback by October 29, 2026, on MTEP27 study scope focus on additional/modified planning study work.
- Feedback requests and responses are managed through the Feedback Tool on the MISO website: https://www.misoenergy.org/engage/stakeholder feedback/
  - For comments on MISO's planning policies or processes, use the *Informal Feedback* request on the tool.

# MTEP26 Overview



# MTEP26 Appendix A Project Portfolio Summary

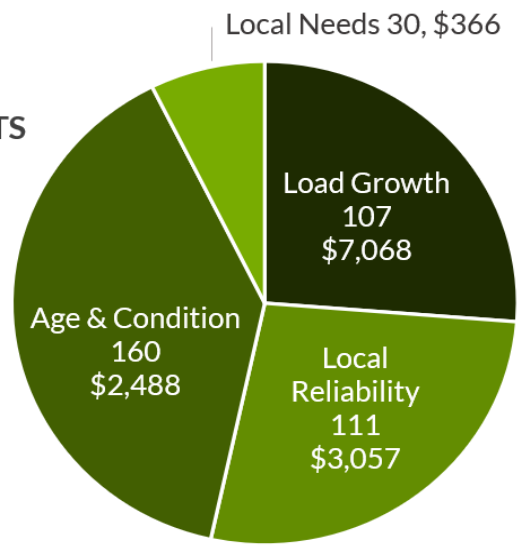
*(Data as of August 19, 2026; # of projects, $M, % of total investment dollars)*



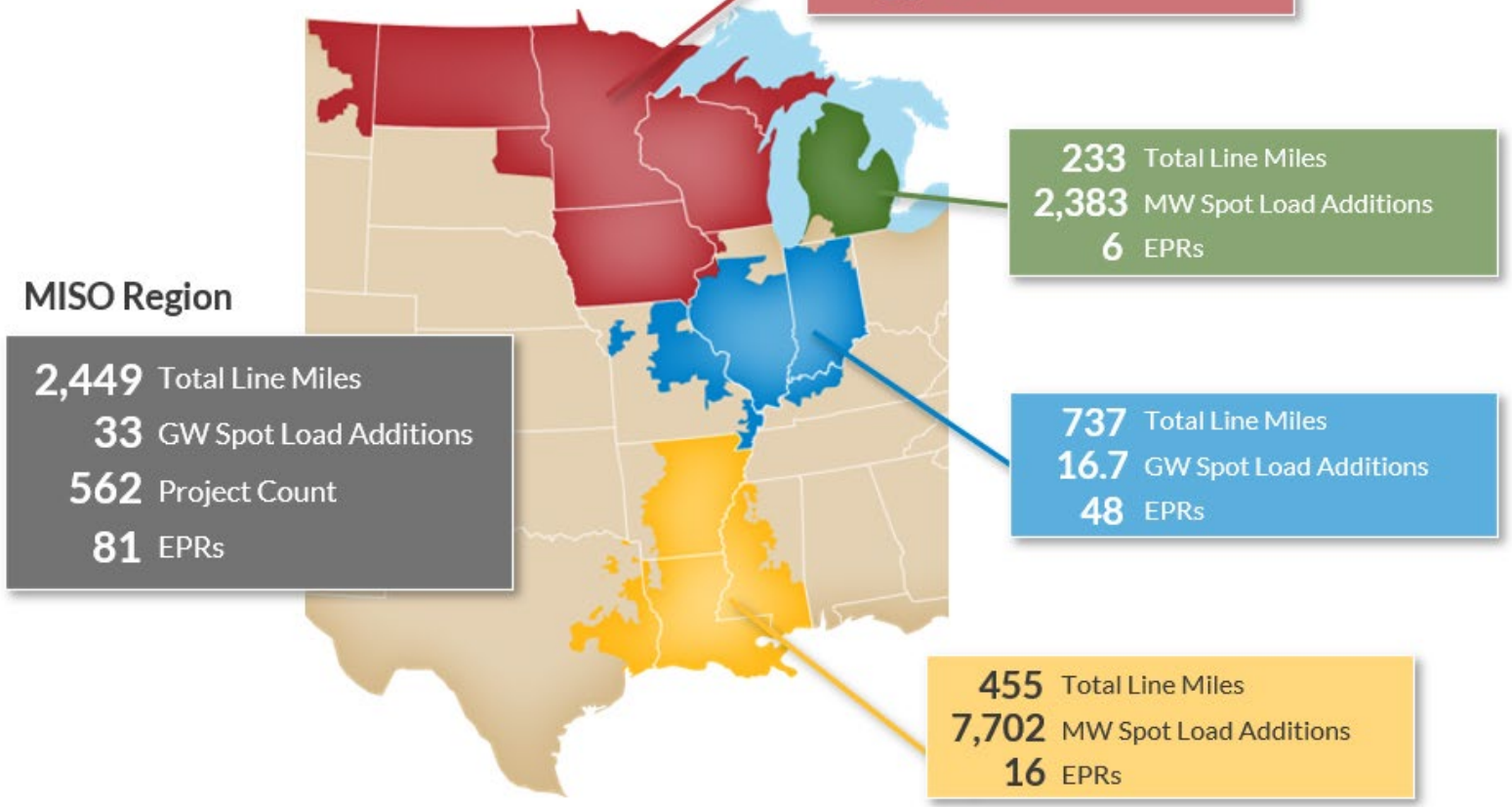

**562**
Total Projects

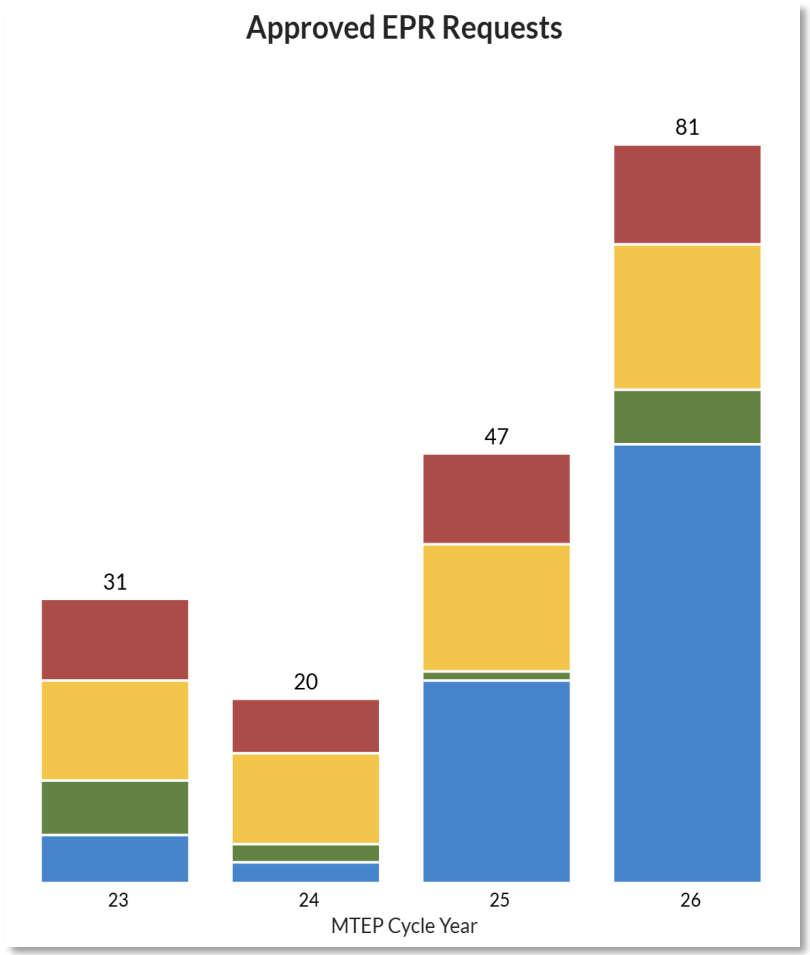
**$17,202**
Total Investment ($M)

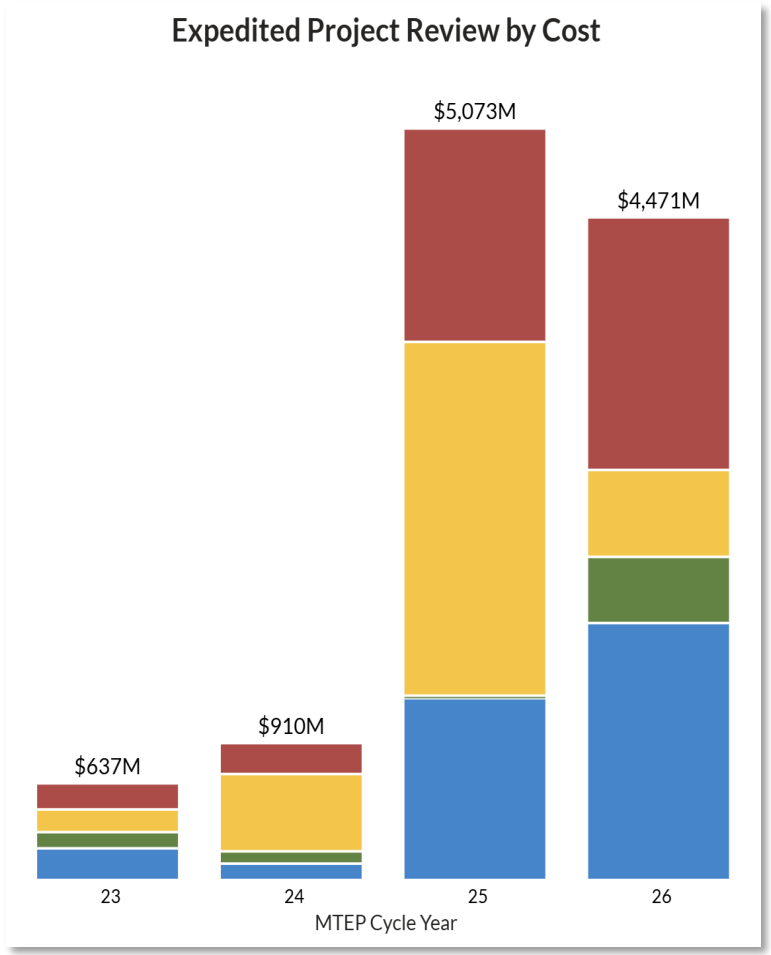
**DRIVERS OF 'OTHER' PROJECTS**
*(# of projects, $M)*

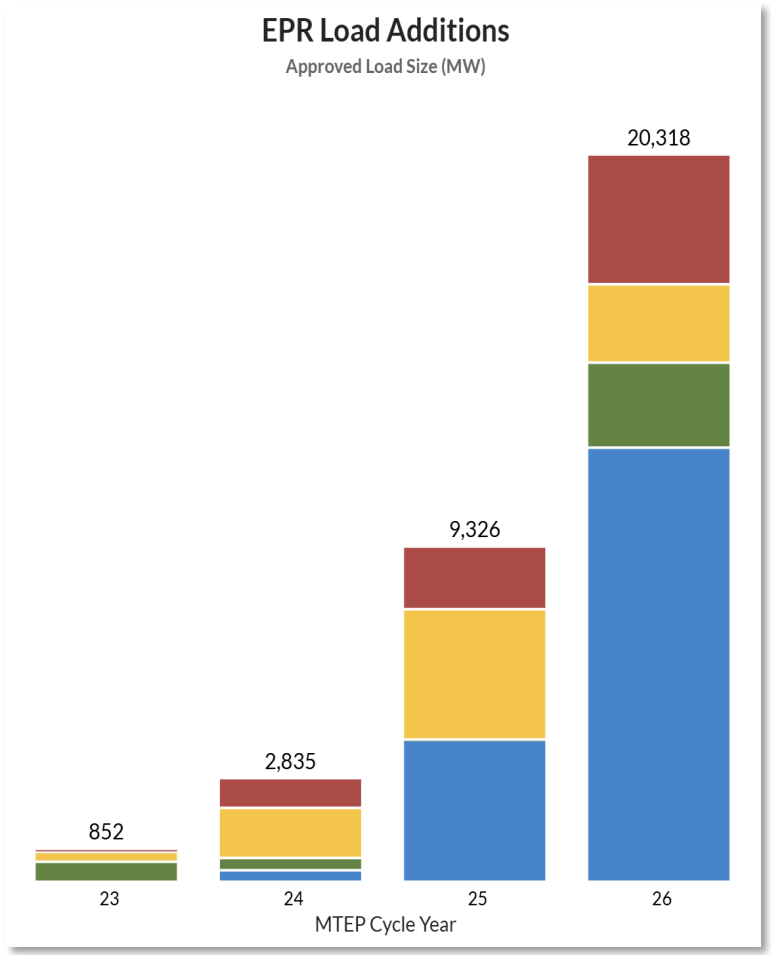


## Breakdown of Projects by Subregion





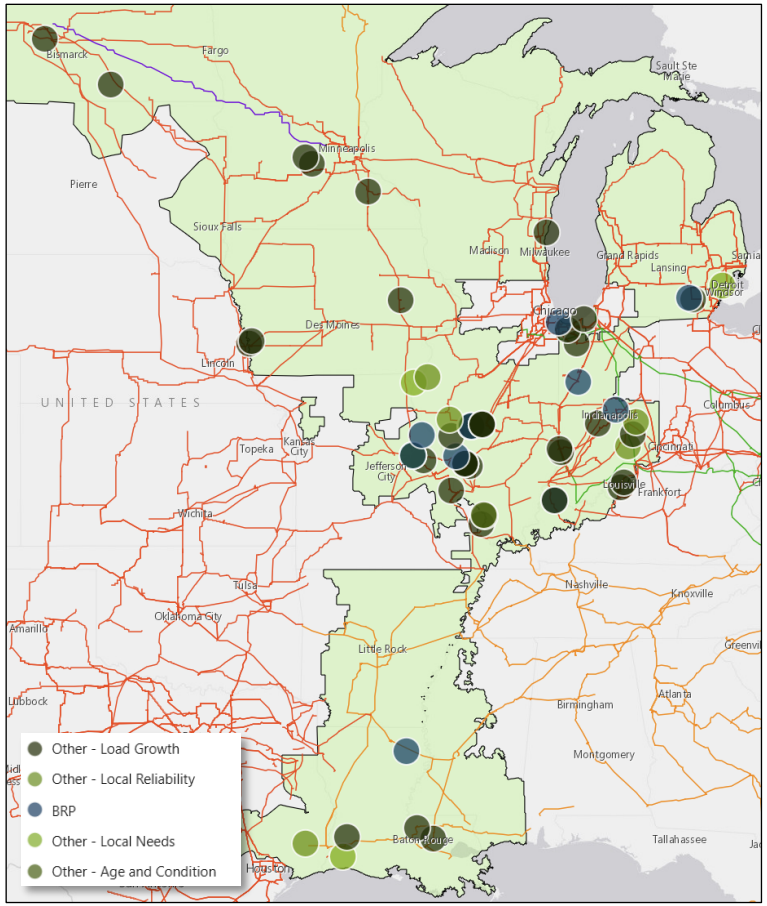



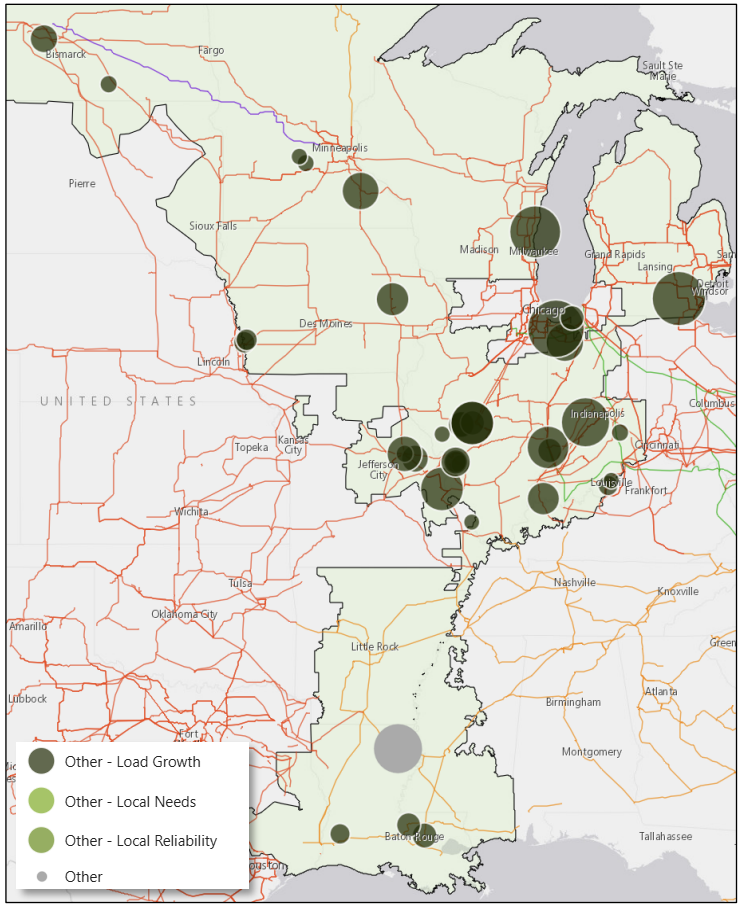

West East Central South

Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

# MTEP26 EPR Locations




# MTEP26 EPR Spot Load Locations

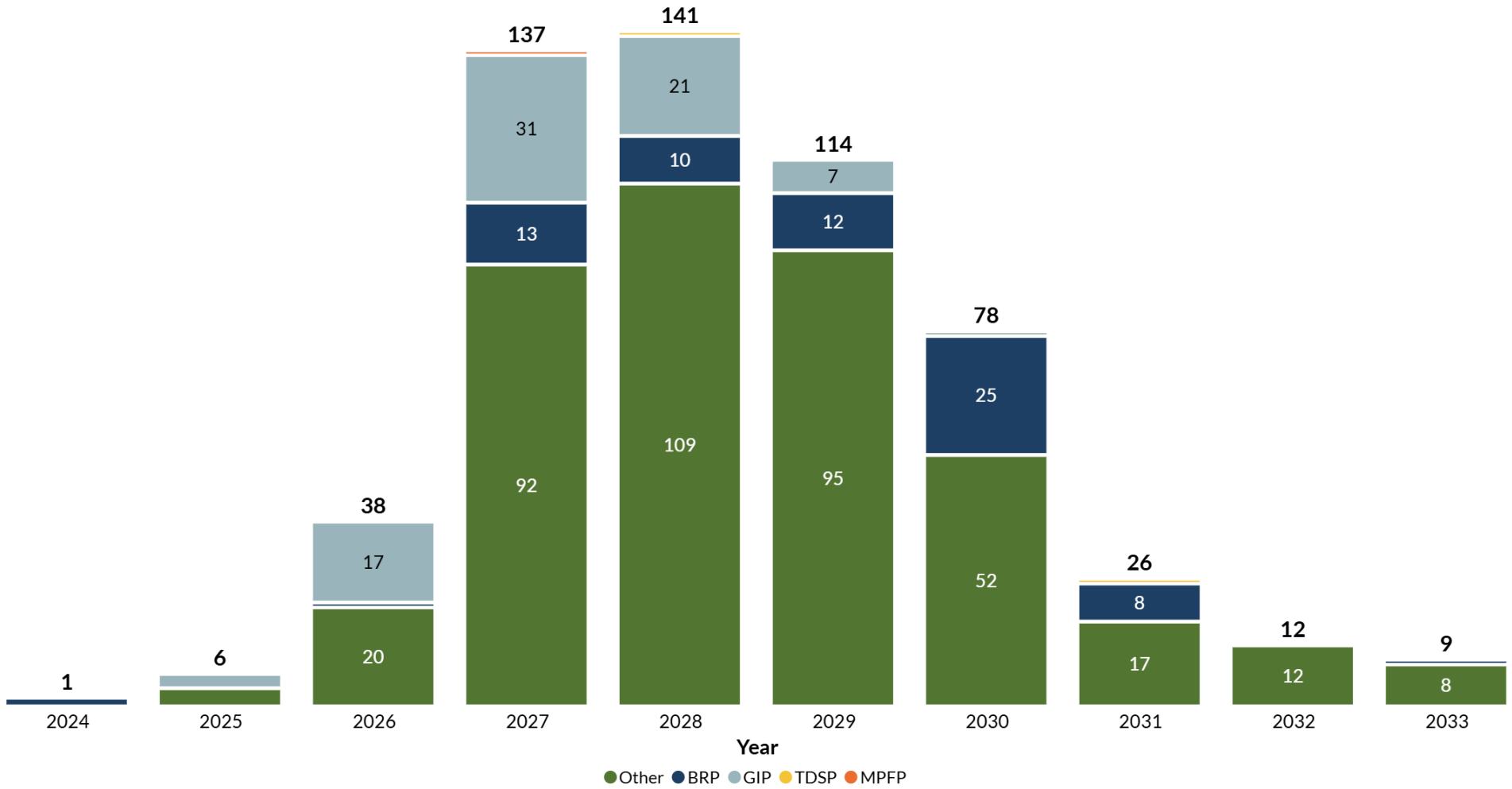



*Scaled by Load Size*

| Upcoming EPR Schedule | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| September 8, 2026 | |
| October 6, 2026 | October 1, 2026 |
| November 3, 2026 | |
| December 1, 2026 | December 1, 2026 |

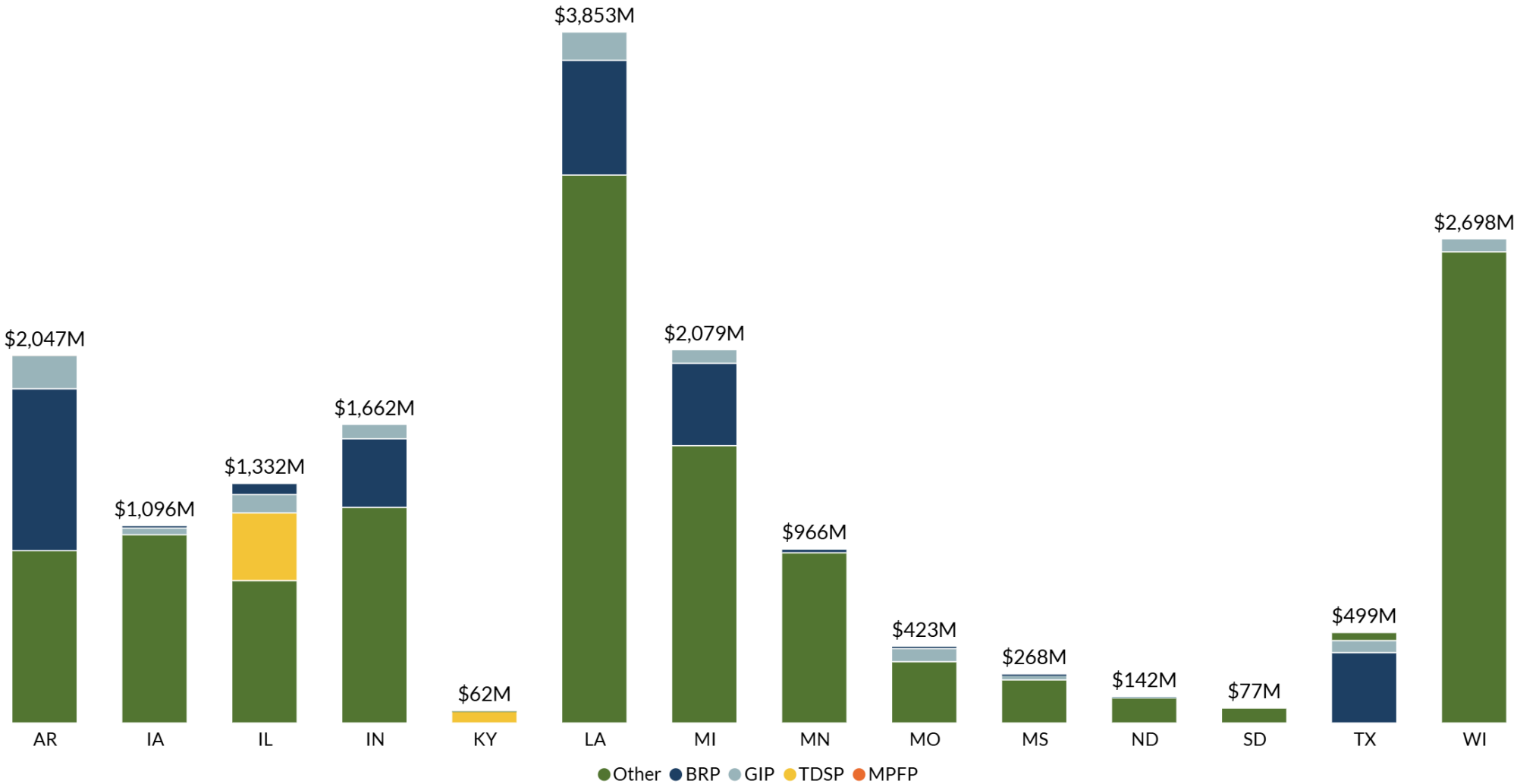
Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

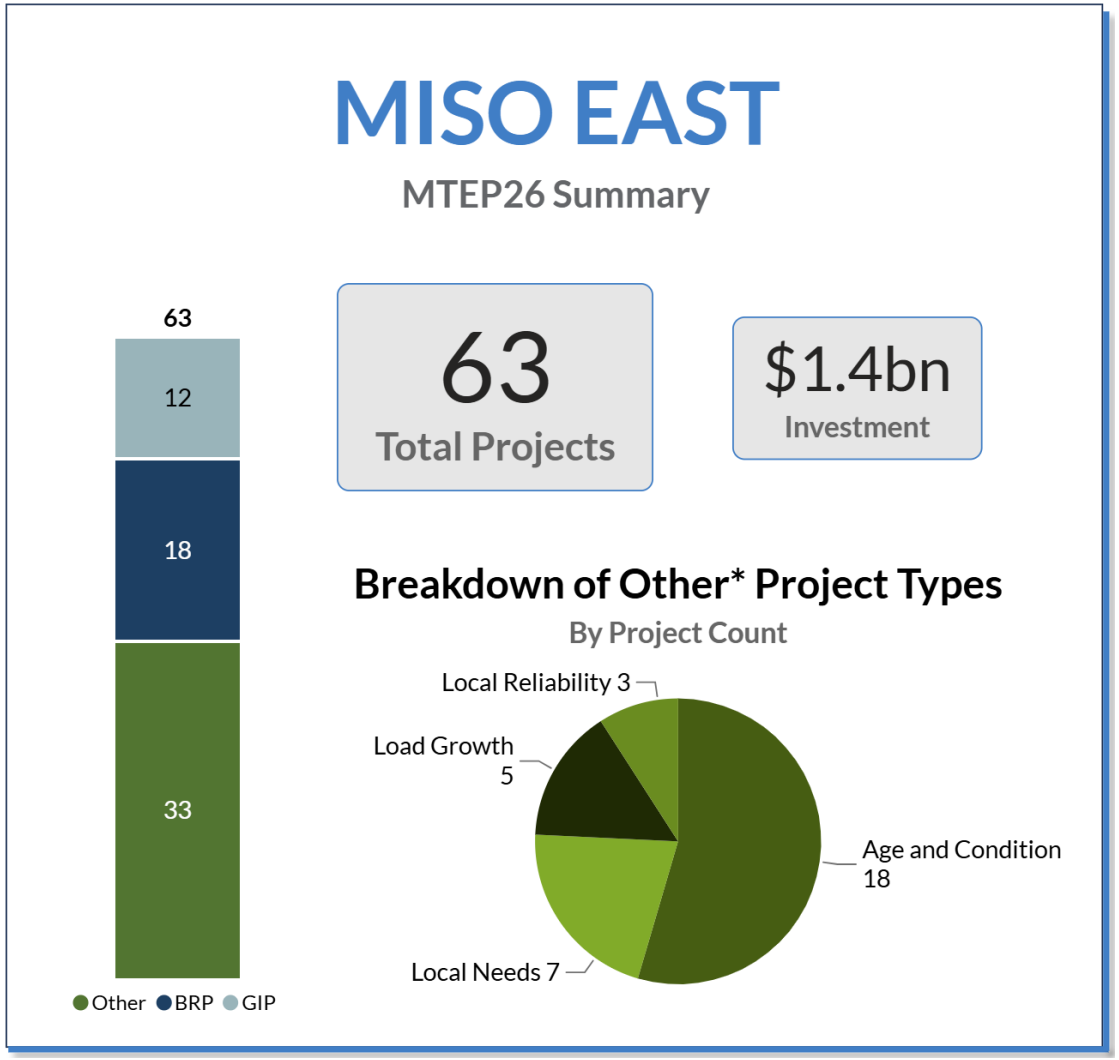
## Project Count by Expected In-Service Date



# MTEP26 Investment By State

By Project Type






## Key Region Insights

- Age and Condition projects remain a high priority
- Load withdrawal has impacted the assessment of transmission needs in the area
- There is a concentration of the projects in the southern Detroit metro area

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MTEP Portal.
Project information as of 8/19/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.

## Things to keep in mind as all MISO Planners present individual TO presentations

- Present projects submitted for MTEP26 approval and describe any proposed alternatives
- MISO identified N-1-1 reliability issues and is developing corrective action plans with collaboratively with TOs
- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026. To view all MTEP project details, please visit the MTEP Portal.
- Today's recommended project information will be used in the MTEP26 Report

## Next Steps

### MISO

- Continue independent reliability assessment to identify solutions for issues seen in the paired contingency runs
- Finalize the MTEP26 Report
- Recommend MTEP26 projects for Board of Directors approval

### Stakeholders

- Provide inputs on identified issues from the paired contingency runs
- Provide input on the MTEP26 Report (Publish date is scheduled for Sep. 28, stakeholder feedback window is Sep. 28 – Oct. 12)

# Questions?



MISO

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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# MTEP26 Project Information
# ITC Transmission (ITCT)

**CORRECTION: Slide 16, 50841 Rebuild Navarre-DBGEN Tap-Waterman 230kV Line**
**CORRECTION: Slide 25, Baseline Reliability Projects (BRPs) Summary**

3rd East Subregional Planning Meeting

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



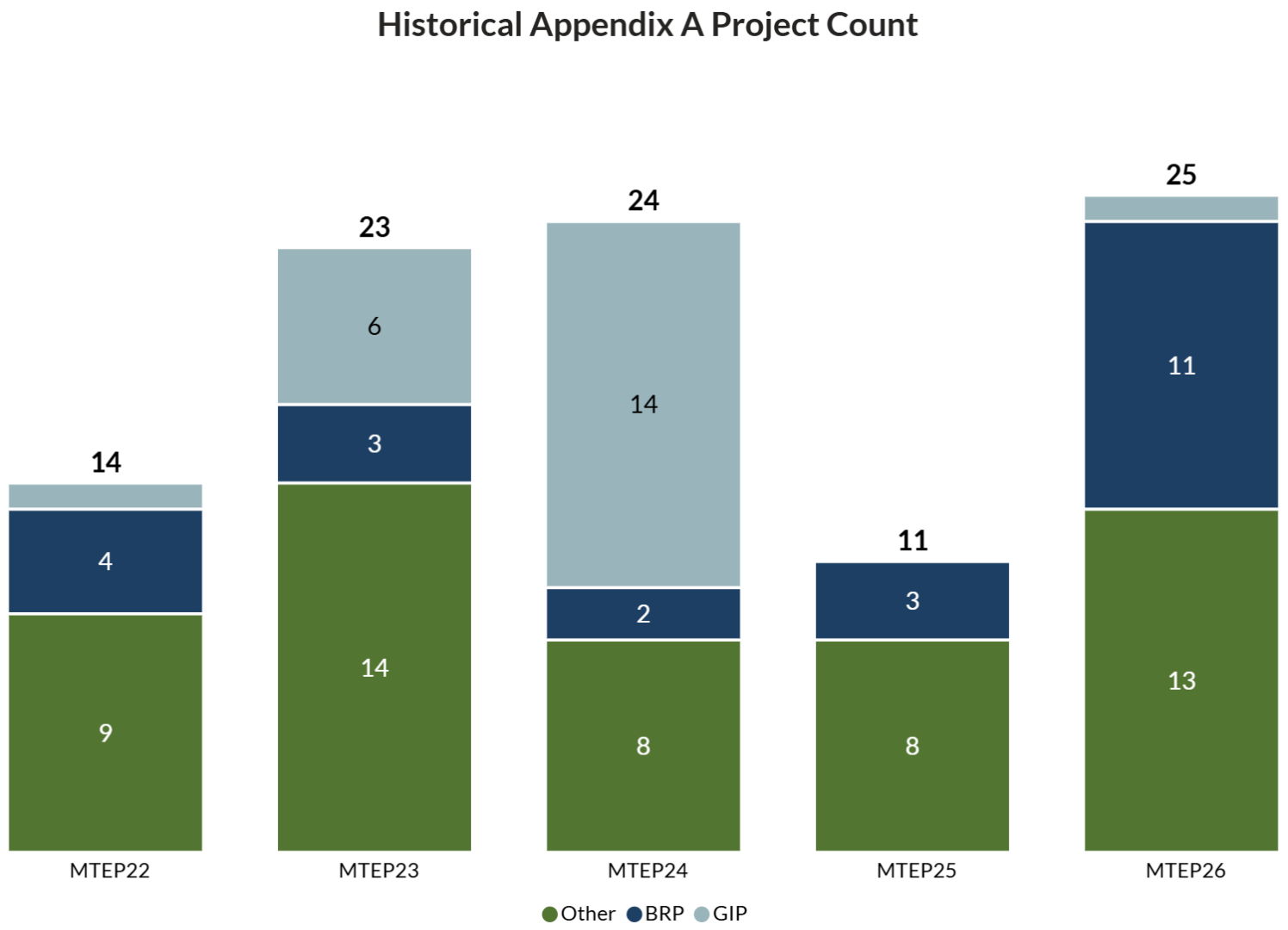
# The details of the ITC Transmission (ITCT) projects and their costs are shown below:

- 25 submitted projects at an estimated cost of $813 million

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50851 | Rebuild Toll Road - Vital 120kV Line | Other – Age and Condition | Project cost decreased from $26M to $19M |

# ITC Transmission (ITCT) Historical Appendix A data, including submitted MTEP26




Project information as of 8/19/26.

# ITC

## MTEP26 Projects

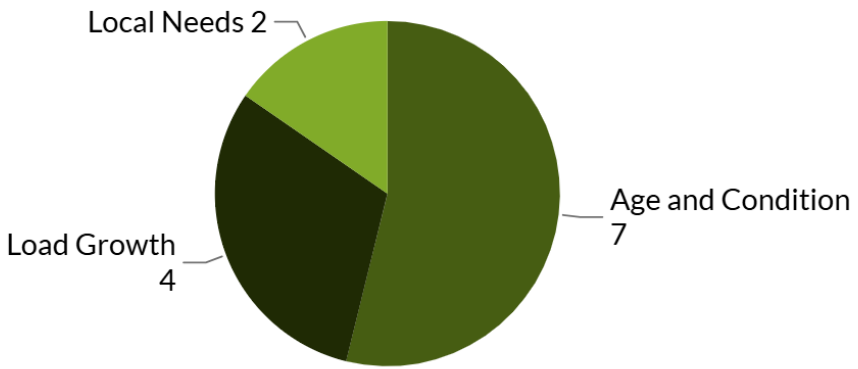
**25**
Total Projects

**$813M**
Investment

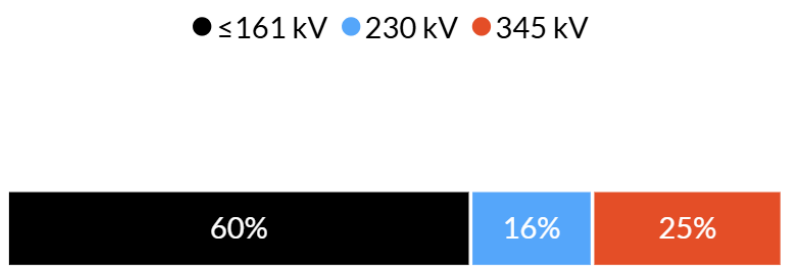



## Breakdown of Other Project Types

By Project Count

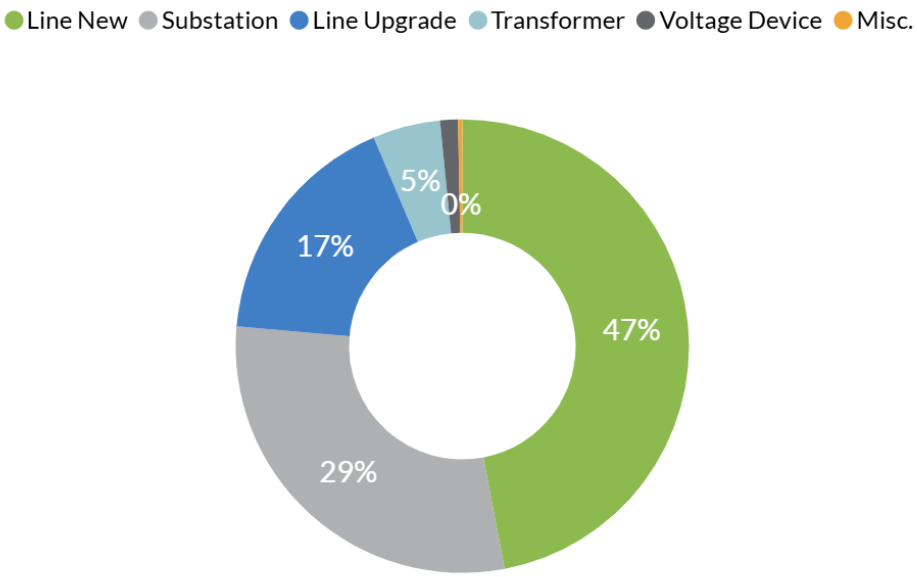



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

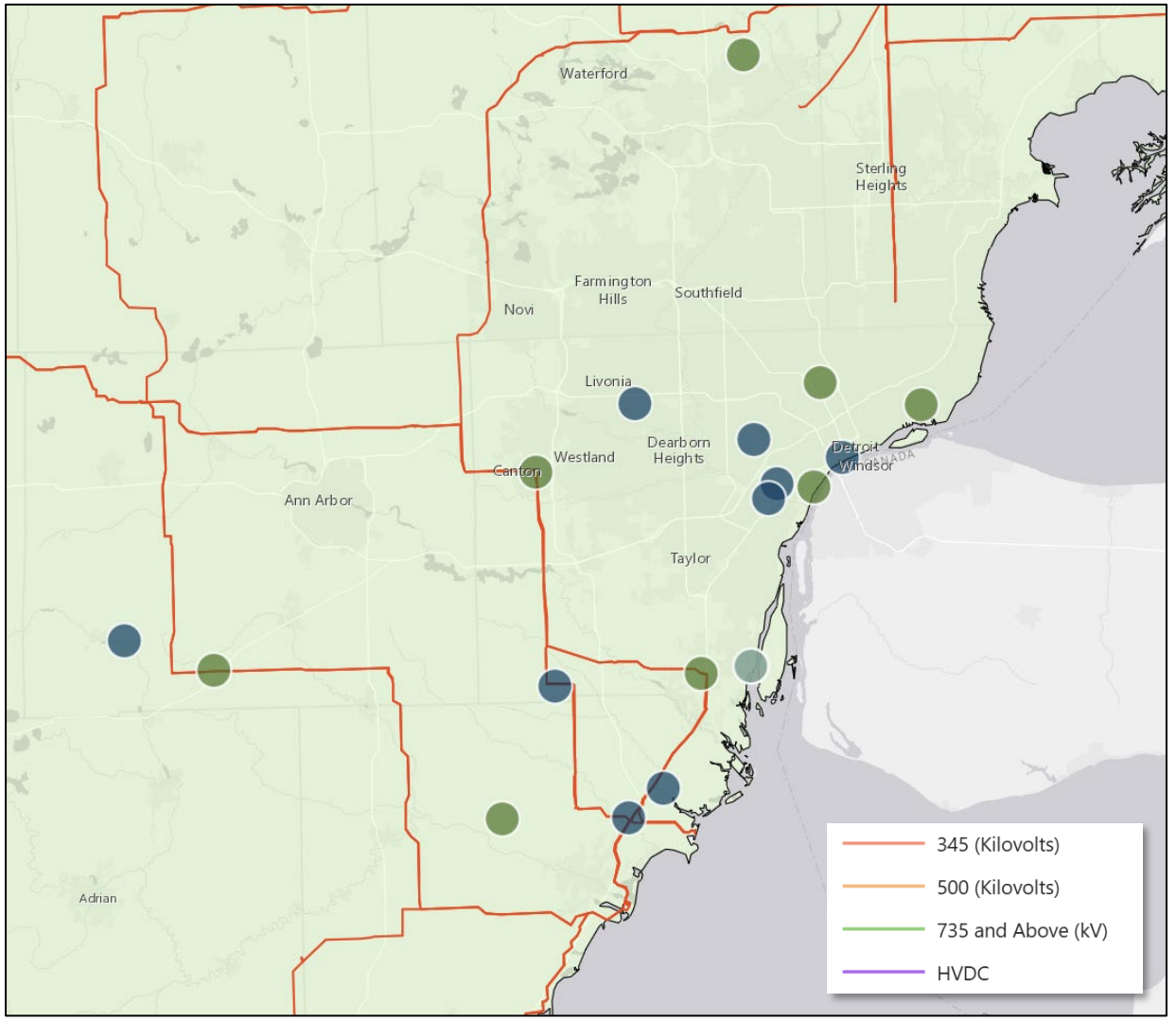


# ITC Transmission (ITCT) Project Type Breakdown

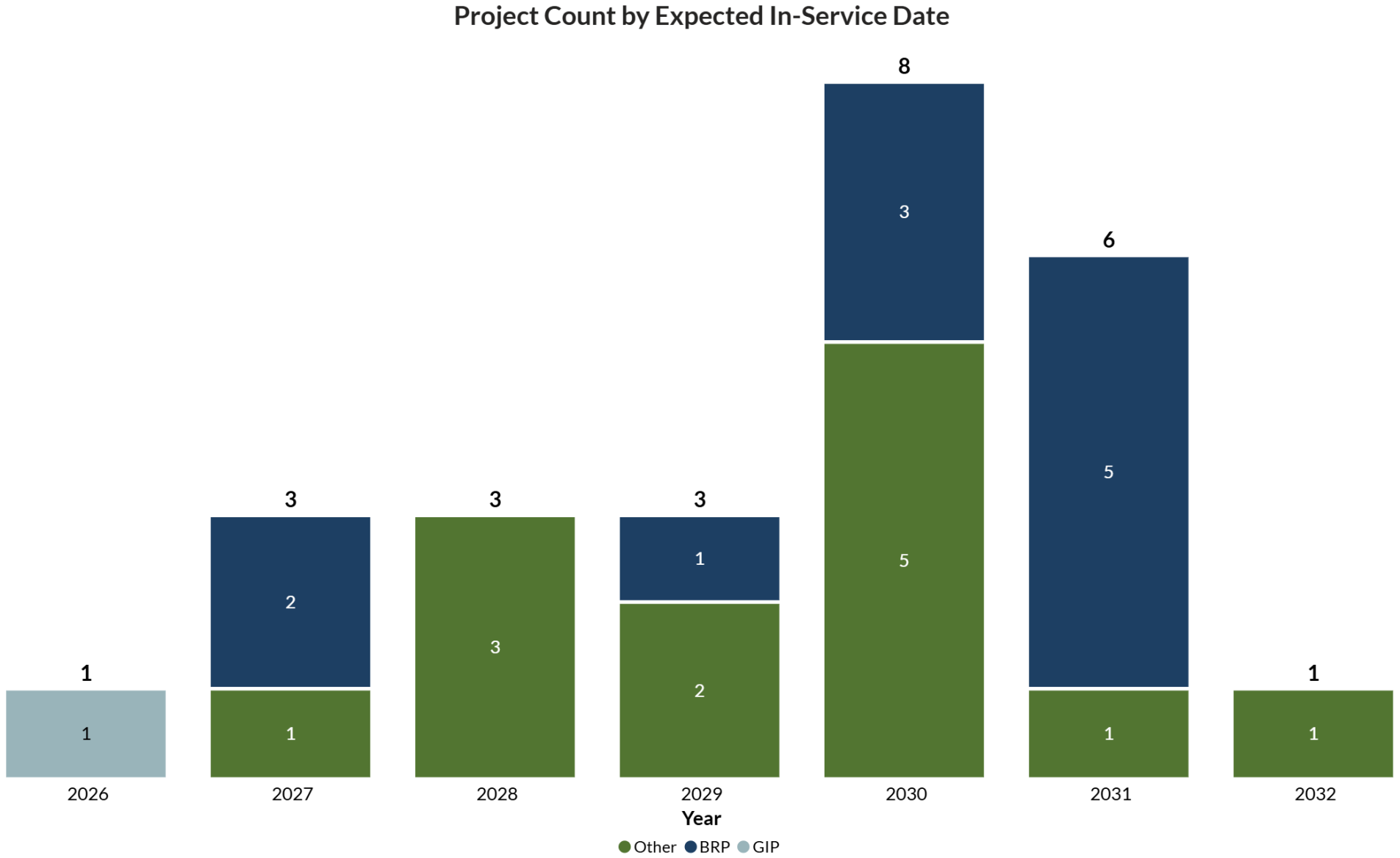
## ITC

MTEP26 Summary

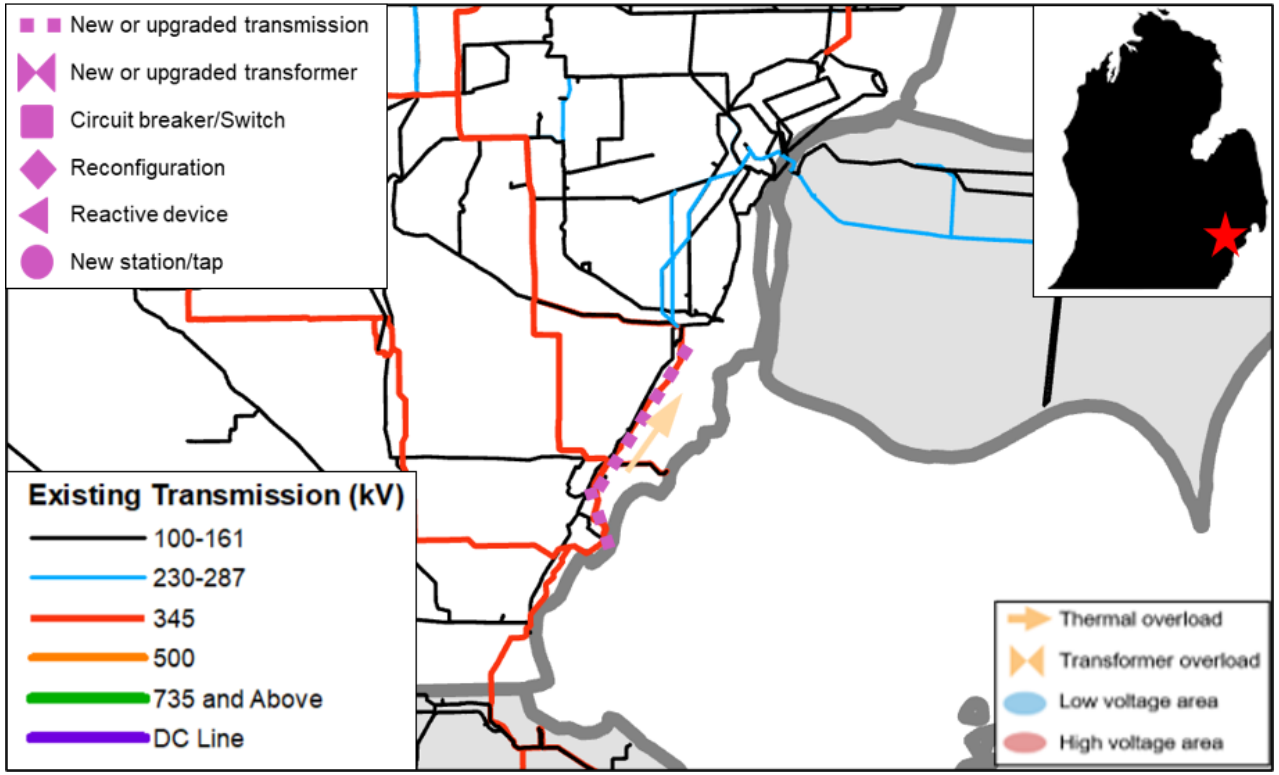
| | |
|---|---|
| GIP | 1 |
| BRP | 11 |
| Other | 13 |



# ITC Transmission (ITCT) MTEP26 ISD Breakdown



# Baseline Reliability Project
# Details for Reconductor Brownstown-Monroe #1 345 kV




| MTEP Project ID | 15871 |
|---|---|
| Project Name | Reconductor Brownstown-Monroe #1 345 kV |
| Project Type | BRP |
| Project Description | Reconductor 7.282 miles of the 2-954 ACSR conductor on the Brownstown – Monroe #1 345 kV circuit to 2-1431 ACSR on double circuit steel structures built to 345 kV construction with OPGW. Remediate the sag on the existing 2-1431 ACSR conductor on the Brownstown – Monroe #1 345 kV circuit to the conductor limit. The reconductor is from structure # 10969 south to Monroe 345 kV. The sag remediation is from structure #10969 north to Brownstown 345 kV. |
| Current Cost | $16.1 M |
| Expected ISD | 12/31/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Reconductor Brownstown-Monroe #1 345 kV

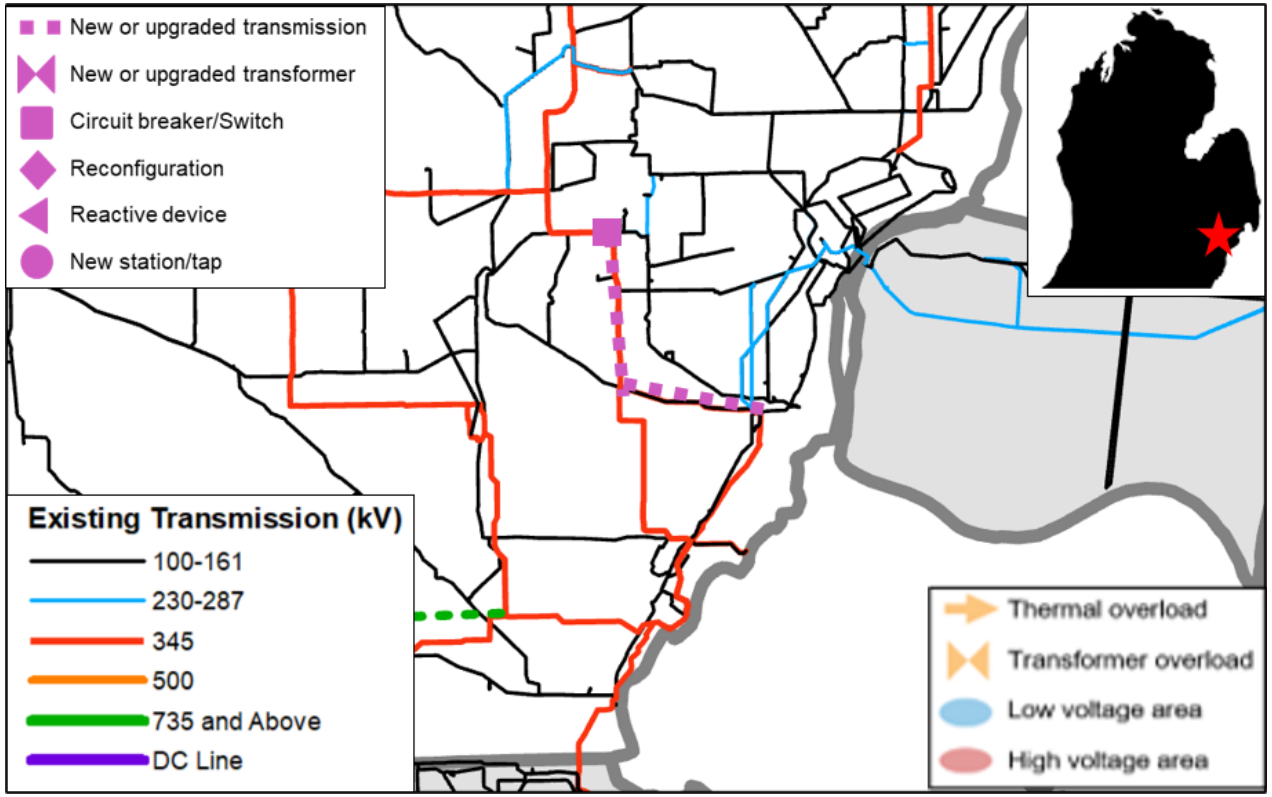
- The [ITCT] Brownstown – [ITCT] Monroe line showed an overload for a previously seen worst P6 contingency. A redispatch was found that resolves the overloads seen in our results. However, this project has also been referenced as a solution to overloads that appeared in multiple NPOA studies for the Fermi plant, including the 2026 NPOA study.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM__AA_EPequivalent | [ITCT] Brownstown—[ITCT] Monroe 345 kV line | 101 | 72 |

Recommendation: Move to Appendix A

# Baseline Reliability Project
# Details for Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation




| MTEP Project ID | 15873 |
|---|---|
| Project Name | Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation |
| Project Type | BRP |
| Project Description | Upgrade the station equipment at Brownstown 345 kV position “FT”. Upgrade the station equipment at Wayne 345 kV positions "DF" and "DM". Raise the sag on Brownstown-Wayne 345kV line. Adjust CTs at both Wayne DF and DM breakers. All upgrades to a minimum summer emergency of 1585MVA (2653A). |
| Current Cost | $9.7 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation

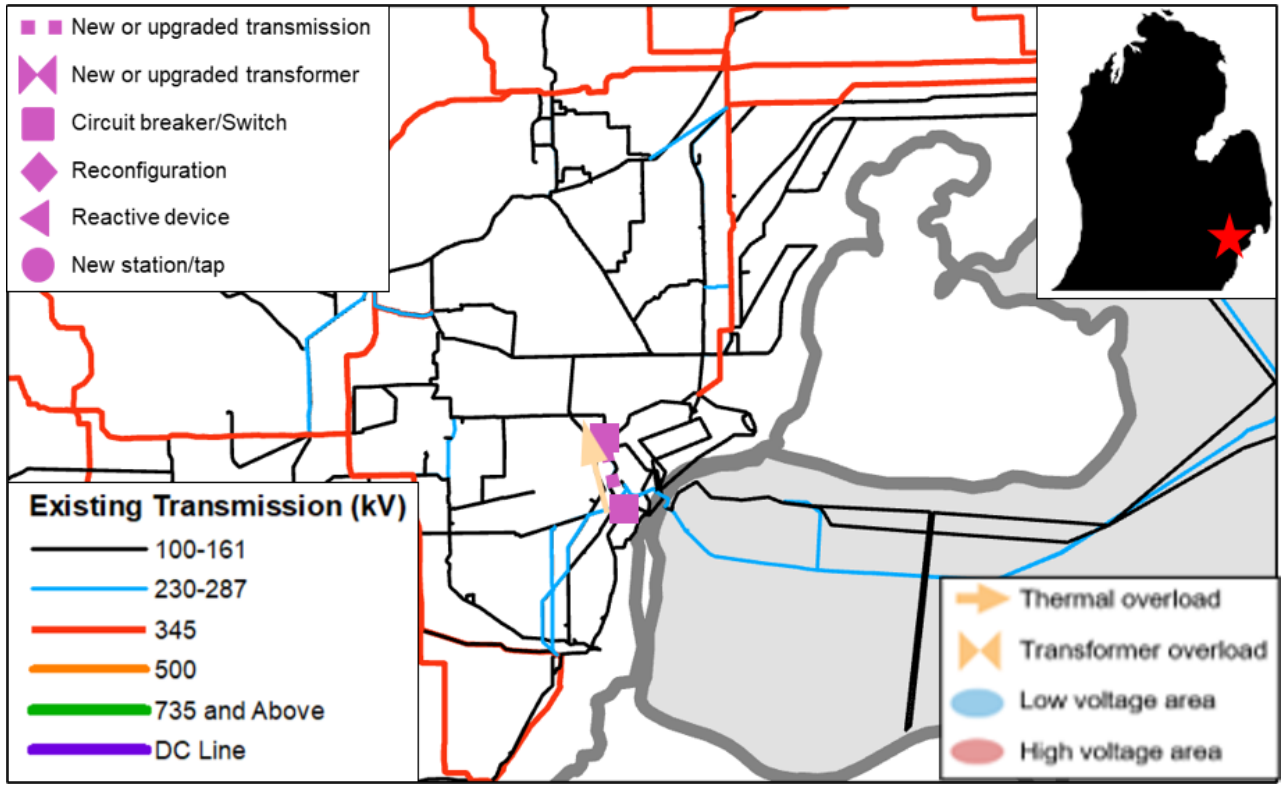
- The highest loading of the [ITCT] Brownstown – [ITCT] Wayne line is 90% in the 2028 SUM AA model for a N-1-1 contingency.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM__AA_EPequivalent | [ITCT] Brownstown—[ITCT] Wayne 345 kV line | 90 | - |

Recommendation: Move to Appendix B

# Baseline Reliability Project
# Details for Rebuild Baxter-Warren 230kV Line




| MTEP Project ID | 50839 |
|---|---|
| Project Name | Rebuild Baxter-Warren 230kV Line |
| Project Type | BRP |
| Project Description | Rebuild ~4 miles of 1431 ACSR conductor of Warren-Baxter 230kV line. Upgrade Warren station switches “CD” and “CH”. Upgrade BUS 1590 SAC and 1431 ACSR line drop at Warren station. Upgrade Baxter switch “HI” and 1431 ACSR line drop. All upgrades to a minimum SE of 955MVA (2399A) |
| Current Cost | $17.1 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Rebuild Baxter-Warren 230kV Line

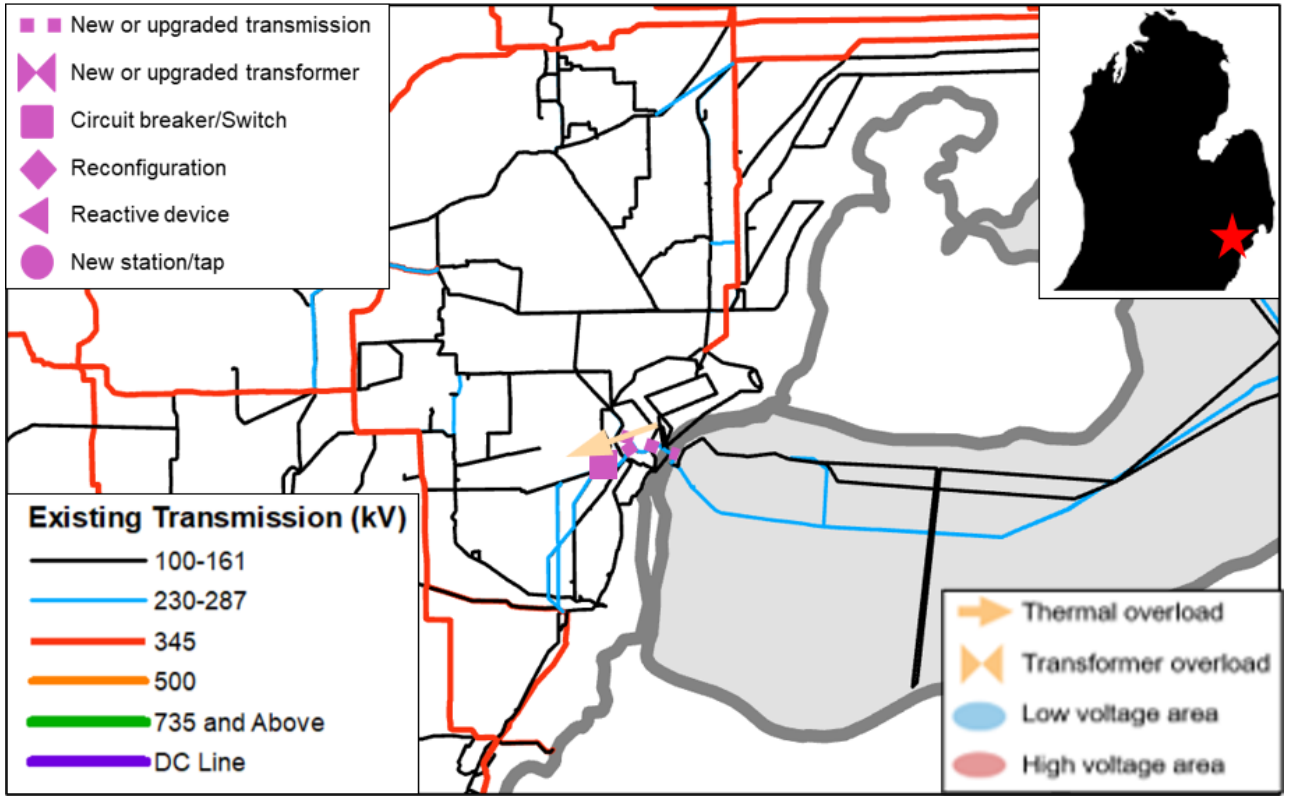
- The [ITCT] Baxter – [ITCT] Warren line is loaded at 97% in the 2031 SUM and 2031 SHAW models for N-1-1 contingencies. A redispatch was found that serves as mitigation for this near overload.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | 2031_SP_I1400_L100_W18_G6 | [ITCT] Baxter—[ITCT] Warren 230 kV line | 97 | - |

Recommendation: Move to Appendix B

# Baseline Reliability Project
# Details for Rebuild Navarre-DBGEN Tap-Waterman 230kV Line




| MTEP Project ID | 50841 |
|---|---|
| Project Name | Rebuild Navarre-DBGEN Tap-Waterman 230kV Line |
| Project Type | BRP |
| Project Description | Rebuild Navarre – DBGEN TAP – Waterman 230kV line. Rebuild with 230kV double circuit structure. Rebuild line drops at both Navarre and Waterman stations. All rebuild to a minimum SE of 1311 MVA. |
| Current Cost | $31.0 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Rebuild Navarre-DBGEN Tap-Waterman 230kV Line

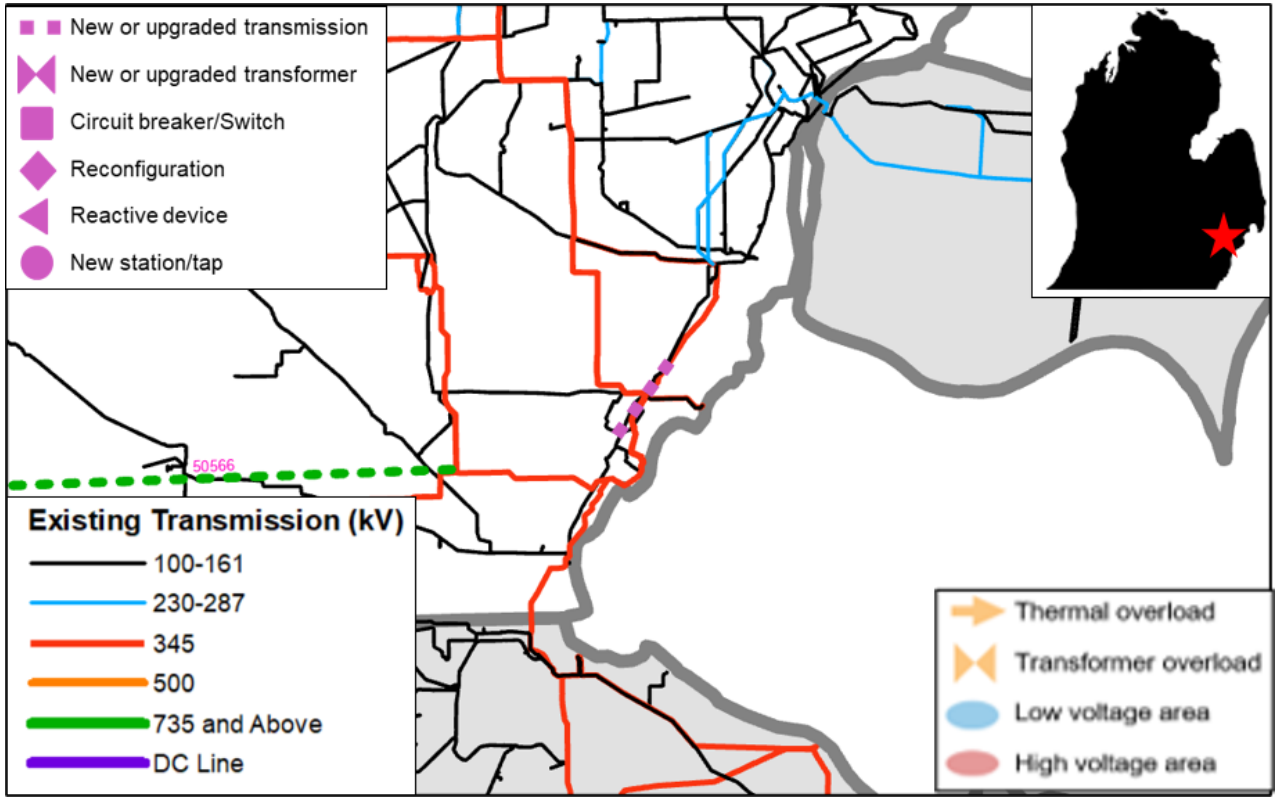
- The [ITCT] Navarre – [ITCT] DBGEN 230 kV line is overloaded in 2031 SUM and 2031 SHAW AA models for N-1-1 contingencies. A redispatch was found that serves as mitigation for these overloads.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | 2031_P70_I1600_L65_W27_P6 | [ITCT] Navarre—[ITCT] DBGEN 230 kV line | 113 | - |

Recommendation: Move to Appendix B

# Baseline Reliability Project
# Details for Rebuild Swan Creek - Toll Road 120kV Line




| MTEP Project ID | 50852 |
|---|---|
| Project Name | Rebuild Swan Creek - Toll Road 120kV Line |
| Project Type | BRP |
| Project Description | Rebuild ~2.63 miles of 477 ACSR Swan Creek - Toll Road 120kV line from STR#1282A to STR#1263 with 954 ACSR conductor. Rebuild with 120kV double circuit structures. |
| Current Cost | $6.1 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Rebuild Swan Creek - Toll Road 120kV Line

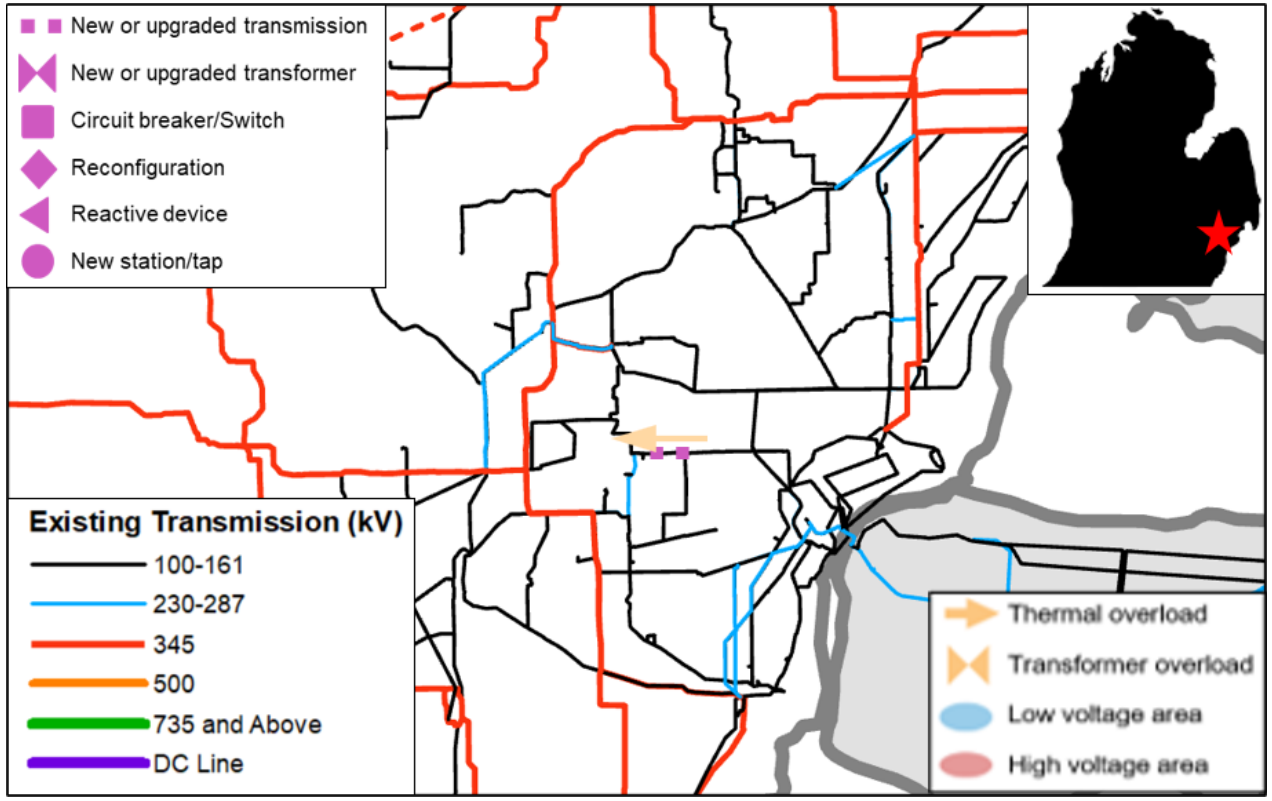
- The highest loading of the [ITCT] Swan Creek – [ITCT] Toll Road 120 kV line is 93% in the 2028 SUM AA model for N-1-1 contingencies.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM__AA_EPequivalent | [ITCT] Swan Creek—[ITCT] Toll Rd 120 kV line | 93 | - |

Recommendation: Move to Appendix B

# Baseline Reliability Project
# Details for Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines




| MTEP Project ID | 50867 |
|---|---|
| Project Name | Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines |
| Project Type | BRP |
| Project Description | Upgrade both 954 ACSR conductors from STR#5643 to Polaris station with 1431 ACSR conductor. Upgrade 954 ACSR conductor from STR#5652A to Yost station with 1431 ACSR conductor. Eliminate the sag limit on Yost-Polaris line 477 ACSRx2 conductor section. All upgrades to a minimum SE of 348MVA (1679A). |
| Current Cost | $1.6 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines

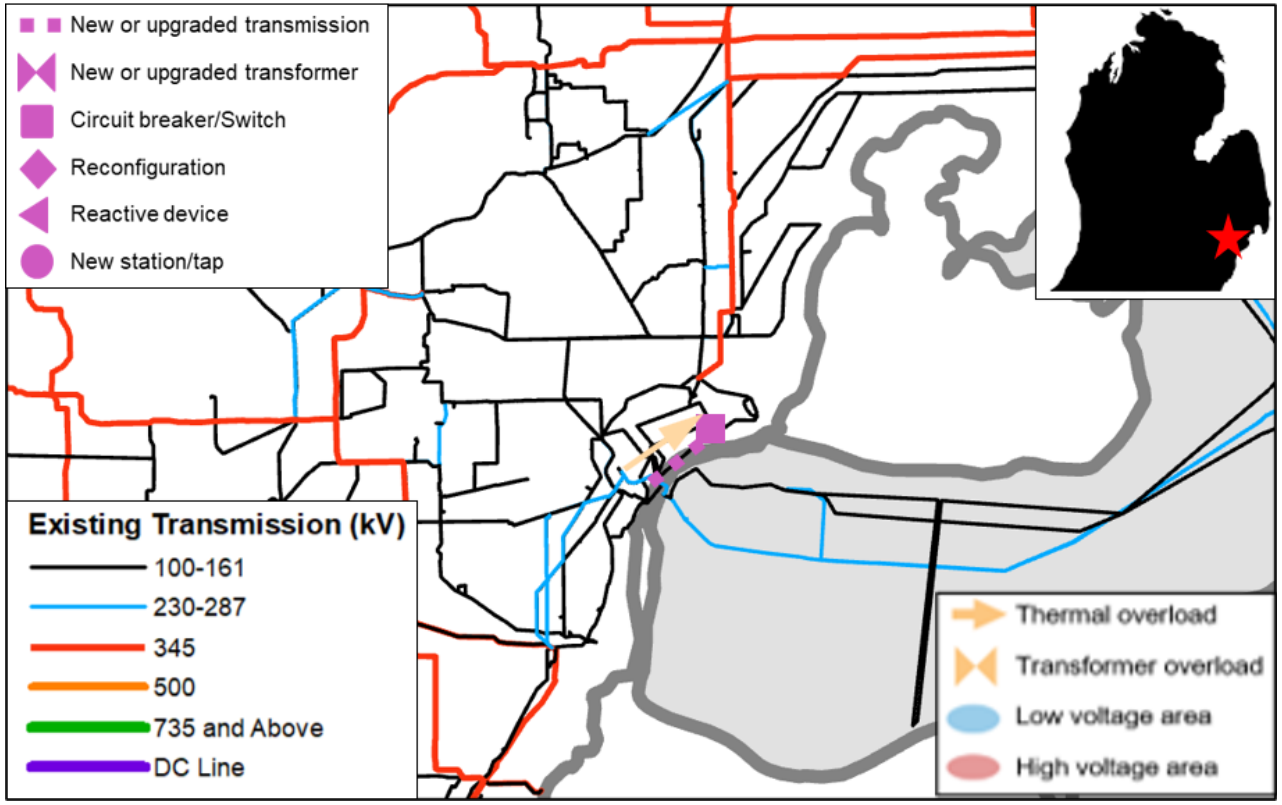
- The Yost to Polaris to Diesel lines overloaded in only the 2028 SUM of the AA model set. These facilities did not reach loading near or over the pre project ratings in the TA model set.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM__AA_EPequivalent | [ITCT] Yost—[ITCT] Polaris 120 kV line | 100 | - |
| | | [ITCT] Polaris—[ITCT] Diesel 120 kV line | | |

Recommendation: Move to Appendix B

# Baseline Reliability Project
# Details for Install New St.Antoine - Waterman 120kV Circuit




| MTEP Project ID | 50892 |
|---|---|
| Project Name | Install New St.Antoine - Waterman 120kV Circuit |
| Project Type | BRP |
| Project Description | Construct ~5 miles of new St. Antoine - Waterman 120kV underground line utilizing 2500mm² CU cable. Expand both St. Antoine and Waterman stations. Upgrade BUS 500 CU at Alfred line terminal "HA" and section breaker "HG". |
| Current Cost | $117.5 M |
| Expected ISD | 06/30/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Install New St.Antoine - Waterman 120kV Circuit

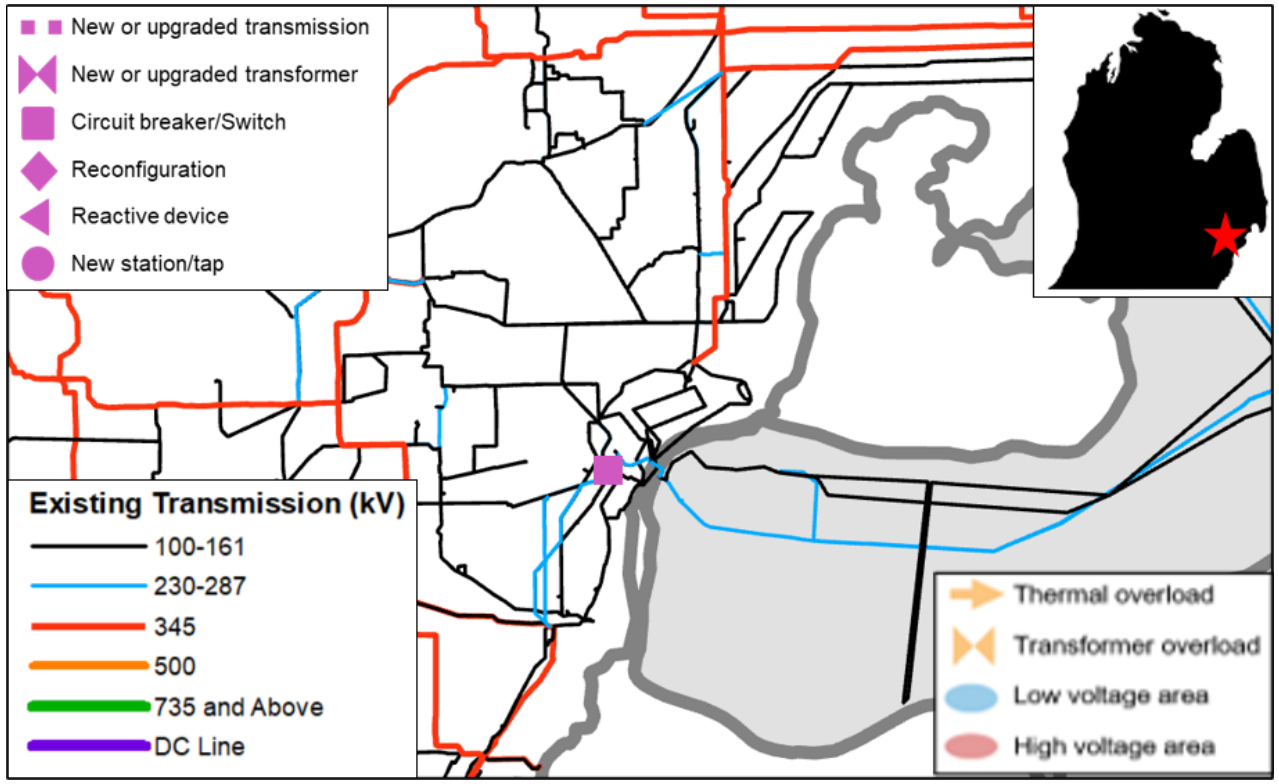
- The [ITCT] Cato – [ITCT] Waterman line is overloaded in 2028 SUM, 2031 SUM, 2031 SHHW and 2031 SHAW AA models. [ITCT] Cato – [ITCT] Stonepool line is nearly overloaded for N-1-1 contingencies in the 2031 SHAW AA model. Post project loadings are within limits. A redispatch and phase shifter adjustment has been found that serves as near term mitigation and additional mitigation for long lead contingencies.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | MISO26_2031_SHAW__AA_EPequivalent | [ITCT] Cato—[ITCT] Waterman 120 kV line | 119 | 46 |
| N-1 | MISO26_2031_SHAW__AA_Epequivalent | [ITCT] Cato—[ITCT] Stonepool 120 kV line | 99 | 24 |
| N-1 | MISO26_2031_SHAW__AA_EPequivalent | [ITCT] Stant—[ITCT] Corktown 120 kV line | 92 | 31 |

Recommendation: Move to Appendix A

# Baseline Reliability Project
# Details for Upgrade Navarre Station Equipment




| MTEP Project ID | 51019 |
|---|---|
| Project Name | Upgrade Navarre Station Equipment |
| Project Type | BRP |
| Project Description | Upgrade Navarre breaker "AB" CT. Upgrade NAVAR "HL" Relay Thermal. All upgrades to a minimum SE of 673MVA. |
| Current Cost | $0.3 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Navarre Station Equipment

- The highest loading of the [ITCT] Navarre – [ITCT] Navarre 230/120 kV transformer is 92% for N-1-1 contingencies in the 2031 SHAW AA model.

**MTEP26 (Thermal/Voltage) Violations**

| Cont. Type | | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2031_SHAW__AA_EPequivalent | [ITCT] Navarre—[ITCT] Navarre 230/120 kV Transformer | 92 | - |

Recommendation: Move to Appendix B

# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost | Recommendation |
|---|---|---|---|---|
| 15871 | Reconductor Brownstown-Monroe #1 345 kV | 12/31/2031 | $16.1 M | Appendix A |
| 15873 | Upgrade Brownstown - Wayne #2 345 kV Station Equipment & Sag Remediation | 12/31/2030 | $9.7 M | Appendix B |
| **18201** | **Upgrade Hunters Creek - Stratford 120 kV Line** | **02/01/2029** | **$2.5 M** | **Appendix A** |
| **18208** | **Airport - WDHVN Tap 120 kV Sag Remediation** | **12/01/2027** | **$0.7 M** | **Appendix A** |
| 50839 | Rebuild Baxter-Warren 230kV Line | 06/01/2031 | $17.1 M | Appendix B |
| 50841 | Rebuild Navarre-DBGEN Tap-Waterman 230kV Line | 06/01/2031 | $31.0 M | Appendix B |
| 50852 | Rebuild Swan Creek - Toll Road 120kV Line | 06/01/2031 | $6.1 M | Appendix B |
| 50867 | Eliminate Sag and Upgrade YOST-POLARIS-DIESEL 120kV Lines | 12/31/2030 | $1.6 M | Appendix B |
| 50892 | Install New St.Antoine - Waterman 120kV Circuit | 06/30/2031 | $117.5 M | Appendix A |
| 51019 | Upgrade Navarre Station Equipment | 12/31/2030 | $0.3 M | Appendix B |
| **51167** | **Upgrade Sag on Lark-Washtenaw Jct. 138 kV** | **12/01/2027** | **$1.6 M** | **Appendix A** |

**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 Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50730** | **Cortland 120 kV Station Expansion** | **Local Needs** | **12/31/2030** | **$42.7 M** |
| 50842 | Replace Waterman Transformer #201 | Age and Condition | 06/01/2030 | $9.8 M |
| 50844 | Replace Wayne Transformer #304 345-230kV | Age and Condition | 06/01/2030 | $16.2 M |
| 50848 | Replace Brownstown Transformer #302 345-230kV | Age and Condition | 06/01/2030 | $13.8 M |
| 50849 | Decommission Trenton Channel East Mat | Age and Condition | 12/15/2029 | $11.9 M |
| 50851 | Rebuild Toll Road - Vital 120kV Line | Age and Condition | 06/01/2032 | $19.0 M |
| 50869 | Rebuild Bloomfield - Sunbird 120 kV | Age and Condition | 06/01/2031 | $22.1 M |
| 50890 | New 120 kV Substation - Conner Load Interconnection | Load Growth | 01/01/2030 | $7.8 M |
| 51028 | ITCT Customer Interconnections - 2029 | Load Growth | 12/31/2029 | $2.5 M |
| 51029 | ITCT Line Relocation - 2028 | Local Needs | 12/31/2028 | $2.5 M |
| 51030 | ITCT Asset Replacement Program - 2028 | Age and Condition | 12/31/2028 | $58.2 M |
| **51134** | **Project Benton** | **Load Growth** | **11/30/2027** | **$92.4 M** |
| **51220** | **Project Cannoli** | **Load Growth** | **12/05/2028** | **$308.0 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.

# Generator Interconnection Projects (GIPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50630 | R1041 Generator Interconnection - TOIF | 07/01/2026 | $2.0 M |

# Questions?



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MISO

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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# MTEP26 Project Information
# Michigan Electric Transmission Company (METC)

3rd East Subregional Planning Meeting

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.



Unlabeled

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



# The details of the Michigan Electric Transmission Company (METC) projects and their costs are shown below:

- 27 submitted projects at an estimated cost of $505 million

Unlabeled

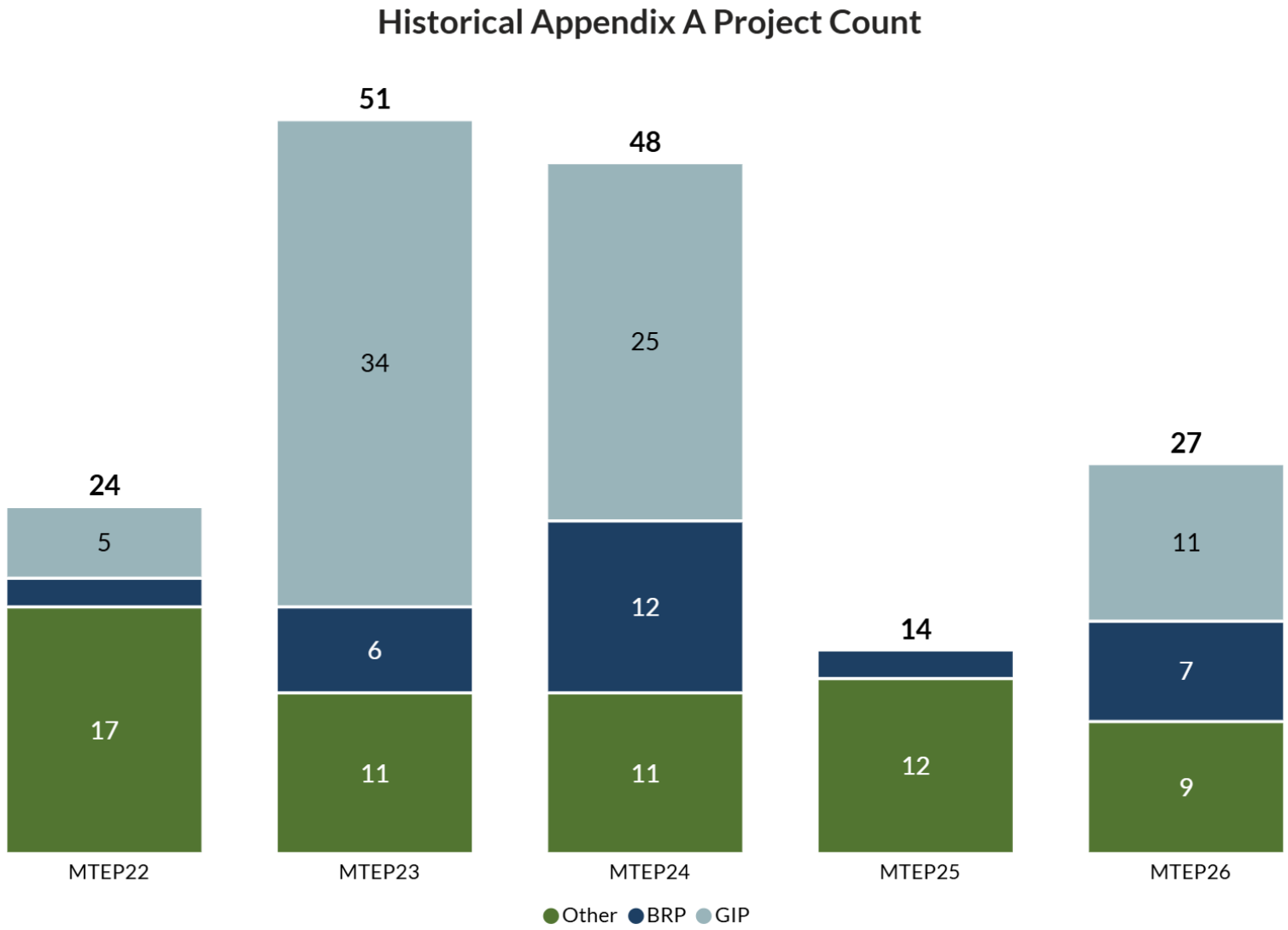
# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50595 | Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - TOIF | GIP | Project ISD changed from 1/30/2026 to 7/13/2026, Project cost increased from $0.9M to $1.3M |
| 50596 | Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - Network Upgrades | GIP | Project cost increased from $15.8M to $27.8M |
| 50896 | Remediate Sag on Chopin - White Rd - Aphis 138 kV | BRP | Project ISD changed from 12/31/2030 to 6/1/2027 |
| 51017 | Rebuild Cornell - Tihart 138 kV line | Other – Age and Condition | Project cost increased from $38.4M to $41.2M |
| 51054 | Raise Sag on Lemoyne - Driftwood 345 kV line | BRP | Project withdrawn |
| 51183 | Upgrade Sag on Aphis-Meyer 138 kV line | BRP | Project ISD changed from 12/31/2030 to 8/1/2027 |



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# Michigan Electric Transmission Company (METC) Historical Appendix A data, including submitted MTEP26




Project information as of 8/19/26.

# METC

## MTEP26 Projects

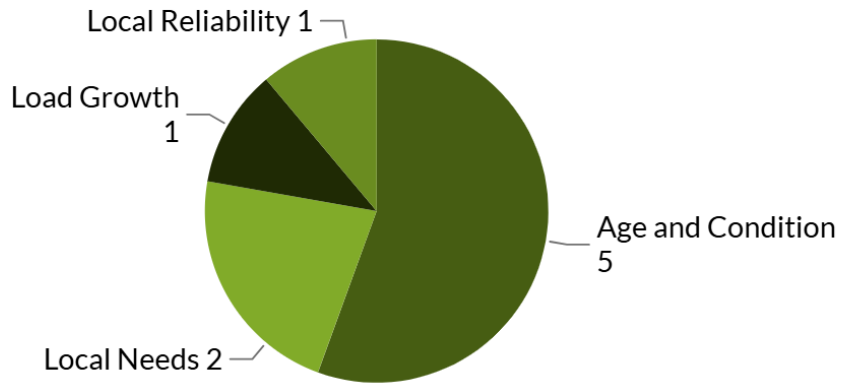



**27**
Total Projects

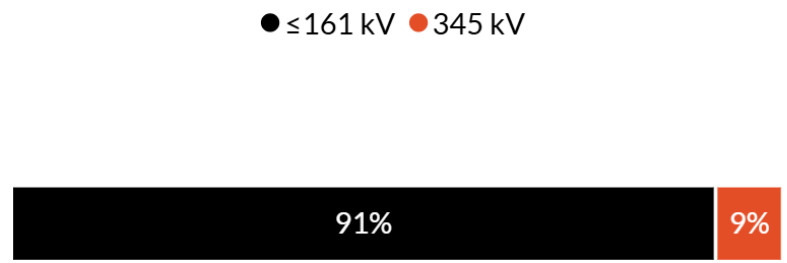
**$505M**
Investment

## Breakdown of Other Project Types

By Project Count

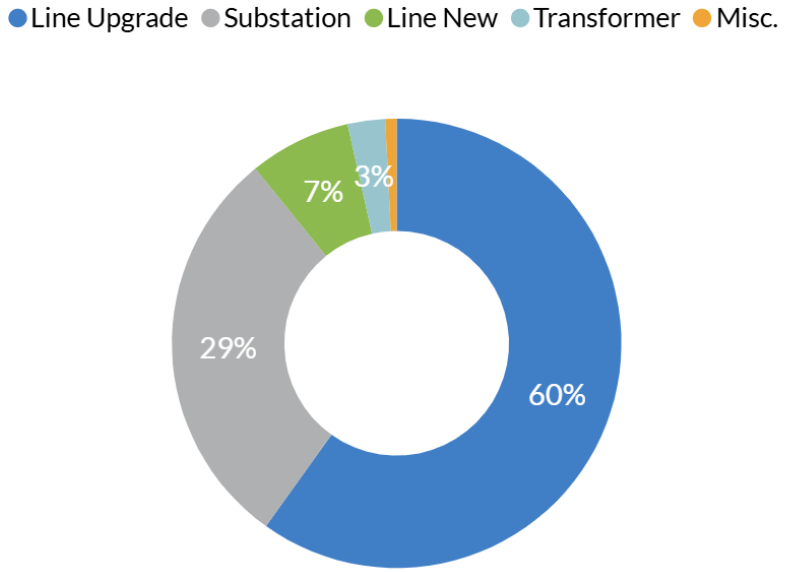



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost





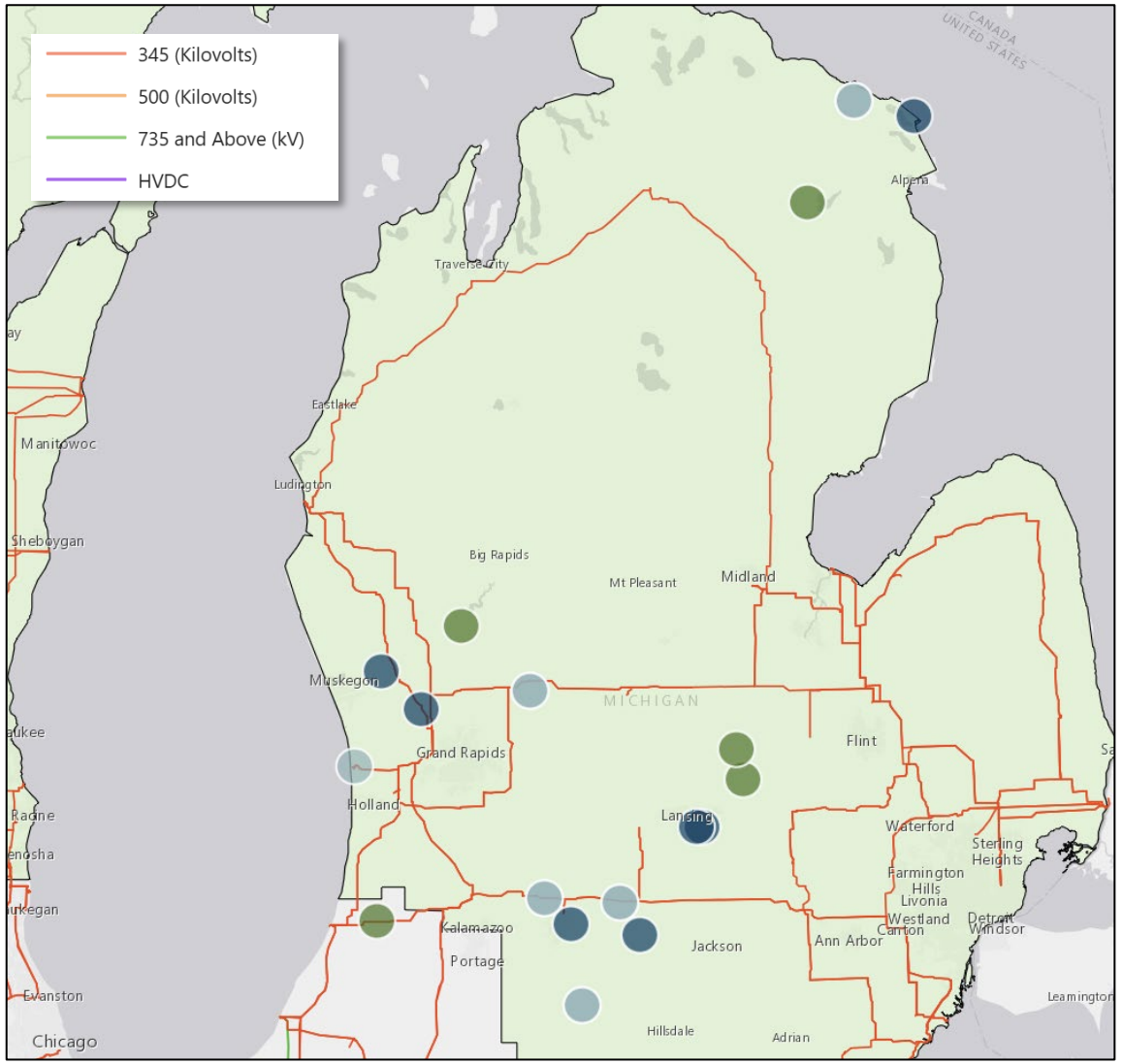

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# Michigan Electric Transmission Company (METC) Project Type Breakdown

## METC

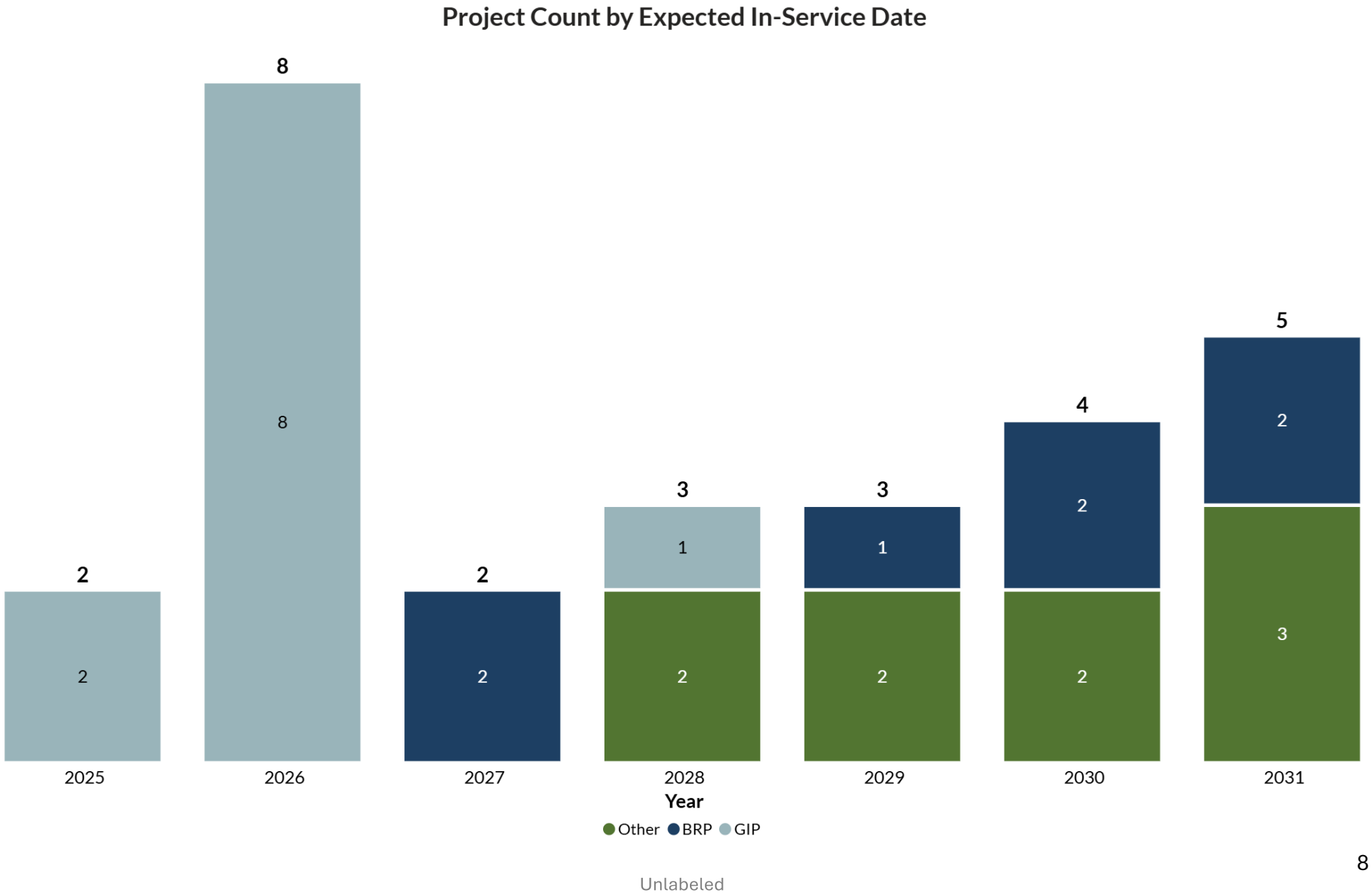
### MTEP26 Summary

| | |
|---|---|
| GIP | 11 |
| BRP | 7 |
| Other | 9 |

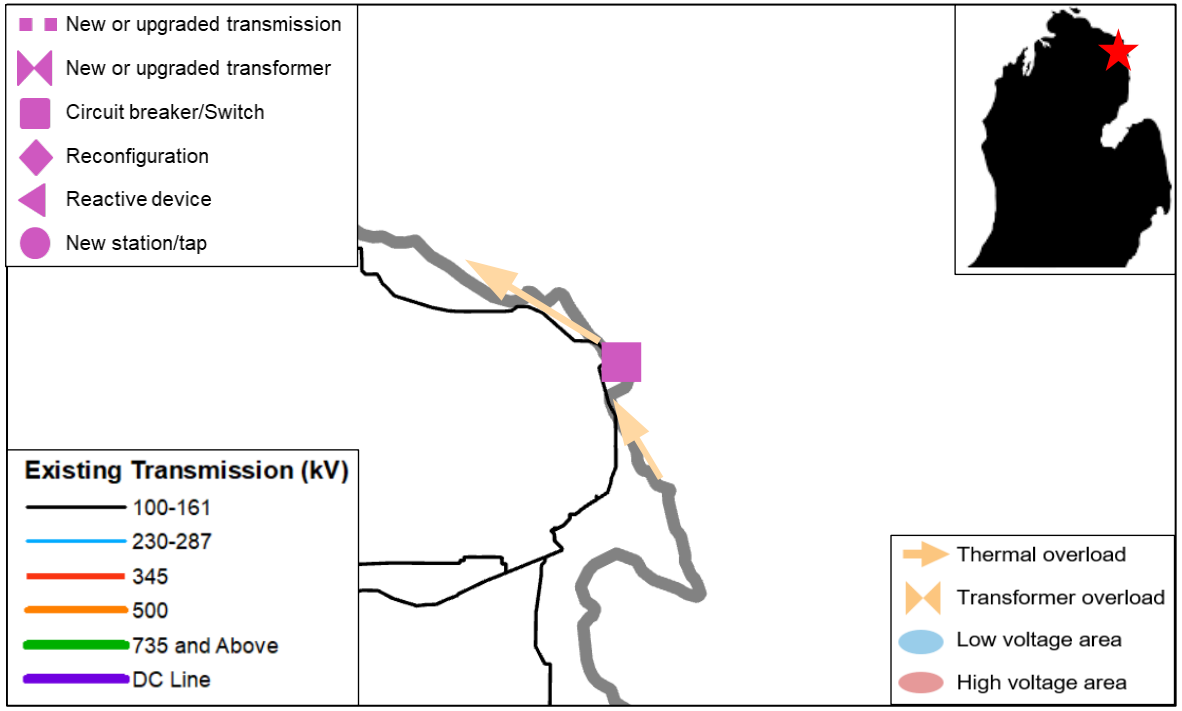



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# Michigan Electric Transmission Company (METC) MTEP26 ISD Breakdown



# Baseline Reliability Project
# Details for Upgrade Rockport Position 177 & 188 138 kV Equipment




| MTEP Project ID | 50858 |
|---|---|
| Project Name | Upgrade Rockport Position 177 & 188 138 kV Equipment |
| Project Type | BRP |
| Project Description | Replace station equipment at Rockport positions 177 & 188 with equipment rated at least 175 MVA. |
| Current Cost | $0.1 M |
| Expected ISD | 03/01/2029 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Rockport Position 177 & 188 138 kV Equipment

The [METC] Long Rapids – [METC] Rockport and [METC] Rockport – [METC] Grand Lake 138 kV lines did not show overloads in the 2031 SHAW AA results for N-1 contingency.

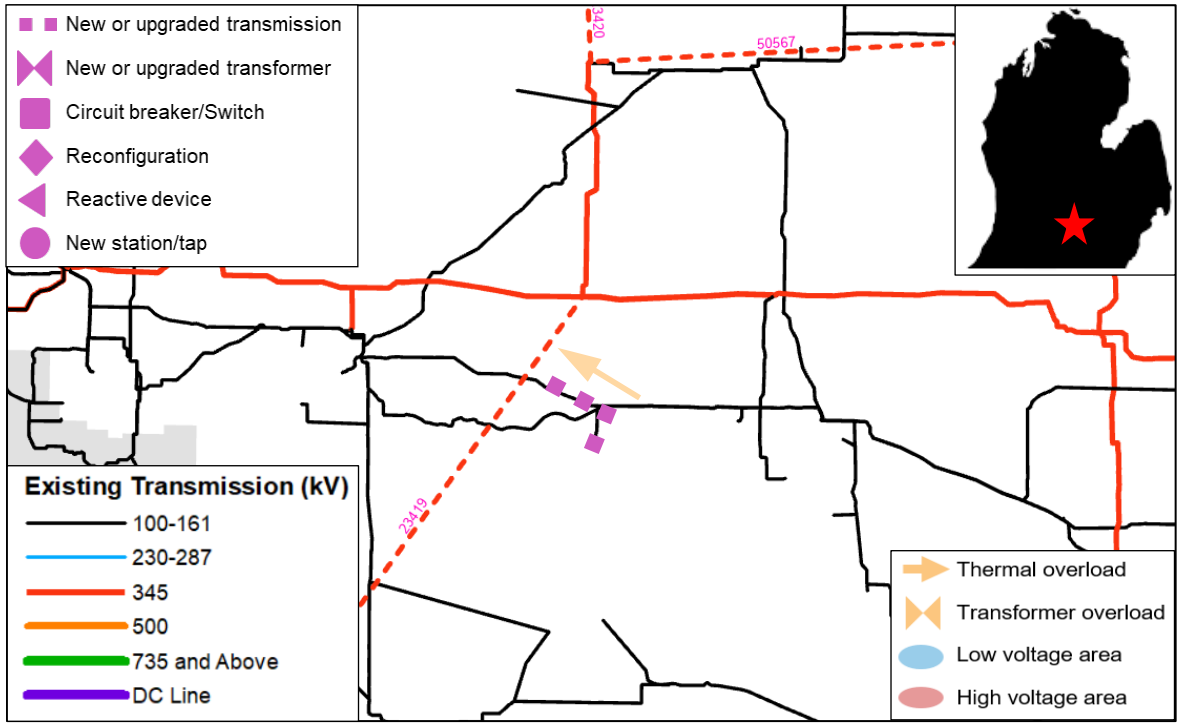
**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | 2031_P85_I1600_L65_W27_G6 | [METC] Long Rapids – [METC] Rockport 138 kV line | 15 | - |
| | | [METC] Rockport – [METC] Grand Lake 138 kV line | 13 | - |

Recommendation: Move to Appendix B

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Calhoun - Stable 138 kV line




| MTEP Project ID | 50888 |
|---|---|
| Project Name | Upgrade Calhoun - Stable 138 kV line |
| Project Type | BRP |
| Project Description | Upgrade ~2 miles of 336 ACSR 26/7 from Stable to structure 074B1350 with a minimum summer emergency of 234 MVA (979 A). |
| Current Cost | $1.8 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Calhoun - Stable 138 kV line

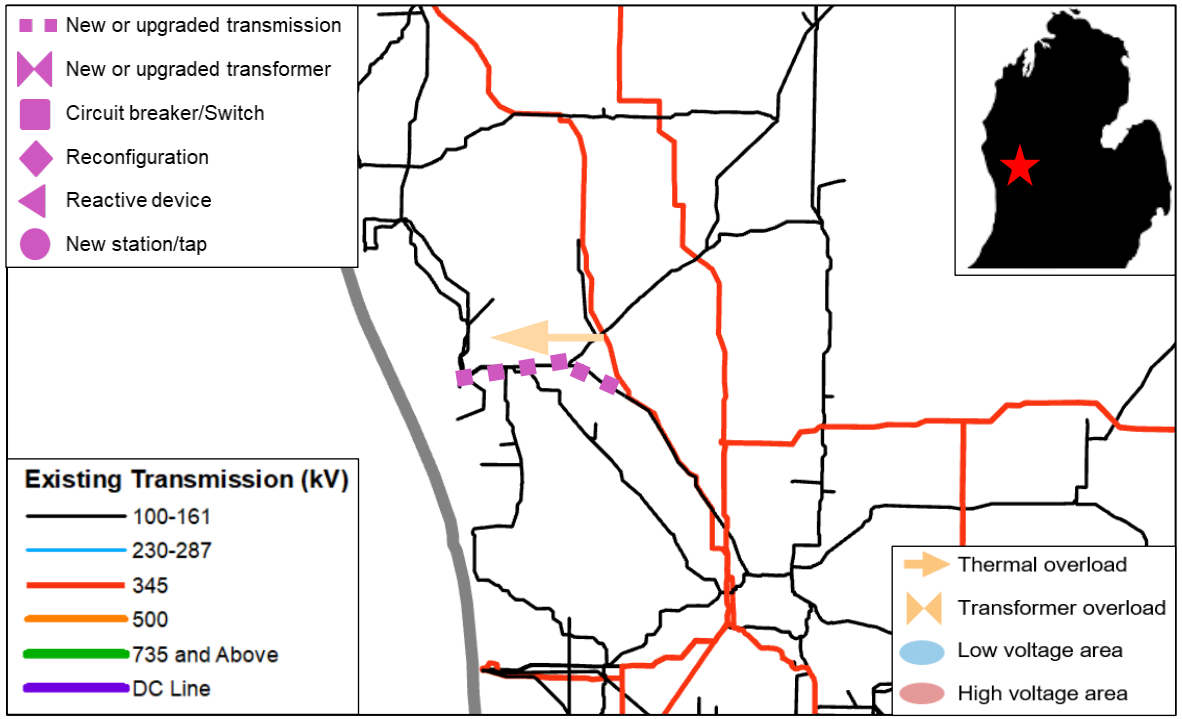
The [METC] Calhoun – [METC] Stable 138 kV line did not show overlords in the AA runs for N-1-1 contingency events.

**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1-1 | MISO26_2028_SUM___AA_EPequivalent | [METC] Calhoun – [METC] Stable 138 kV line | 78 | - |
| N-1-1 | 2031_SP_M100_U5_W18_G6 | [METC] Calhoun – [METC] Stable 138 kV line | 69 | - |

Recommendation: Move to Appendix B

# Baseline Reliability Project
# Details for Remediate Sag on Chopin - White Rd - Aphis 138 kV




| MTEP Project ID | 50896 |
|---|---|
| Project Name | Remediate Sag on Chopin - White Rd - Aphis 138 kV |
| Project Type | BRP |
| Project Description | Eliminate sag on the Chopin-White Rd-Aphis (previously Cobb-White Rd-Aphis) 138 kV section to conductor limit of 291 MVA (summer emergency rating). |
| Current Cost | $1.2 M |
| Expected ISD | 06/01/2027 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Remediate Sag on Chopin - White Rd - Aphis 138 kV

This project is driven by the MTEP25 Generator Deliverability (D6) study.

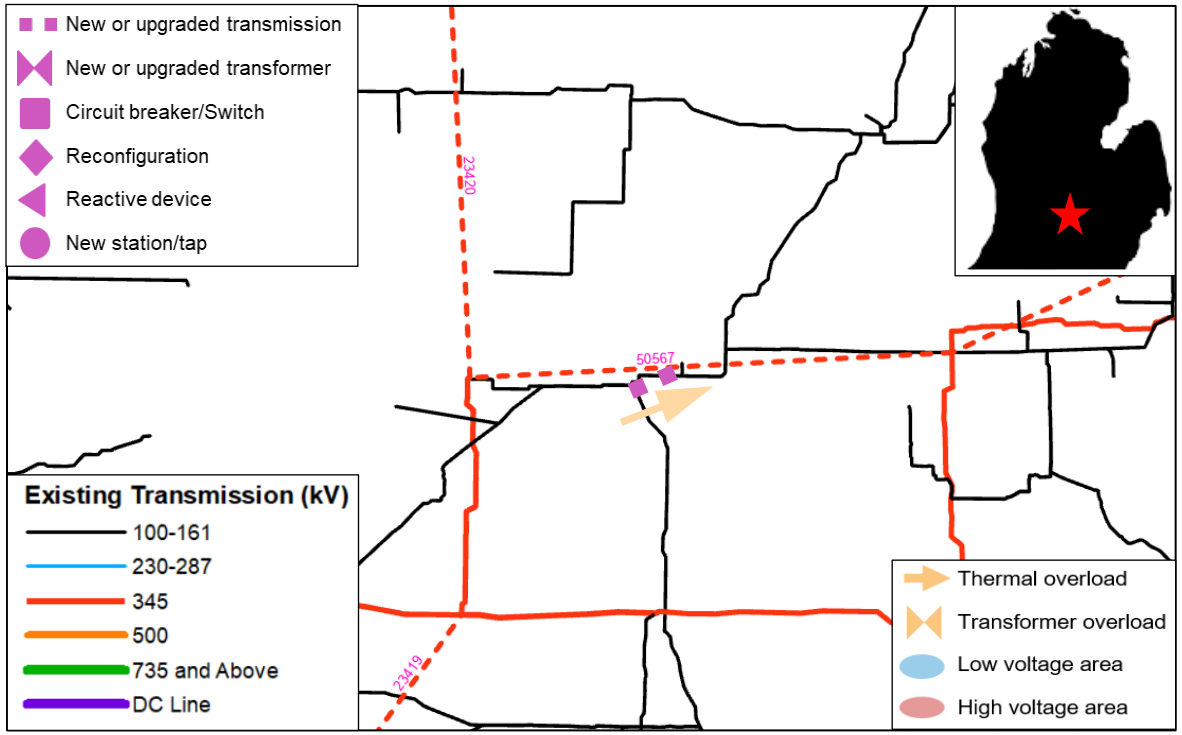
**MTEP25 D6 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [METC] White Rd – [METC] Chopin 138 kV line | 113 | <100 |
| N-1 | [METC] Aphis – [METC] White Rd 138 kV line | 113 | <100 |

Recommendation: Move to Appendix A

Unlabeled

# Baseline Reliability Project
# Details for Remediate Sag on Delhi - Green 138 kV




| MTEP Project ID | 50898 |
|---|---|
| Project Name | Remediate Sag on Delhi - Green 138 kV |
| Project Type | BRP |
| Project Description | Remediate the sag on the Delhi - Green 138 kV circuit to meet 336 ACSR X2 conductor limit of 325 MVA for summer emergency. |
| Current Cost | $1.6 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Remediate Sag on Delhi - Green 138 kV

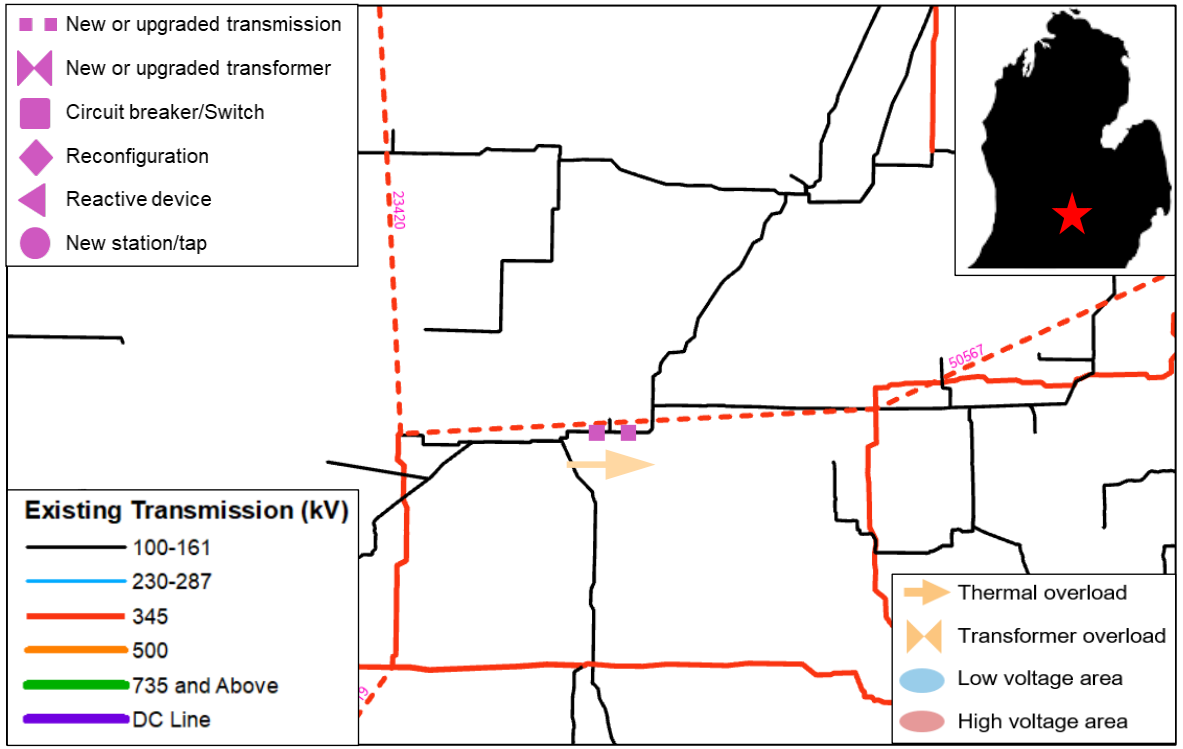
The [METC] Delhi – [METC] Green 138 kV line did not show overload in the AA runs. However, in Michigan 2031 SUM TA model, it showed one hundred eighteen (118%) percent overload for N-1 contingency event and one hundred twenty (120%) percent overload for N-1-1 contingency events. No redispatch has been found for these overloads. Upgrading [METC] Delhi – [METC] Green 138 kV line will increase the summer emergency rating of the line from 244 MVA to 325 MVA.

**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | 2031_SP_M100_U5_W18_G6_TA | [METC] Delhi – [METC] Green 138 kV line | 118 | <92 |
| N-1-1 | 2031_SP_M100_U5_W18_G6_TA | [METC] Delhi – [METC] Green 138 kV line | 120 | <92 |

Recommendation: Move to Appendix A

# Baseline Reliability Project
# Details for Remediate Sag on College - Green 138 kV




| MTEP Project ID | 50899 |
|---|---|
| Project Name | Remediate Sag on College - Green 138 kV |
| Project Type | BRP |
| Project Description | Remediate the sag on the College - Green 138 kV circuit to meet 336 ACSR X2 conductor limit of 325 MVA for summer emergency. |
| Current Cost | $0.8 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Remediate Sag on College - Green 138 kV

The [METC] College – [METC] Green 138 kV line did not show overload in the AA runs. However, in Michigan 2031 SUM TA model, it showed one hundred six (106%) percent overload for N-1 contingency event and one hundred eight (108%) percent overload for N-1-1 contingencies. No redispatch has been found for these overloads. Upgrading [METC] College - [METC] Green 138 kV line will increase the summer emergency rating of the line from 255 MVA to 325 MVA.

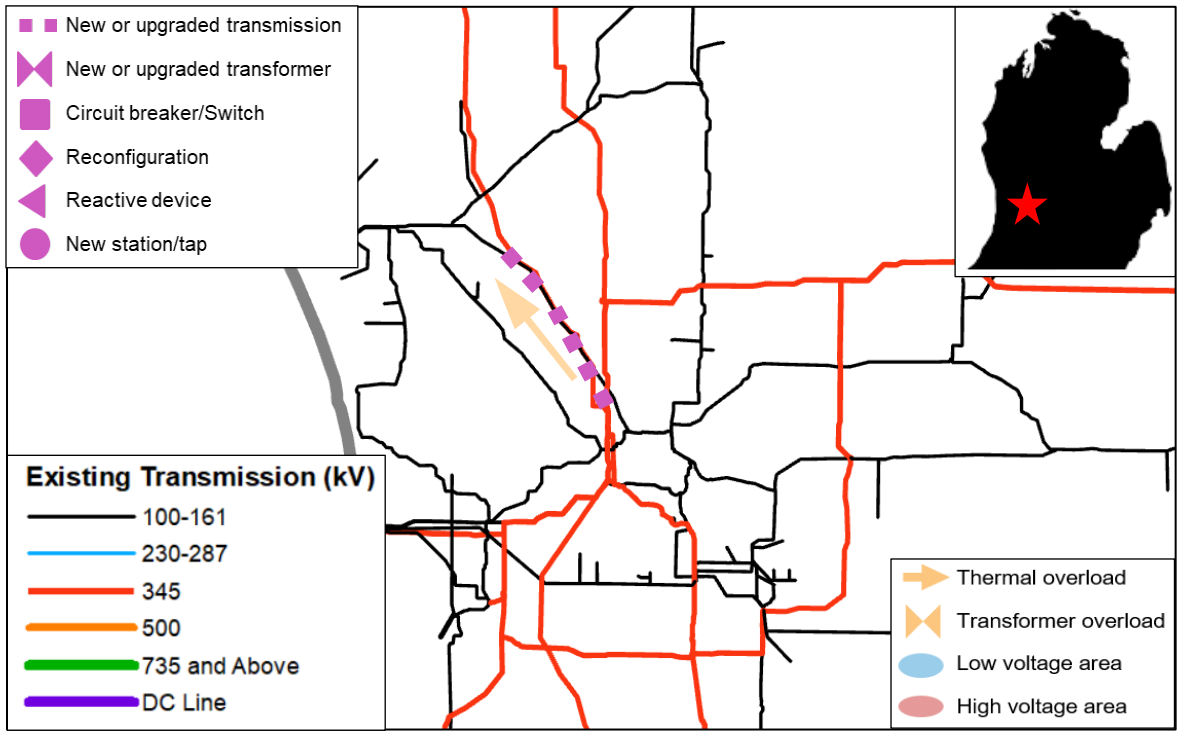
**MTEP26 Thermal Violations**

| Cont. Type | Model | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|---|
| N-1 | 2031_SP_M100_U5_W18_G6_TA | [METC] College – [METC] Green 138 kV line | 106 | <90 |
| N-1-1 | 2031_SP_M100_U5_W18_G6_TA | [METC] College – [METC] Green 138 kV line | 108 | <90 |

Recommendation: Move to Appendix A

Unlabeled

# Baseline Reliability Project
# Details for Upgrade Sag on Aphis-Meyer 138 kV line




| MTEP Project ID | 51183 |
|---|---|
| Project Name | Upgrade Sag on Aphis-Meyer 138 kV line |
| Project Type | BRP |
| Project Description | Upgrade the sag on Aphis - Meyer 138 kV line. All upgrades to a minimum SE 291MVA. |
| Current Cost | $1.9 M |
| Expected ISD | 08/01/2027 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Sag on Aphis-Meyer 138 kV line

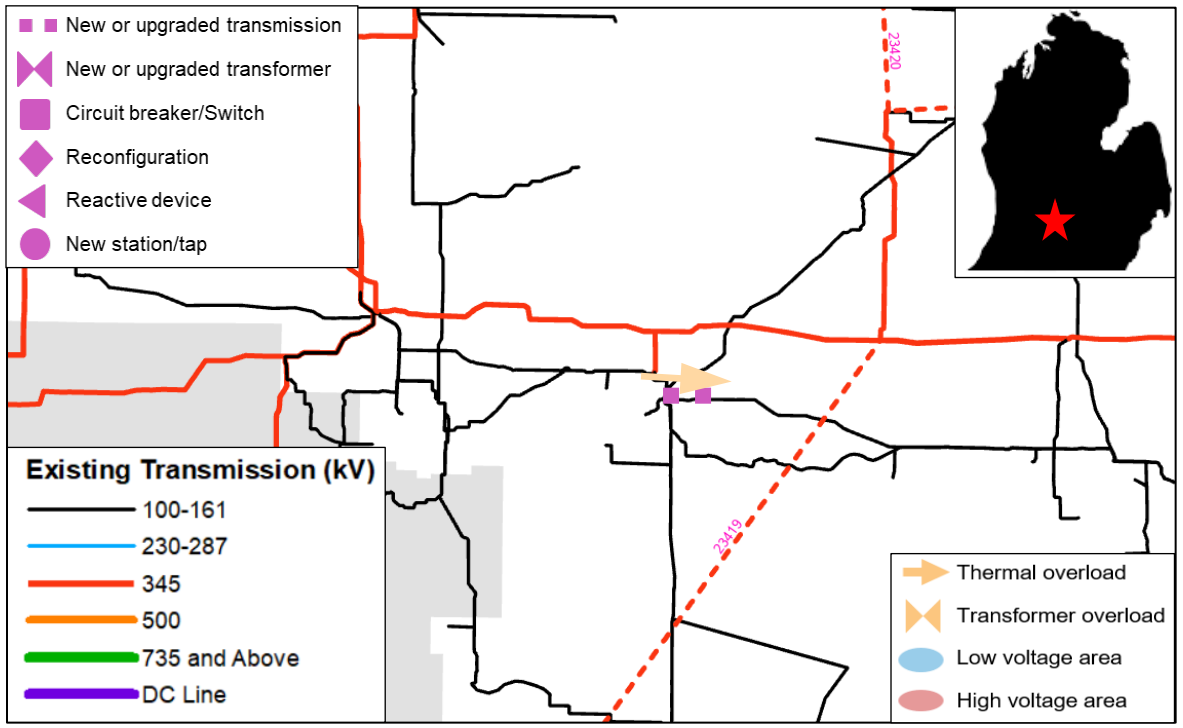
This project is driven by the MTEP25 Generator Deliverability (D6) study.

**MTEP25 D6 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [METC] Aphis – [METC] Meyer 138 kV line | 113 | <100 |

Recommendation: Move to Appendix A

# Baseline Reliability Project
# Details for Upgrade Mud Lake - Verona #2 138 kV




| MTEP Project ID | 51185 |
|---|---|
| Project Name | Upgrade Mud Lake - Verona #2 138 kV |
| Project Type | BRP |
| Project Description | METC is to upgrade Mud Lake - Verona #2 138 kV. Rebuild to 1431 ACSR conductor from structure 52544 to Verona using double circuit structures. Reconductor to 1431 ACSR (if possible) or 954 ACSS from Mud Lake to structure 52544. Upgrade station equipment at Verona. Upgrade line drop 388. The line is approximately 5.58 miles. OPGW will be installed as needed. All line switches will be 2000A or greater, if replaced. |
| Current Cost | $12.3 M |
| Expected ISD | 06/01/2031 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Upgrade Mud Lake - Verona #2 138 kV

This project is driven by the MTEP25 Generator Deliverability (D6) study.

**MTEP25 D6 Thermal Violations**

| Cont. Type | Limiting Element | Pre-project (post-cont.) Loading (%) | Post-project (post-cont.) Loading (%) |
|---|---|---|---|
| N-1 | [METC] Mud Lake – [METC] Verona 2 138 kV line | 109 | <100 |

Recommendation: Move to Appendix A

# Baseline Reliability Projects (BRPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost | Recommendation |
|---|---|---|---|---|
| 50858 | Upgrade Rockport Position 177 & 188 138 kV Equipment | 03/01/2029 | $0.1 M | Appendix B |
| 50888 | Upgrade Calhoun - Stable 138 kV line | 06/01/2031 | $1.8 M | Appendix B |
| 50896 | Remediate Sag on Chopin - White Rd - Aphis 138 kV | 06/01/2027 | $1.2 M | Appendix A |
| 50898 | Remediate Sag on Delhi - Green 138 kV | 12/31/2030 | $1.6 M | Appendix A |
| 50899 | Remediate Sag on College - Green 138 kV | 12/31/2030 | $0.8 M | Appendix A |
| 51183 | Upgrade Sag on Aphis-Meyer 138 kV line | 08/01/2027 | $1.9 M | Appendix A |
| 51185 | Upgrade Mud Lake - Verona #2 138 kV | 06/01/2031 | $12.3 M | Appendix A |

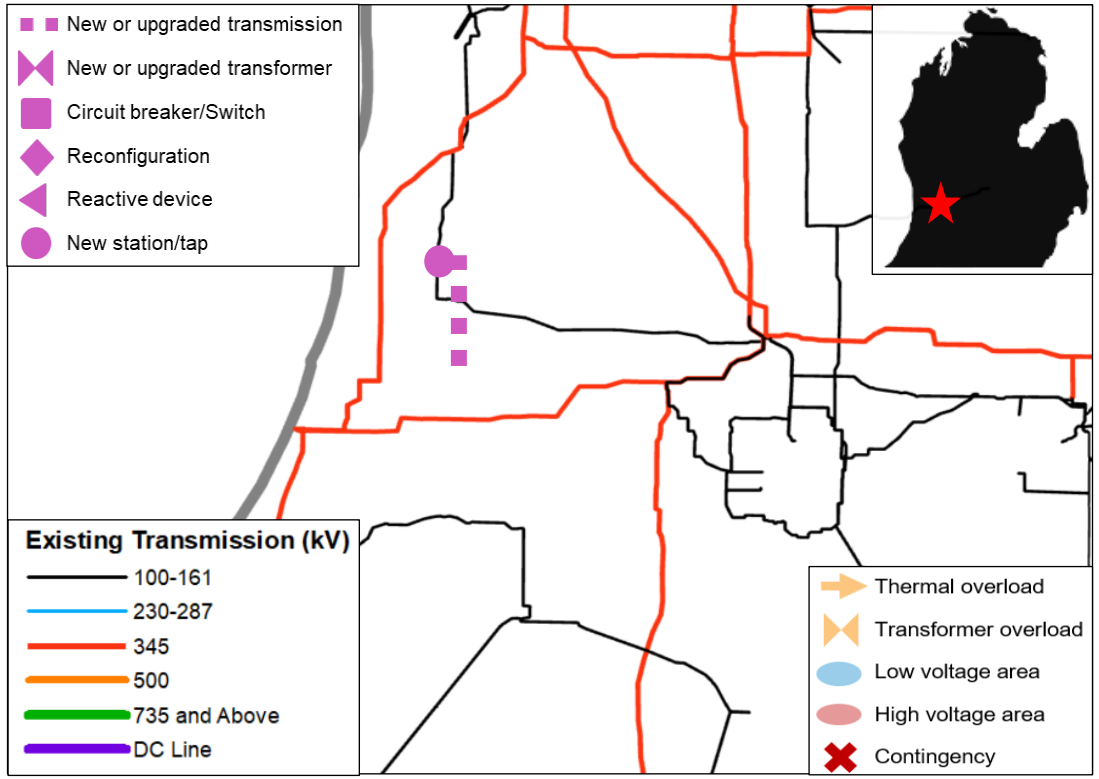
**Bold** MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
**Bold and Underlined** MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Unlabeled

# Withdrawal / Replacement Study

## (MTEP25 P#50447 → MTEP26 P#51365)

# Other, Local Needs Highlight
# Details for New Station (Bread) - CE Baker Interconnection




| MTEP Project ID | 51365 |
|---|---|
| Project Name | New Station (Bread) - CE Baker Interconnection |
| Project Type | Other |
| Other Type | Local Needs |
| Project Description | METC to build a new 345/138 kV station to cut the Palisades – Argenta #2 345 kV line. METC will construct approximately 10.18 miles of new 138 kV line on double-circuit structures (leave vacant side for future use) using 954 ACSR conductor. The new 138 kV line construction will mostly follow existing 345kV corridor and CE's 46kV ROW. |
| Current Cost | $74.3 M |
| Expected ISD | 07/15/2031 |
| Target Appendix | A |

| MTEP Project ID | MTEP25 P#50447 –Appendix A (Approved) | MTEP26 P#51365 Alternative (Target Appendix A) |
|---|---|---|
| Project Name | New [CONS] Baker Interconnection | New Station (Bread) - CE Baker Interconnection |
| Project Type | Other | Other |
| Project Description | METC to install two 138 kV, 63 kA breakers at Weeds Lake to terminate Consumers Energy's new Baker connection at position “BM8” and construct approximately 36.5 miles of new 138 kV line on double-circuit structures (leave vacant side for future use) using 954 ACSR conductor. | METC to build a new 345/138 kV station to cut the Palisades – Argenta #2 345 kV line. METC will construct approximately 10.18 miles of new 138 kV line on double-circuit structures (leave vacant side for future use) using 954 ACSR conductor. The new 138 kV line construction will mostly follow existing 345 kV corridor and CE’s 46 kV ROW. |
| System Need | Consumers Energy requested to connect their new Baker substation to METC’s Weeds Lake 138 kV station. | Consumers Energy requested to connect their new Baker 138/46 kV substation in Lawrence township. There is a MISO approved project #50447 to accommodate this interconnection request. This proposal is an alternative to the approved project for the cost and time savings. |
| Current Cost | $108.8 M | $74.3 M |
| Expected ISD | 06/01/2030 | 07/15/2031 |

Recommendation: Move to Appendix A



Unlabeled

# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 20015 | Rebuild Bingham - Cornell 138 kV | Age and Condition | 06/01/2031 | $32.2 M |
| 51016 | Rebuild Airport - Mio Dam 138 kV line | Age and Condition | 12/31/2030 | $72.7 M |
| 51017 | Rebuild Cornell - Tihart 138 kV line | Age and Condition | 12/31/2031 | $41.2 M |
| 51020 | Rebuild Croton 138 kV station | Age and Condition | 12/31/2030 | $11.4 M |
| 51024 | METC Customer Interconnections - 2029 | Load Growth | 12/31/2029 | $2.5 M |
| 51025 | METC Line Relocation - 2028 | Local Needs | 12/31/2028 | $2.5 M |
| 51026 | METC Asset Replacement Program - 2028 | Age and Condition | 12/31/2028 | $58.6 M |
| 51365 | New Station (Bread) - CE Baker Interconnection | Local Needs | 07/15/2031 | $74.3 M |
| **51422** | **Iosco-Long Rapids 138 kV Rebuild** | **Local Reliability** | **05/28/2029** | **$115.1 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.

Unlabeled

# Generator Interconnection Projects (GIPs) Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 25409 | New Port Calcite-Rockport 138 kV Station - Generator Interconnection J1914 - Network Upgrades (150 MW) | 10/30/2026 | $13.3 M |
| 25426 | New Newton 138 kV Substation - Generation Interconnection J1916 - Network Upgrade (100 MW) | 03/02/2026 | $5.1 M |
| 25451 | New Newton 138 kV Substation - Generator Interconnection J1916 - TOIF (100 MW) | 03/02/2026 | $0.3 M |
| 25476 | New Nelson Road-Kenowa 345 kV station - Generator Interconnection J1918 - TOIF (132 MW) | 12/18/2025 | $1.1 M |
| 25477 | New Port Calcite-Rockport Station - Generator Interconnection J1914 - TOIF (150 MW) | 07/06/2026 | $0.3 M |
| 25488 | New Nelson Road-Kenowa 345 kV station - Generator Interconnection J1918 - Network Upgrades (132 MW) | 12/18/2025 | $15.9 M |
| 50015 | New 138 kV Station - Generator Interconnection J2815 - Network Upgrades (140 MW) | 04/03/2026 | $8.7 M |
| 50016 | New 138 kV Station - Generator Interconnection J2815 - TOIF (140 MW) | 04/07/2026 | $0.4 M |
| 50595 | Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - TOIF | 07/13/2026 | $1.3 M |
| 50596 | Battle Creek-Oneida - J2098 Generator Interconnection (Oxby) - Network Upgrades | 03/21/2026 | $27.8 M |
| 50729 | R1040 Generator Replacement - TOIF | 03/31/2028 | $0.1 M |

Unlabeled

# Questions?



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MISO

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




# MTEP26 Project Information
# Wolverine Power Supply Cooperative (WPSC)

3rd East Subregional Planning Meeting

Thursday, September 3, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.



Unlabeled

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

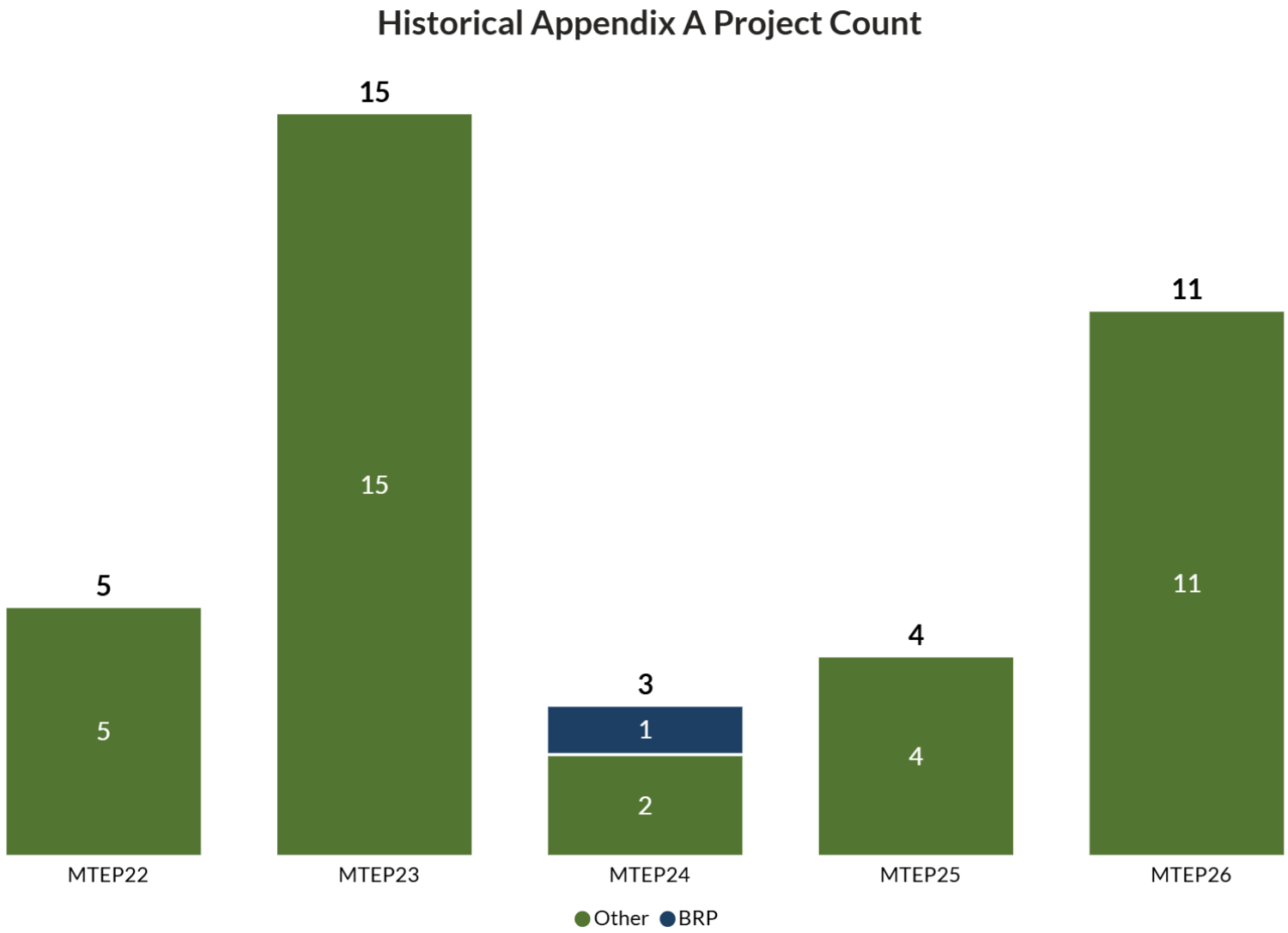


# The details of the Wolverine Power Supply Cooperative (WPSC) projects and their costs are shown below:

- 11 submitted projects at an estimated cost of $77 million

Unlabeled

# Wolverine Power Supply Cooperative (WPSC) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# WOLVERINE POWER SUPPLY COOPERATIVE, INC WPST

MTEP26 Projects

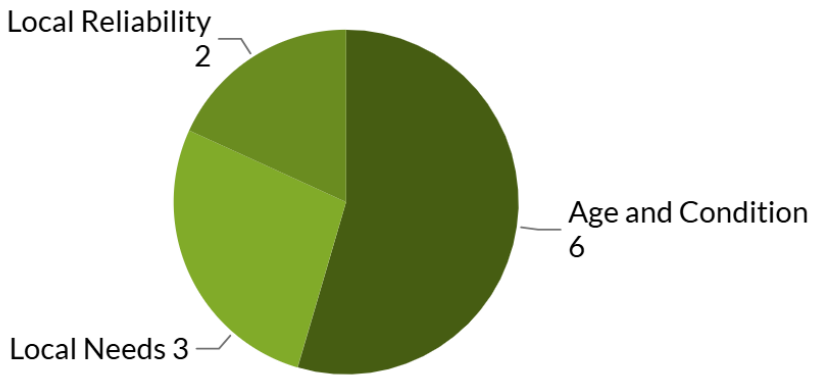



**11**
Total Projects

**$77M**
Investment

## Breakdown of Other Project Types

By Project Count

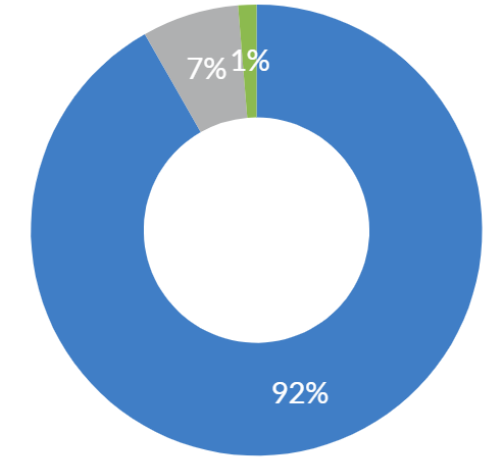



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost





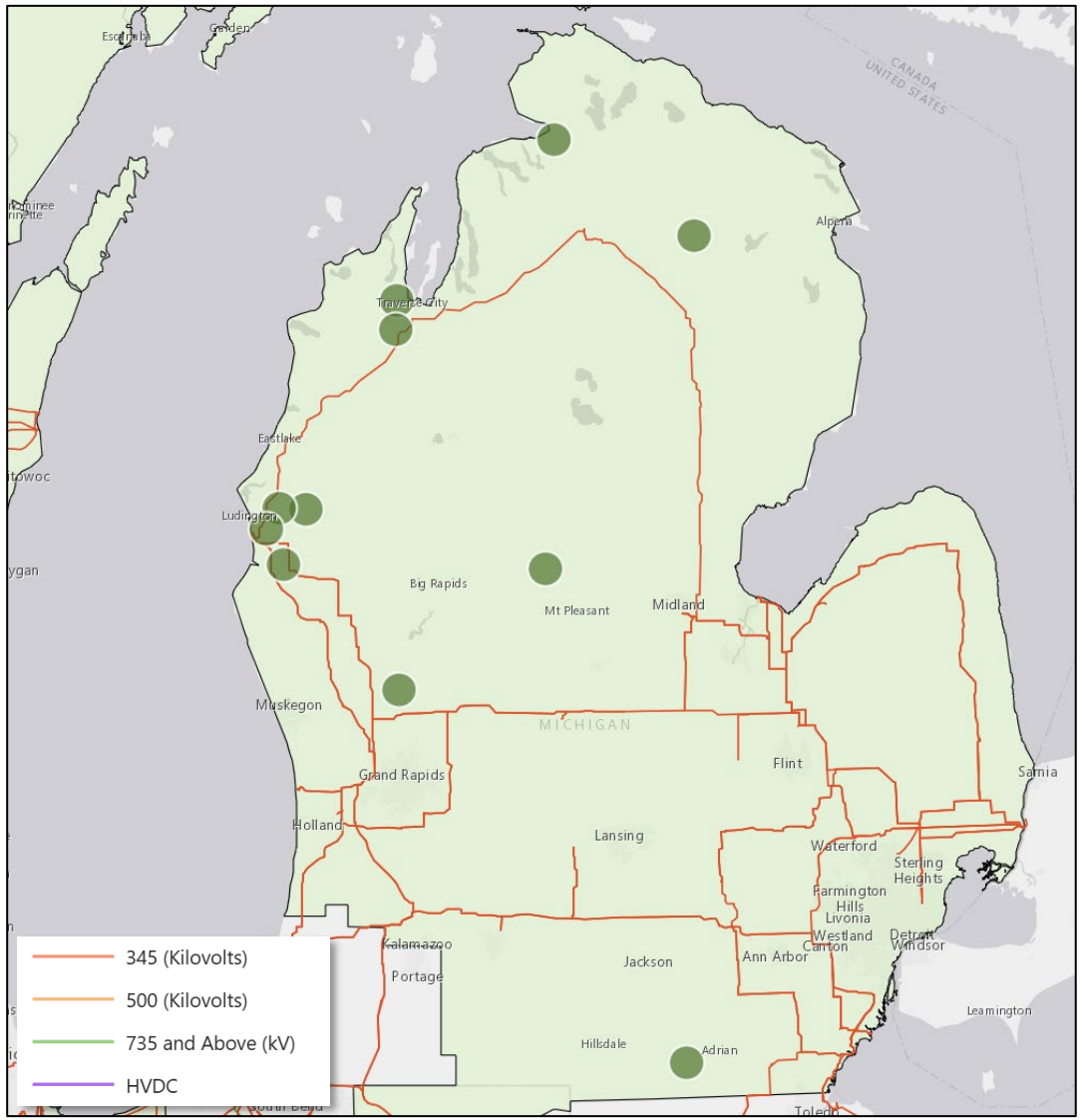

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# Wolverine Power Supply Cooperative (WPSC) Project Type Breakdown

## WOLVERINE POWER SUPPLY COOPERATIVE, INC WPST

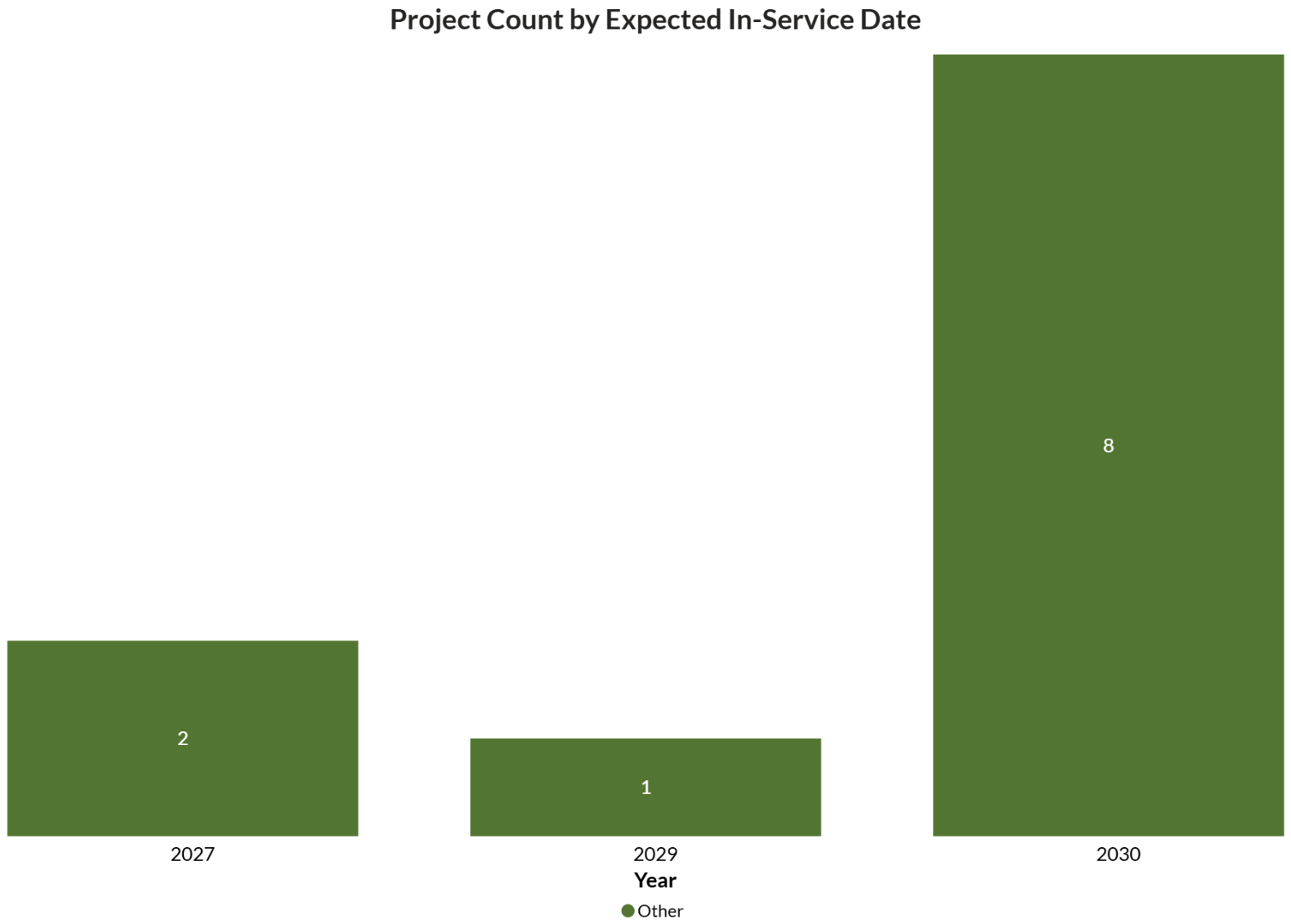
MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | |
| Other | 11 |




Unlabeled

# Wolverine Power Supply Cooperative (WPSC) MTEP26 ISD Breakdown



# Other Projects Summary

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 25192 | New Dover 138 kV substation | Local Reliability | 12/31/2029 | $1.3 M |
| 50909 | Relocate Garfield substation | Local Needs | 07/01/2027 | $2.0 M |
| 50912 | Relocate Petoskey substation | Local Needs | 07/01/2027 | $2.0 M |
| 50914 | Rebuild Cedar Springs to Pierson Junction 69 kV line to 138 kV capability | Local Reliability | 12/31/2030 | $22.2 M |
| 50915 | Rebuild Grawn - Lake Ann 69 kV line to 138 kV capability | Age and Condition | 12/31/2030 | $13.0 M |
| 50916 | Rebuild Fountain Tap 69 kV Radial to 138 kV capability | Age and Condition | 12/31/2030 | $6.0 M |
| 50917 | Rebuild Weare - Crystal Valley Junction 69 kV line to 138 kV capability | Age and Condition | 12/31/2030 | $5.0 M |
| 50918 | Rebuild Riverton Tap 69 kV Radial to 138 kV capability | Age and Condition | 12/31/2030 | $7.0 M |
| 50919 | Rebuild Victory - Victory Junction 69 kV line to 138 kV capability | Age and Condition | 12/31/2030 | $5.0 M |
| 50920 | Rebuild Stevenson Tap 69 kV Radial to 138 kV capability | Age and Condition | 12/31/2030 | $12.0 M |
| 50921 | Reconfigure Atlanta substation | Local Needs | 12/31/2030 | $1.0 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.

Unlabeled

# Questions?



Ganga Jayarathna
Engineer – Expansion Planning

Amanda Schiro
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

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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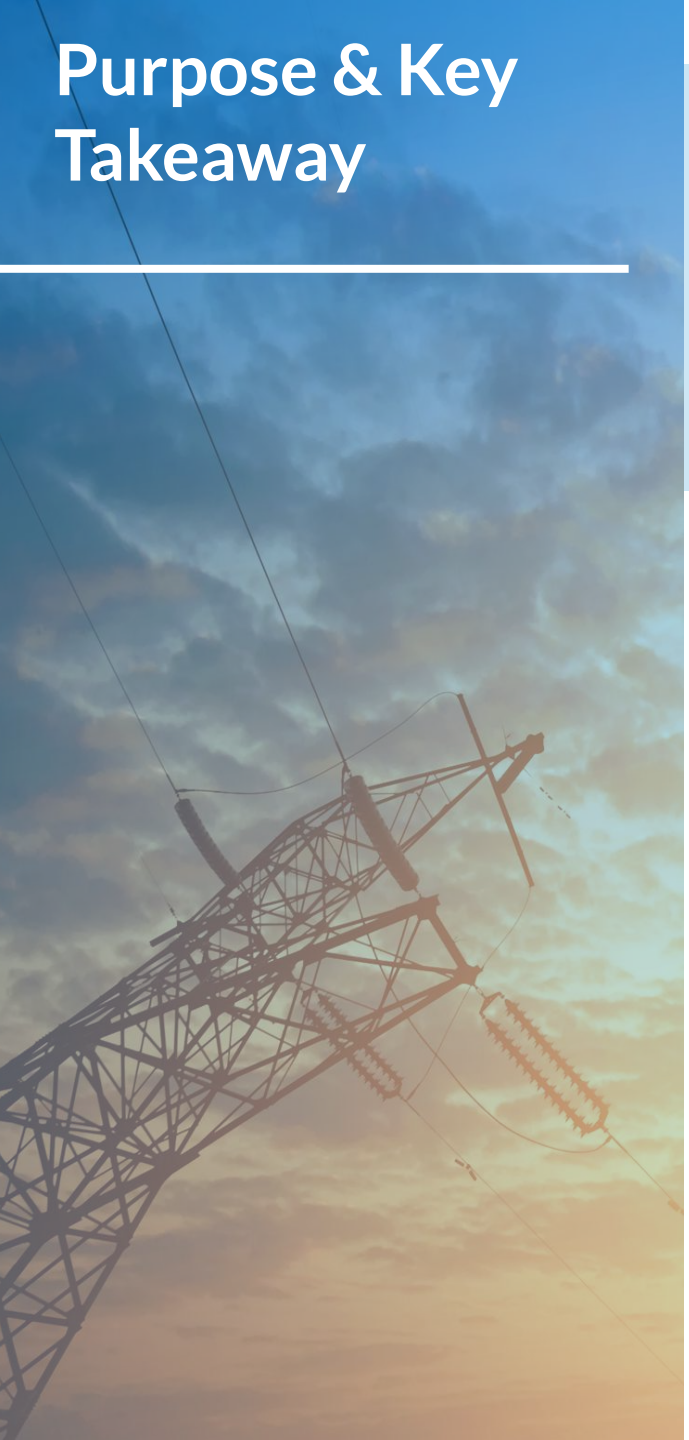

# MTEP26 Reliability Planning Scope Overview

3rd South Subregional Planning Meeting (SSPM3)

Friday, September 4, 2026

Slide 6 updated 9/2/26

# Purpose & Key Takeaway



## Purpose

Present MISO's final MTEP26 project recommendations for December Board approval

## Key Takeaways

- 562 new Appendix A projects are targeted for MTEP26
  - Of those, 103 are proposed in the South region
- Today's focus is to review projects MISO is recommending for MTEP26 Appendix A
- In December, MISO staff will present the recommended MTEP26 Appendix A projects, as well as the report, for Board approval
- The interactive MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026



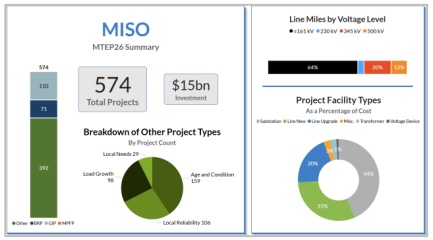
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# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

**Local Reliability Journey Begins Here**

**TO/MP Submit Project Proposals**
***Sept. 15th***

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**We are here (SPM3)**

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

MTEP Report ★

| 2025 | | | | | | | | | | | | 2026 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

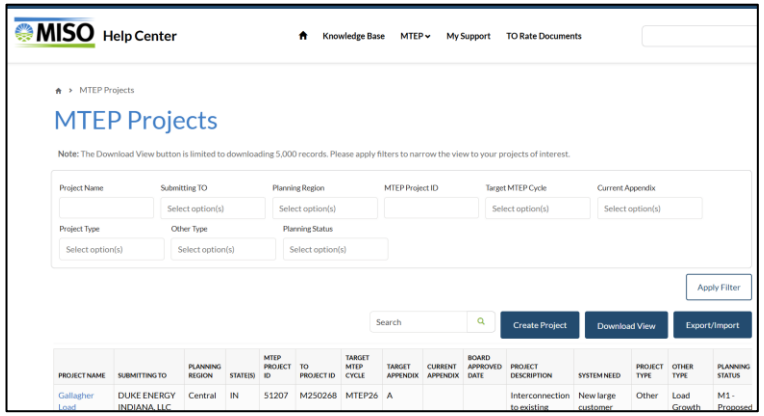
**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

**Present Day**

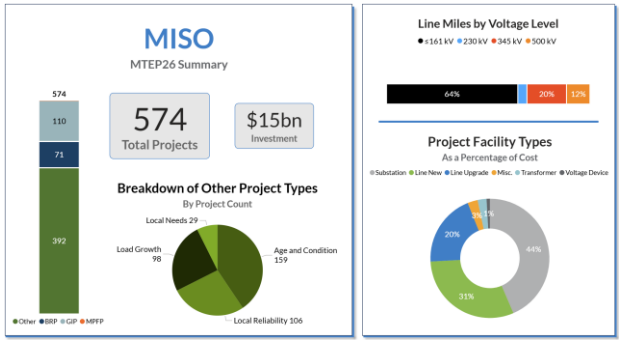
TO = Transmission Owners MP = Market Participants SPM = Subregional Planning Meeting
TPL is a NERC Reliability Standard for Transmission Planning

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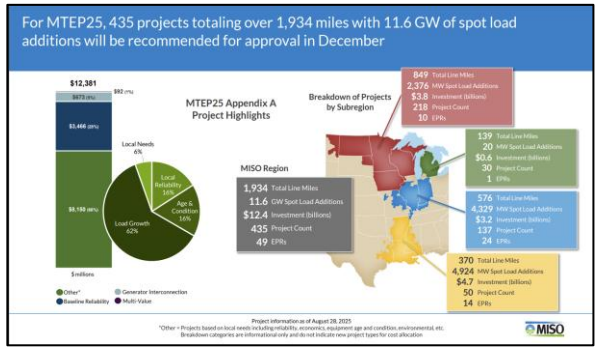
# The MTEP Portal houses and drives all data and communication outwardly, reducing the risk of data errors



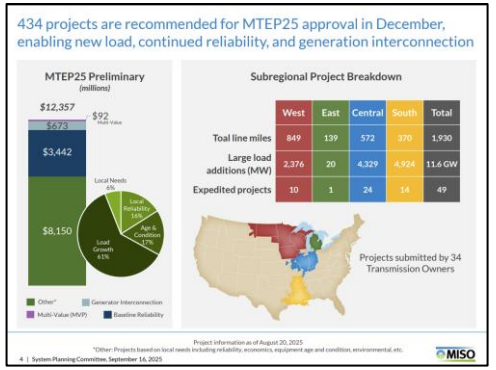

Subregional Planning Meeting (SPM)



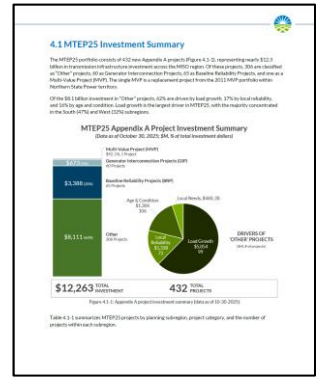

Planning Advisory Committee (PAC)




System Planning Committee (SPC)



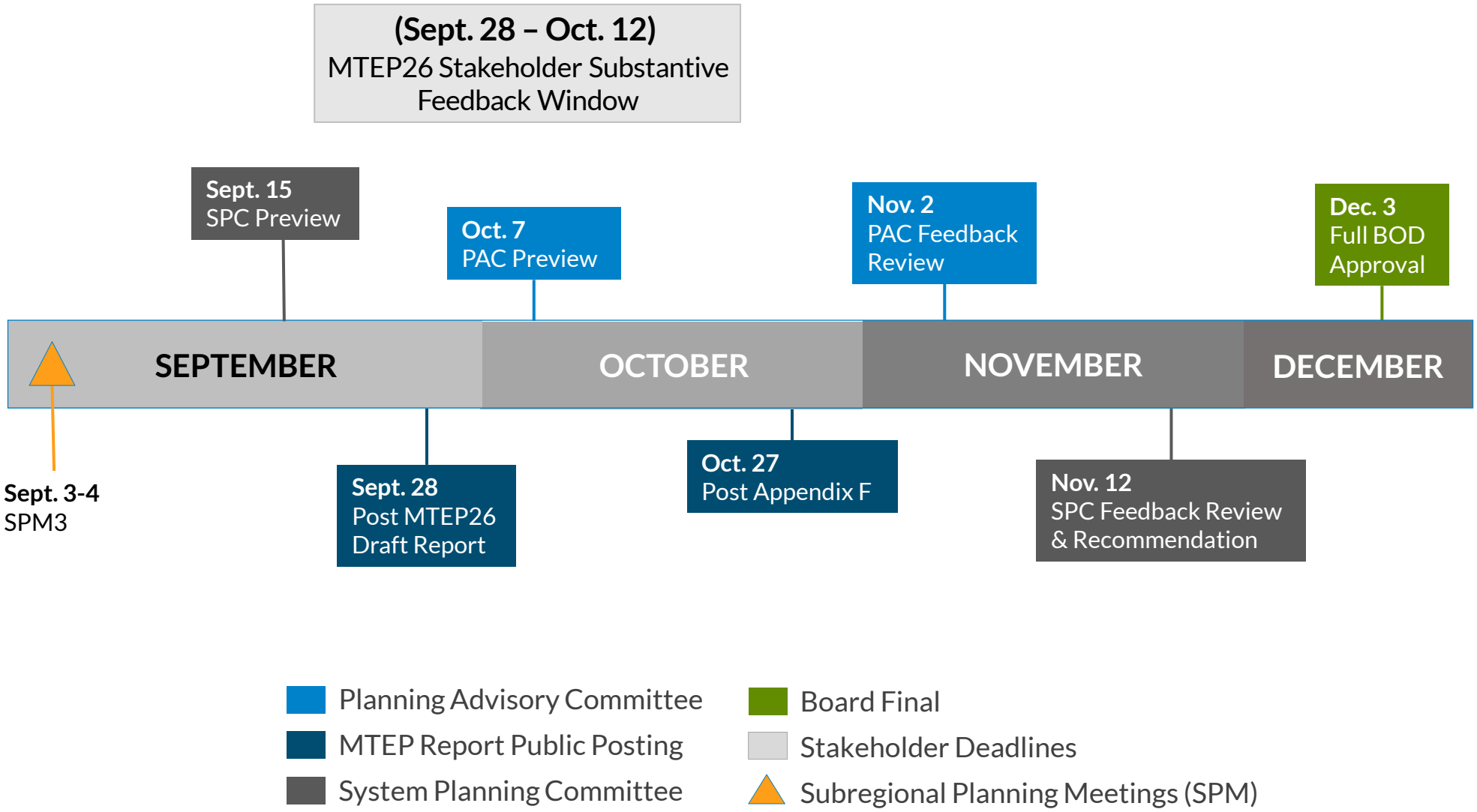

Official MTEP Report






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# MTEP26 Report schedule meets the December Board approval deadline




Dates as of 5/15/2026



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# MTEP27 Study Scope Development

- Each year, in accordance with Section 2.8.2.1 of the MISO Transmission Planning Business Practice Manual, MISO requests feedback regarding the study scope for the MISO Transmission Expansion Plan (MTEP).
- While the MTEP scope is fixed in part by provisions of the Owners Agreement, Tariff, and Business Practices Manuals, additional study items may be added, as necessary, from cycle-to-cycle.
- In addition to the core MTEP studies, MISO will resume the Long-Range Transmission Planning study under LRTP Midwest and South
- MISO will continue Interregional Planning efforts including a Coordinated System Planning Study with SPP. The Scope will be set in Q4 2026
- Scope input received in stakeholder forums will be presented for discussion at the Planning Advisory Committee later this fall.


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# Stakeholder Feedback Request

- MISO requests feedback by October 29, 2026, on MTEP27 study scope focus on additional/modified planning study work.
- Feedback requests and responses are managed through the Feedback Tool on the MISO website: https://www.misoenergy.org/engage/stakeholder-feedback/2026/psc-mtep27-targeted-study-scope-development-20260722/
  - For comments on MISO's planning policies or processes, use the *Informal Feedback* request on the tool.

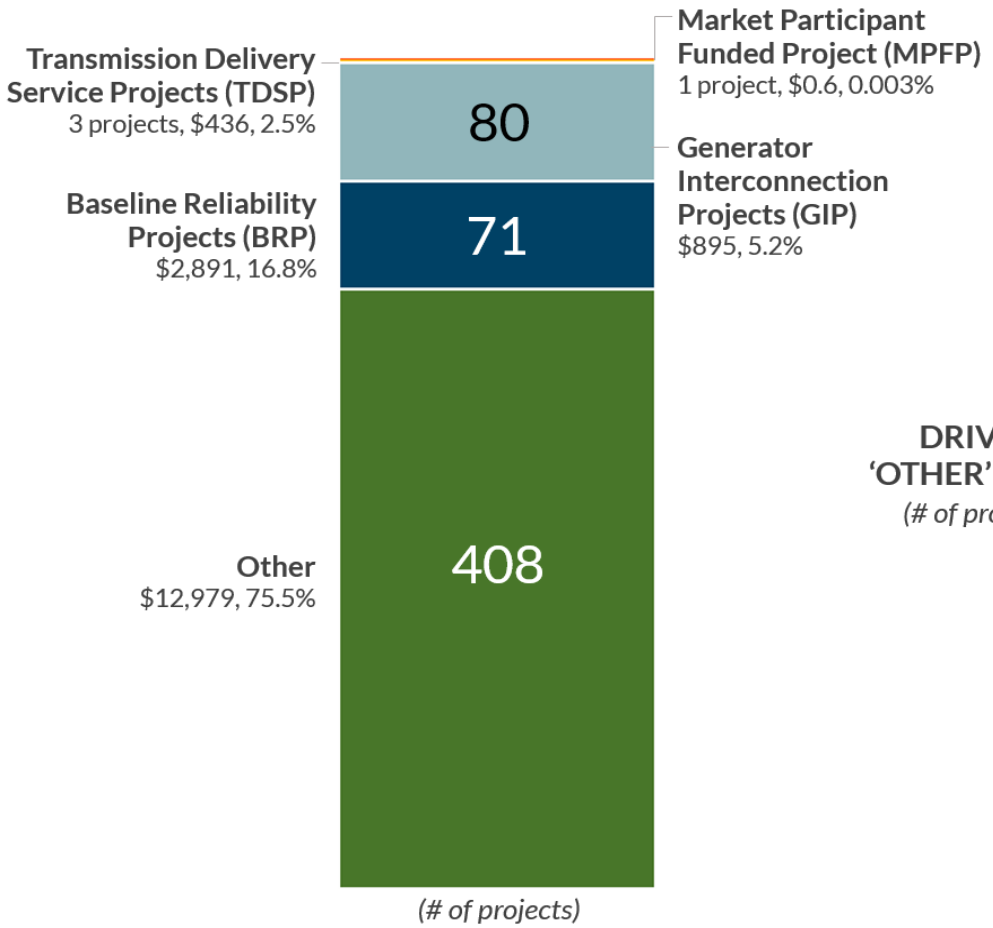
# MTEP26 Overview



# MTEP26 Appendix A consists of 562 projects that are being recommended for Board approval in December

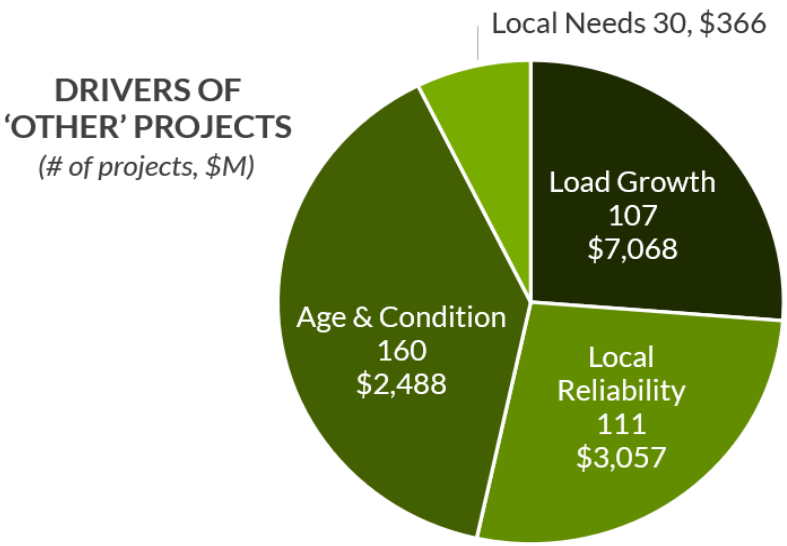
## MTEP26 Appendix A Project Portfolio Summary

*(Data as of August 19, 2026; # of projects, $M, % of total investment dollars)*



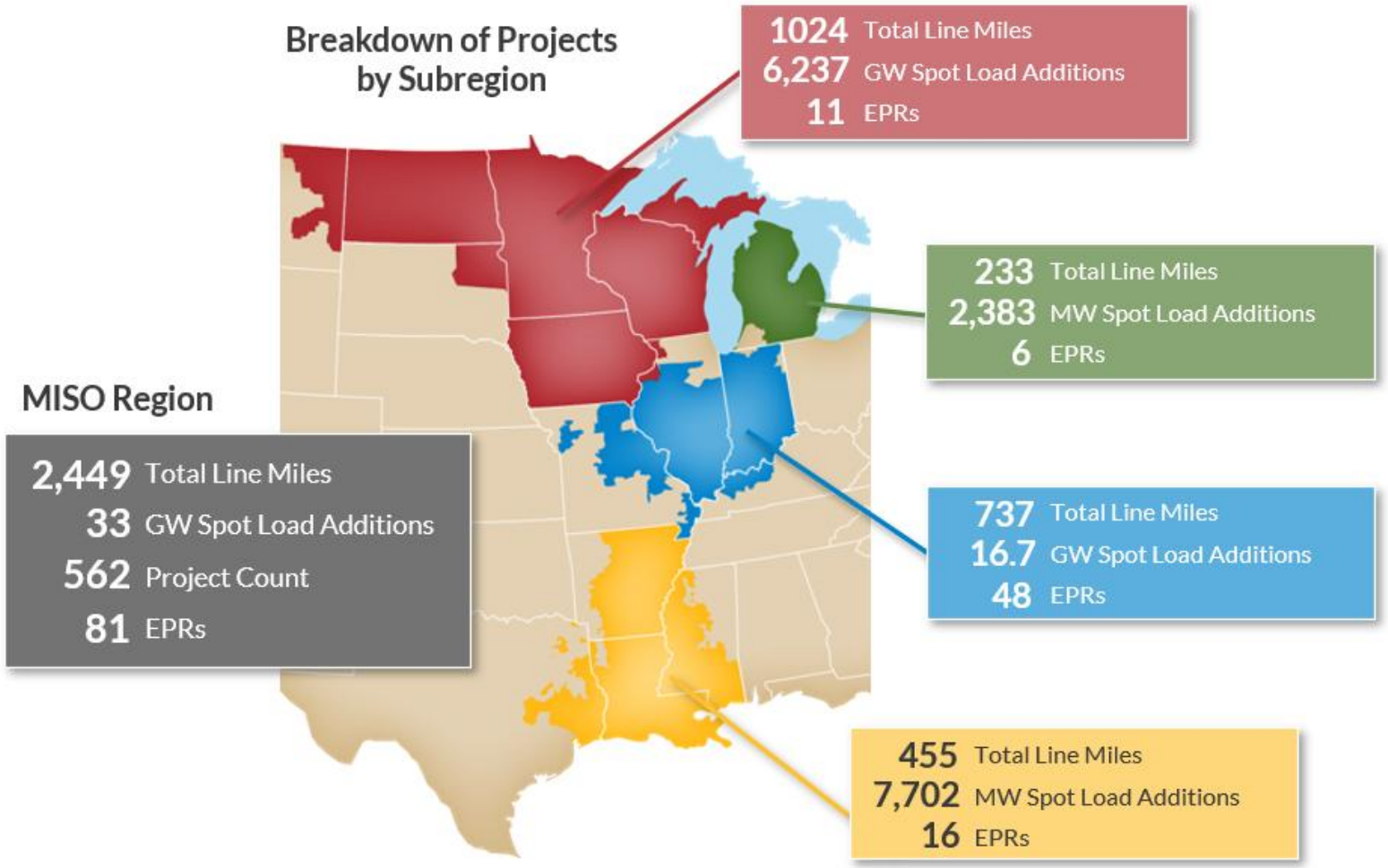

**562**
Total Projects

**$17,202**
Total Investment ($M)




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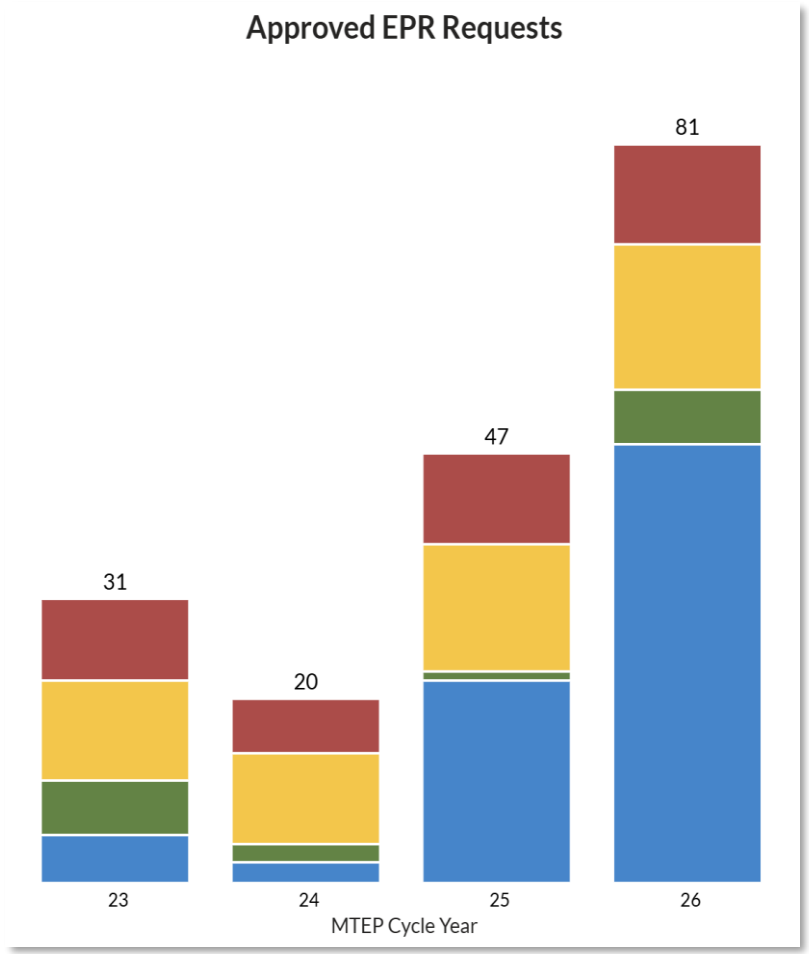
# MTEP26 Appendix A consists of 562 projects that are being recommended for Board approval in December

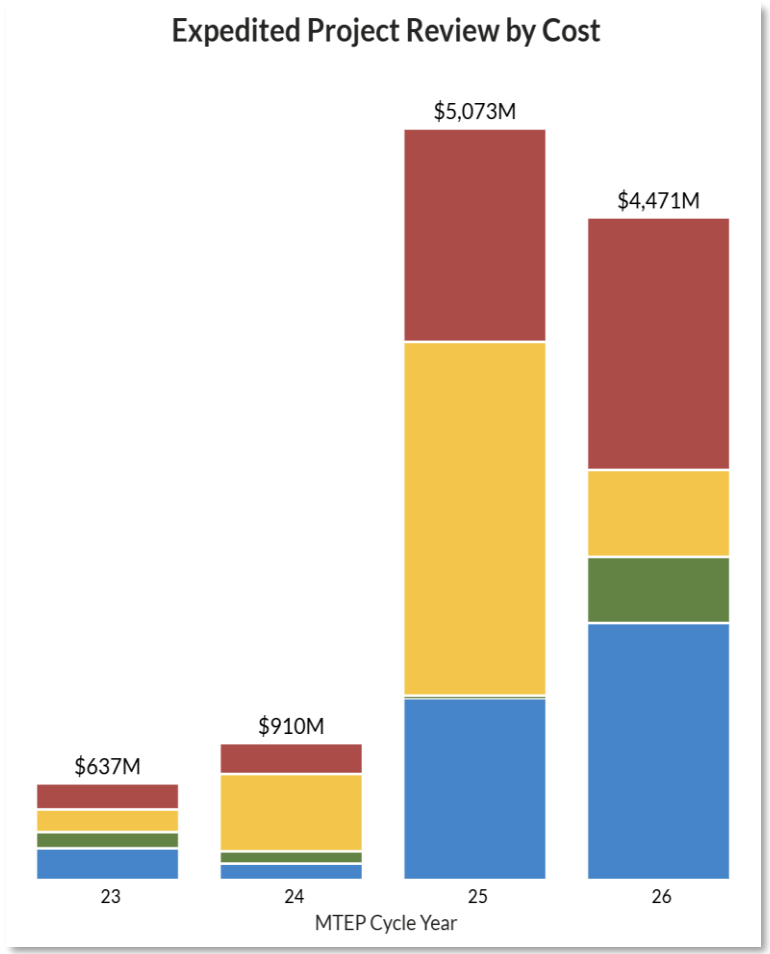


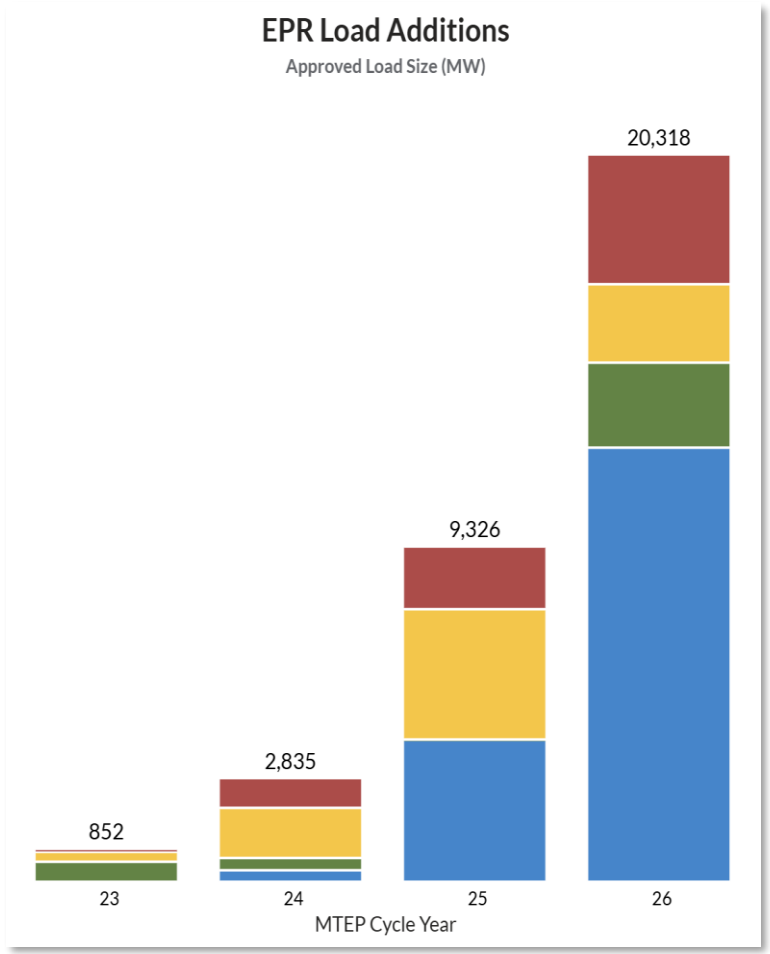



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# Expedited Project Review (EPR) requests continue an upward trend and are driven by load growth



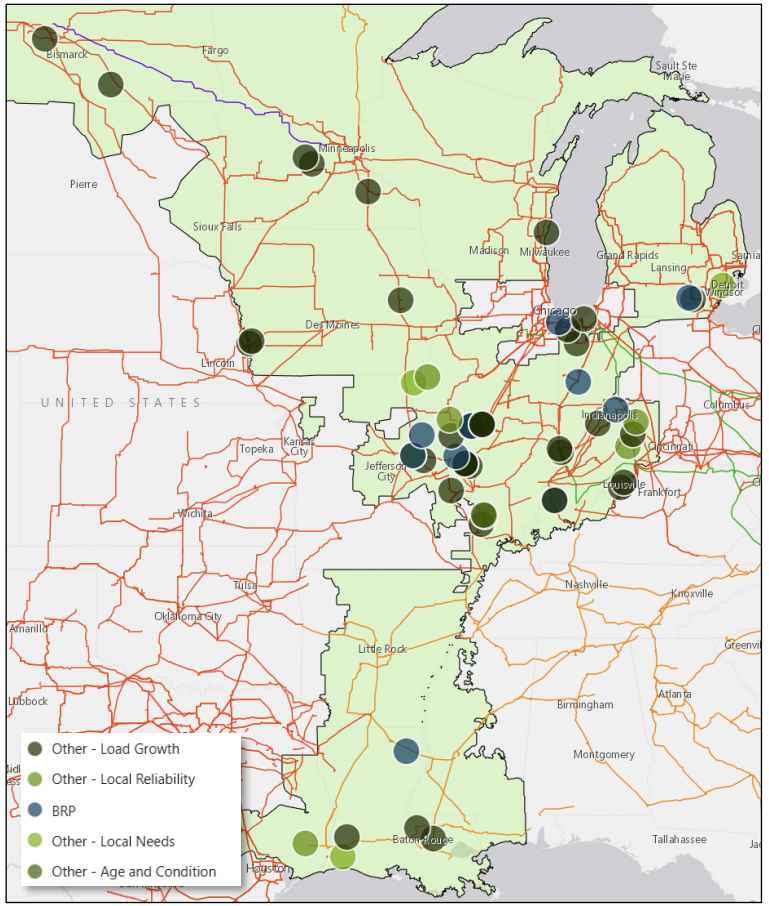

West East Central South

Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

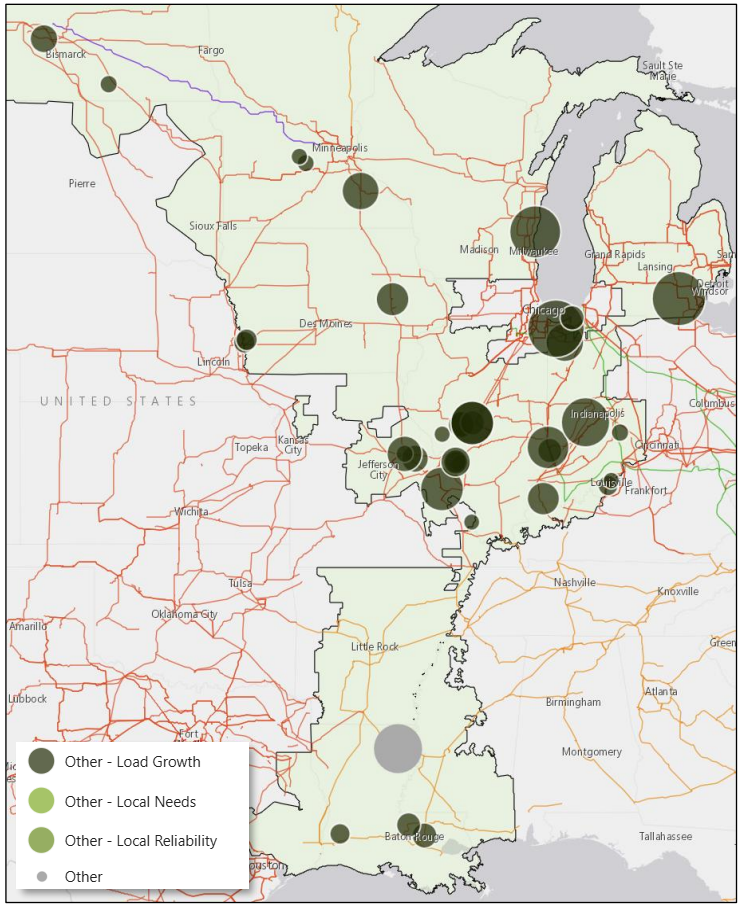
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# Expedited Project Reviews requests span the entire MISO footprint

## MTEP26 EPR Locations




## MTEP26 EPR Spot Load Locations



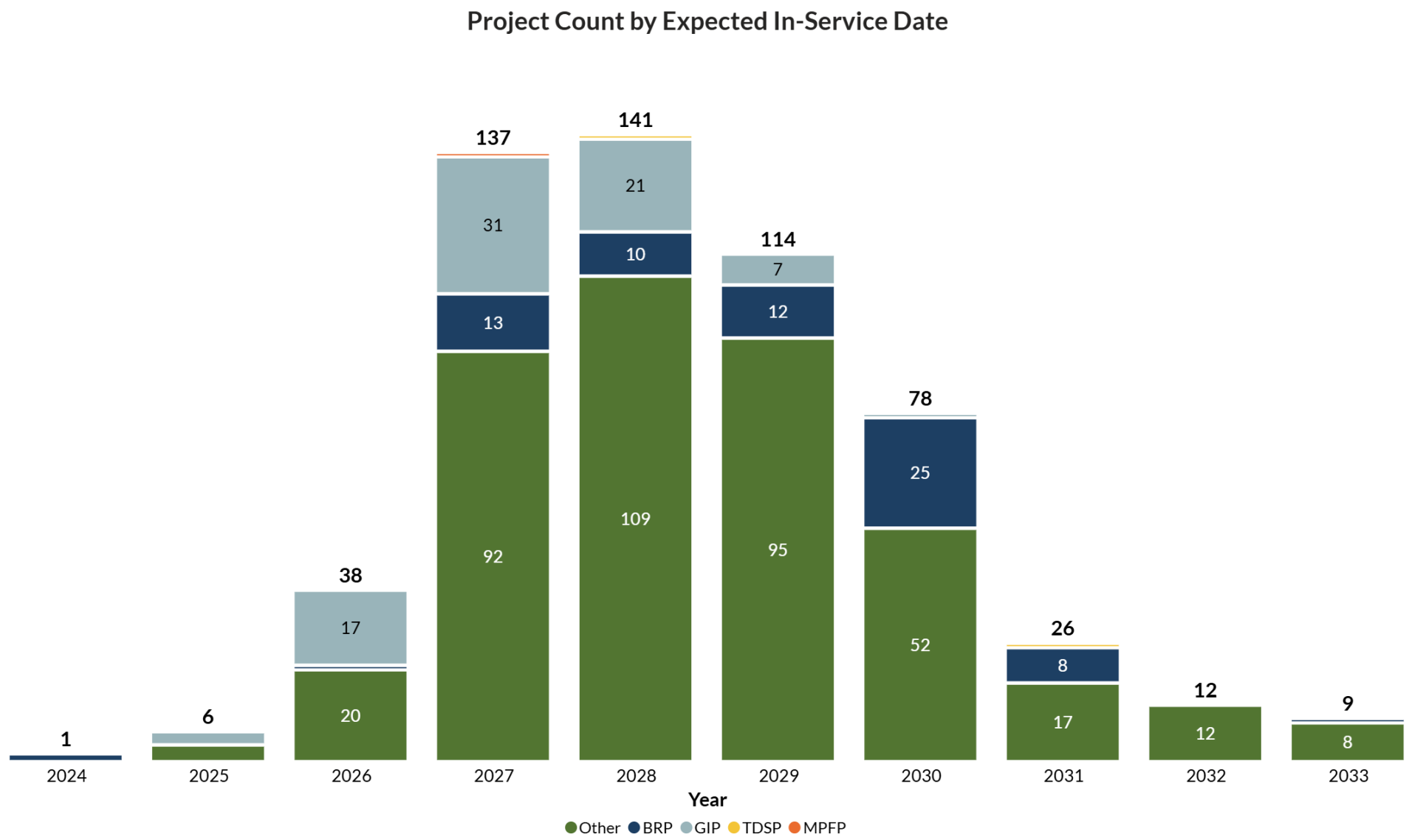

*Scaled by Load Size*

| Upcoming EPR Schedule | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| September 8, 2026 | |
| October 6, 2026 | October 1, 2026 |
| November 3, 2026 | |
| December 1, 2026 | December 1, 2026 |

Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

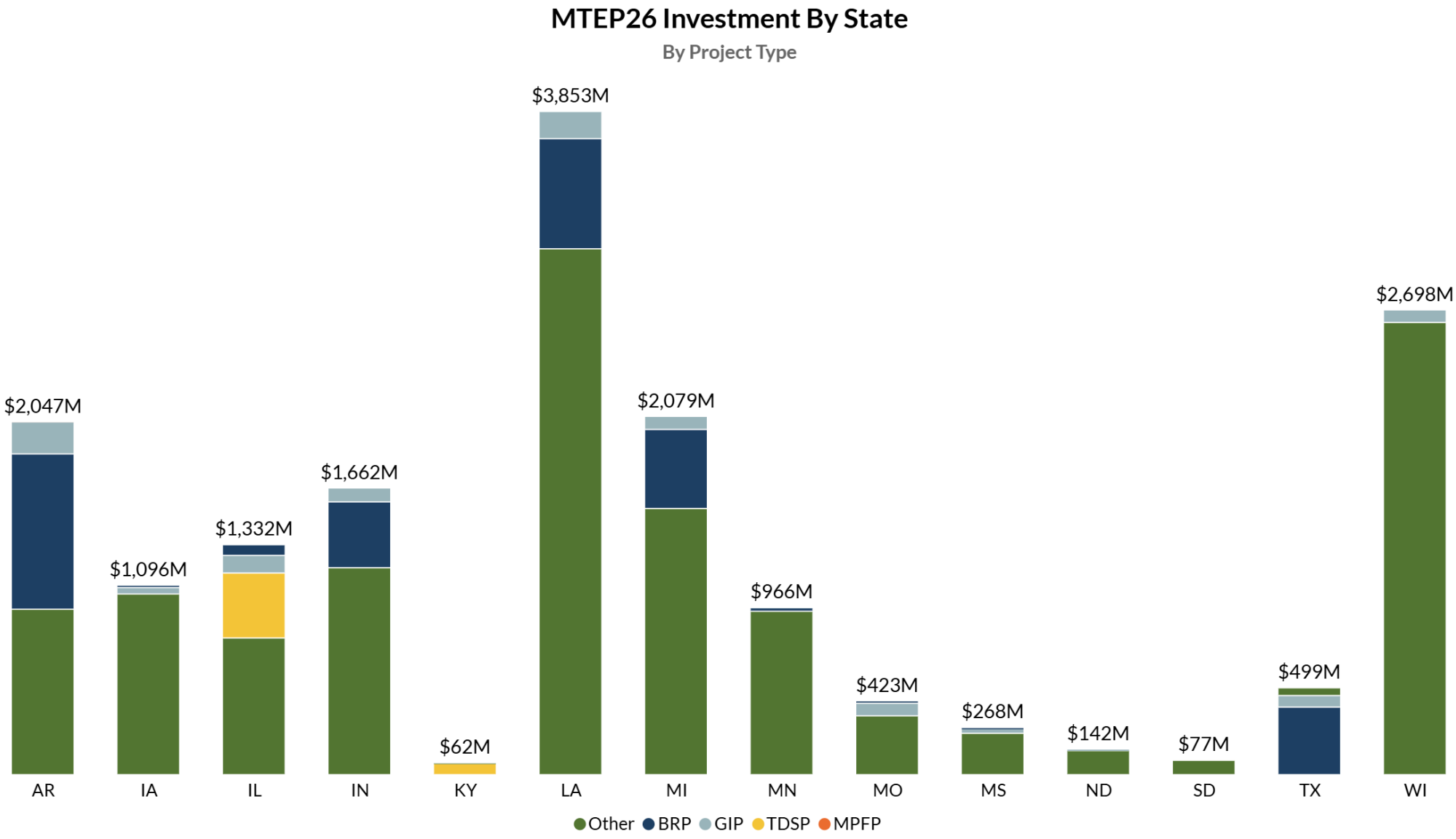
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# MISO Region: Summary of MTEP26 Appendix A Projects



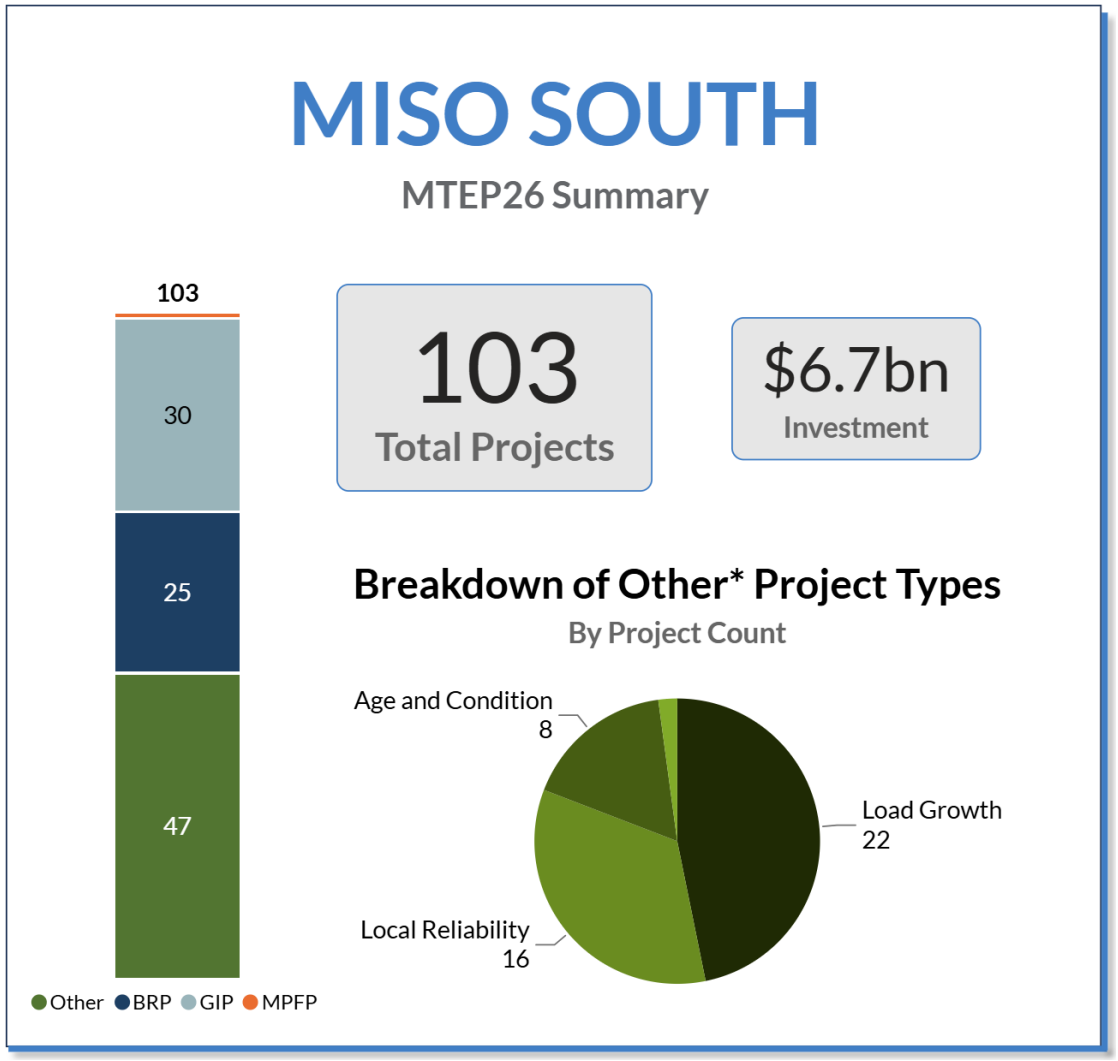

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# MISO Region: Summary of MTEP26 Appendix A Projects




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# South: Summary of MTEP26 Appendix A Projects




## South Region Insights

- Load Growth projects continue to dominate the South Region
- The majority of new and impacted transmission line miles are at the 500 kV level
- MTEP26 will include over 7500 MW of new spot load in the South
- Sharp increase in GIPs in the Arkansas region

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MTEP Portal.
Project information as of 8/19/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.



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# Important Reminder and Next Steps

## Things to keep in mind as all MISO Planners present individual TO presentations

- Present projects submitted for MTEP26 approval and describe any proposed alternatives
- MISO identified N-1-1 reliability issues and is developing corrective action plans with collaboratively with TOs
- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026. To view all MTEP project details, please visit the MTEP Portal.
- Today's recommended project information will be used in the MTEP26 Report

## Next Steps

### MISO

- Continue independent reliability assessment to identify solutions for issues seen in the paired contingency runs
- Finalize the MTEP26 Report
- Recommend MTEP26 projects for Board of Directors approval

### Stakeholders

- Provide inputs on identified issues from the paired contingency runs
- Provide input on the MTEP26 Report (Publish date is scheduled for Sep. 28, stakeholder feedback window is Sep. 28 – Oct. 12)



Unlabeled

# Questions?



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Manager – MISO Expansion Planning South

Zack Bearden
Senior Planning Engineer

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MISO

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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# MTEP26 Project Information – Louisiana

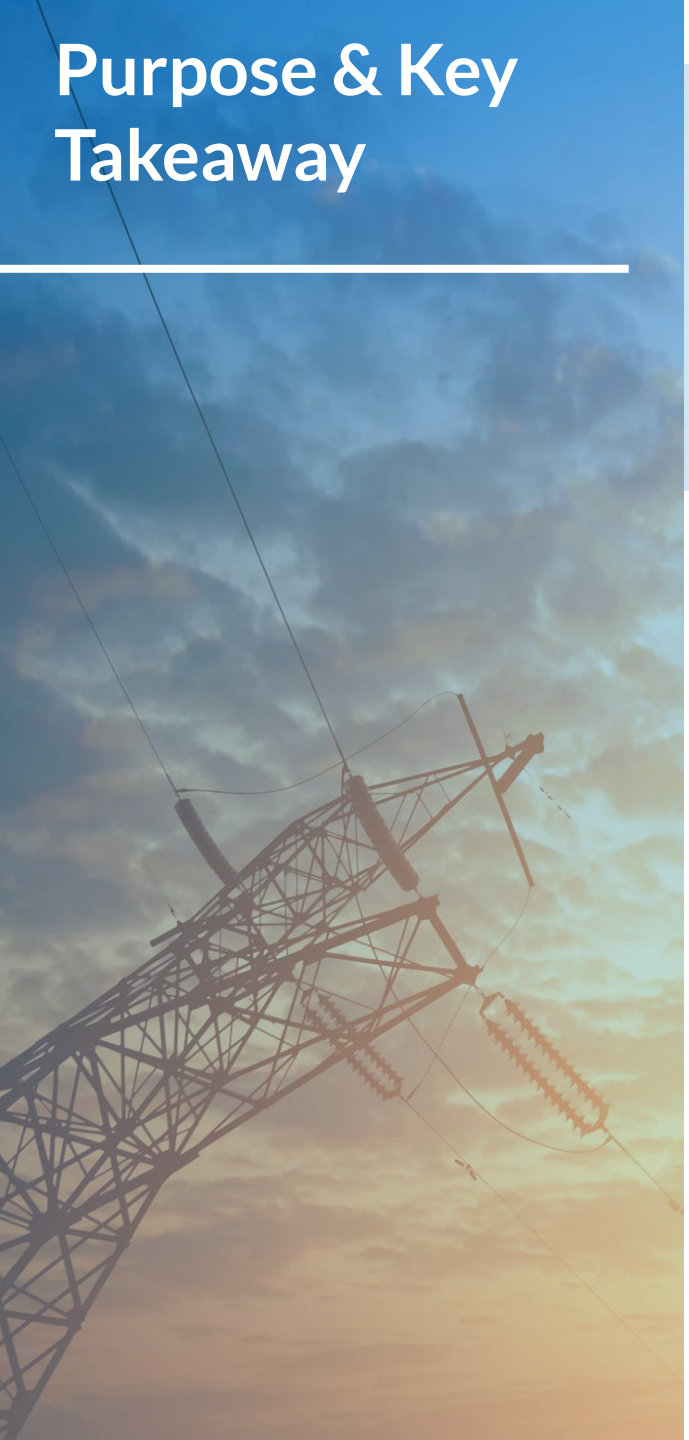
Slide 20

Updated 9/8/2026

3rd South Subregional Planning Meeting

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.



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# Louisiana Region Overview

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



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

- Entergy Services, LLC (EES-LA): 32 submitted projects at an estimated cost of $4.5 billion
- 1803 Electric Cooperative, Inc. (LATO): 14 submitted projects at an estimated cost of $155 million
- CLECO Power, LLC (CLEC): 3 submitted projects at an estimated cost of $117 million
- Lafayette Utilities System (LAFA) & City of Alexandria, LA (COA) did not submit projects for consideration in MTEP26

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# Entergy Services, LLC (EES-LA)

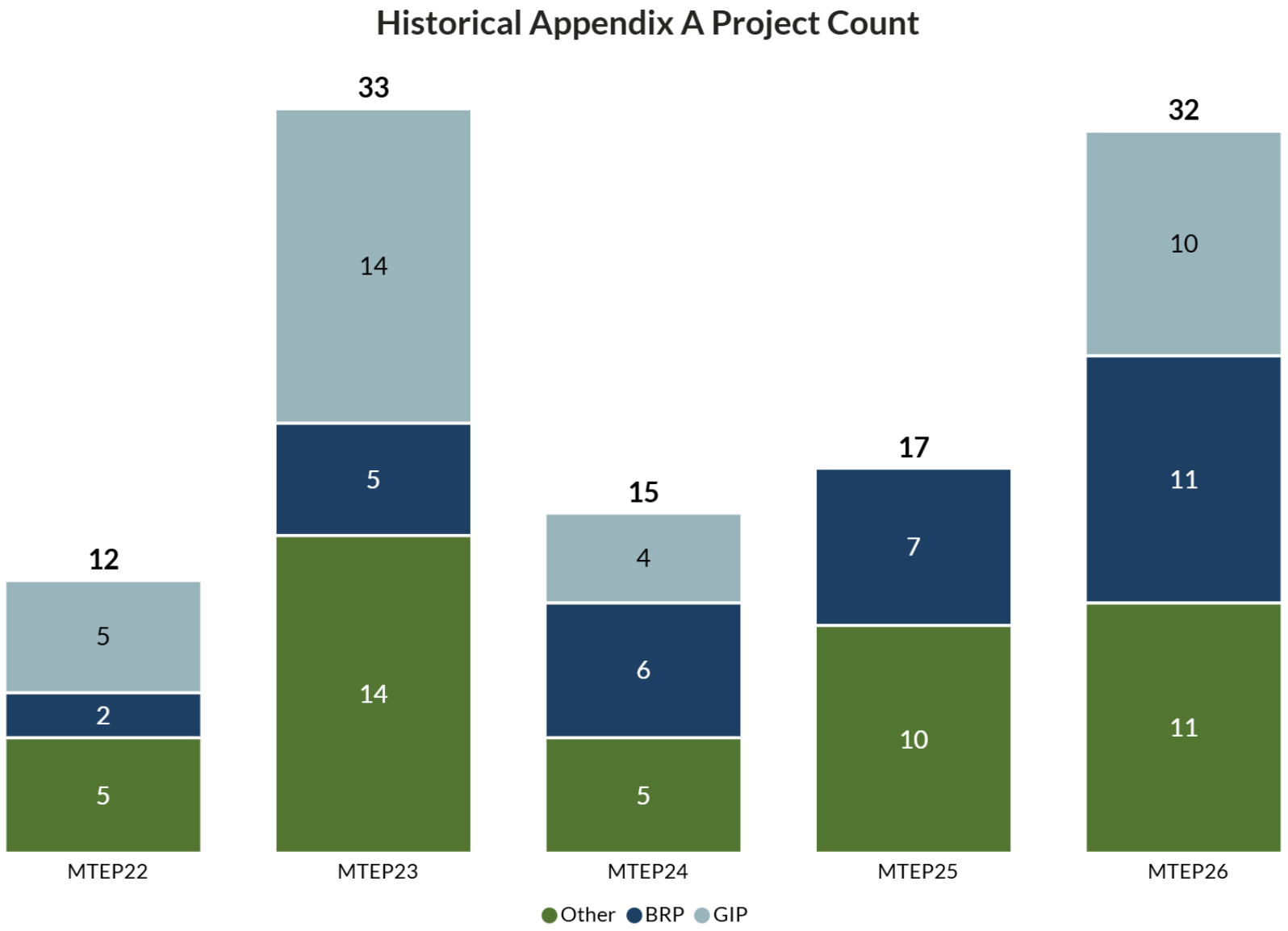
# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50942 | Holiday to Billeaud 69kV Upgrade | BRP | Need Date from 12/15/2030 to 12/15/2028 |
| 50779 | Riddle 230 kV Station and Line Upgrade | Other – Load Growth | Expected ISD from 6/1/2026 to 5/18/2026<br>Planning Status from M2 - Appendix A Approved to M4 – Project in Service |
| 51311 | DEMCO Juban Trails 500-230 kV Station | Other – Load Growth | Planning Status from M1 – Proposed to Withdrawn |



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# EES - LA Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

Unlabeled

# ENTERGY SERVICES, LLC.

## MTEP26 Projects

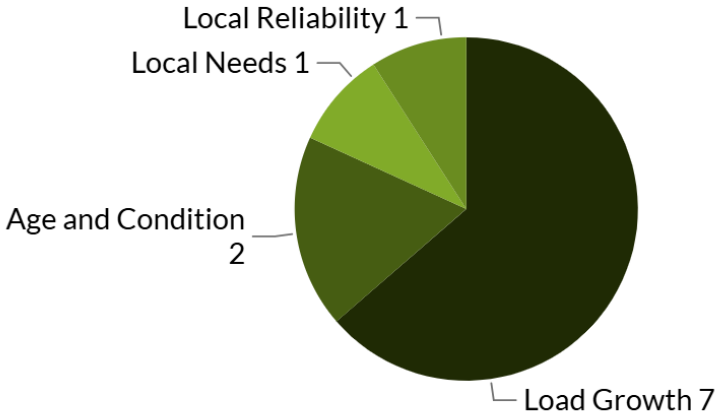



**32**
Total Projects

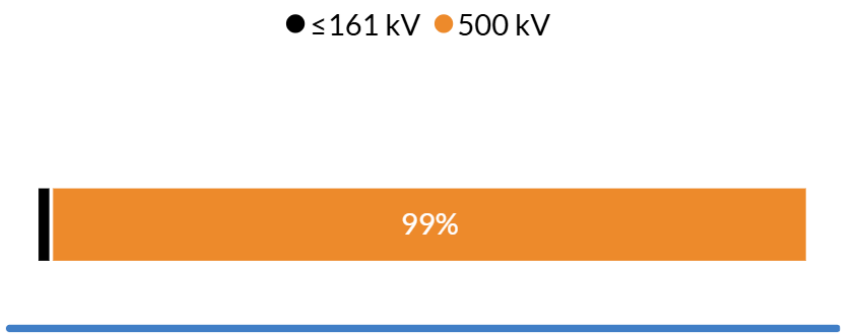
**$4,481M**
Investment

## Breakdown of Other Project Types

By Project Count

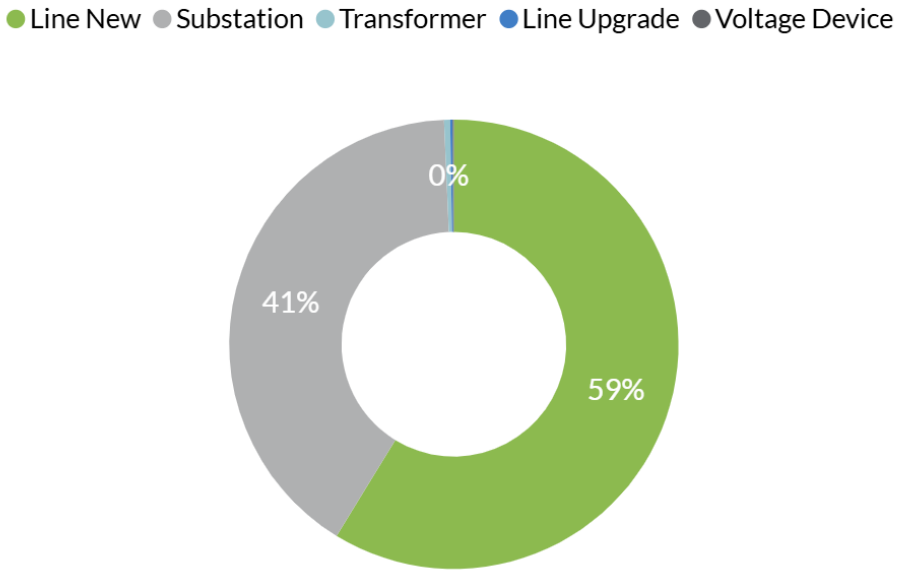



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 8/19/26.

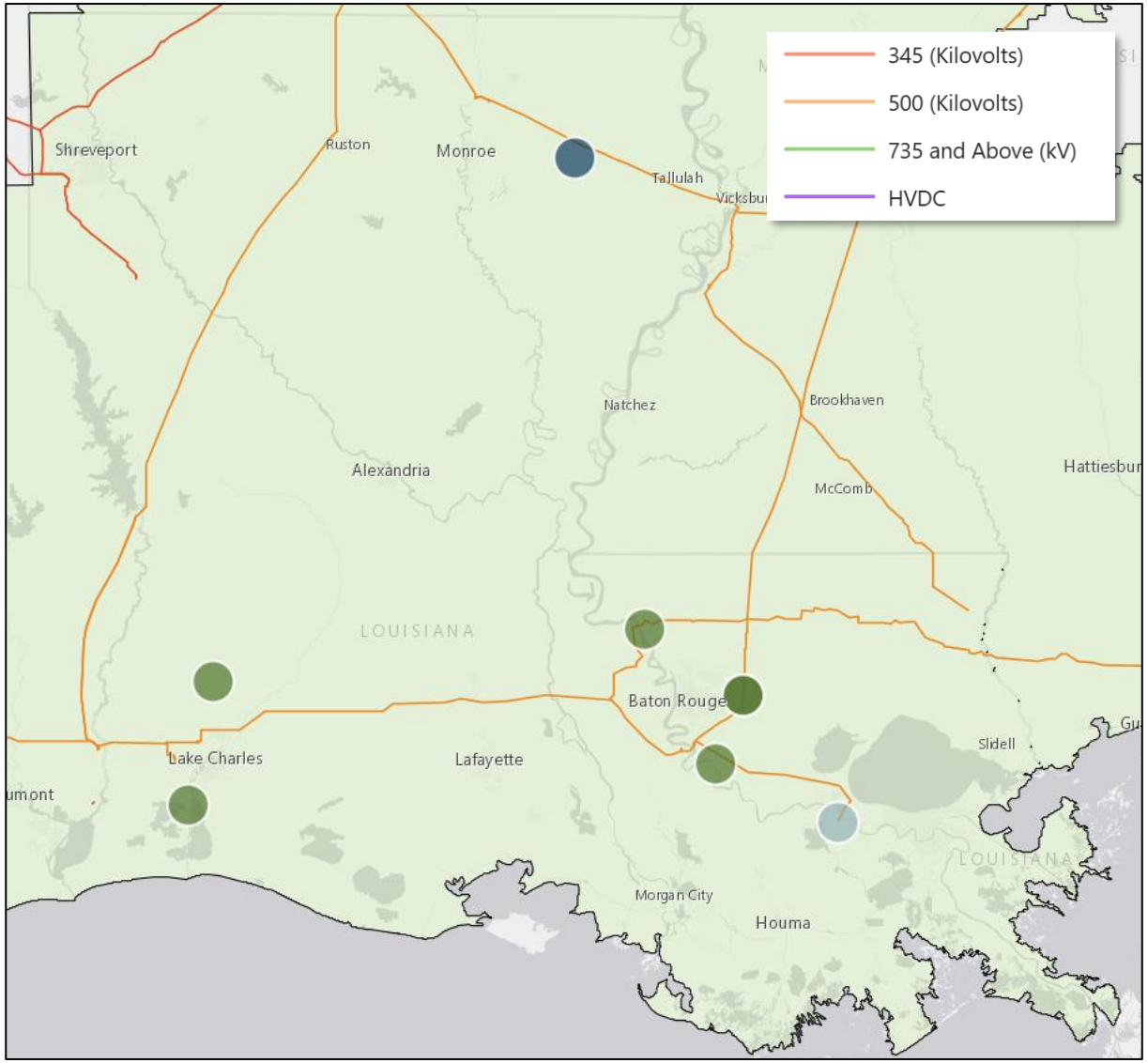
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# EES - LA MTEP26 Project Type Breakdown

## ENTERGY SERVICES, LLC.

MTEP26 Summary

| | |
|---|---|
| GIP | 10 |
| BRP | 11 |
| Other | 11 |

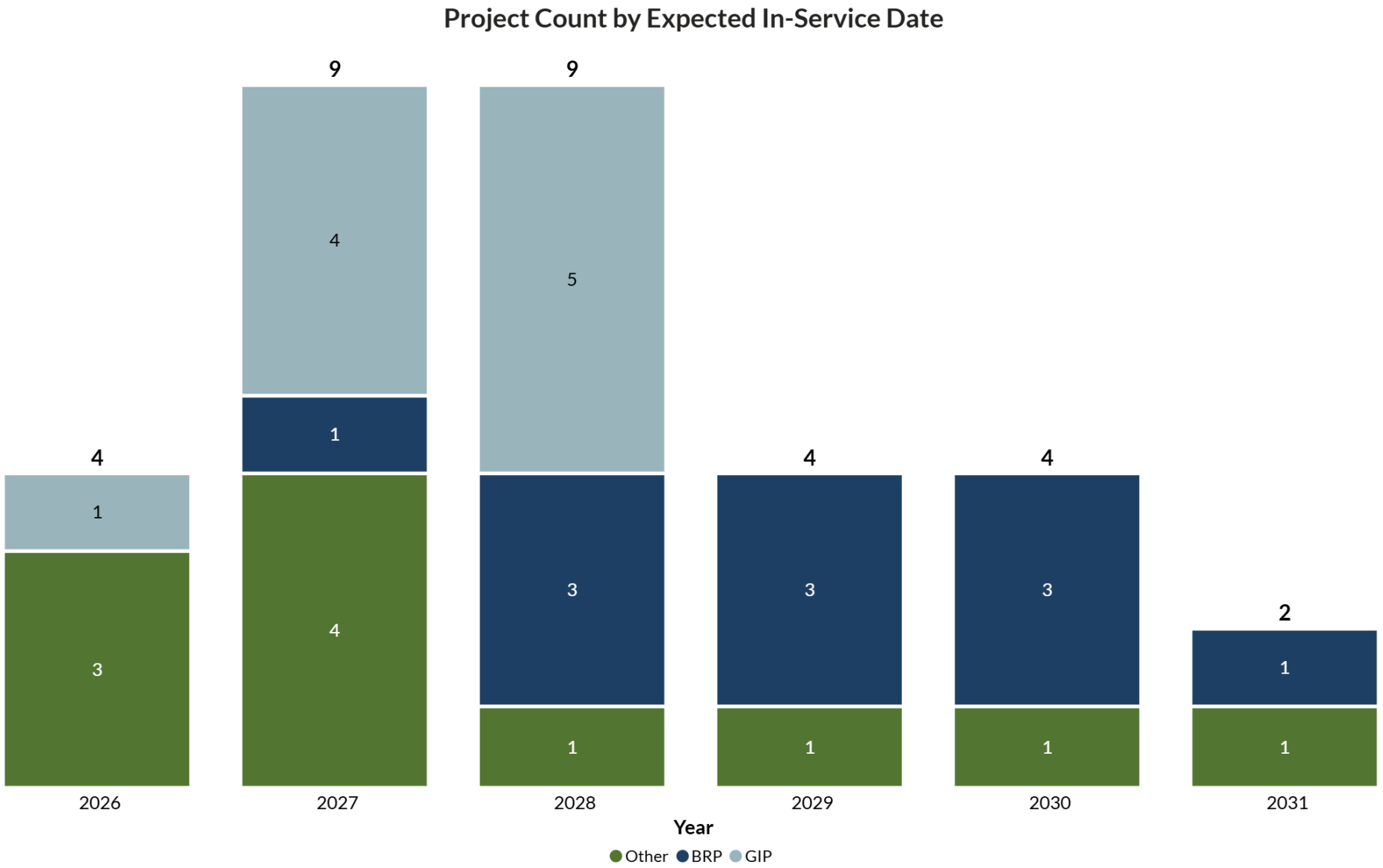



Project information as of 8/19/26.



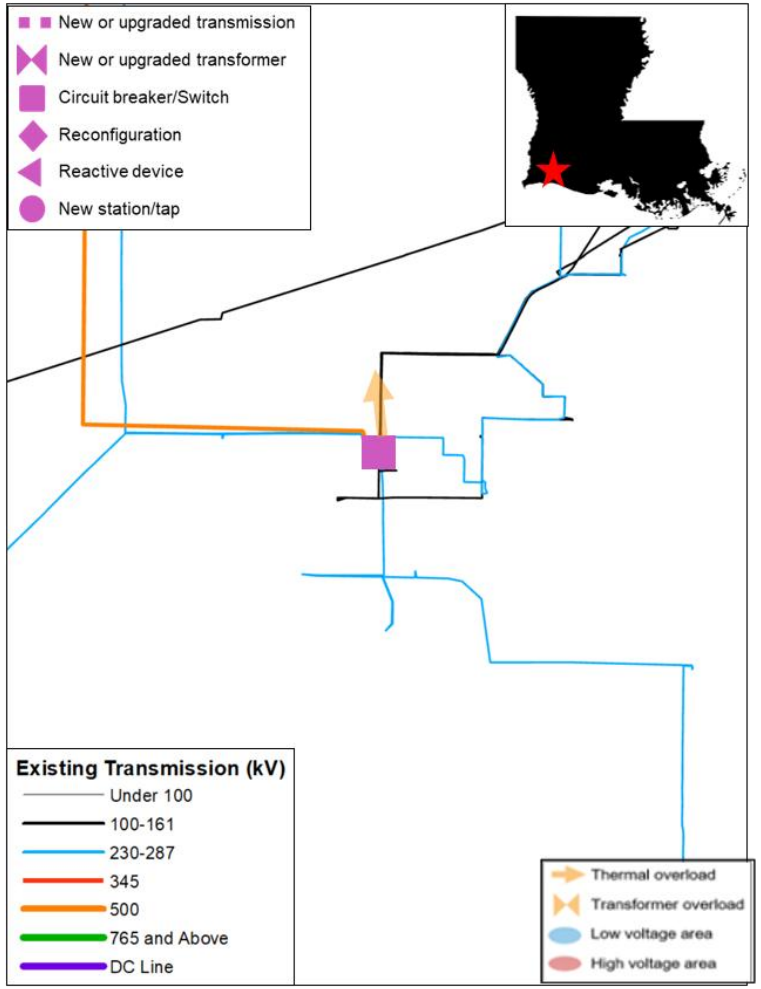
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# EES - LA MTEP26 ISD Breakdown




Project information as of 8/19/26.

# As already presented and justified, the following BRP is being recommended for Board approval

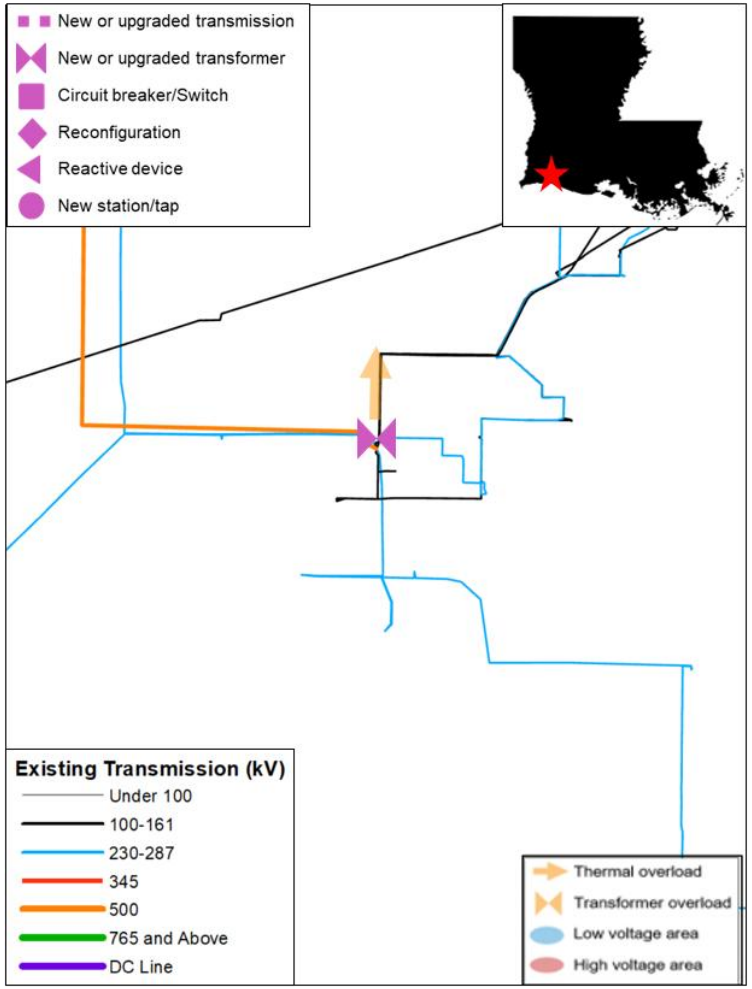



| MTEP Project ID | 50934 |
|---|---|
| Project Name | Carlyss 230 kV SPOF |
| Project Type | BRP |
| Project Description | Install a second battery bank at Carlyss 230 kV station. The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay. The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets. The DC panels cannot be wired in series or in parallel to one another. |
| Current Cost | $0.7 M |
| Expected ISD | 06/01/2028 |
| Target Appendix | A |



Unlabeled

# As already presented and justified, the following BRP is being recommended for Board approval

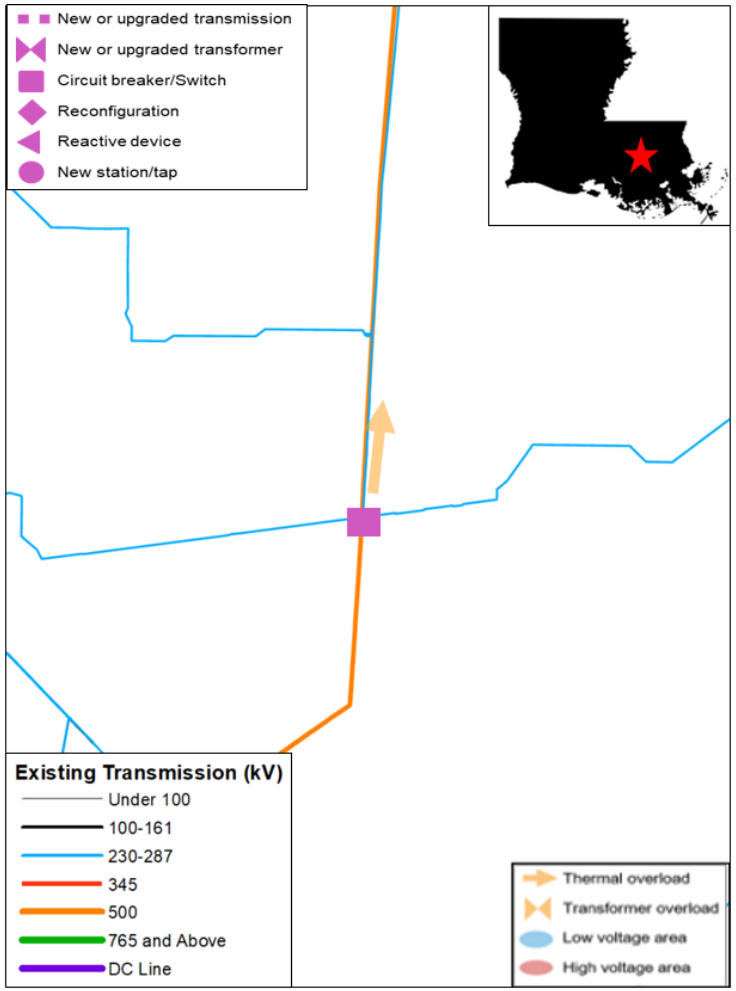



| MTEP Project ID | 50936 |
|---|---|
| Project Name | Carlyss 230-138 kV Autotransformer Upgrade |
| Project Type | BRP |
| Project Description | Upgrade Carlyss 230/138 kV Autotransformer |
| Current Cost | $19.5 M |
| Expected ISD | 12/15/2030 |
| Target Appendix | A |



Unlabeled

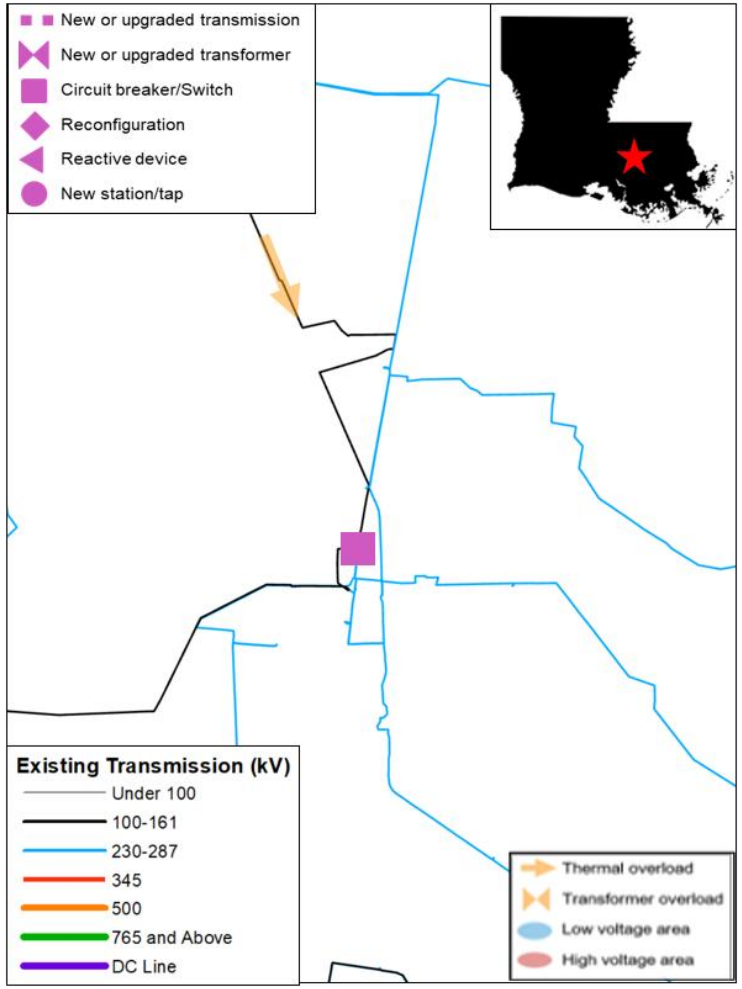
# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50937 |
|---|---|
| Project Name | Coly 500 kV GIS Bus replacement |
| Project Type | BRP |
| Project Description | Replace current obsolete 500 kV GIS with new GIS. |
| Current Cost | $75.7 M |
| Expected ISD | 06/01/2029 |
| Target Appendix | A |

Unlabeled

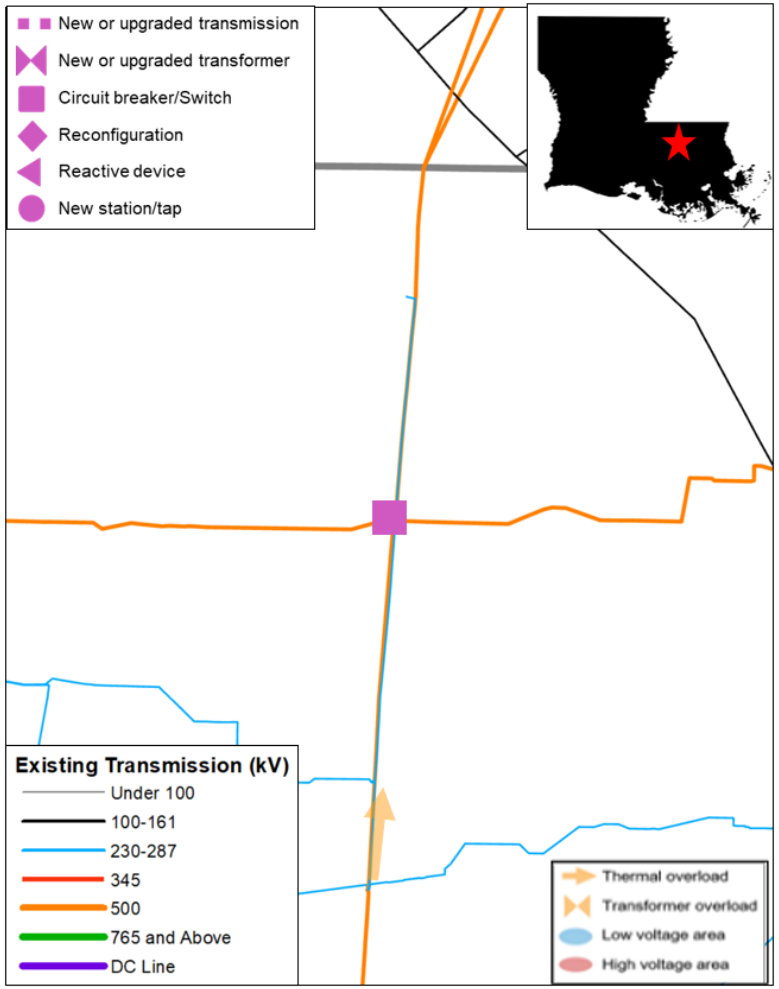
# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50939 |
|---|---|
| Project Name | Jaguar 230 kV GIS Replacement |
| Project Type | BRP |
| Project Description | Replace current obsolete GIS bus with an open air 230 kV bus.<br><br>Ensure the following scope is addressed to mitigate P5 contingency:<br>• Install a second battery bank at Jaguar 230 kV station<br>• The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay<br>• The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets<br>The DC panels cannot be wired in series or in parallel to one another. Additional scope to ensure redundancy of the relays and its components will be identified by relay design. |
| Current Cost | $37.6 M |
| Expected ISD | 02/28/2029 |
| Target Appendix | A |

Unlabeled

# As already presented and justified, the following BRP is being recommended for Board approval

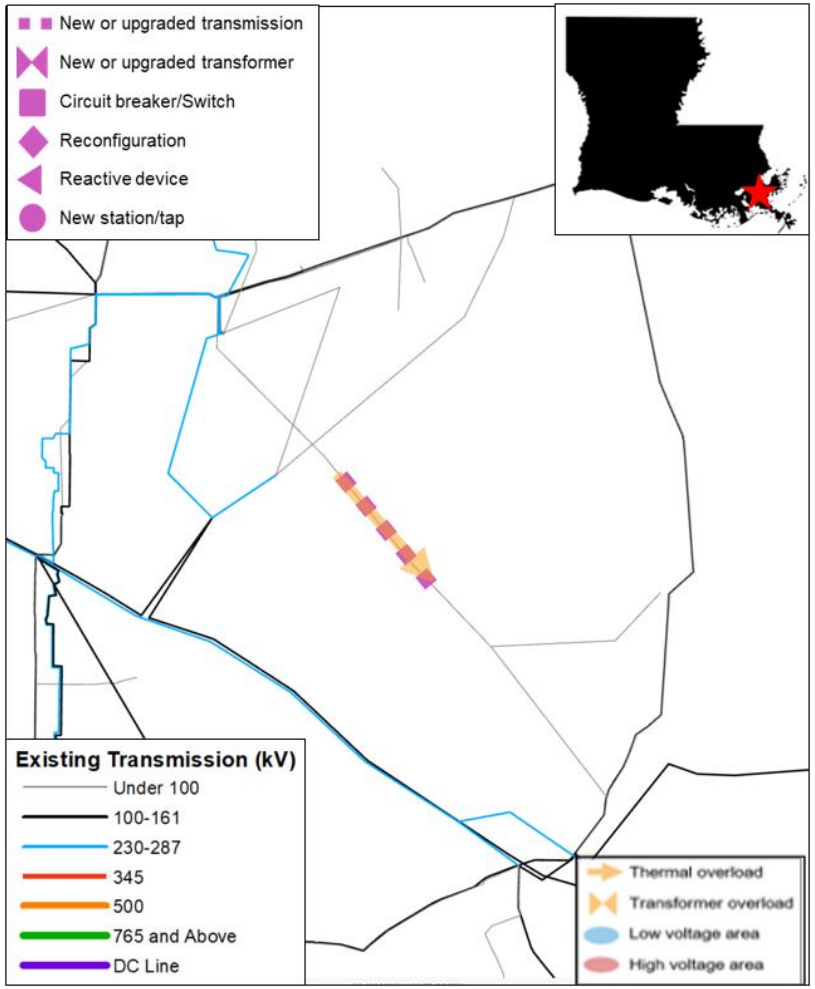



| MTEP Project ID | 50940 |
|---|---|
| Project Name | McKnight 500 kV GIS Replacement |
| Project Type | BRP |
| Project Description | Replace current obsolete GIS bus with an open air 500 kV bus. |
| Current Cost | $59.7 M |
| Expected ISD | 12/31/2027 |
| Target Appendix | A |



Unlabeled

# As already presented and justified, the following BRP is being recommended for Board approval

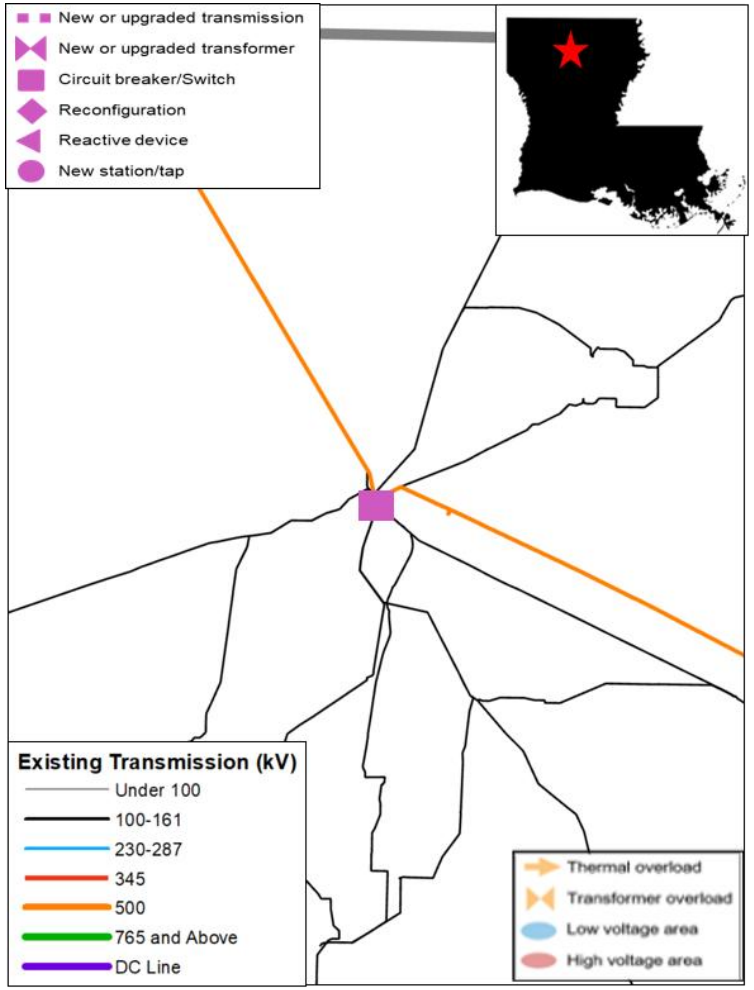



| MTEP Project ID | 50942 |
|---|---|
| Project Name | Holiday to Billeaud 69 kV Upgrade |
| Project Type | BRP |
| Project Description | Upgrade Holiday to Billeaud 69 kV line. |
| Current Cost | $8.0 M |
| Expected ISD | 12/15/2030 |
| Target Appendix | A |



Unlabeled

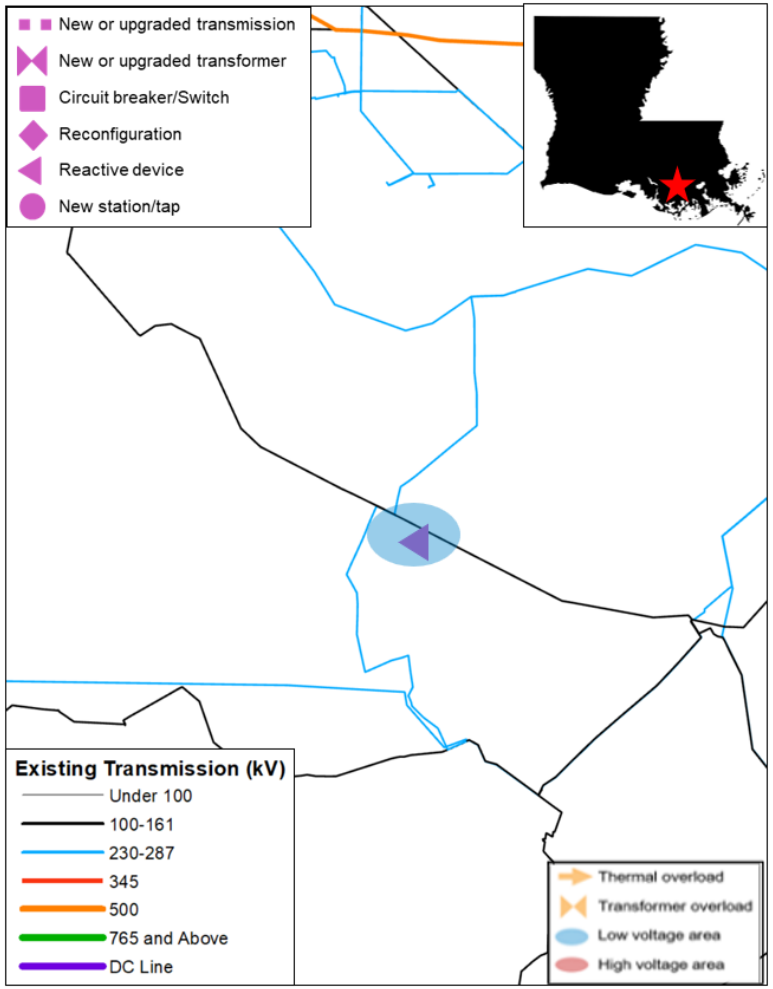
# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50945 |
|---|---|
| Project Name | Sterlington 500 kV GIS Replacement |
| Project Type | BRP |
| Project Description | Replace the Sterlington 500 kV GIS with open air station. |
| Current Cost | $75.2 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |

Unlabeled

# As already presented and justified, the following BRP is being recommended for Board approval

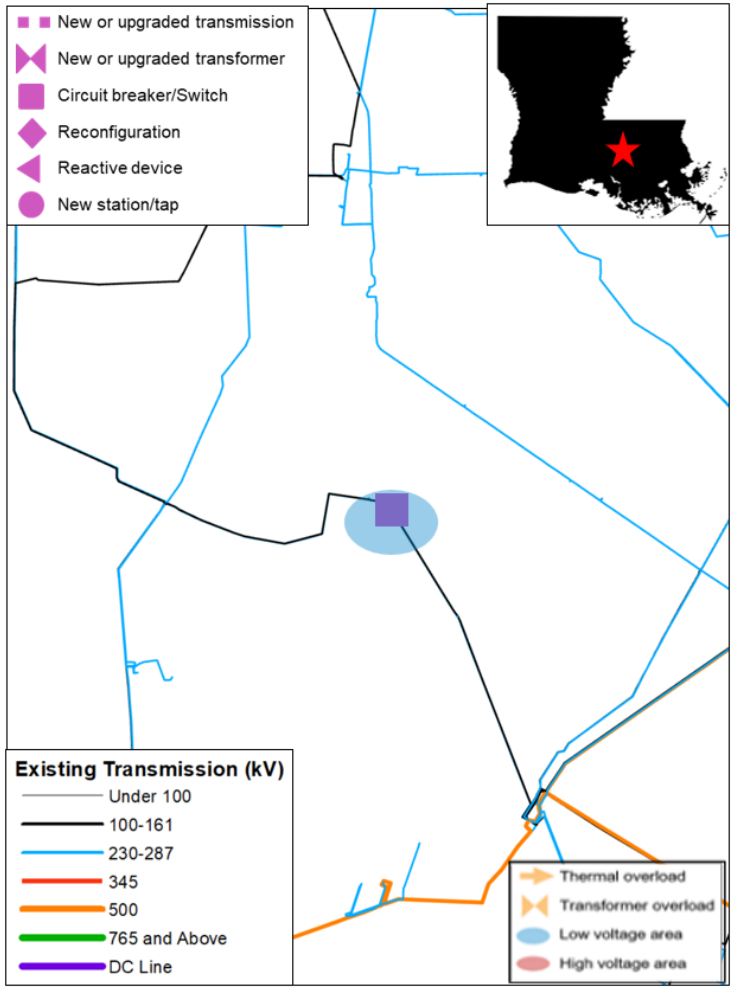



| MTEP Project ID | 50946 |
|---|---|
| Project Name | Thibodaux 230 kV Reactive Support |
| Project Type | BRP |
| Project Description | Install a 61.1 MVAR Capacitor bank at Thibodaux 230 kV station |
| Current Cost | $3.8 M |
| Expected ISD | 05/01/2029 |
| Target Appendix | A |



Unlabeled

# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50947 |
|---|---|
| Project Name | Tiger 230 kV SPOF |
| Project Type | BRP |
| Project Description | Install a second battery bank at Tiger 230 kV station. The primary 1 relay needs to be on a separate DC panel than primary 2/backup relay. The breakers for the AT must have trip coil #1 and trip coil #2 fed from separate DC panels and the DC panels must be fed from separate battery sets. The DC panels cannot be wired in series or in parallel to one another. |
| Current Cost | $2.9 M |
| Expected ISD | 09/14/2028 |
| Target Appendix | A |

Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| **50713** | **Mount Olive to Cargas 500 kV Project and Load Addition** | **12/31/2028** | **$270.5 M** |
| 50934 | Carlyss 230 kV SPOF | 06/01/2028 | $0.7 M |
| 50936 | Carlyss 230-138 kV Autotransformer Upgrade | 12/15/2030 | $19.5 M |
| 50937 | Coly 500 kV GIS Bus replacement | 06/01/2029 | $75.7 M |
| 50939 | Jaguar 230 kV GIS Replacement | 02/28/2029 | $37.6 M |
| 50940 | McKnight 500 kV GIS Replacement | 12/31/2027 | $59.7 M |
| 50942 | Holiday to Billeaud 69 kV Upgrade | 12/15/2030 | $8.0 M |
| 50945 | Sterlington 500 kV GIS Replacement | 06/01/2030 | $75.2 M |
| 50946 | Thibodaux 230 kV Reactive Support | 05/01/2029 | $3.8 M |
| 50947 | Tiger 230 kV SPOF | 09/14/2028 | $2.9 M |
| **51264** | **El Dorado to Smalling 500 kV Project** | **01/01/2031** | **$900 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50740 | Indian Bayou 230 kV Station | Load Growth | 09/01/2027 | $68.1 M |
| 50744 | Juban Trails (DEMCO) 230 kV Station | Load Growth | 09/01/2027 | $55.0 M |
| 50779 | Riddle 230 kV Station and Line Upgrade | Load Growth | 05/18/2026 | $27.7 M |
| 50929 | 2027 ELL Asset Renewal | Age and Condition | 12/31/2027 | $84.0 M |
| 50944 | SLEMCO Dassas (Scott Area) 138 kV Station | Load Growth | 10/15/2028 | $10.9 M |
| 51262 | West Fork Creek 500-230 kV Station | Load Growth | 08/01/2030 | $1100.0 M |
| 51263 | West Fork Creek to St Landry 500 kV Project | Local Reliability | 12/01/2031 | $1487.0 M |
| 51301 | Crown 230 kV Station - Jeff Davis Electric Co-op, Inc. | Local Needs | 09/30/2026 | $0.1 M |
| 51311 | DEMCO Juban Trails 500-230 kV Station | Load Growth | 03/31/2029 | $0.1 M (Withdrawn) |
| 51352 | Midbend 230 kV Station | Load Growth | 11/01/2026 | $28.0 M |

# Entergy New Orleans Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50931* | 2027 Entergy New Orleans Asset Renewal | Age and Condition | 12/31/2027 | $8.3 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.
* Denotes an Entergy New Orleans project

Unlabeled

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51111 | J1851 115 kV Interconnection on Beekman to Crossett North 115 kV | 11/15/2026 | $5.5 M |
| 51118 | J1870 GIA Interconnection at Independence 230 kV | 05/21/2028 | $11.8 M |
| 51125 | E0014 GIA at Smalling 230 kV | 08/04/2028 | $14.0 M |
| 51170 | J2228 115 kV Interconnection at Red Gum 115 kV | 03/15/2028 | $7.5 M |
| 51171 | J1904 138 kV Interconnection at Richard 138 kV | 11/08/2028 | $7.7 M |
| 51172 | J2292 230 kV Interconnection at Goos Ferry 230 kV | 09/01/2027 | $0.1 M |
| 51173 | J2302 New 500 kV Switching stationPoint of Interconnection | 10/11/2027 | $64.0 M |
| 51187 | J2317 115 kV interconnection on Sterlington - Bastrop 115 kV | 11/01/2027 | $13.9 M |
| 51200 | J2249 GIA at Bayou Cove 138 kV | 11/14/2027 | $17.0 M |
| 51327 | E0029 GIA Interconnection at Waterford 500 kV | 08/04/2028 | $17.3 M |



Unlabeled

# 1803 Electric Cooperative, Inc. (LATO)



# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51058 | 1803 – 2026 Age and Condition Program | Other – Age and Condition | Expected ISD from 12/31/2026 to 4/1/2027 |
| 51063 | ANGIE 230/69KV SUBSTATION – 230KV LINE BREAKER ADDITIONS | Other – Local Reliability | Expected ISD from 12/31/2027 to 12/31/2028 |
| 51064 | HOLTON 115/69KV SUBSTATION – 115KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION | Other – Local Reliability | Expected ISD from 6/1/2028 to 12/31/2028 |
| 51065 | TALISHEEK 230KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION | Other – Local Reliability | Expected ISD from 6/1/2029 to 12/1/2029 |
| 51070 | EAST MANDEVILLE 230/69KV SUBSTATION | Other – Local Reliability | Expected ISD from 12/1/2028 to 12/1/2029 |
| 50746 | 1803 – 2025 Age and Condition Program | Other – Age and Condition | Expected ISD from 12/31/2026 to 12/31/2029 |


Unlabeled

# 1803 (LATO) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# 1803 ELECTRIC COOPERATIVE, INC. LATO

MTEP26 Projects

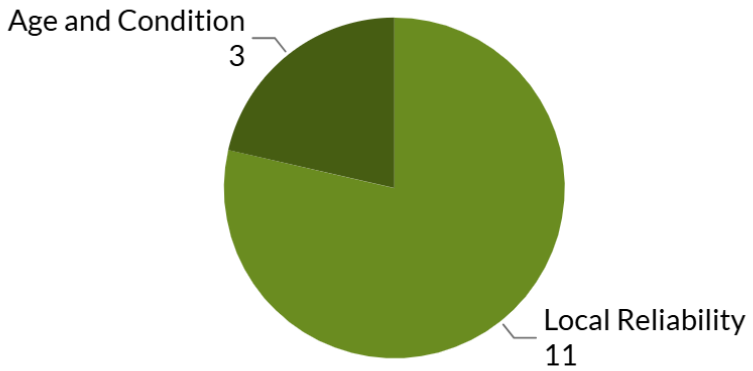



**14**
Total Projects

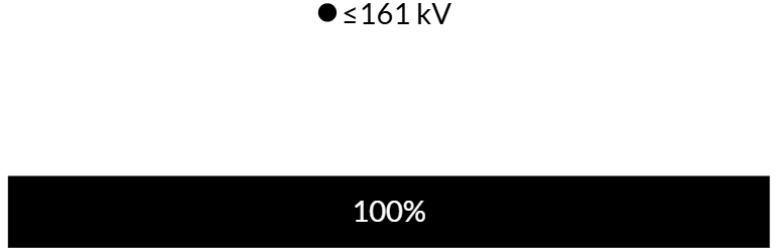
**$155M**
Investment

## Breakdown of Other Project Types

By Project Count

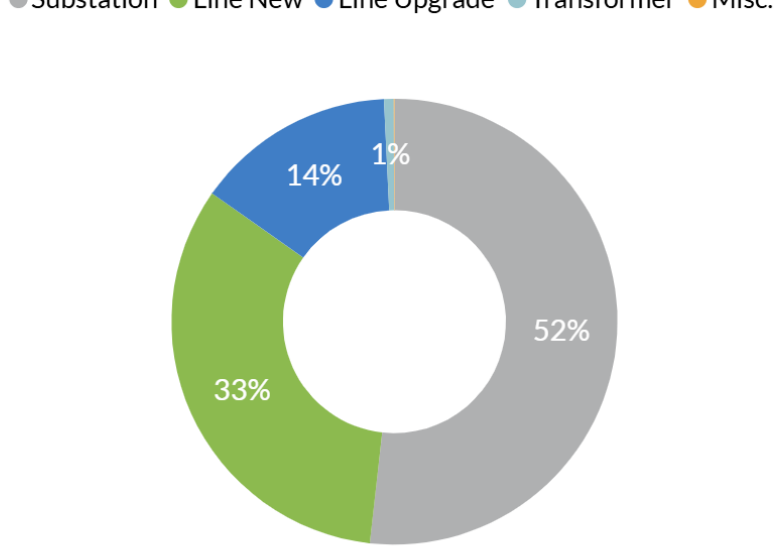



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 8/19/26.

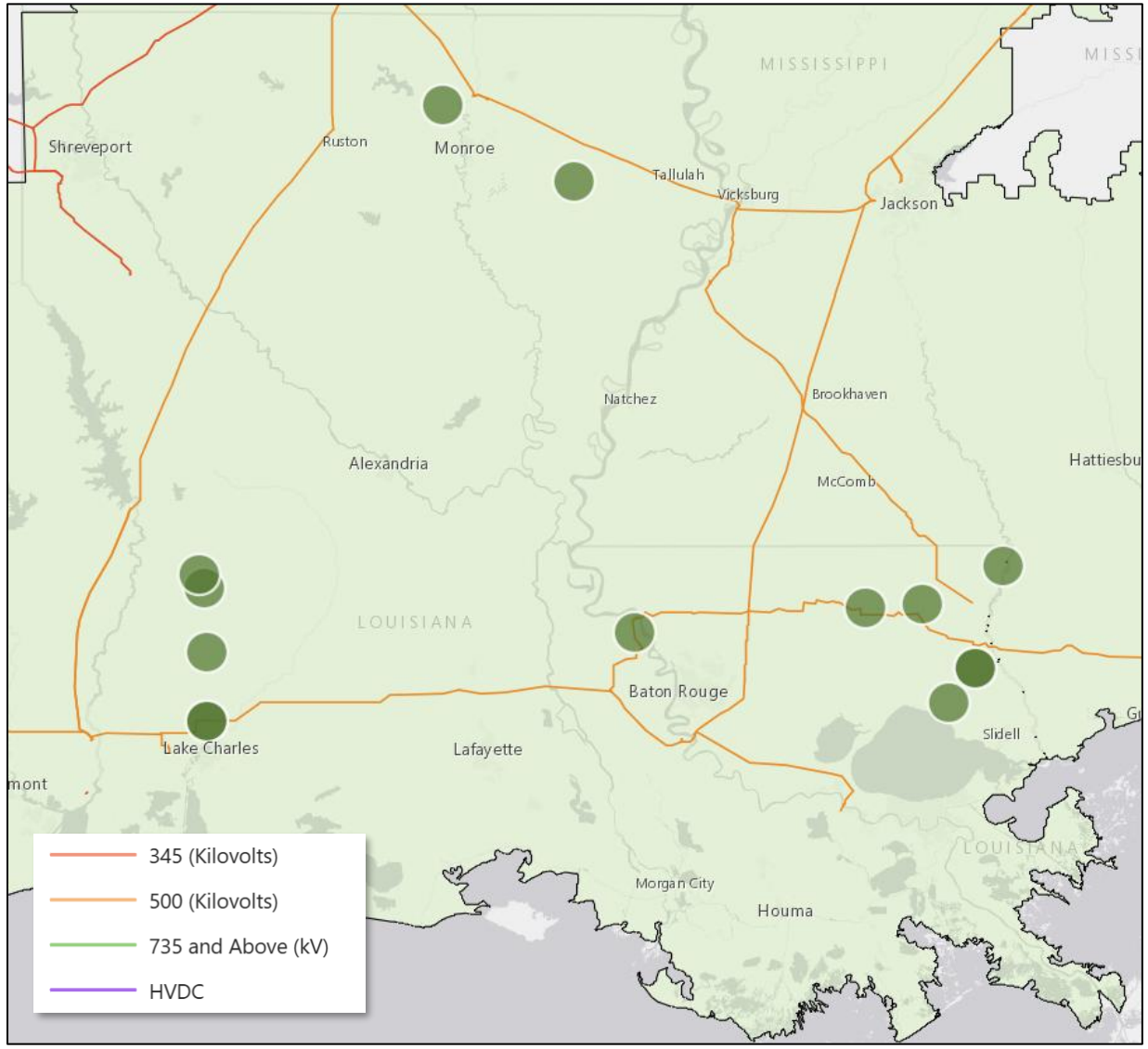
Unlabeled

# 1803 (LATO) MTEP26 Project Type Breakdown

## 1803 ELECTRIC COOPERATIVE, INC. LATO

MTEP26 Summary

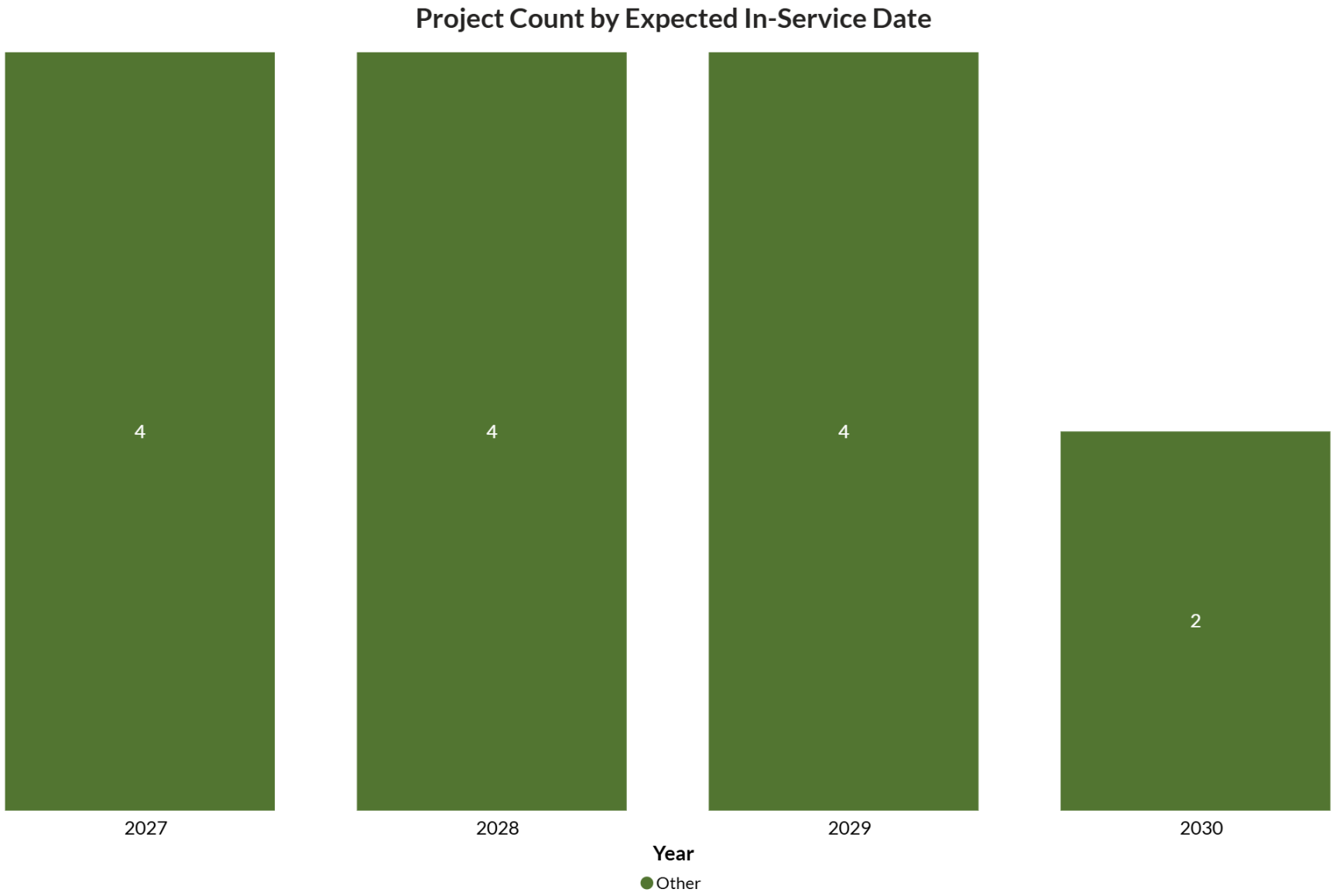
| | |
|---|---|
| GIP | |
| BRP | |
| Other | 14 |




Project information as of 8/19/26.

Unlabeled

# 1803 (LATO) MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50746** | **1803 - 2025 Age and Condition Program** | **Age and Condition** | **12/31/2029** | **$0.7 M** |
| **51058** | **1803 - 2026 Age and Condition Program** | **Age and Condition** | **04/01/2027** | **$6.1 M** |
| **51059** | **1803 - 2027 Age and Condition Program** | **Age and Condition** | **12/31/2027** | **$9.8 M** |
| **51063** | **ANGIE 230/69KV SUBSTATION - 230KV LINE BREAKER ADDITIONS** | **Local Reliability** | **12/31/2028** | **$1.9 M** |
| **51064** | **HOLTON 115/69KV SUBSTATION - 115KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION** | **Local Reliability** | **12/31/2028** | **$2.9 M** |
| **51065** | **TALISHEEK 230KV LINE BREAKER ADDITIONS AND 69KV BUS TIE BREAKER ADDITION** | **Local Reliability** | **12/01/2029** | **$4.6 M** |
| 51066 | MOSS BLUFF TO LONGVILLE 69KV LOOP | Local Reliability | 12/31/2027 | $0.7 M |
| 51067 | LONGVILLE TO DERIDDER 69KV LOOP | Local Reliability | 12/31/2027 | $0.9 M |
| 51068 | DERIDDER TO EAST LEESVILLE 69KV LOOP | Local Reliability | 06/01/2028 | $1.4 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

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51069 | DERIDDER TO LUDINGTON 69KV REBUILD | Local Reliability | 06/01/2028 | $5.2 M |
| **51070** | **EAST MANDEVILLE 230/69KV SUBSTATION** | **Local Reliability** | **12/01/2029** | **$16.9 M** |
| 51071 | ROCKY BRANCH TO MARION 115KV LOOP | Local Reliability | 06/01/2030 | $51.6 M |
| 51073 | 1803/LAGT WATERLOO TO CLECO YELLOW BAYOU TRANSMISSION LOOP | Local Reliability | 06/01/2030 | $47.5 M |
| 51080 | 1803/LAGT/NELPCO PINEY WOODS SUBSTATION | Local Reliability | 06/01/2029 | $5.1 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.

Unlabeled

# CLECO Power, LLC (CLEC)

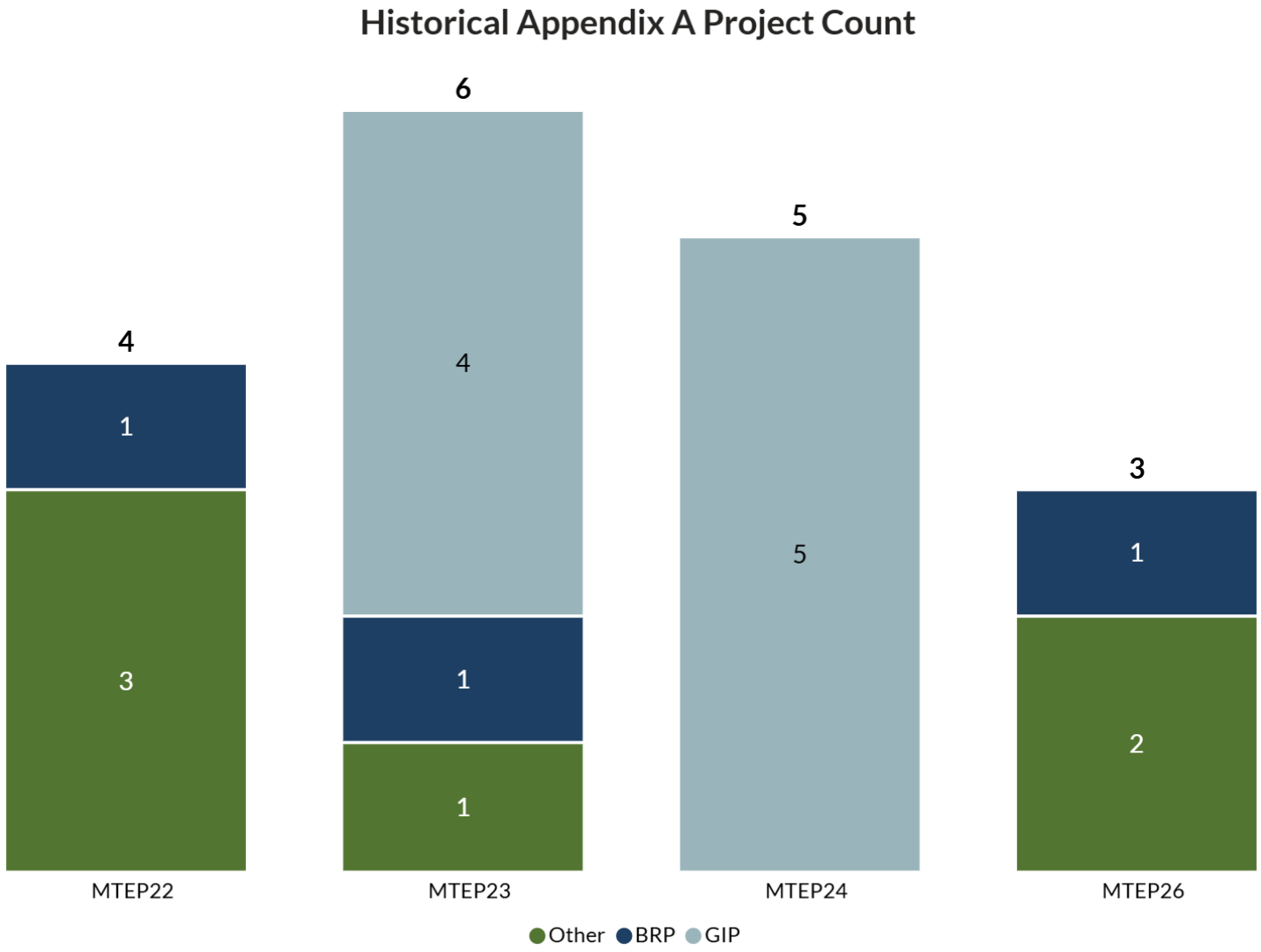
# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51363 | Peninsula DC (MPID: 51363) | Other – Load Growth | Expected ISD from 3/1/2027 to 6/1/2027 |



Unlabeled

# CLECO POWER LLC CLEC Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

Unlabeled

# CLECO POWER LLC CLEC

## MTEP26 Projects

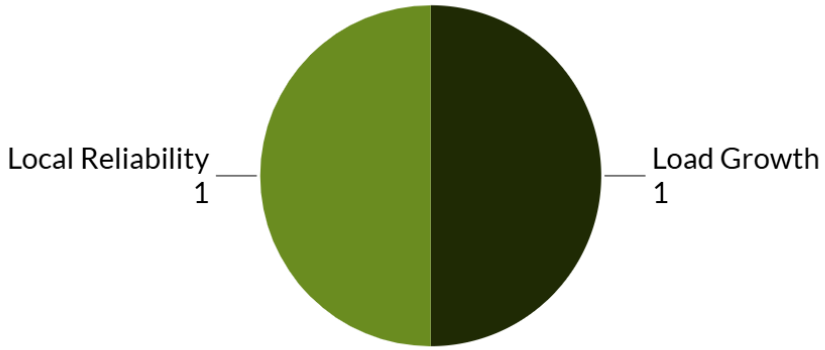



**3**
Total Projects

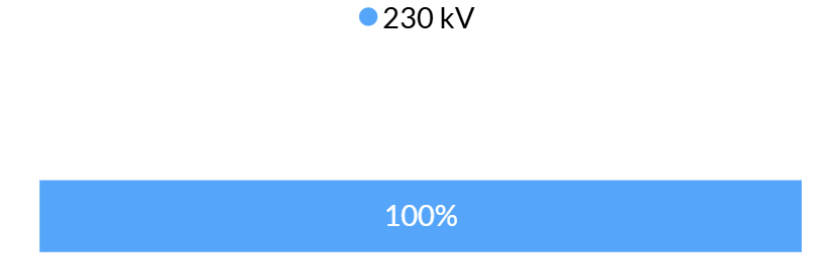
**$117M**
Investment

### Breakdown of Other Project Types

By Project Count

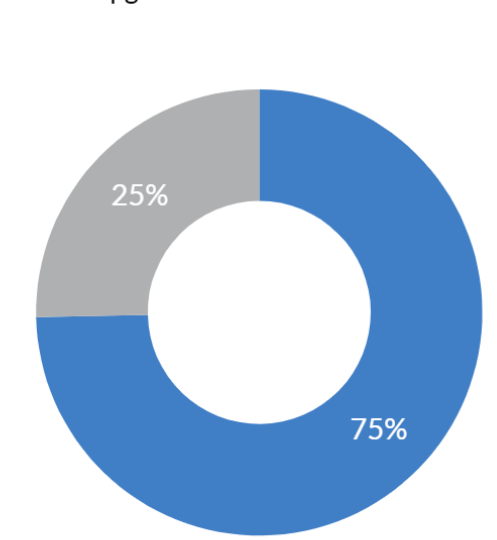



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 8/19/26.

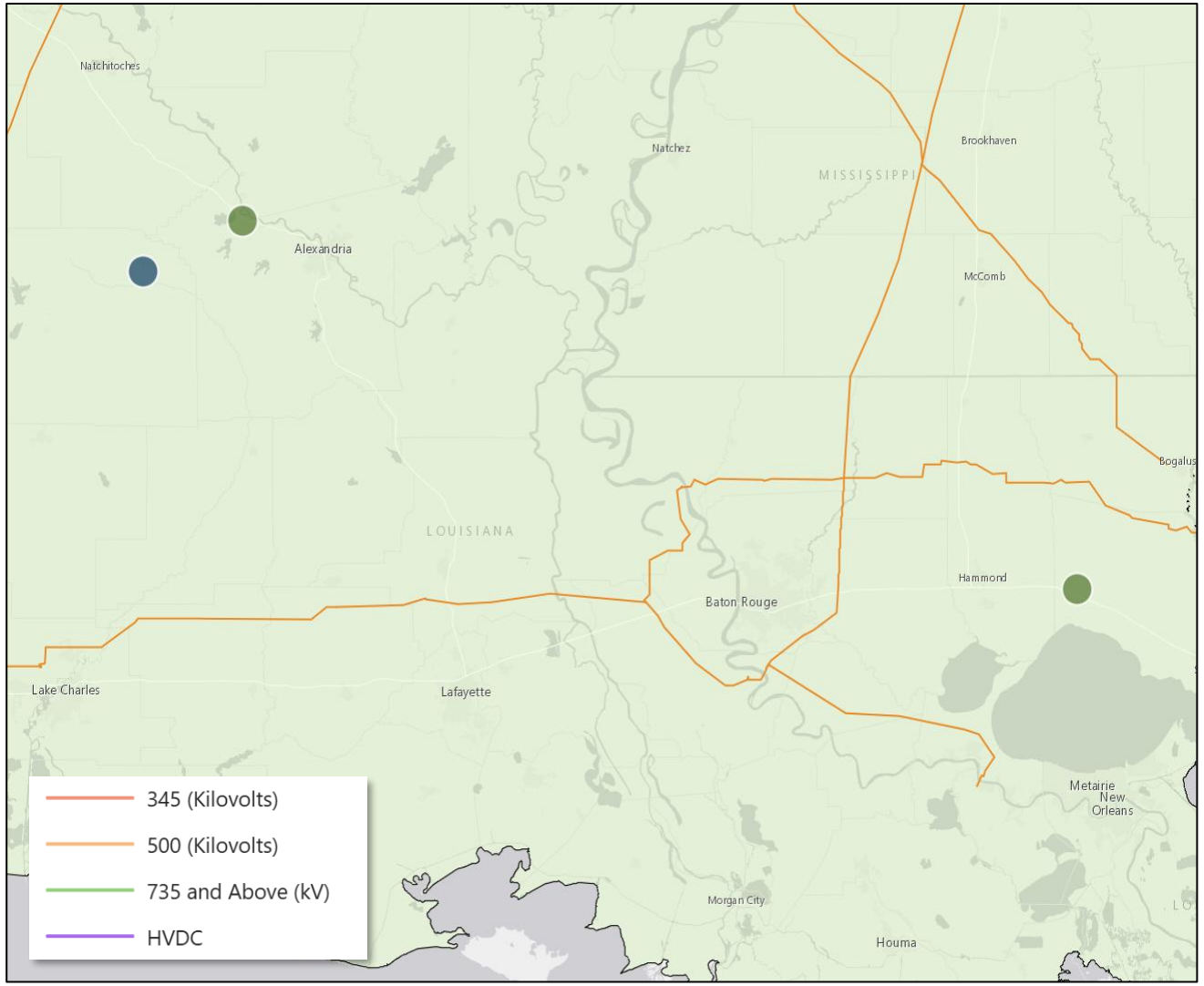
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# CLECO POWER LLC CLEC MTEP26 Project Type Breakdown

## CLECO POWER LLC CLEC

MTEP26 Summary

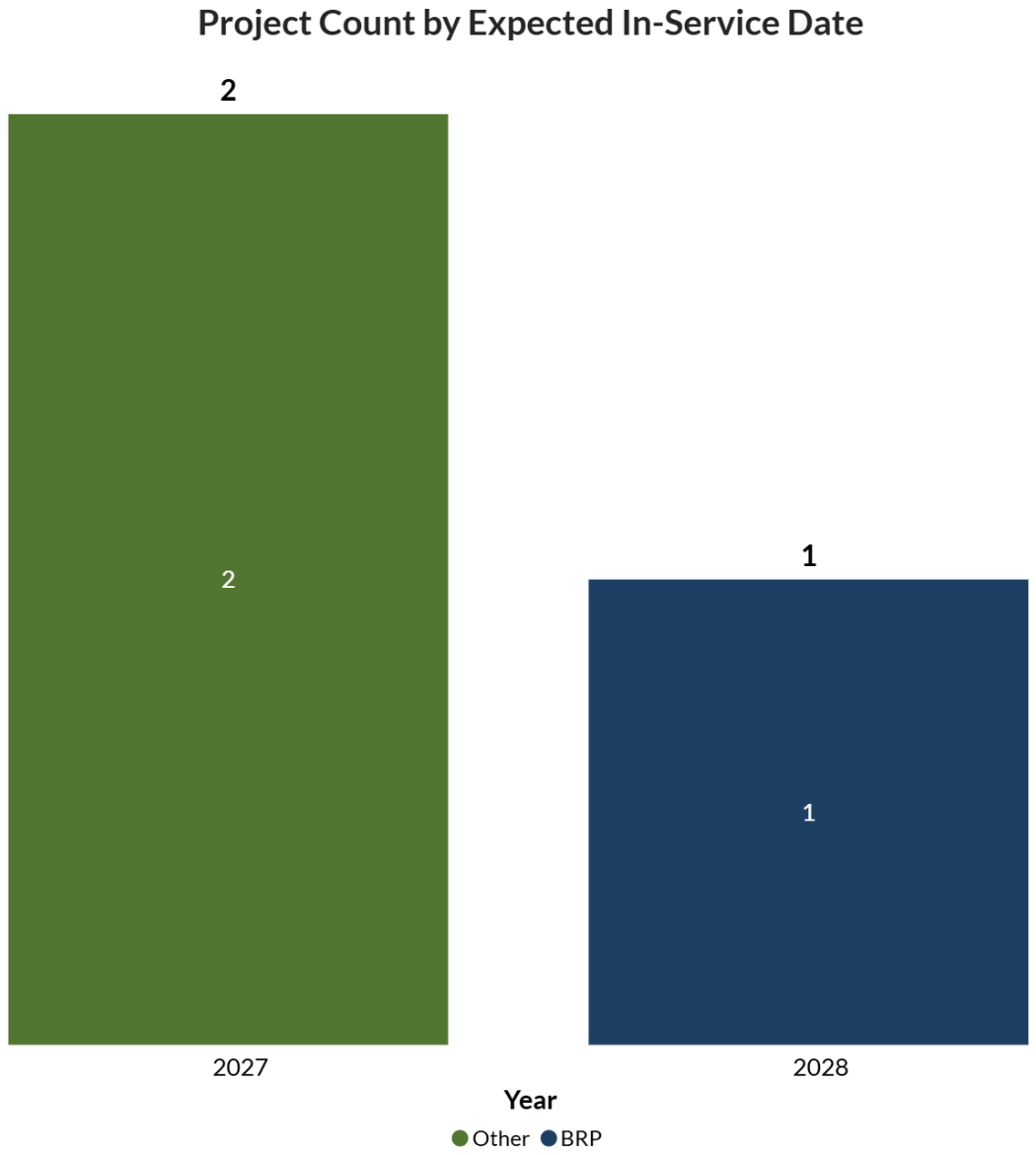
| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 2 |




Project information as of 8/19/26.

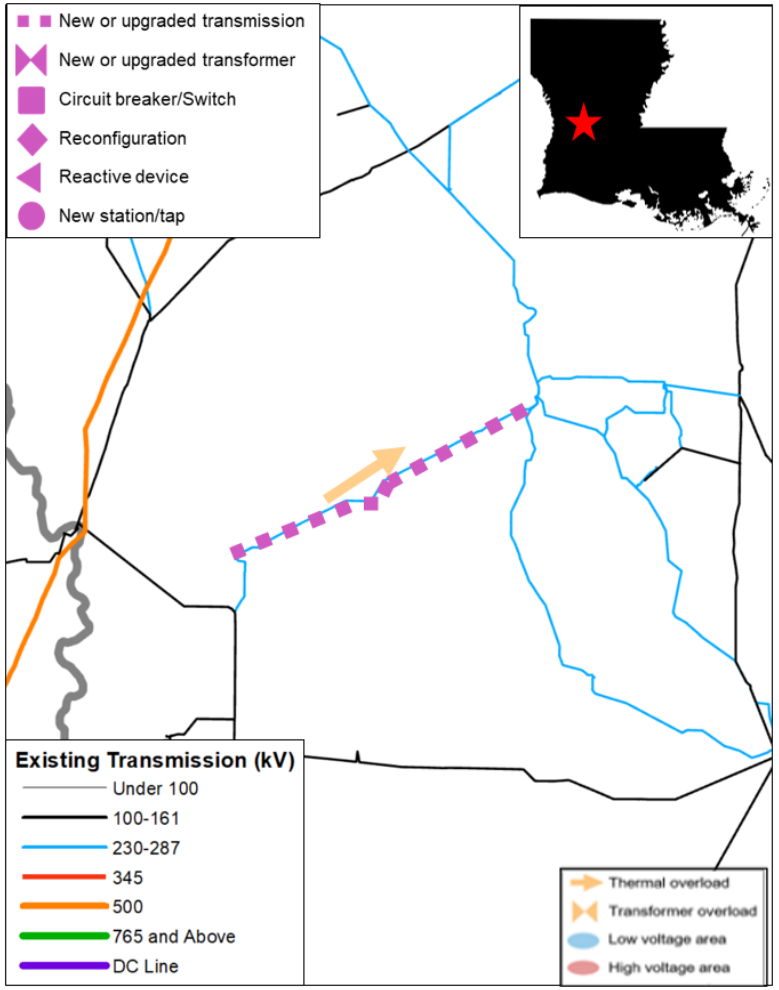
Unlabeled

# CLECO POWER LLC CLEC MTEP26 ISD Breakdown




Project information as of 8/19/26.

# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 51182 |
|---|---|
| Project Name | Rebuild Rodemacher to East Leesville |
| Project Type | BRP |
| Project Description | Reconductor Rodemacher to East Leesville to increase the line rating to above 800 MVA. |
| Current Cost | $87.2 M |
| Expected ISD | 12/01/2028 |
| Target Appendix | A |

Unlabeled

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51182 | Rebuild Rodemacher to East Leesville | 12/01/2028 | $87.2 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

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51256 | West Covington Substation | Local Reliability | 06/01/2027 | $29.6 M |
| **51363** | **Peninsula DC (MPID: 51363)** | **Load Growth** | **06/01/2027** | **$0.0 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.

Unlabeled

# Questions?



Nestor Martinez
Engineer – Expansion Planning

Trevor Armstrong
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

MISO

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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# MTEP26 Project Information – Arkansas

South Subregional Planning Meeting (SSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



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

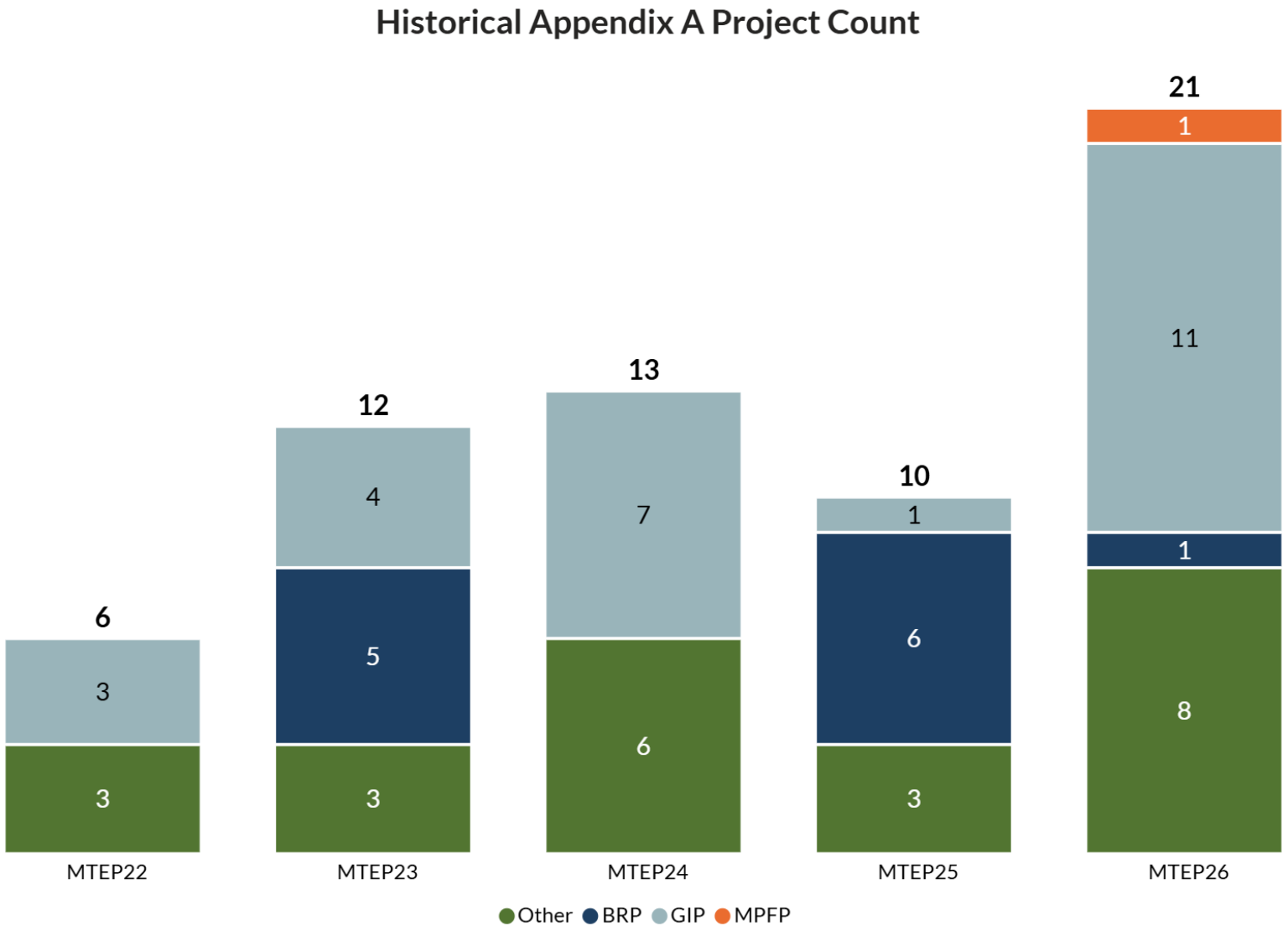
- Entergy Arkansas, LLC (EATO)
  - 21 submitted projects at an estimated cost of $1.04 billion
- Arkansas Electric Cooperative Corporation (AECT)
  - 2 submitted projects at an estimated cost of $110 million
- City Water and Light Plant of Jonesboro did not submit projects for consideration for MTEP26

# Entergy Arkansas, LLC (EATO)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50910 | Brinkley East 230/115 kV Transformer Upgrade – Phase 1 | MPFP | Phase 1 – Upgrade 115kV switches B7601, B7602, B7603, B7619, and B7621 to 3000 A.<br>ISD – 04/28/2027<br>Cost: $0.6M |
| 50897 | Galla Creek 161 kV: Build new substation | Other: Load Growth | Withdrawal |

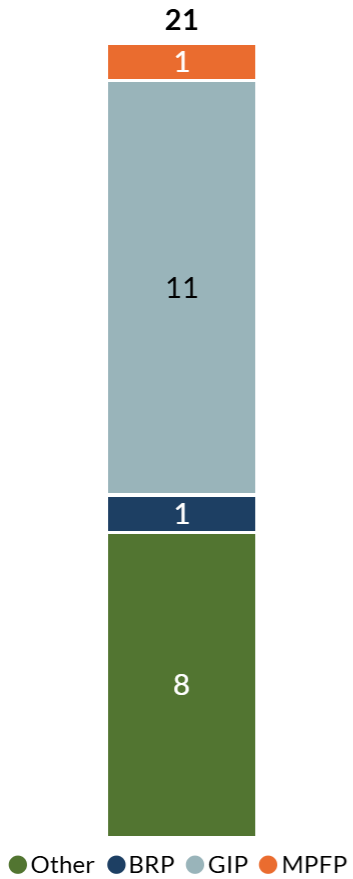
# ENTERGY ARKANSAS, LLC (EATO) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# ENTERGY ARKANSAS, LLC EATO

MTEP26 Projects

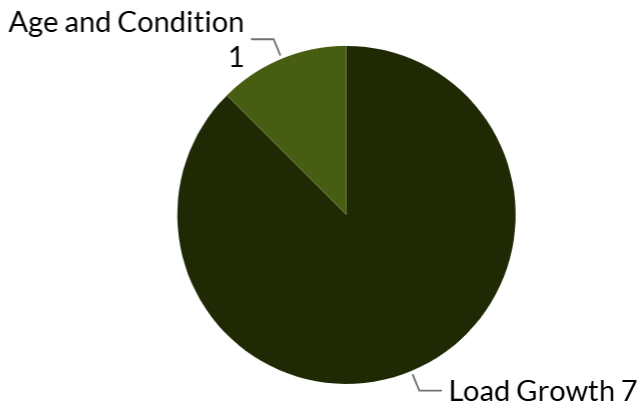



**21**
Total Projects

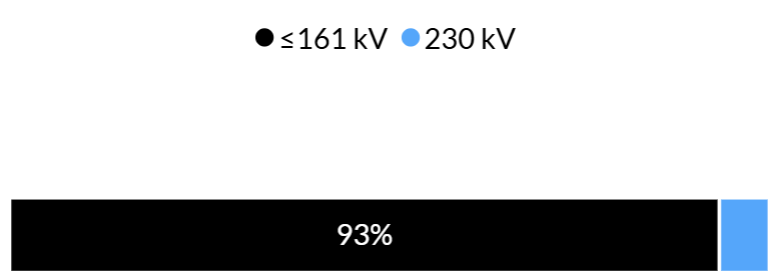
**$1,037M**
Investment

## Breakdown of Other Project Types

By Project Count

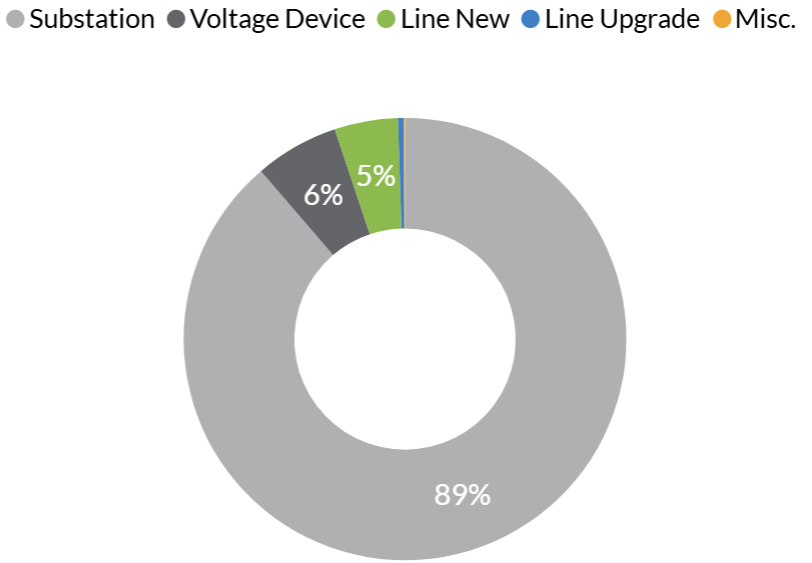



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

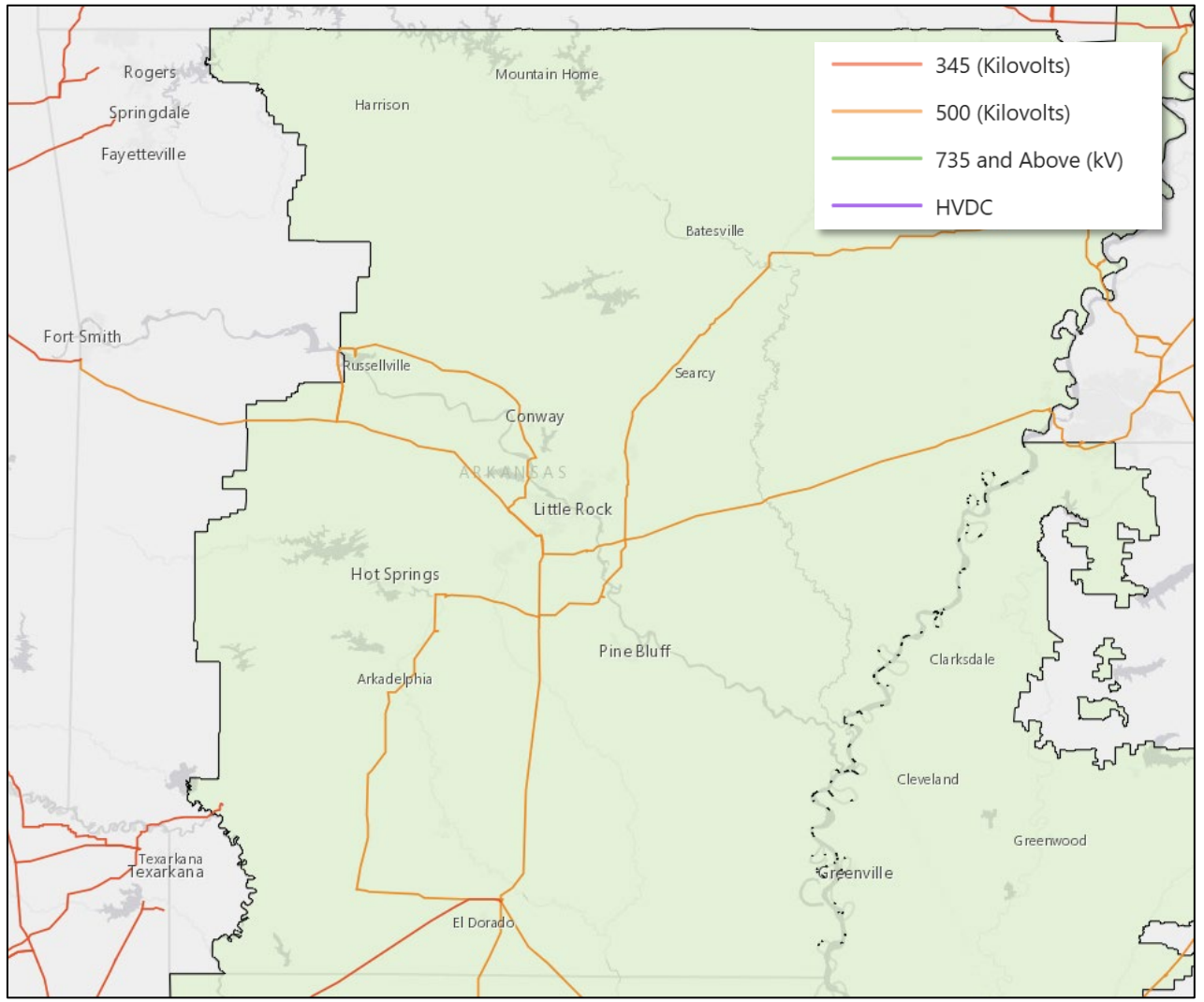



Project information as of 8/19/26.

# ENTERGY ARKANSAS, LLC (EATO) MTEP26 Project Type Breakdown

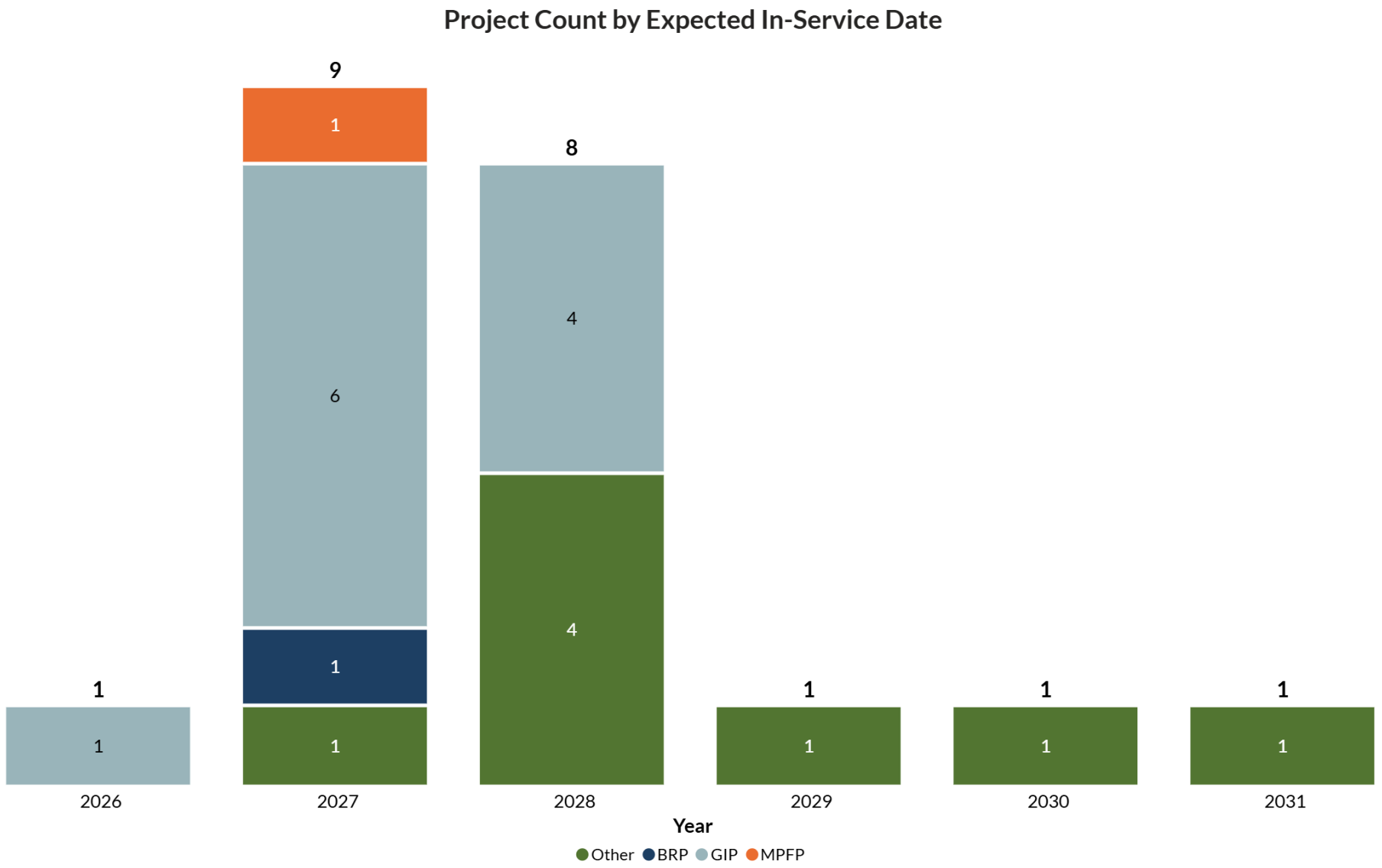
## ENTERGY ARKANSAS, LLC
## EATO
### MTEP26 Summary

| | |
|---|---|
| GIP | 11 |
| BRP | 1 |
| Other | 8 |



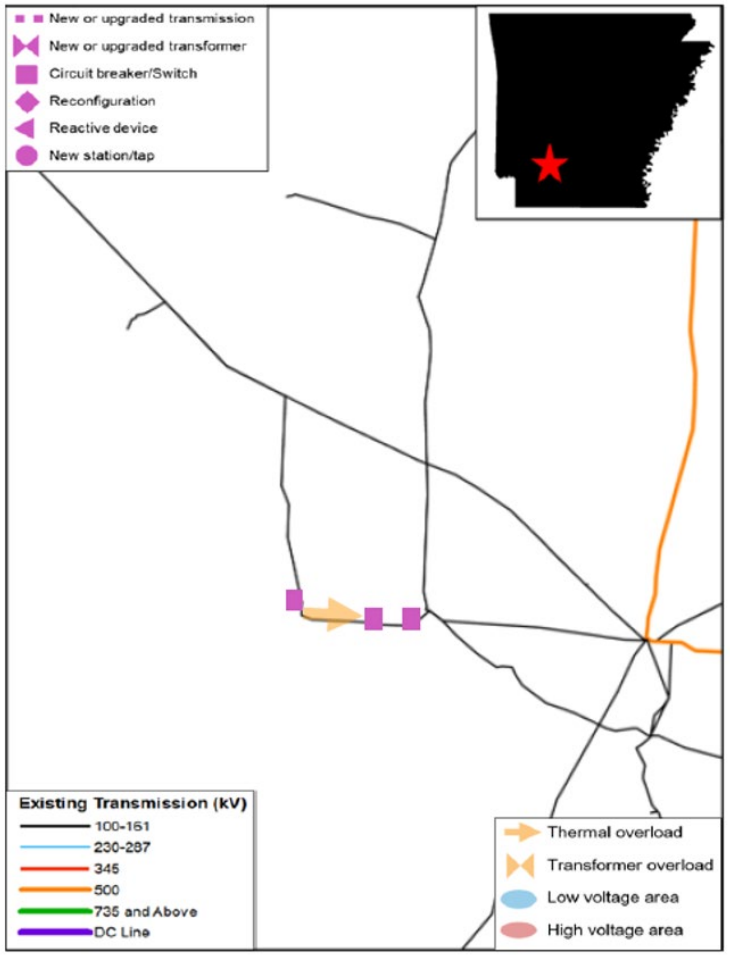

Project information as of 8/19/26.

# ENTERGY ARKANSAS, LLC (EATO) MTEP26 ISD Breakdown




Project information as of 8/19/26.

# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50893 |
|---|---|
| Project Name | Couch - Lewisville 115kV Uprate |
| Project Type | BRP |
| Project Description | Replace 13 structures on the Couch - Lewisville line to mitigate clearance violations to achieve 100 degree conductor rating. |
| Current Cost | $3.8 M |
| Expected ISD | 06/01/2027 |
| Target Appendix | A |

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50893 | Couch - Lewisville 115kV Uprate | 06/01/2027 | $3.8 M |

MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50894 | Frazier Pike 115kV Add Breakers and Capacitor Banks | Load Growth | 06/01/2028 | $7.1 M |
| 50895 | 2027 EAL Asset Renewal Program | Age and Condition | 12/30/2027 | $25.0 M |
| 51097 | Pratt - Frazier Pike 115kV: New Transmission Line | Load Growth | 12/30/2028 | $35.0 M |
| **51205** | **Garant Bayou 161kV: New Switching Station** | **Load Growth** | **05/31/2028** | **$14.5 M** |
| **51238** | **Galet 230kV: Expand Substation** | **Load Growth** | **05/31/2028** | **$28.0 M** |
| **51435** | **Jenkins 500/230kV Substation** | **Load Growth** | **12/01/2030** | **$316.3 M** |
| **51436** | **Zeuber 500/230kV Substation** | **Load Growth** | **12/01/2029** | **$360.0 M** |
| **51437** | **Galet 230kV Phase 3 Expansion** | **Load Growth** | **12/01/2031** | **$60.0 M** |

MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51116 | J1872 & J1873 MPFCA El Dorado 500kV Point of Interconnection | 11/01/2028 | $25.6 M |
| 51126 | J2143 Lake Village Bagby 115kV Point of Interconnection | 03/01/2027 | $4.9 M |
| 51127 | J2153 Ashley 115kV expansion | 03/04/2027 | $5.4 M |
| 51150 | J1858 Sandy Bayou 500kV Point of Interconnection | 03/20/2028 | $12.2 M |
| 51153 | J2088 Nash Corner 500kV Switching Station Point of Interconnection | 04/01/2028 | $32.2 M |
| 51155 | J2181 Dearman 161kV Switching Station Point of Interconnection | 07/30/2027 | $15.0 M |
| 51158 | J2237 Flat Fork 230kV Expansion for Point of Interconnection | 05/30/2027 | $3.7 M |
| 51159 | J1897/J1899/J2190 Steel Grove 500kV SS Point of Interconnection | 10/22/2027 | $32.8 M |
| 51162 | J2089 Wilson Junction 161kV SS Point of Interconnection | 12/31/2027 | $13.8 M |
| 51168 | J2261 & J2262 Campbell 500kV SS Point of Interconnection | 09/01/2028 | $39.9 M |
| 51330 | J1851 Beekman Solar Remote End Upgrades | 12/01/2026 | $0.9 M |

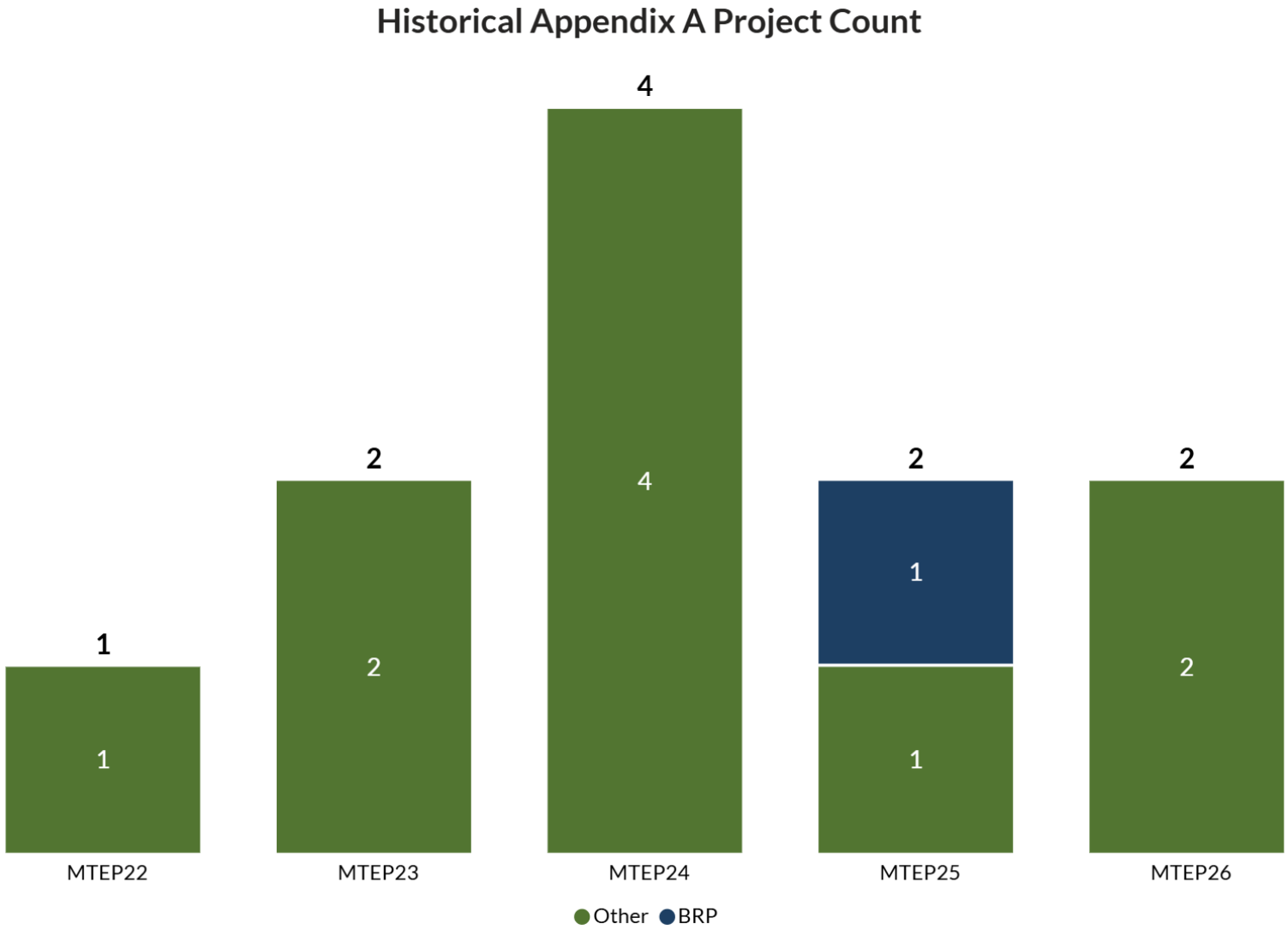
# Market Participant Funded Projects (MPFPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50910 | Brinkley East 230/115kV Transformer Upgrade Phase 1 | 04/28/2027 | $0.6 M |

# Arkansas Electric Cooperative Corporation (AECT)



# ARKANSAS ELECTRIC COOPERATIVE CORPORATION (AECT) Historical Appendix A data, including recommended MTEP26



# ARKANSAS ELECTRIC COOPERATIVE CORPORATION

MTEP26 Projects

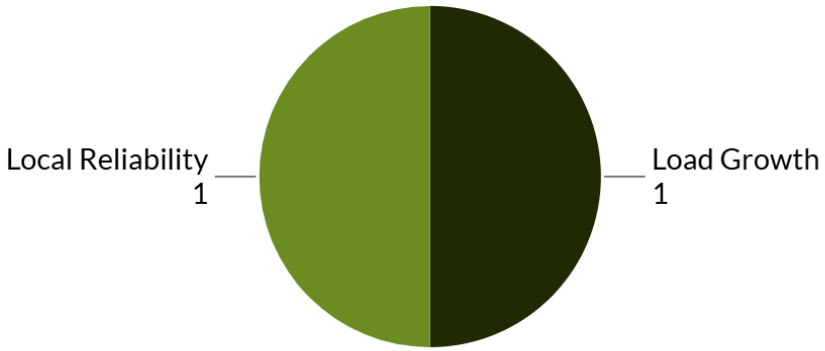



**2**
Total Projects

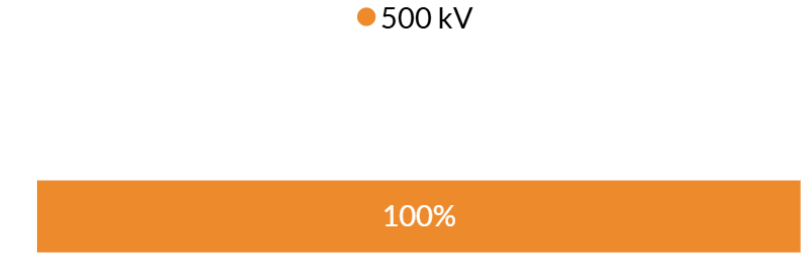
**$110M**
Investment

## Breakdown of Other Project Types

By Project Count

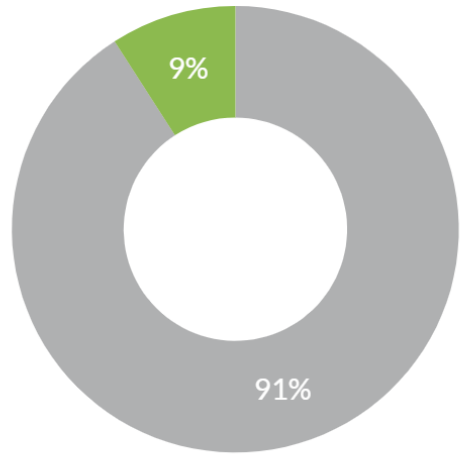



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost

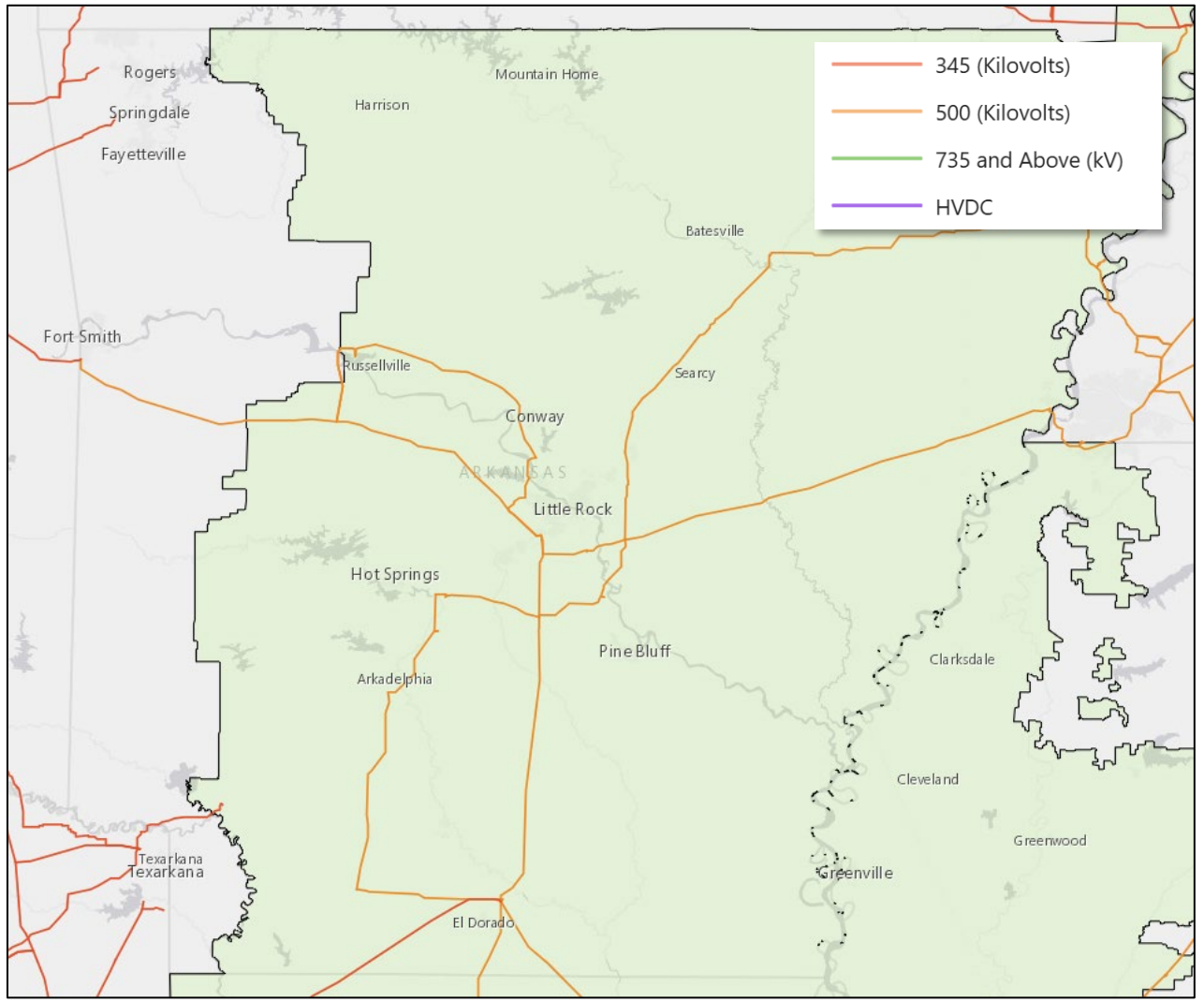


# ARKANSAS ELECTRIC COOPERATIVE CORPORATION (AECT) MTEP26 Project Type Breakdown

## ARKANSAS ELECTRIC COOPERATIVE CORPORATION

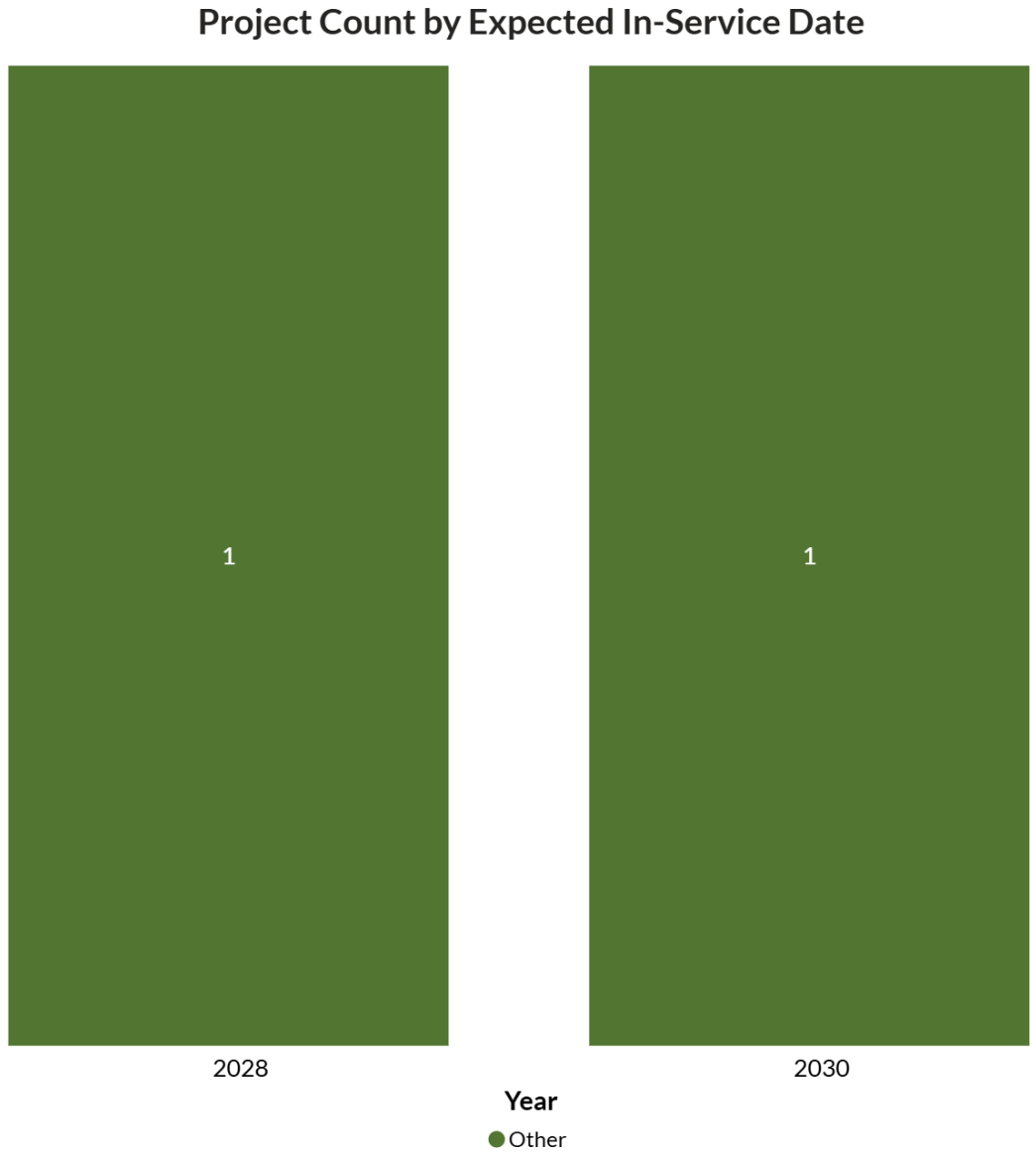
MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | |
| Other | 2 |




*MISO has not received MTEP26 project location data*

# ARKANSAS ELECTRIC COOPERATIVE CORPORATION (AECT) MTEP26 ISD Breakdown



# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51120 | AECC Dell-500 Rebuild | Local Reliability | 12/01/2030 | $30.0 M |
| **51312** | **Sheridan North Load Addition** | **Load Growth** | **03/31/2028** | **$80.0 M** |

MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Questions?



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Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

MISO

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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# MTEP26 Project Information - Mississippi

South Subregional Planning Meeting (SSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*



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

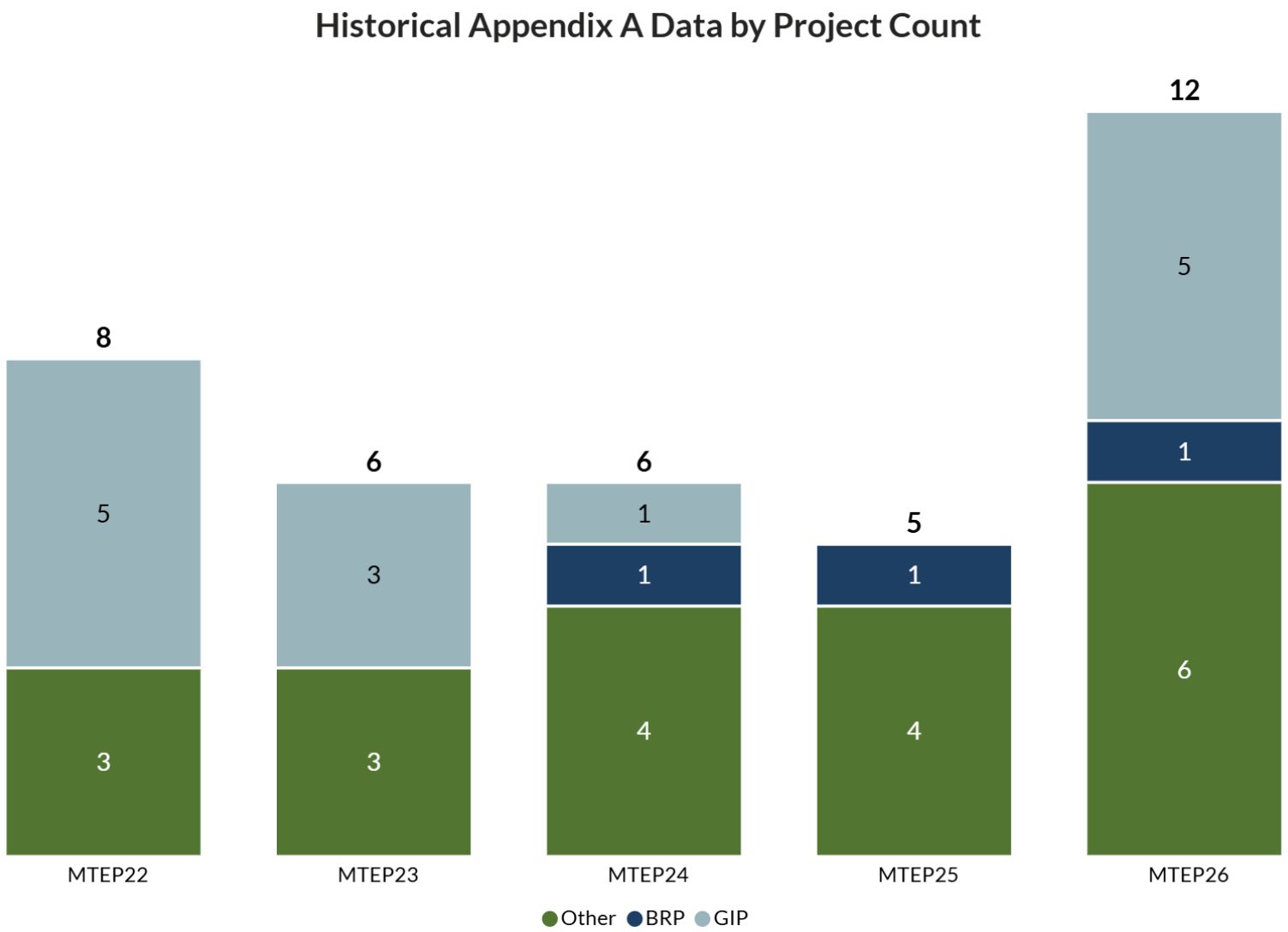
- Entergy Mississippi, LLC (EMTO)
  - 12 submitted projects at an estimated cost of $263 million
- Cooperative Energy (SME)
  - 1 submitted project at an estimated cost of $4 million

# Entergy Mississippi, LLC (EMTO)

# Update on Current Cycle Projects since SPM2

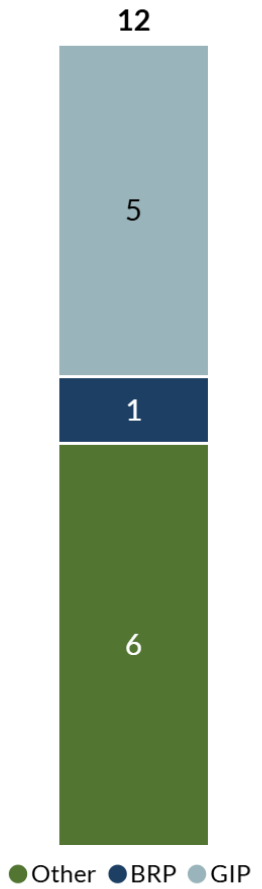
| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 51407 | E0031 GIA Interconnection at Baxter Wilson | GIP | Project added to MTEP26 |
| 51423 | Andrus 230 kV: Connect Delta Blues Power Station | GIP | Project added to MTEP26 |

# ENTERGY MISSISSIPPI, LLC. (EMTO) Historical Appendix A data, including recommended MTEP26



# ENTERGY MISSISSIPPI, LLC. EMTO

MTEP26 Projects

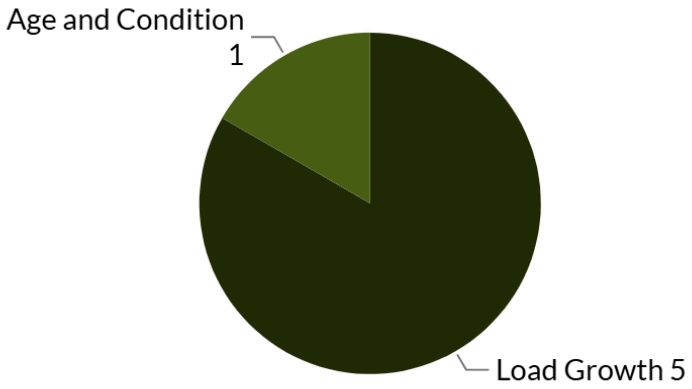



**12**
Total Projects

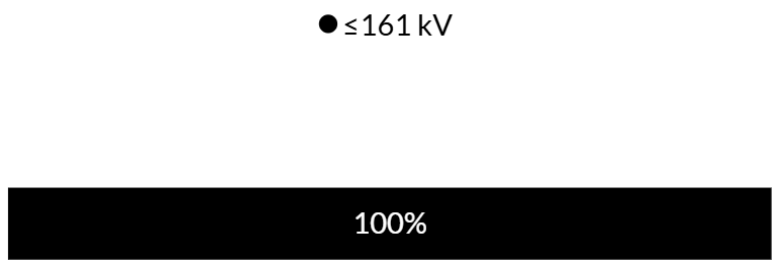
**$263M**
Investment

## Breakdown of Other Project Types

By Project Count

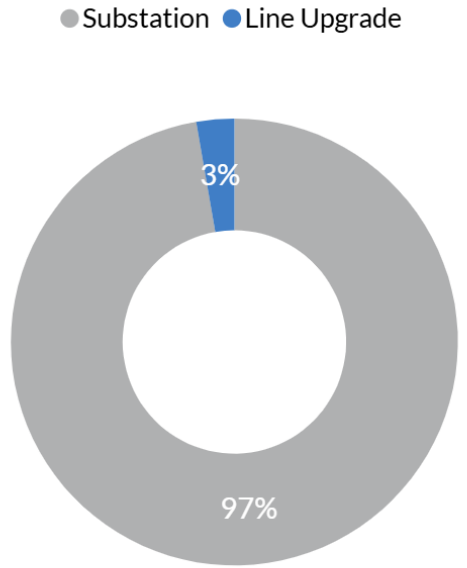



## Line Miles by Voltage Level




## Project Facility Types

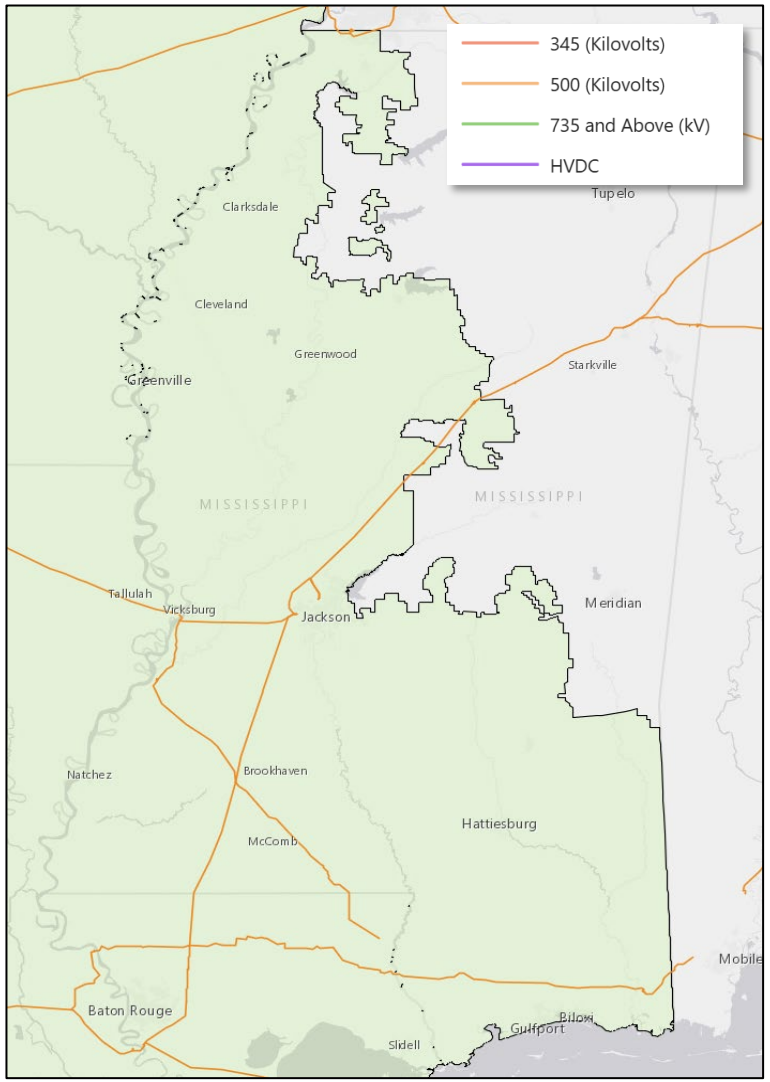
As a Percentage of Cost



# ENTERGY MISSISSIPPI, LLC. (EMTO) MTEP26 Project Type Breakdown

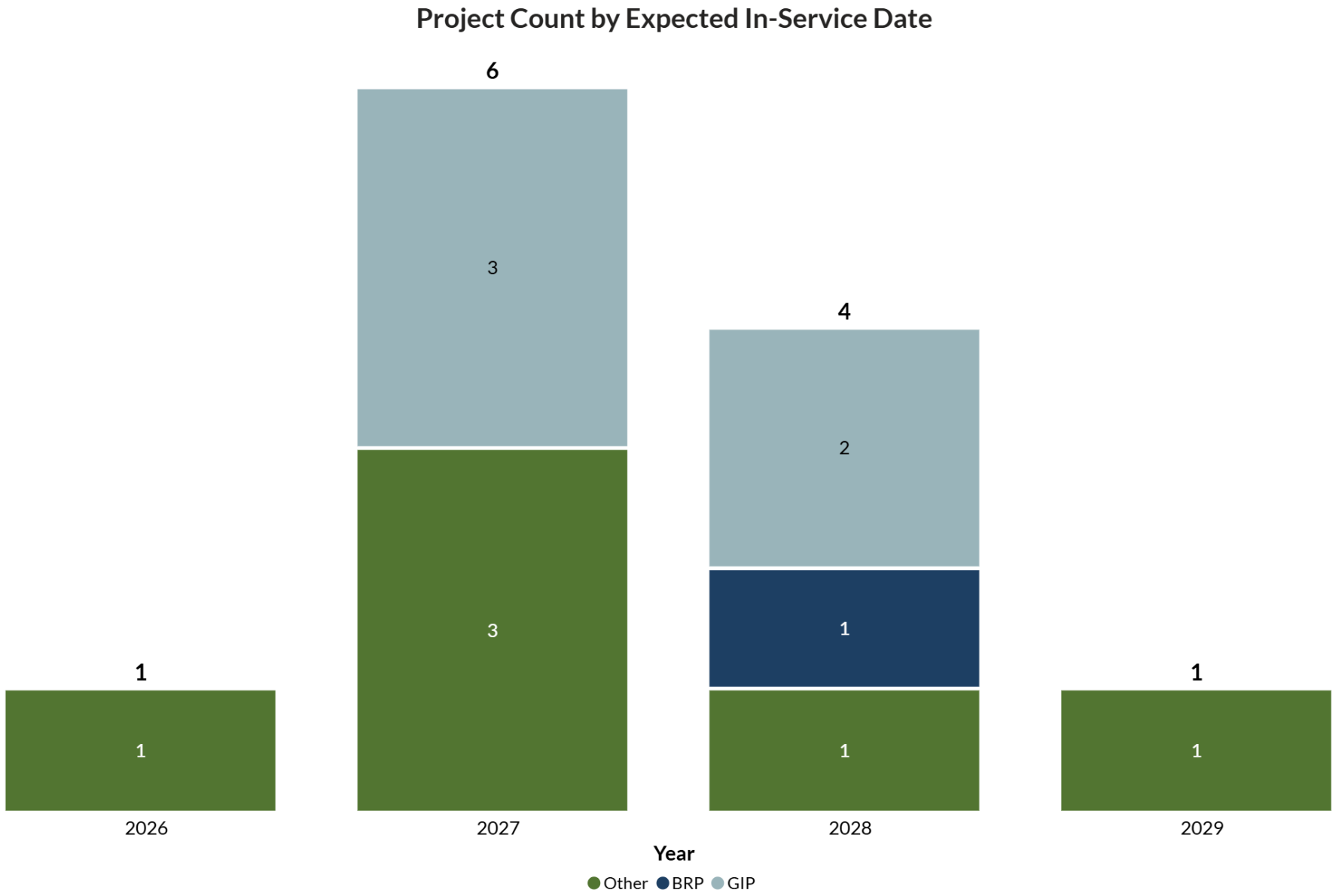
## ENTERGY MISSISSIPPI, LLC.
## EMTO
MTEP26 Summary

| | |
|---|---|
| GIP | 5 |
| BRP | 1 |
| Other | 6 |

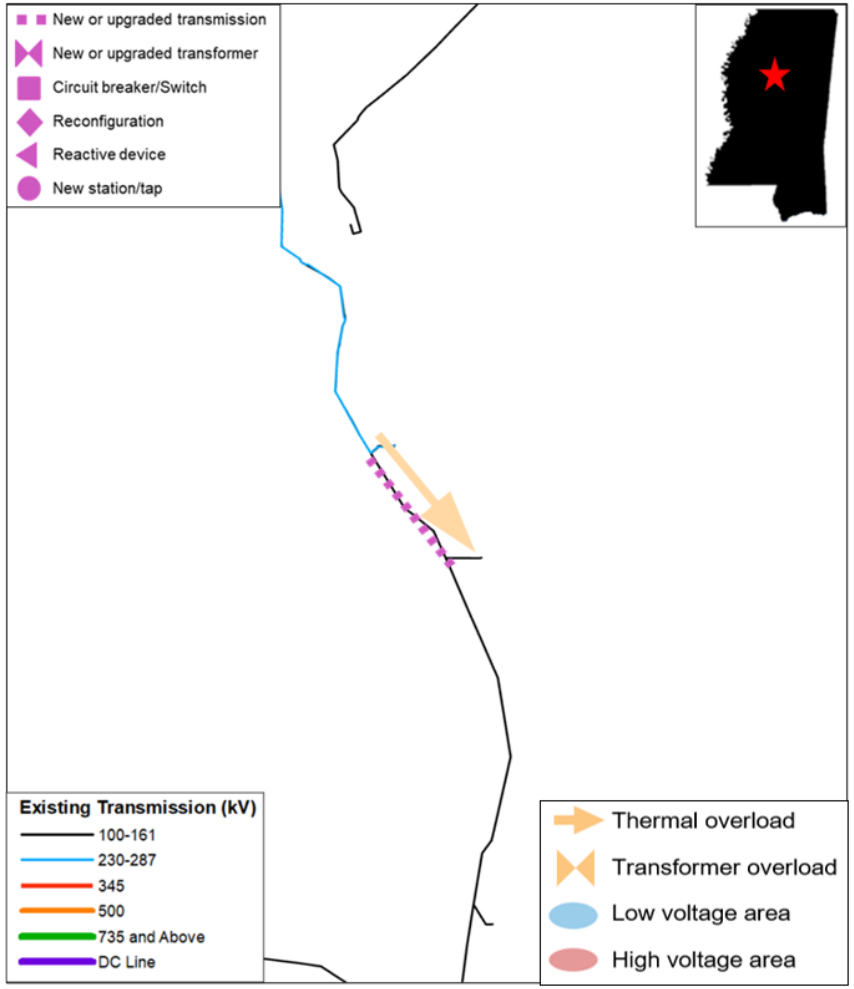



*MISO has not received MTEP26 project location data*

# ENTERGY MISSISSIPPI, LLC. (EMTO) MTEP26 ISD Breakdown



# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50928 |
|---|---|
| Project Name | S. Grenada - Elliott 115kV Line Rebuild |
| Project Type | BRP |
| Project Description | Rebuild S. Grenada - Elliot 115 kV line. |
| Current Cost | $7.2 M |
| Expected ISD | 04/01/2028 |
| Target Appendix | A |

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50928 | S. Grenada - Elliott 115kV Line Rebuild | 04/01/2028 | $7.2 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

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50927 | 2027 EML Asset Renewal Program | Age and Condition | 12/31/2027 | $50.8 M |
| 50930 | Deerfield 230kV: Build New Sub | Load Growth | 06/01/2029 | $30.6 M |
| **51146** | **CCS 115 kV Station** | **Load Growth** | **07/01/2027** | **$8.2 M** |
| **51298** | **Marquette 230 kV New Substation** | **Load Growth** | **06/01/2027** | **$27.9 M** |
| **51299** | **Macaw 230 kV New Substation** | **Load Growth** | **12/31/2026** | **$91.9 M** |
| **51434** | **Andes 230kV Expansion Phase 2** | **Load Growth** | **06/01/2028** | **$20.0 M** |

MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Generator Interconnection Projects (GIPs)

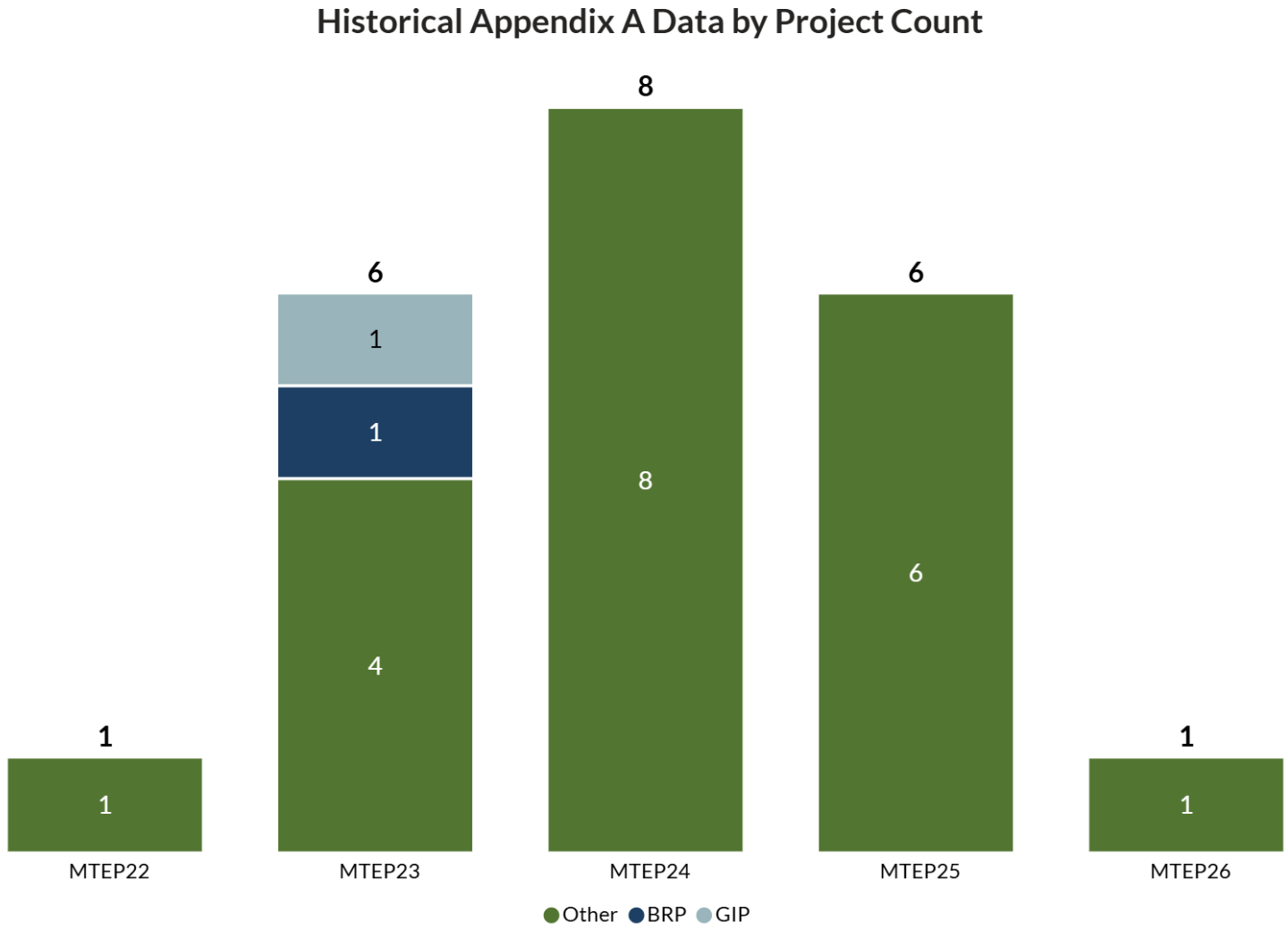
| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51147 | Bolton 115 kV Expand Station (J2173) | 12/15/2027 | $8.5 M |
| 51151 | J4146 Generator Interconnection at Green Acres 230 kV | 08/05/2028 | $9.1 M |
| 51154 | McAdams 230 kV: Solar Interconnection (J1891) | 12/31/2027 | $4.0 M |
| 51407 | E0031 GIA Interconnection at Baxter Wilson | 06/01/2027 | $5.2 M |
| 51423 | Andrus 230 kV: Connect Delta Blues Power Station | 05/01/2028 | $0.1 M |

# Cooperative Energy (SME)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 25493 | W. Hattiesburg – N. Hattiesburg Loop Line | Other – Local Reliability | Project ISD changed from 12/1/2027 to 6/1/2027 |

# COOPERATIVE ENERGY (SME) Historical Appendix A data, including recommended MTEP26



# COOPERATIVE ENERGY SME

MTEP26 Projects

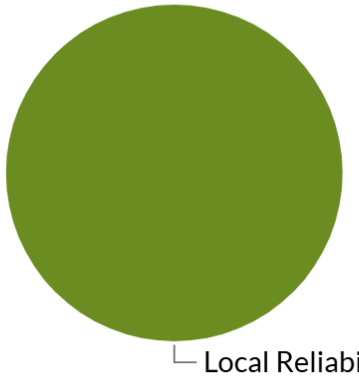



**1**
Total Projects

**$4M**
Investment

## Breakdown of Other Project Types

By Project Count

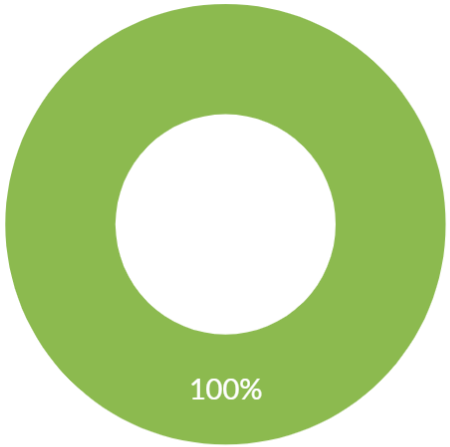



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost



# COOPERATIVE ENERGY (SME) MTEP26 Project Type Breakdown

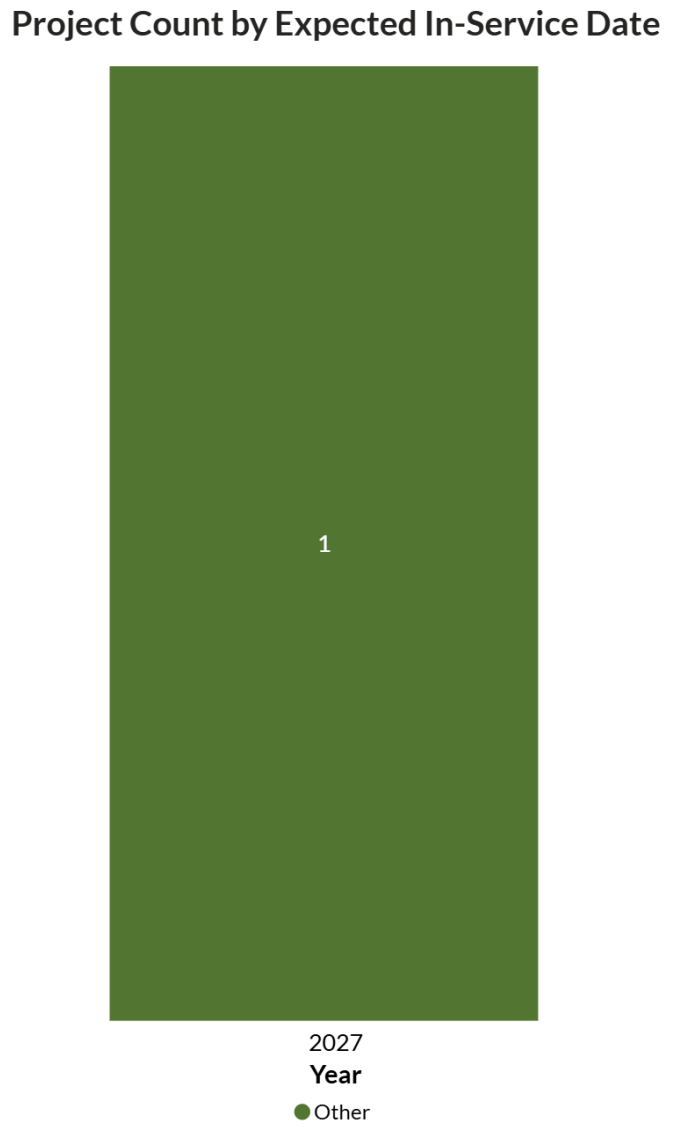
## COOPERATIVE ENERGY SME

MTEP26 Summary

| | |
|---|---|
| GIP | [illegible] |
| BRP | [illegible] |
| Other | 1 |



# COOPERATIVE ENERGY (SME) MTEP26 ISD Breakdown



# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 25493 | W. Hattiesburg - N. Hattiesburg Loop Line | Local Reliability | 06/01/2027 | $4.3 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.

# Questions?



Jonah Norton
Engineer – Expansion Planning

Trevor Armstrong
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

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LinkedIn: Midcontinent ISO




# MTEP26 Project Information – Texas

South Subregional Planning Meeting (SSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



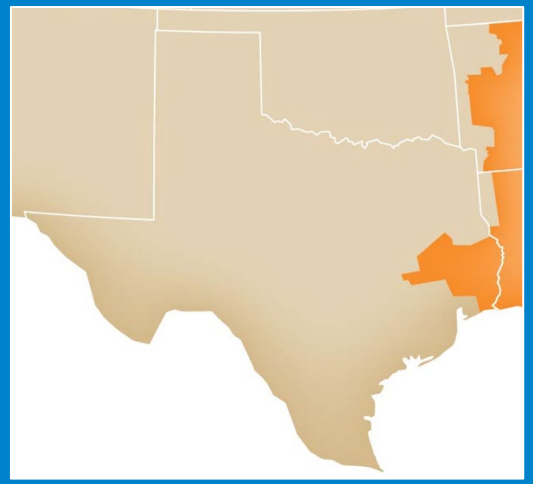
## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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*.

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

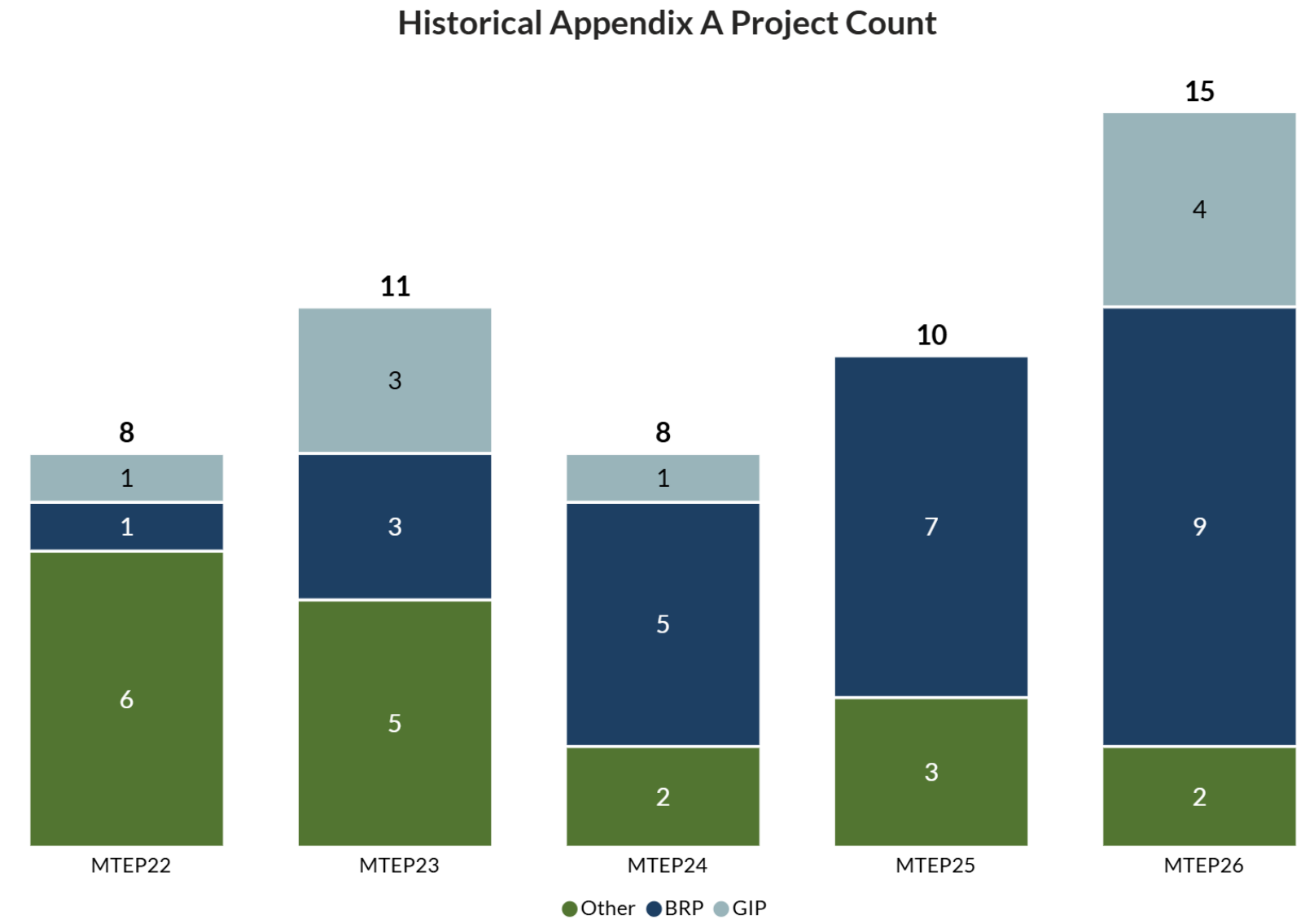


The details of the Texas projects and their costs are shown below:

- Entergy Services, LLC (EES-TX)
  - 15 submitted projects at an estimated cost of $336 million
- East Texas Electric Cooperative, Inc. (ETCT)
  - 2 submitted projects at an estimated cost of $152 million
- Sam Houston Electric Cooperative, Inc. (SHTO)
  - 1 submitted project at an estimated cost of $10 million

# Entergy Services, LLC (EES-TX)

# EES - TX Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# ENTERGY SERVICES, LLC.

## MTEP26 Projects

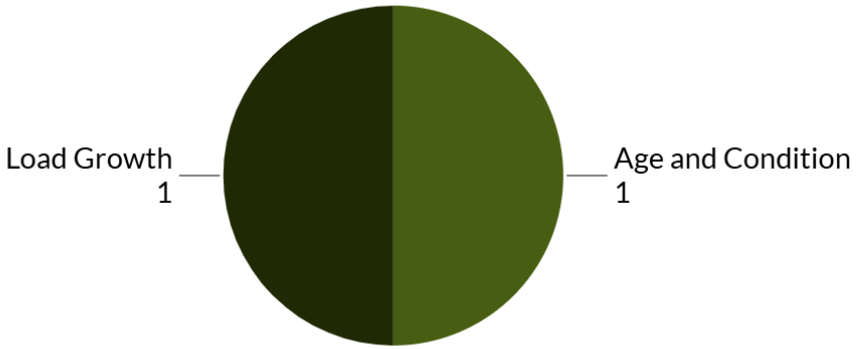



**15**
Total Projects

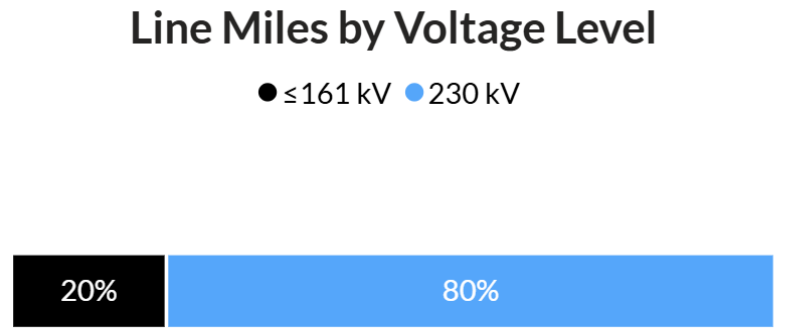
**$336M**
Investment

### Breakdown of Other Project Types

By Project Count

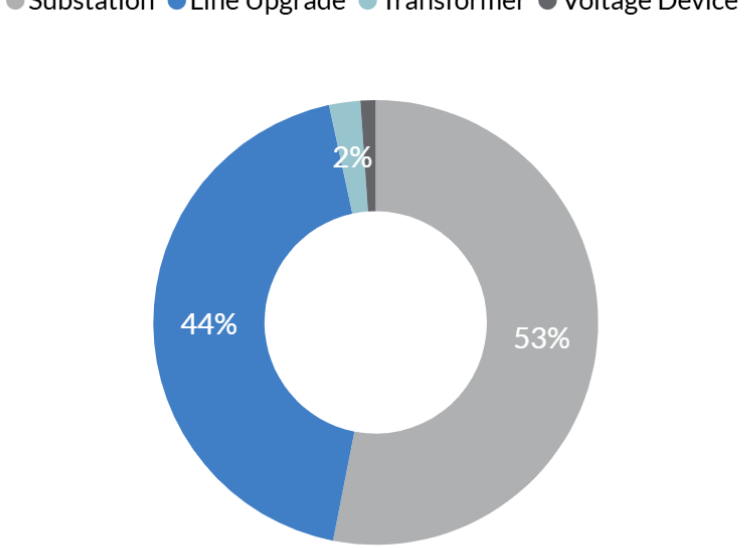



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost



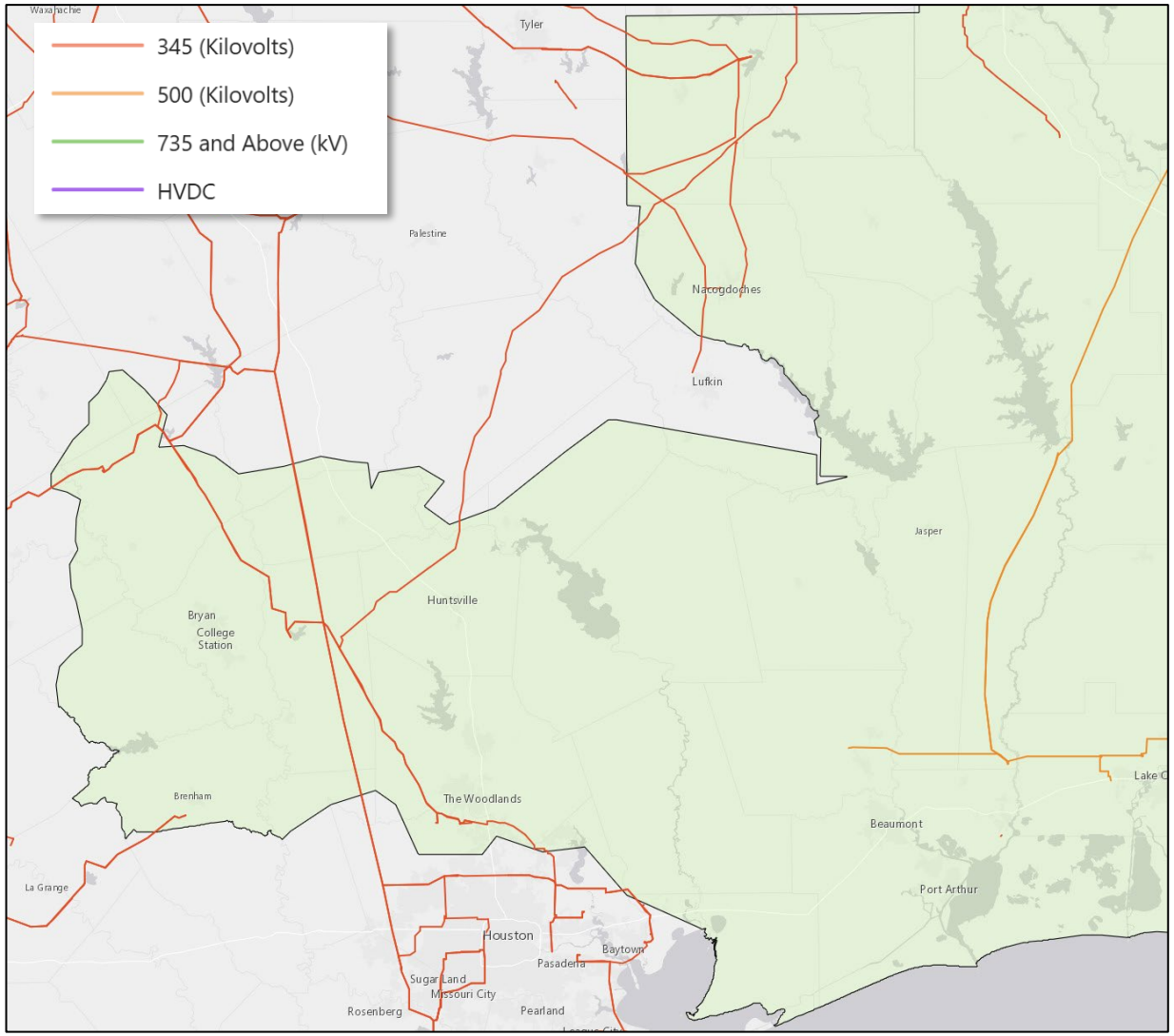

Project information as of 8/19/26.

# EES - TX MTEP26 Project Type Breakdown

## ENTERGY SERVICES, LLC.

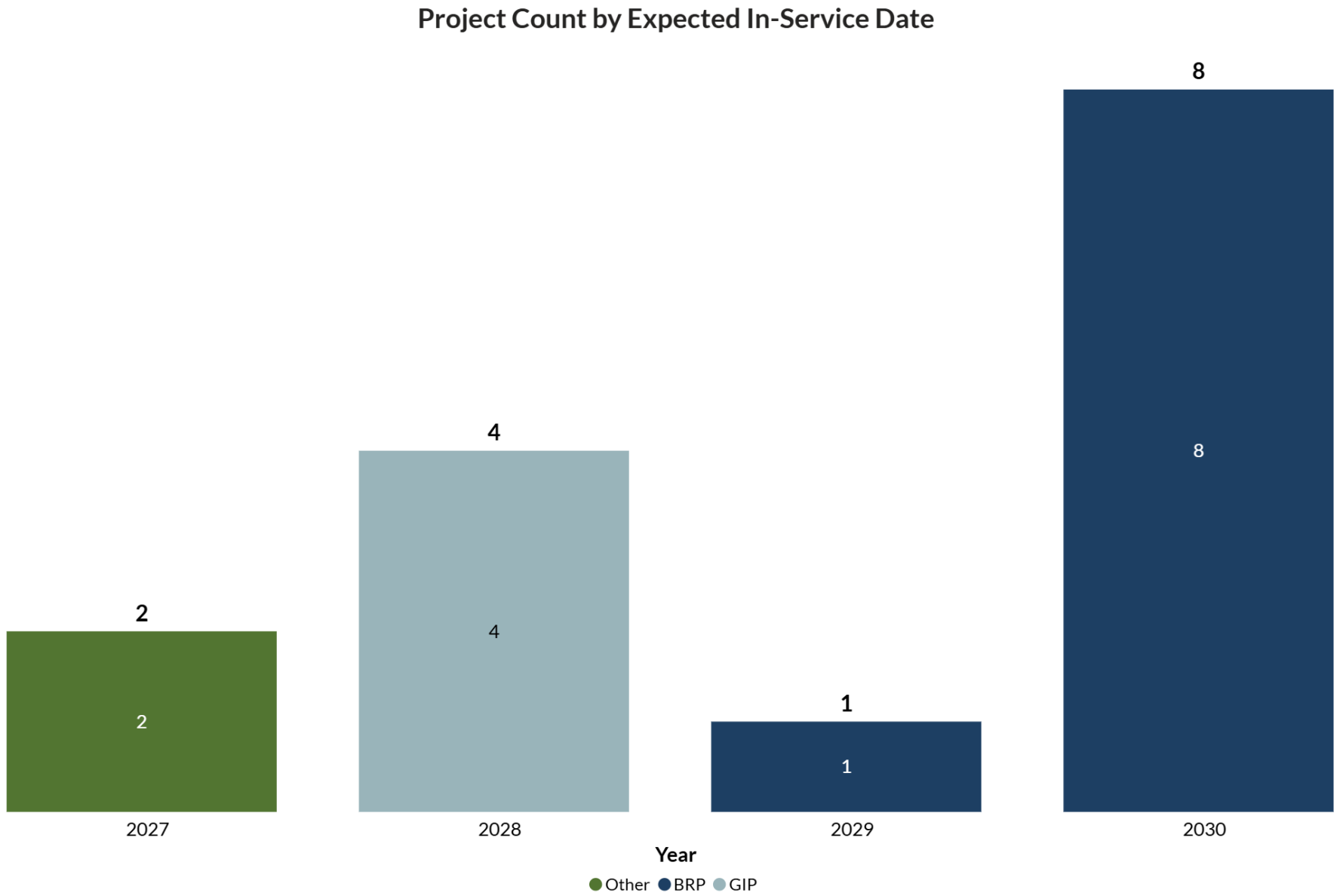
MTEP26 Summary

| | |
|---|---|
| GIP | 4 |
| BRP | 9 |
| Other | 2 |



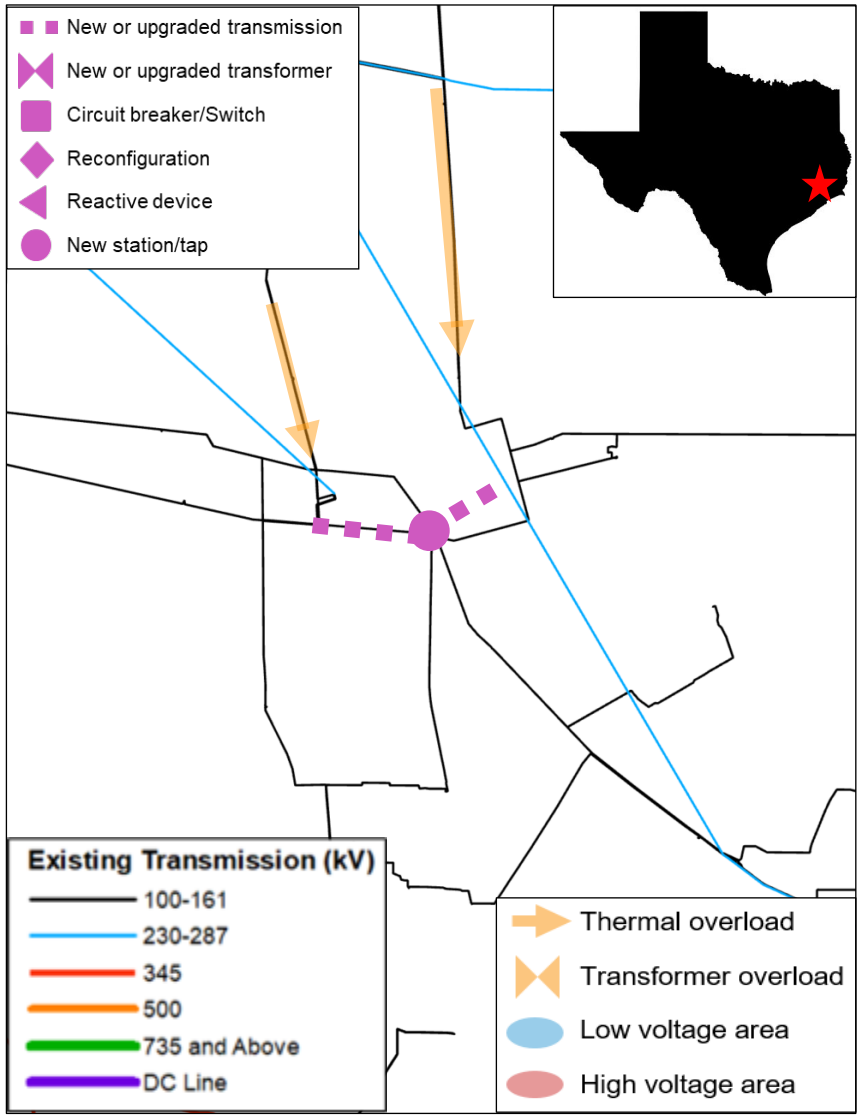

Project information as of 8/19/26.

# EES - TX MTEP26 ISD Breakdown



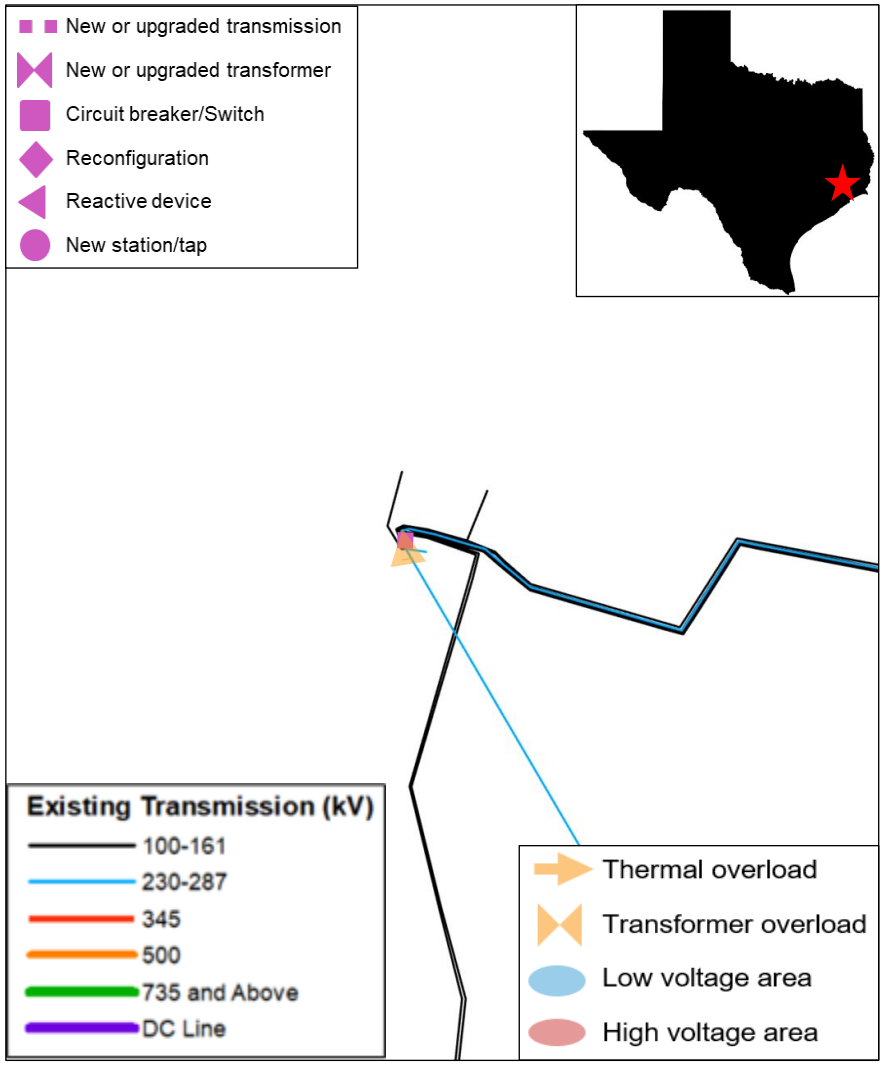

Project information as of 8/19/26.

# As already presented and justified, the following BRP is being recommended for Board approval



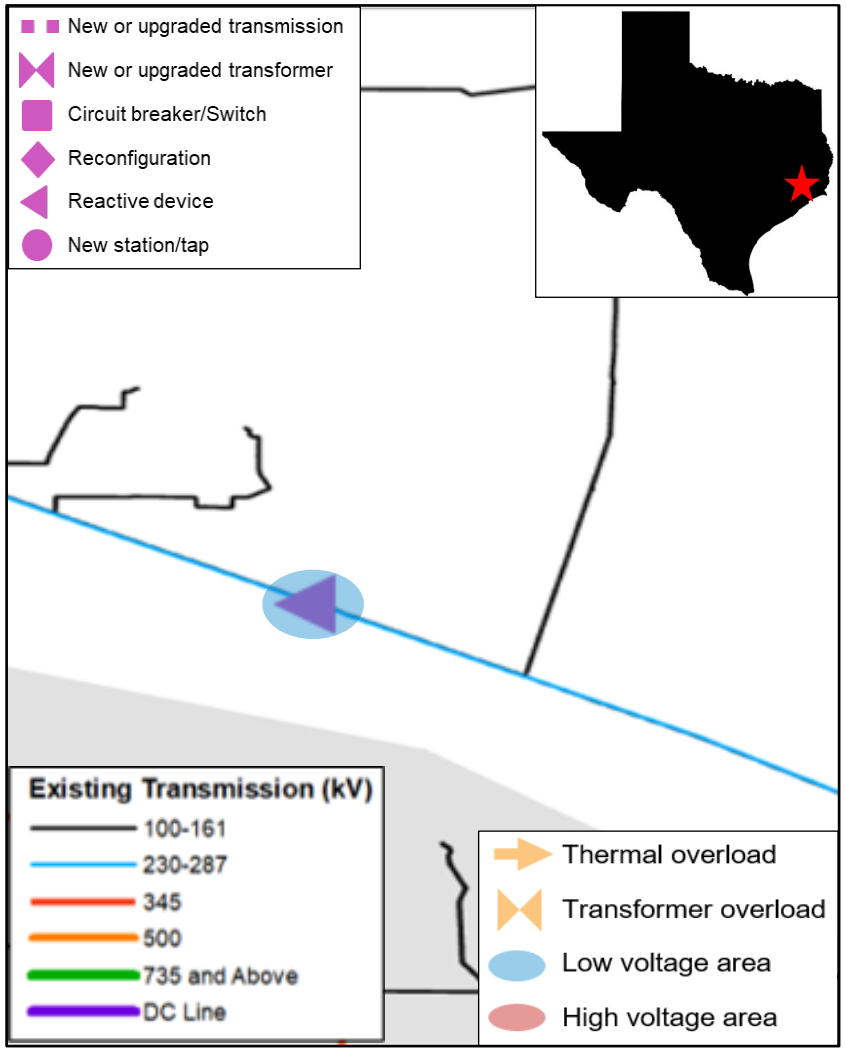

| MTEP Project ID | 50949 |
|---|---|
| Project Name | Conroe 230 kV Autotransformer and Line Rebuild |
| Project Type | BRP |
| Project Description | Construct 230 kV Conroe station near the existing Conroe 138 kV station. Cut in the Lewis Creek to Porter 230 kV line. Rebuild the Conroe to Ponderosa 138 kV line to 230 kV specifications and terminate in the new Conroe 230 kV station. |
| Current Cost | $63.1 M |
| Expected ISD | 04/27/2030 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval



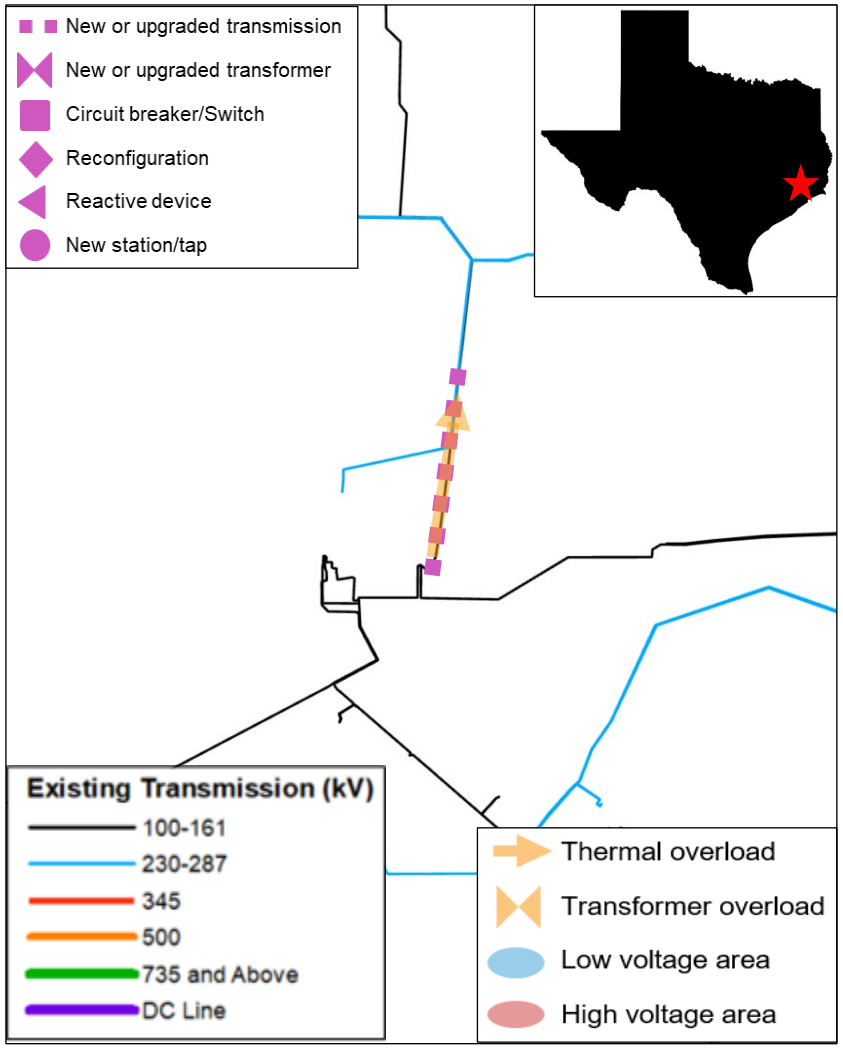

| MTEP Project ID | 50954 |
|---|---|
| Project Name | Lewis Creek to Lacon 138 kV Upgrade |
| Project Type | BRP |
| Project Description | Rebuild Lewis Creek – Lacon 138 kV line. Upgrade any associated station equipment. |
| Current Cost | $2.5 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval



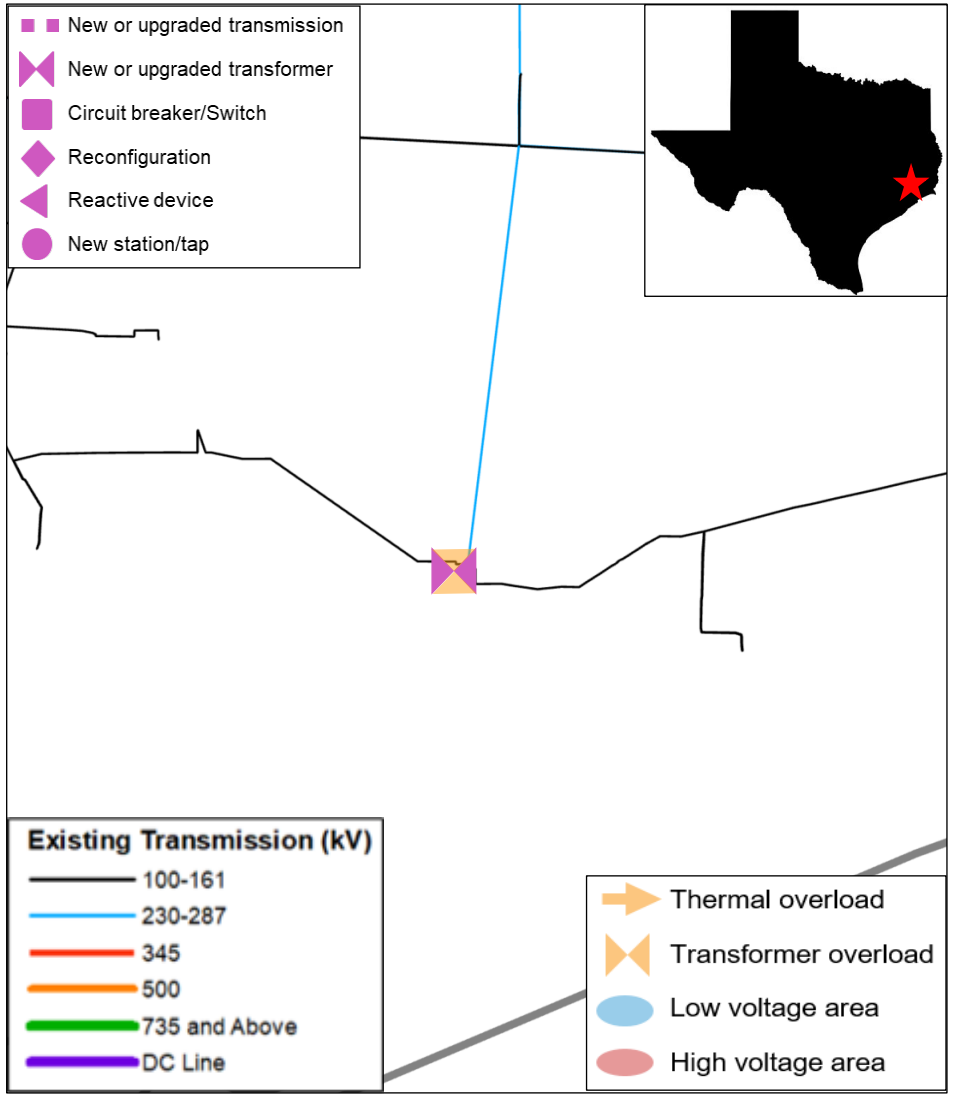

| MTEP Project ID | 50956 |
|---|---|
| Project Name | Millbend 138 kV Capacitor Bank |
| Project Type | BRP |
| Project Description | Install a Capacitor Bank at Millbend 138 kV Substation. |
| Current Cost | $3.7 M |
| Expected ISD | 09/26/2030 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval



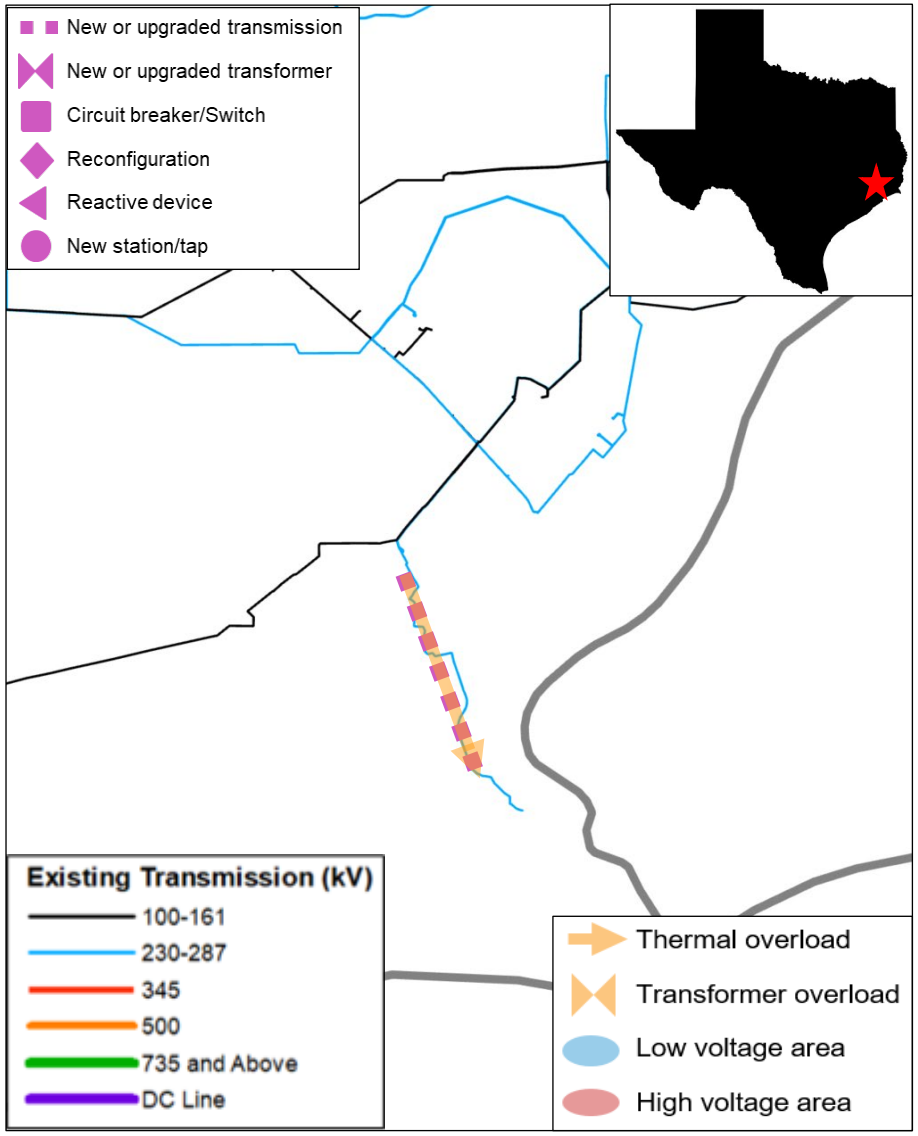

| MTEP Project ID | 50957 |
|---|---|
| Project Name | Neches to Viway 138 kV Station Equipment Upgrade |
| Project Type | BRP |
| Project Description | Upgrade line bay risers at Viway 138 kV to a minimum of 920 amps. |
| Current Cost | $2.5 M |
| Expected ISD | 10/30/2030 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval



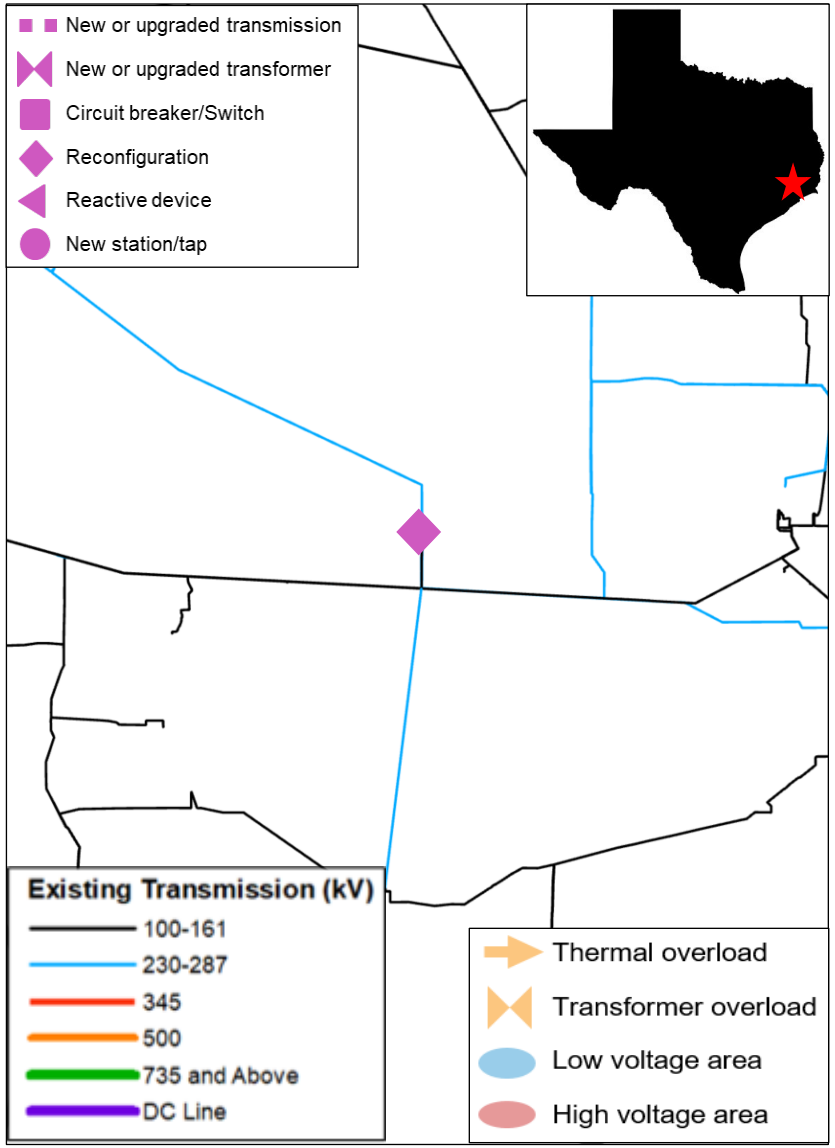

| MTEP Project ID | 50959 |
|---|---|
| Project Name | Stowell 138-69 kV Autotransformer Upgrade |
| Project Type | BRP |
| Project Description | Upgrade 138-69 kV Autotransformer 4 at Stowell 138kV Station. |
| Current Cost | $7.6 M |
| Expected ISD | 08/01/2030 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval



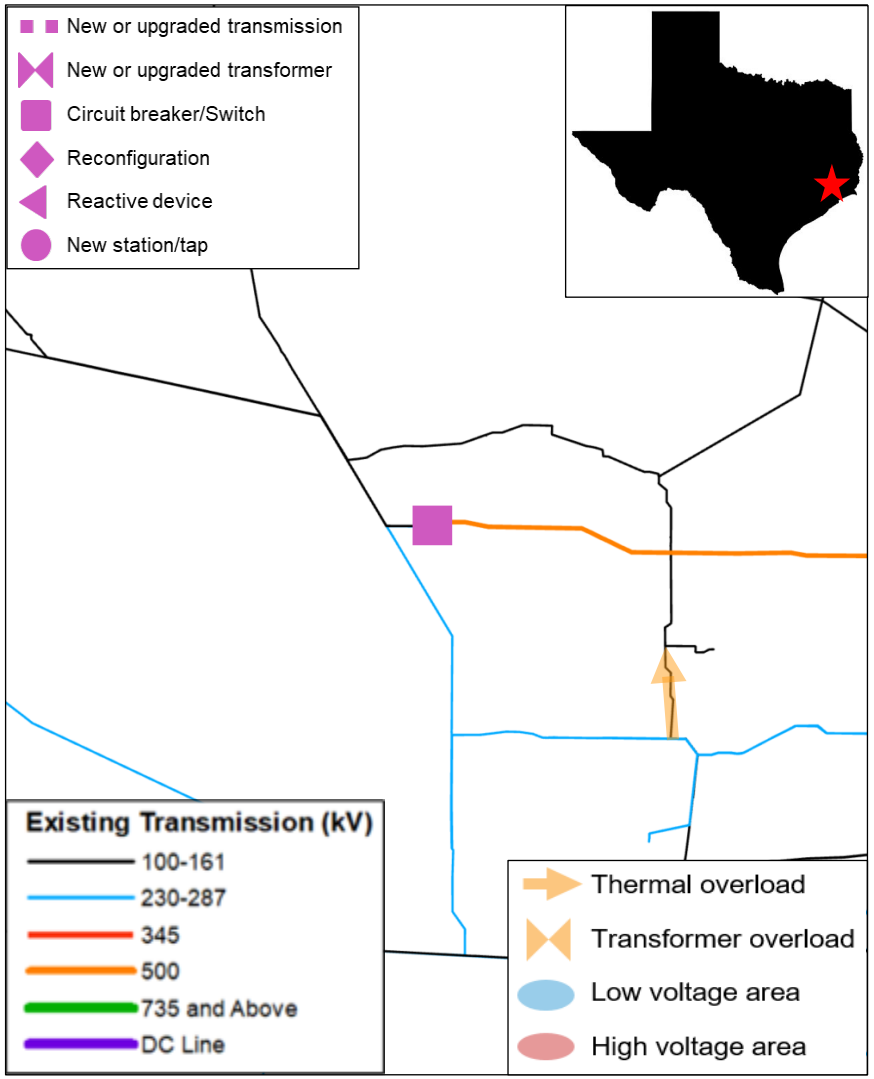

| MTEP Project ID | 50961 |
|---|---|
| Project Name | Legend to Sandling 230 kV Lines Rebuild |
| Project Type | BRP |
| Project Description | Upgrade Legend-Sandling 230 kV lines 829 and 830. |
| Current Cost | $138.9 M |
| Expected ISD | 11/30/2029 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval



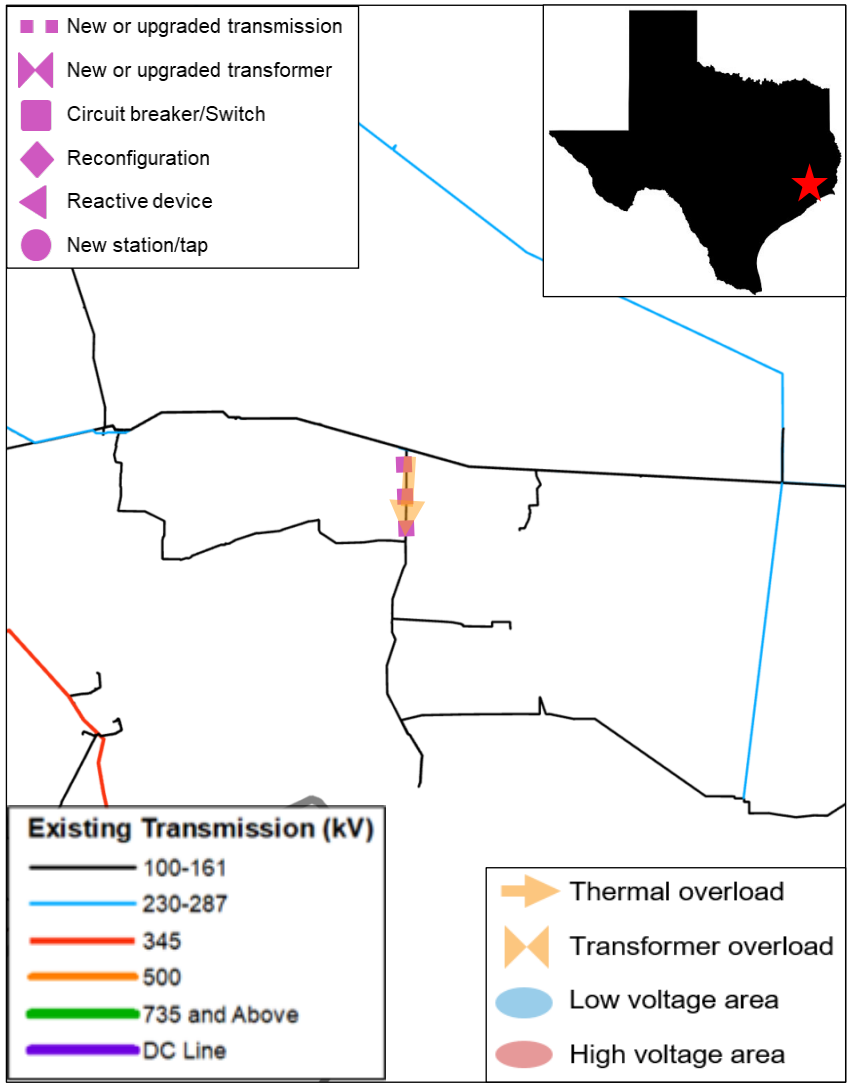

| MTEP Project ID | 50962 |
|---|---|
| Project Name | China 230 kV Station Reconfigure |
| Project Type | BRP |
| Project Description | Reconfigure China 230 kV bus so that China – Stowell 230 kV and the China 230/138 kV autotransformer do not share a common breaker. |
| Current Cost | $6.6 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50963 |
|---|---|
| Project Name | Cypress 500/230/138 kV SPOF |
| Project Type | BRP |
| Project Description | Ensure relay redundancy at Cypress 500, 230, and138 kV buses: trip coils, batteries, relays to eliminate the P5 contingency. |
| Current Cost | $3.7 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |

# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50967 |
|---|---|
| Project Name | Raywood to Pintail 138 kV Rebuild |
| Project Type | BRP |
| Project Description | Rebuild/Upgrade portions of the Raywood – Pintail 138 kV line. |
| Current Cost | $5.2 M |
| Expected ISD | 12/31/2030 |
| Target Appendix | A |

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50949 | Conroe 230 kV Autotransformer and Line Rebuild | 04/27/2030 | $63.1 M |
| 50954 | Lewis Creek to Lacon 138 kV Upgrade | 12/01/2030 | $2.5 M |
| 50956 | Millbend 138 kV Capacitor Bank | 09/26/2030 | $3.7 M |
| 50957 | Neches to Viway 138 kV Station Equipment Upgrade | 10/30/2030 | $2.5 M |
| 50959 | Stowell 138-69 kV Autotransformer Upgrade | 08/01/2030 | $7.6 M |
| 50961 | Legend to Sandling 230 kV Lines Rebuild | 11/30/2029 | $138.9 M |
| 50962 | China 230 kV Station Reconfigure | 12/31/2030 | $6.6 M |
| 50963 | Cypress 500/230/138 kV SPOF | 12/01/2030 | $3.7 M |
| 50967 | Raywood to Pintail 138 kV Rebuild | 12/31/2030 | $5.2 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

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50932 | 2027 ETI Asset Renewal | Age and Condition | 12/31/2027 | $35.1 M |
| **51329** | **Brazos Plantersville 230 kV Station** | **Load Growth** | **12/01/2027** | **$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.

# Generator Interconnection Projects (GIPs)

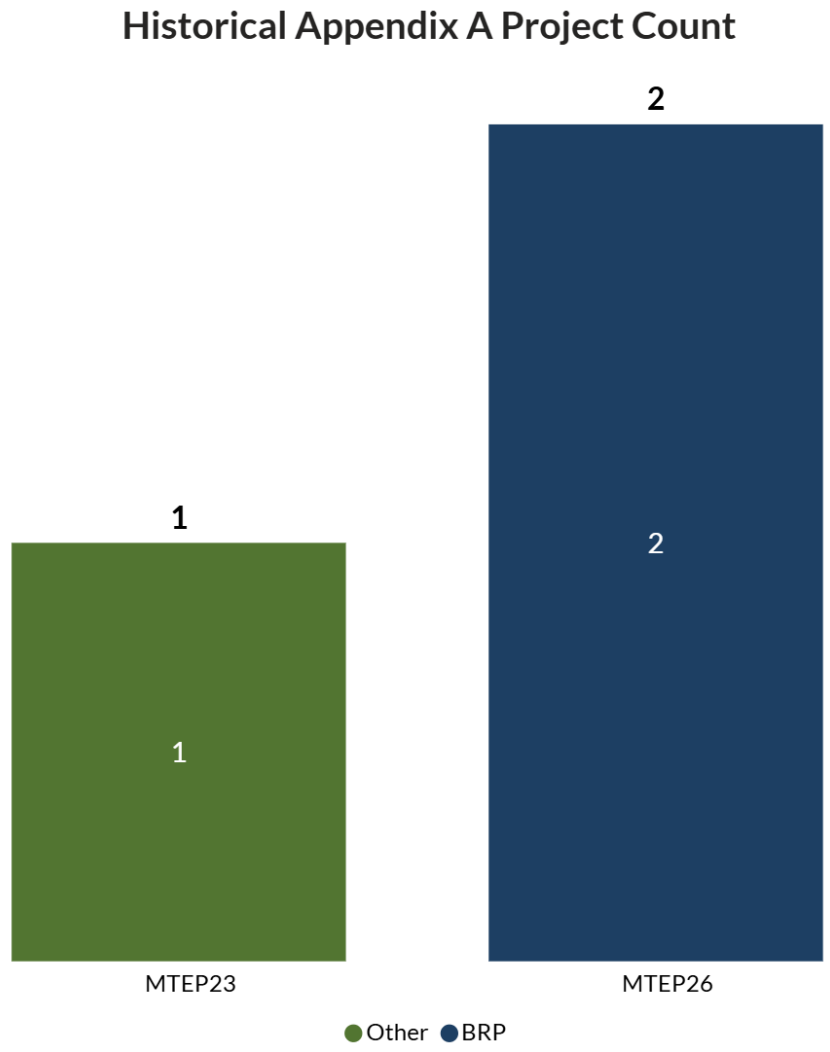
| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51156 | J2165 230kV Interconnection on Jacinto to Batiste Creek 230 kV | 11/01/2028 | $5.0 M |
| 51169 | J2075 230kV Interconnection on Batiste Creek to China 230 kV | 05/30/2028 | $24.6 M |
| 51190 | J1849 GIA at Cypress 230 kV Station | 05/30/2028 | $7.7 M |
| 51201 | J2071 GIA POI on Cypress to Rye 138 kV | 12/01/2028 | $30.2 M |

# East Texas Electric Cooperative, Inc. (ETCT)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| **51202** | DETEC-Horton Hill<br>to Weirgate 138kV conversion | BRP | Withdrawn |

# EAST TEXAS ELECTRIC COOPERATIVE, INC. (ETCT) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# EAST TEXAS ELECTRIC COOPERATIVE, INC.ETCT

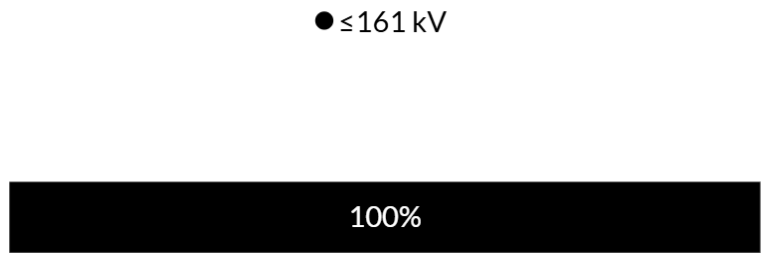
MTEP26 Projects




**2**
Total Projects

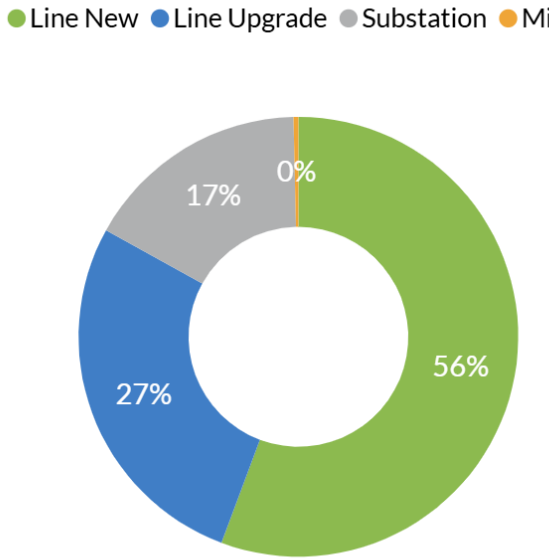
**$152M**
Investment

## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost



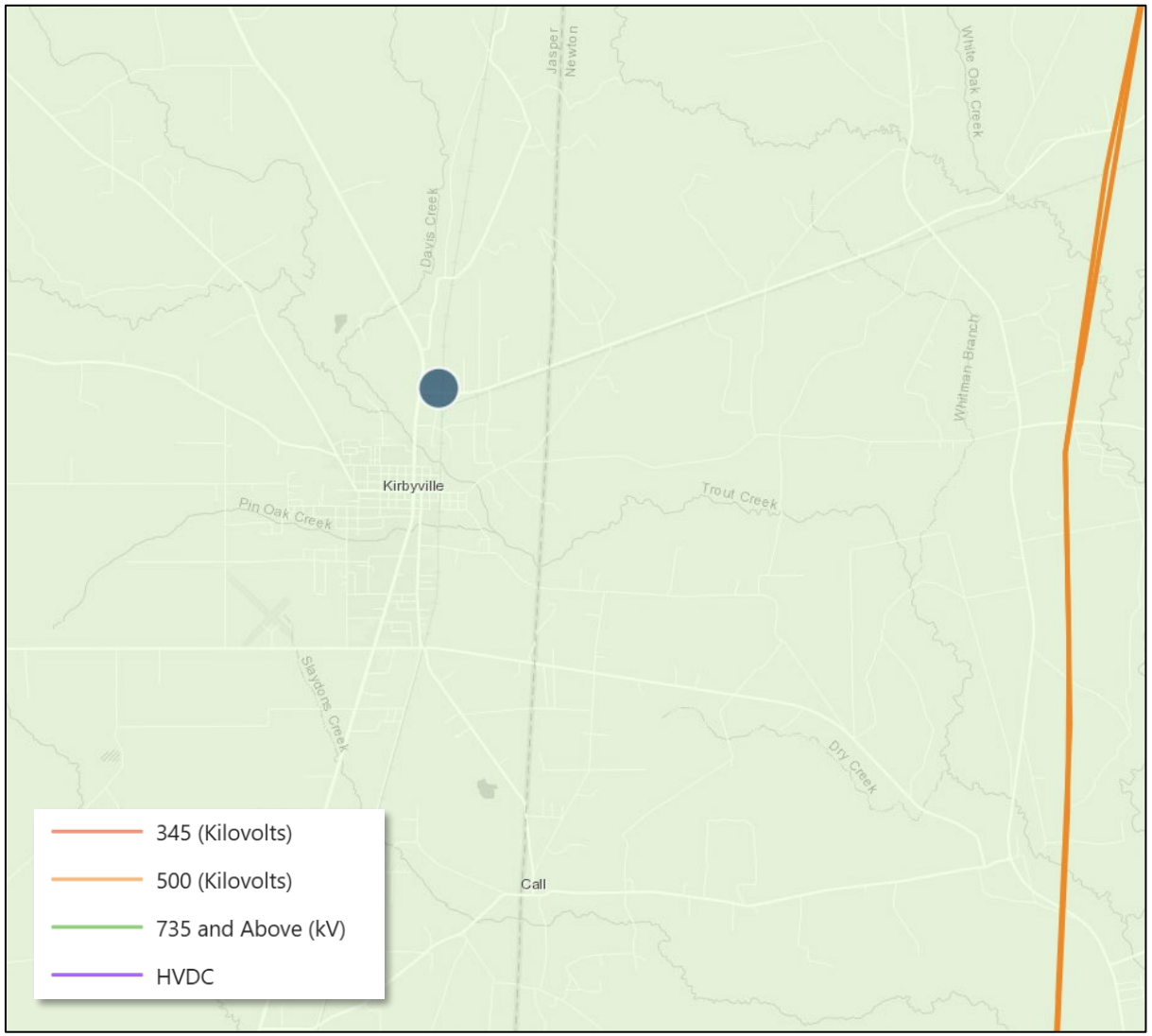

Project information as of 8/19/26.

# EAST TEXAS ELECTRIC COOPERATIVE, INC. (ETCT) MTEP26 Project Type Breakdown

## EAST TEXAS ELECTRIC COOPERATIVE, INC.ETCT

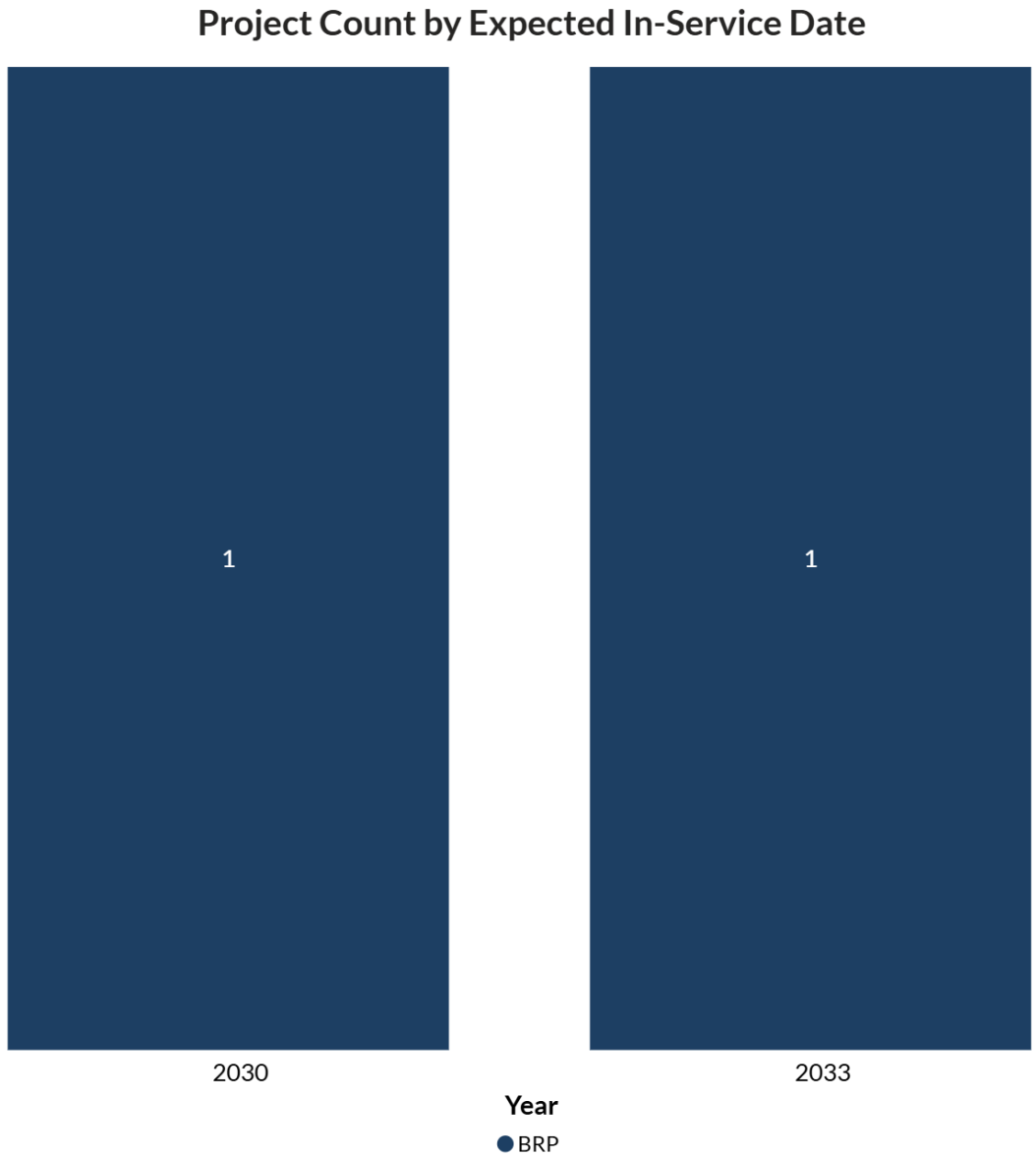
MTEP26 Summary

| | |
|---|---|
| GIP | (Blank) |
| BRP | 2 |
| Other | (Blank) |



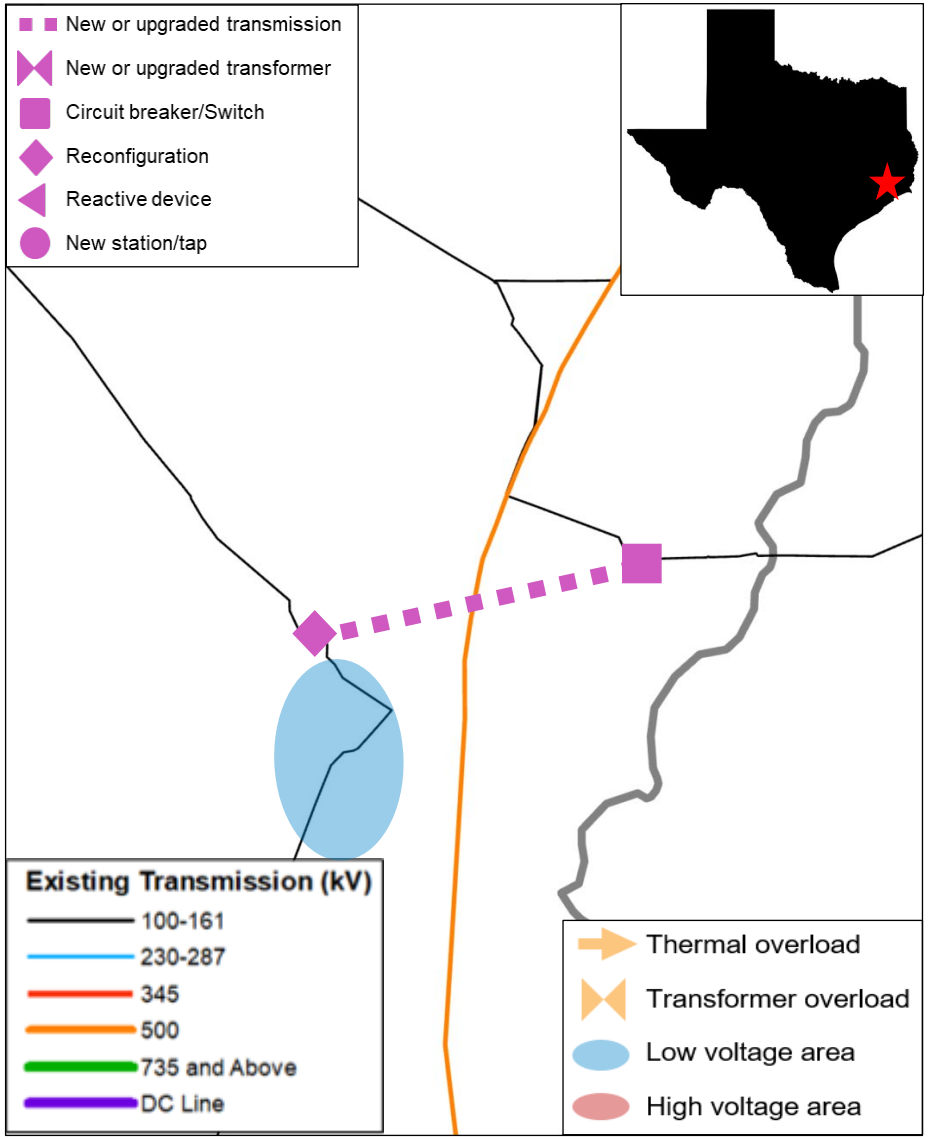

Project information as of 8/19/26.

# EAST TEXAS ELECTRIC COOPERATIVE, INC. (ETCT) MTEP26 ISD Breakdown




Project information as of 8/19/26.

# As already presented and justified, the following BRP is being recommended for Board approval




| MTEP Project ID | 50793 |
|---|---|
| Project Name | JNEC- Kirbyville to Entergy-Fawil 138kV Project |
| Project Type | BRP |
| Project Description | This project was created to address a TPL-001-5.1 violation for P6/N-1 events. ETEC/JNEC will build a new 12.61 mile 138kV transmission line from Entergy's 138kV Fawil substation to Jasper Newton's (JNEC) 138kV Kirbyville substation. We will reconfigure the Kirbyville substation into a four-breaker ring bus substation to accommodate the new 138kV line. Entergy will have substation upgrades at Fawil as well. |
| Current Cost | $75.0 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |

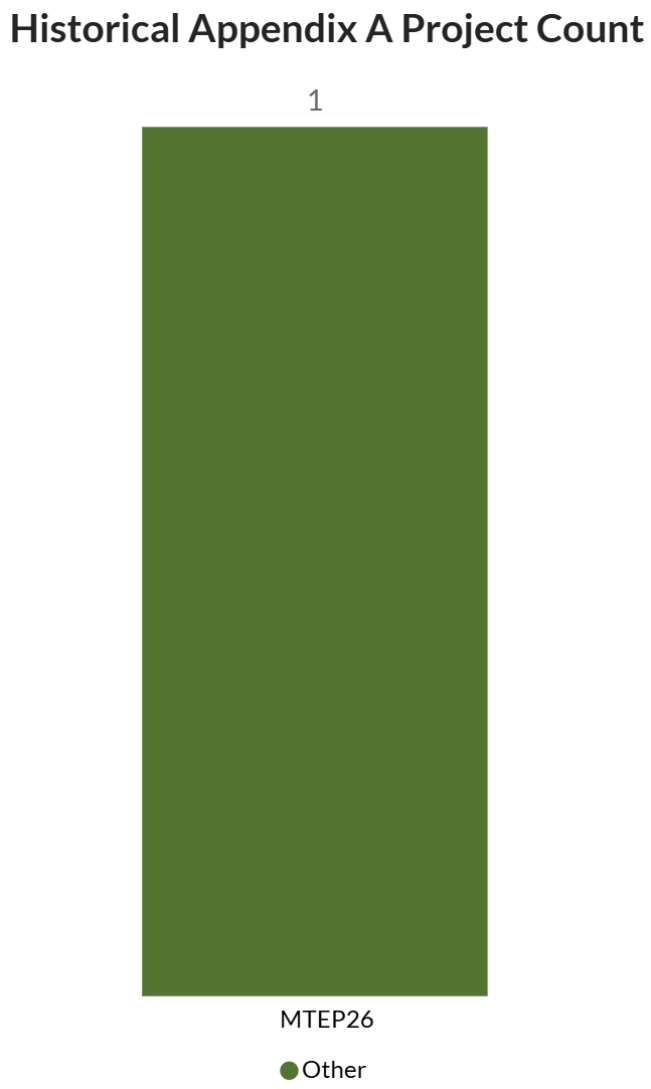
# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50793 | JNEC- Kirbyville to Entergy-Fawil 138kV Project | 12/01/2030 | $75.0 M |
| 51202 | DETEC-Horton Hill to Weirgate 138kV conversion | 12/31/2033 | $77.2 M (Withdrawn) |

**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.

# Sam Houston Electric Cooperative, Inc. (SHTO)

# SAM HOUSTON ELECTRIC COOPERATIVE, INC. (SHTO) Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# SAM HOUSTON ELECTRIC COOPERATIVE, INC.SHTO

MTEP26 Projects

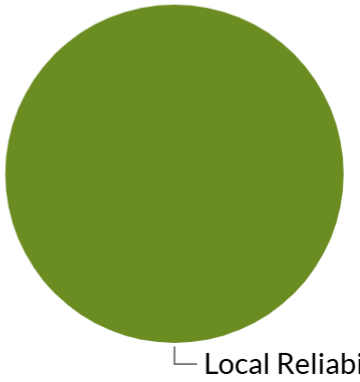



**1**
Total Projects

**$10M**
Investment

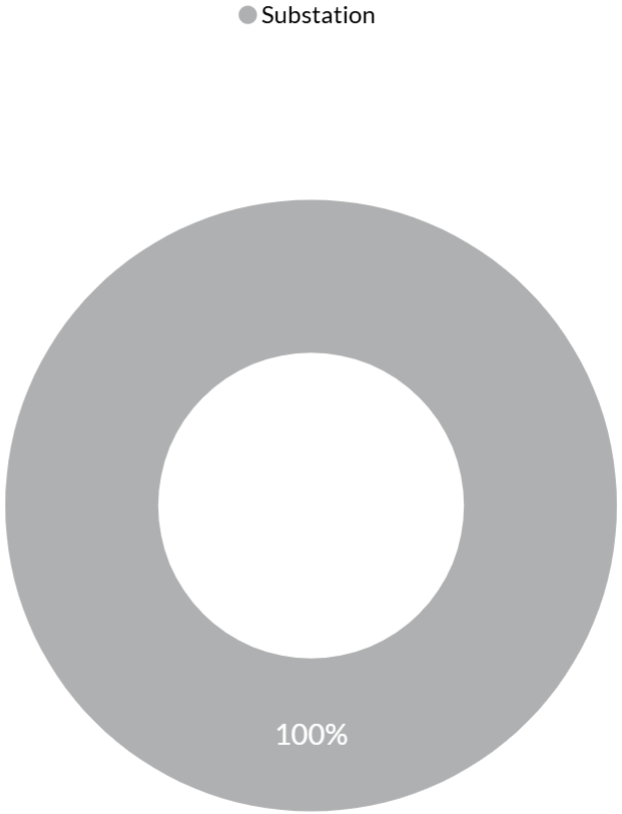
## Breakdown of Other Project Types

By Project Count




## Project Facility Types

As a Percentage of Cost




Project information as of 8/19/26.

# SAM HOUSTON ELECTRIC COOPERATIVE, INC. (SHTO) MTEP26 Project Type Breakdown

## SAM HOUSTON ELECTRIC COOPERATIVE, INC.SHTO

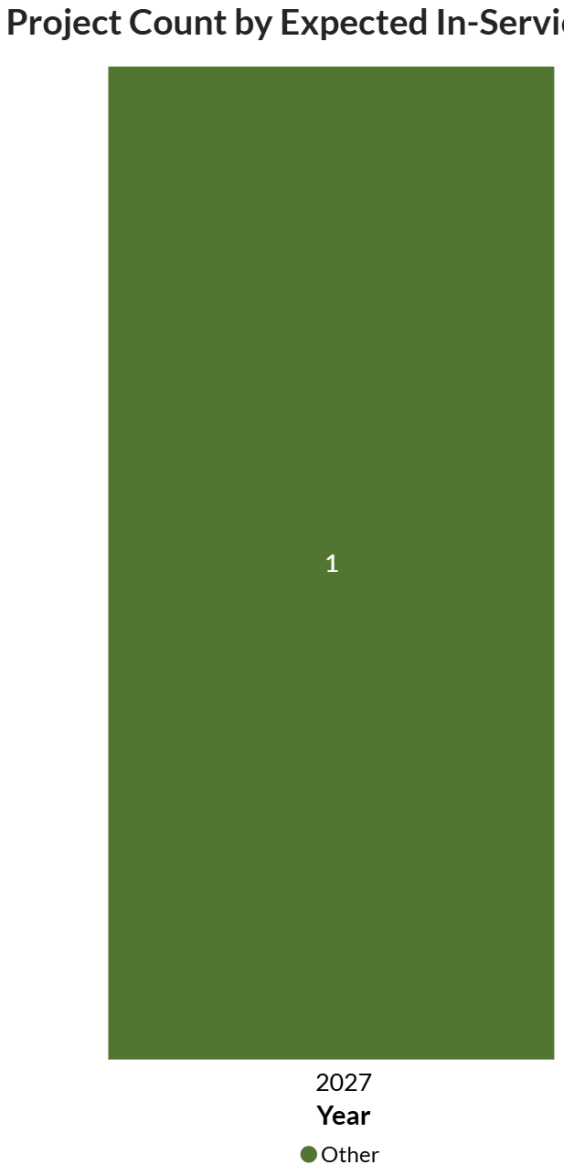
MTEP26 Summary

| | |
|---|---|
| GIP | [illegible] |
| BRP | [illegible] |
| Other | 1 |




Project information as of 8/19/26.

# SAM HOUSTON ELECTRIC COOPERATIVE, INC. (SHTO) MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50747 | New Sub 138kV Sub Fish Lake | Local Reliability | 10/01/2027 | $10.0 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.

# Questions?



Bradley Burns
Engineer – Expansion Planning

Trevor Armstrong
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

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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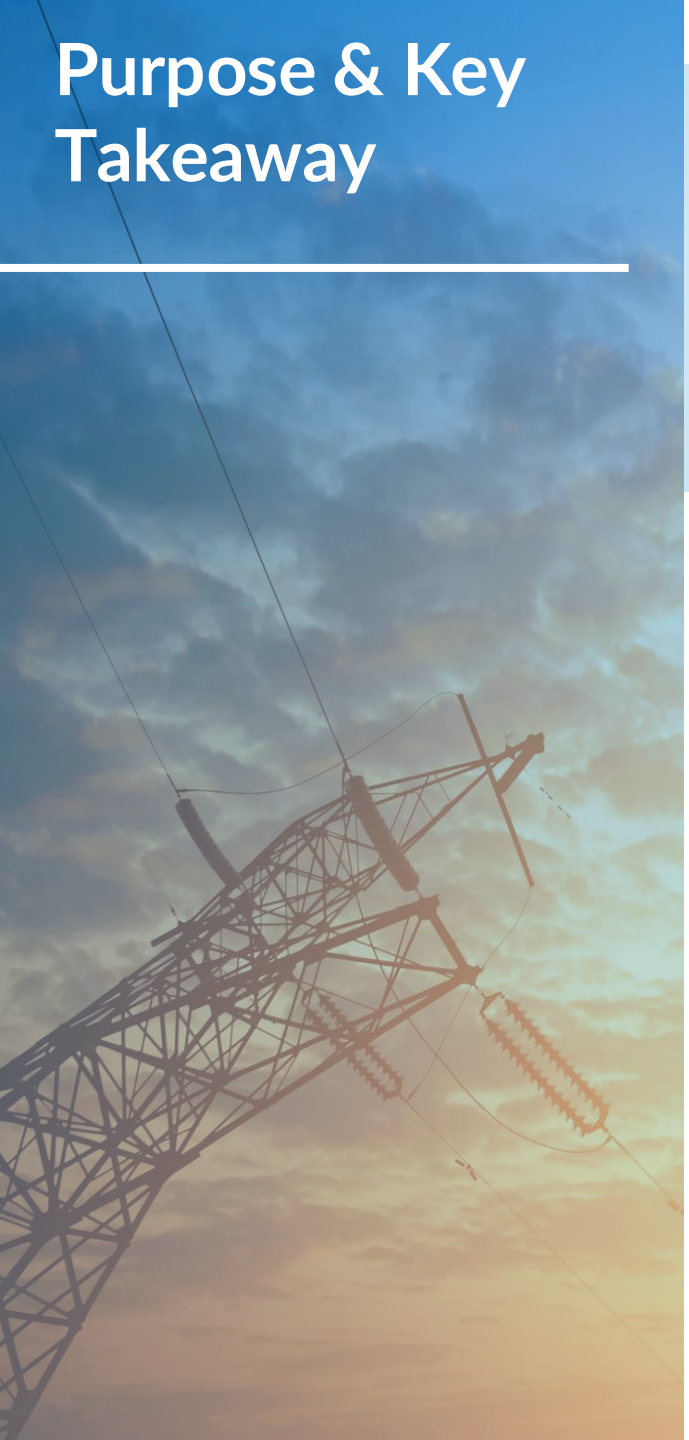



# MTEP26 Reliability Planning Scope Overview

West Subregional Planning Meeting (WSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Present MISO's final MTEP26 project recommendations for December Board approval

## Key Takeaways

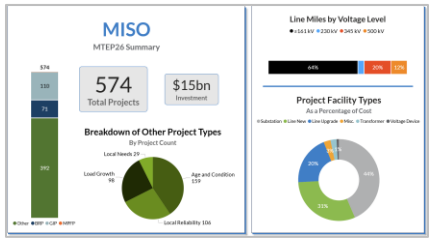
- 562 new Appendix A projects are targeted for MTEP26
  - Of those, 231 are proposed in the West region
- Today's focus is to review projects MISO is recommending for MTEP26 Appendix A
- In December, MISO staff will present the recommended MTEP26 Appendix A projects, as well as the Report, for Board approval
- The interactive MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026

# Stakeholder engagement is critical to the planning process and developing MTEPs

**Project Proposal Submission**
Project proposals are submitted through the MTEP Portal




**Subregional Planning Meetings**
Project proposals are reviewed, justified, and recommended in SPMs




**MTEP Report**
Recommended Appendix A Projects and the official MTEP report are approved by Board of Directors

**Local Reliability Journey Begins Here**

**TO/MP Submit Project Proposals**
***Sept. 15th***

**SPM #1**
**Present TO/MP Submitted Projects**
*Feb 10-11*
*Data Entry 1/23*

**Alternative Project Submission**
*May 31*

**SPM #2**
**Results of MISO Independent TPL assessment**
*Jun 2-3*
*Data Entry 5/15*

**We are here (SPM3)**

**SPM #3**
**Present MTEP project recommendations**
*Sept 3-4*
*Data Entry 8/19*

MTEP Report ★

| 2025 | | | | | | | | | | | | 2026 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Jun | Jul | Aug | Sep | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |

**Information Exchange**
- LPC
- Project Proposals
- Tariff Deadlines
- Info Exchange

**Project Proposal Review**
- Cursory Review
- Style guide cleanup
- Accounting for…

**MISO Independent Reliability Assessment**
- MISO Data Request
- TPL Assessment
- Project justifications
- Transfer Capability Analysis

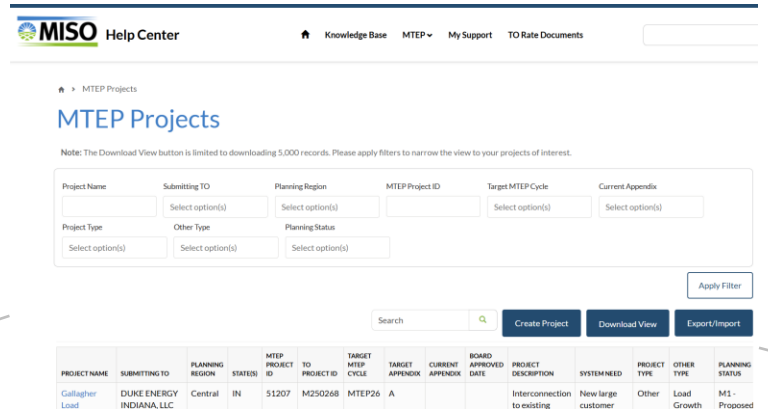
**MISO alternative/ gap Assessment**
- Alternative Review
- Gap Analysis

**MISO Board of Directors approval/Compliance Documentation**
- Compliance Season
- Report Writing
- BoD Approval

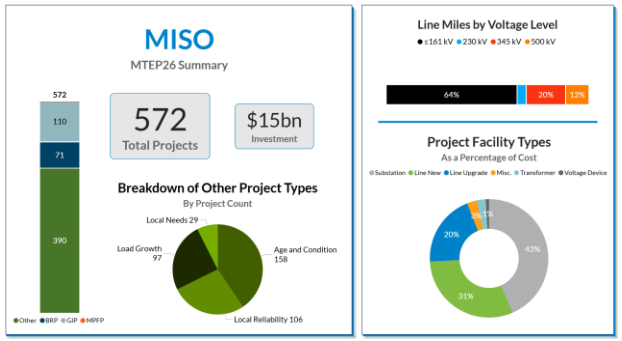
**Present Day**

TO = Transmission Owners MP = Market Participants SPM = Subregional Planning Meeting
TPL is a NERC Reliability Standard for Transmission Planning

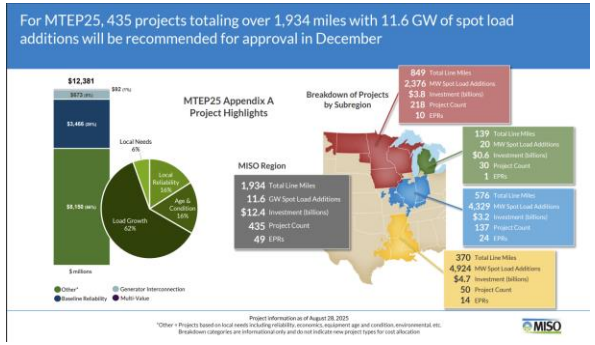
# The MTEP Portal houses and drives all data and communication outwardly, reducing the risk of data errors



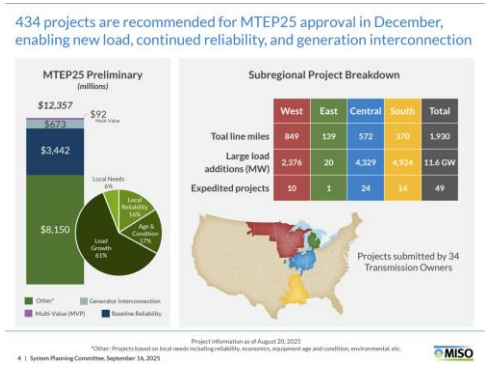

## Subregional Planning Meeting (SPM)



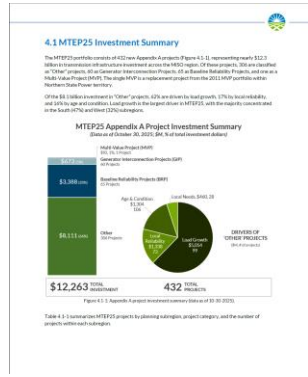

## Planning Advisory Committee (PAC)




## System Planning Committee (SPC)

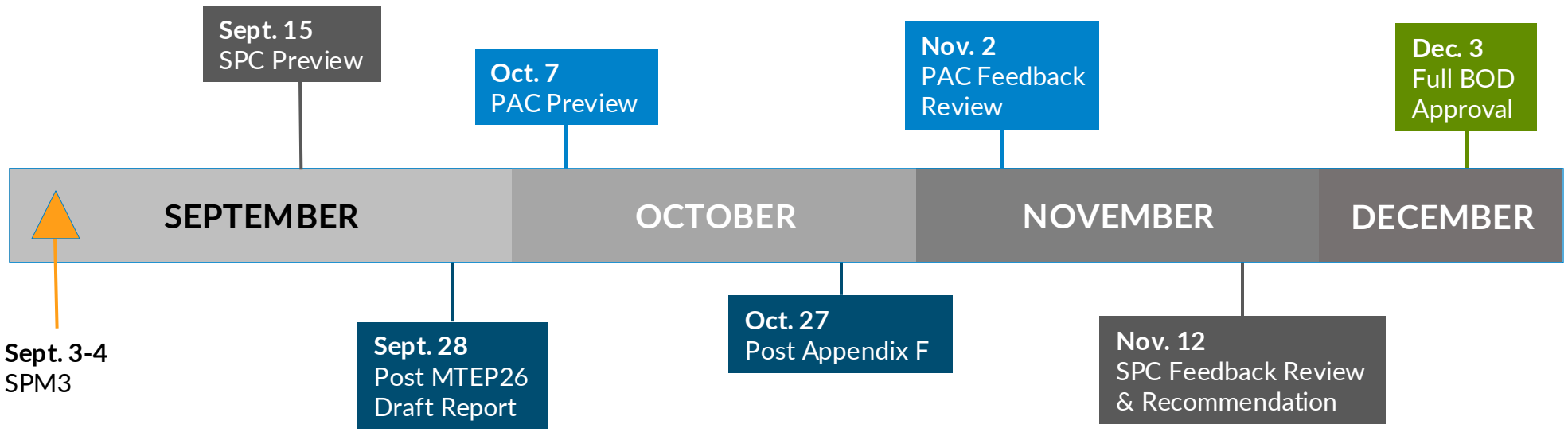



## Official MTEP Report



# MTEP26 Report schedule meets the December Board approval deadline

**(Sept. 28 – Oct. 12)**
MTEP26 Stakeholder Substantive Feedback Window




## NOTICE

**August 19, 2026 (COB)**
***Deadline*** *to Update Project Information in the MTEP Portal in order to be presented at SPM3 AND included in MTEP26 Report*

- Planning Advisory Committee
- MTEP Report Public Posting
- System Planning Committee
- Board Final
- Stakeholder Deadlines
- Subregional Planning Meetings (SPM)

Dates as of 5/15/2026

# MTEP27 Study Scope Development

- Each year, in accordance with Section 2.8.2.1 of the MISO Transmission Planning Business Practice Manual, MISO requests feedback regarding the study scope for the MISO Transmission Expansion Plan (MTEP).
- While the MTEP scope is fixed in part by provisions of the Owners Agreement, Tariff, and Business Practices Manuals, additional study items may be added, as necessary, from cycle-to-cycle.
- In addition to the core MTEP studies, MISO has resumed the Long-Range Transmission Planning study. This effort is anticipated to require significant commitment of resources and will limit MISO's capacity to take on additional studies.
- MISO will continue Interregional Planning study efforts with SPP and PJM.
- Scope input received in stakeholder forums will be presented for discussion at the Planning Advisory Committee later this fall.

# Stakeholder Feedback Request

- MISO requests feedback by October 29, 2026, on MTEP27 study scope focus on additional/modified planning study work.
- Feedback requests and responses are managed through the Feedback Tool on the MISO website: https://www.misoenergy.org/engage/stakeholder feedback/
  - For comments on MISO's planning policies or processes, use the *Informal Feedback* request on the tool.

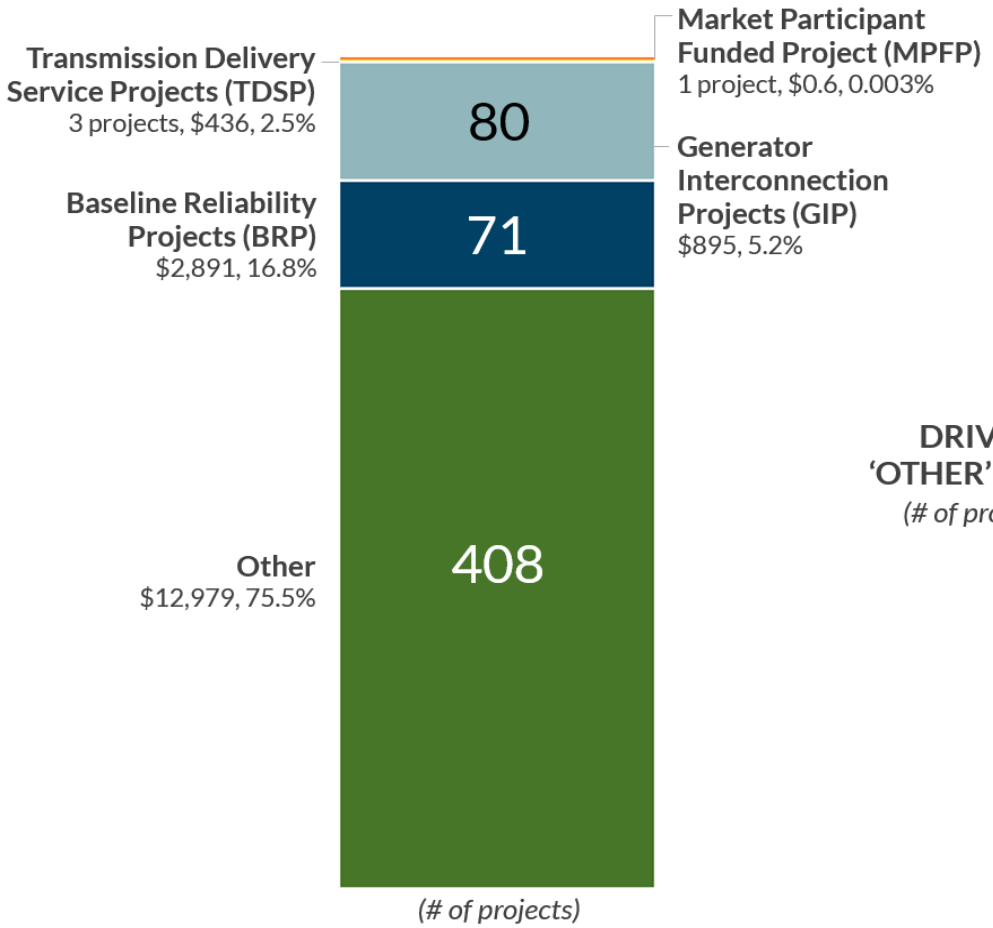
# MTEP26 Overview



# MTEP26 Appendix A consists of 562 projects that are being recommended for Board approval in December

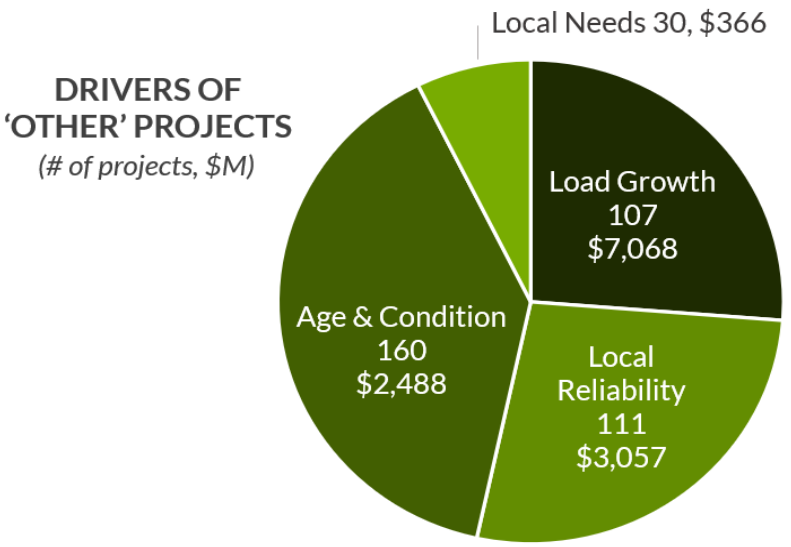
## MTEP26 Appendix A Project Portfolio Summary

*(Data as of August 19, 2026; # of projects, $M, % of total investment dollars)*

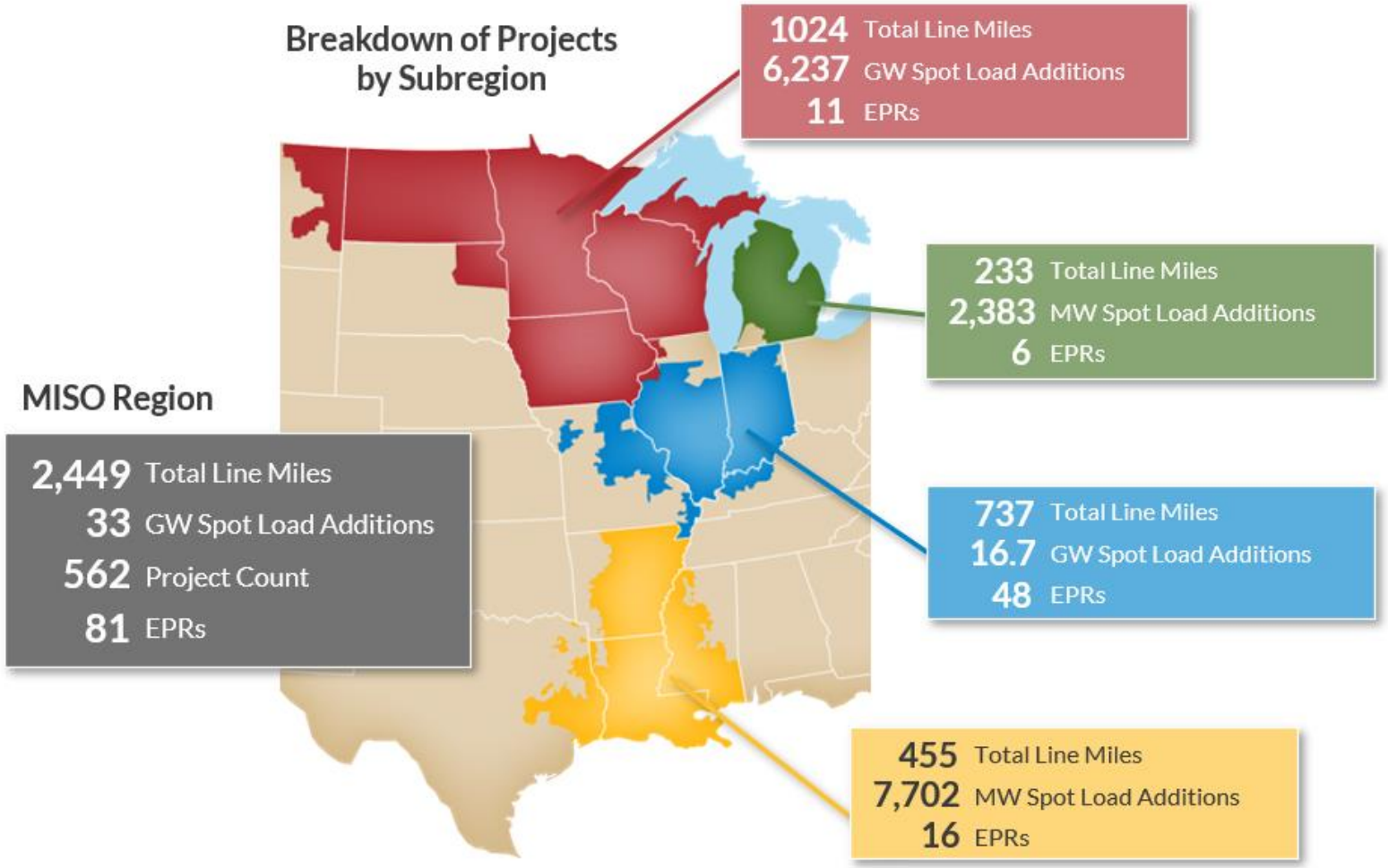



**562**
Total Projects

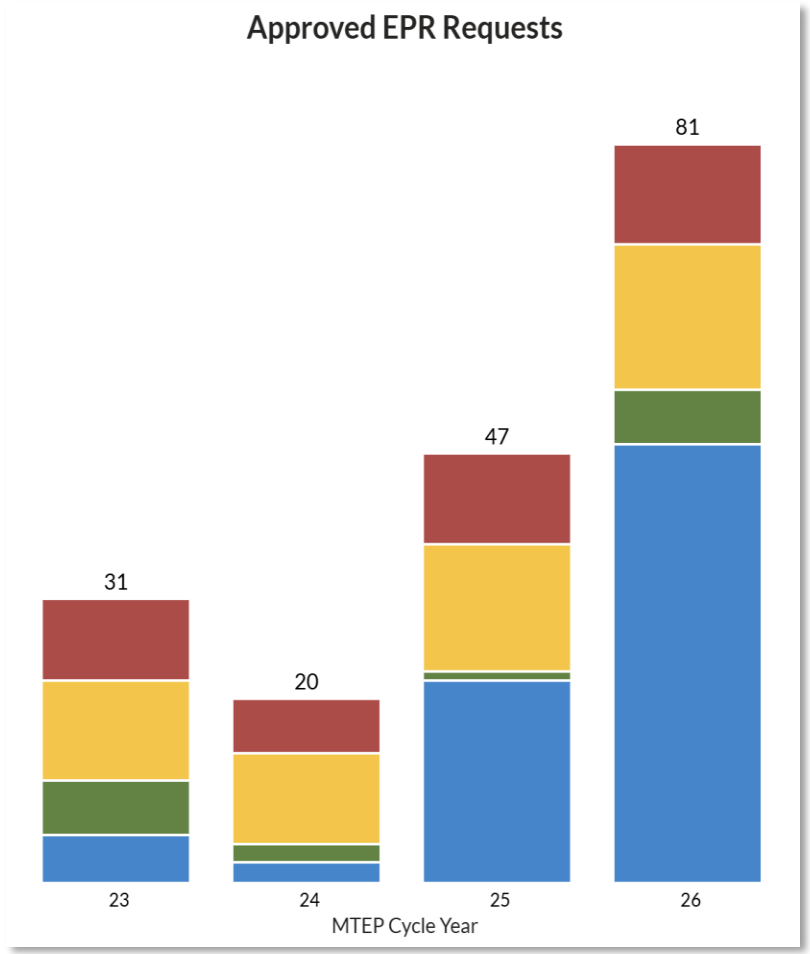
**$17,202**
Total Investment ($M)

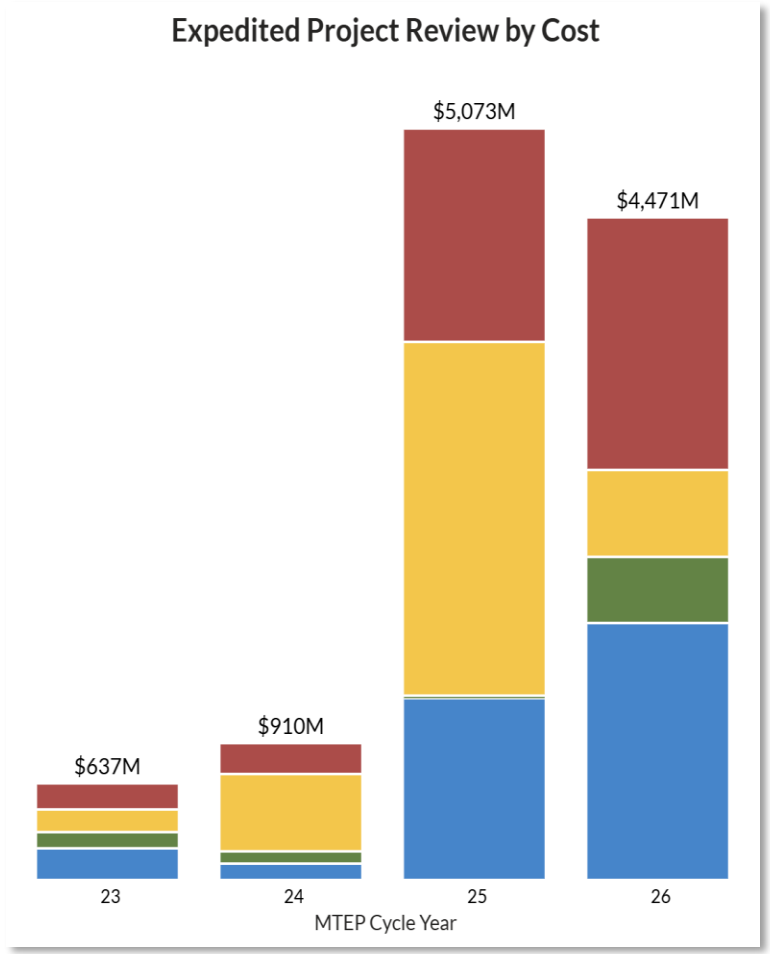


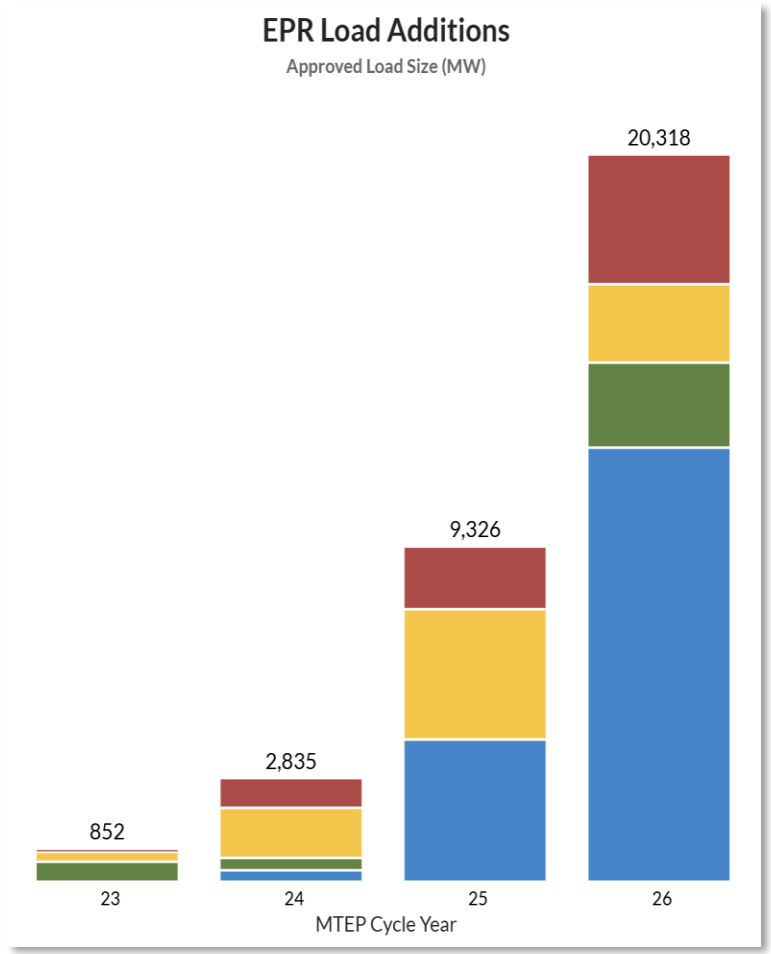
# MTEP26 Appendix A consists of 562 projects that are being recommended for Board approval in December



# Expedited Project Review (EPR) requests continue an upward trend and are driven by load growth



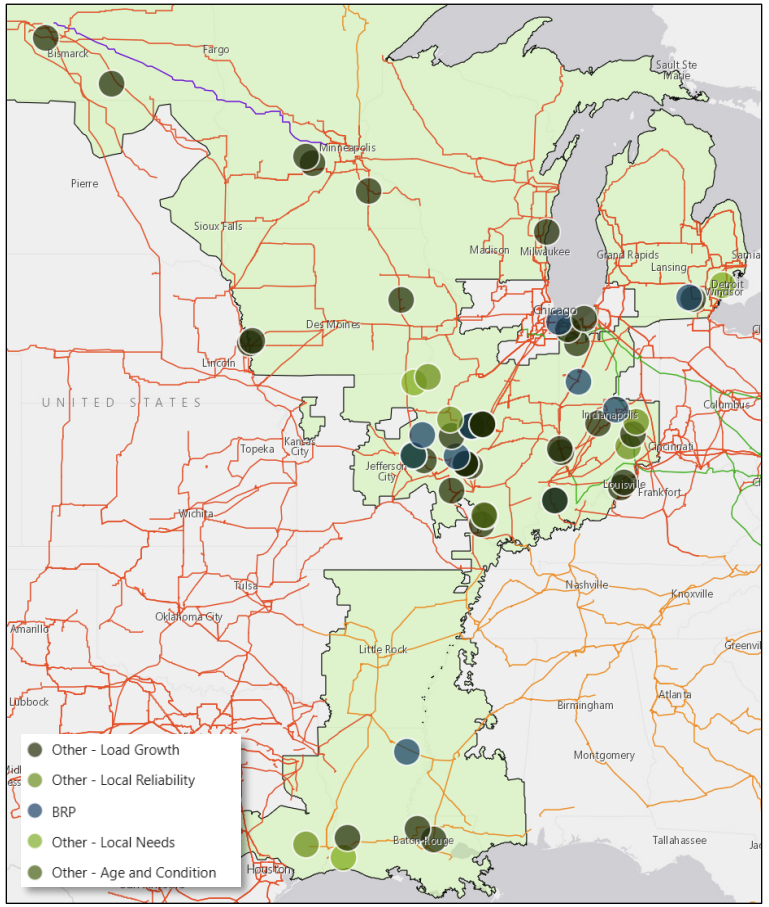




West East Central South

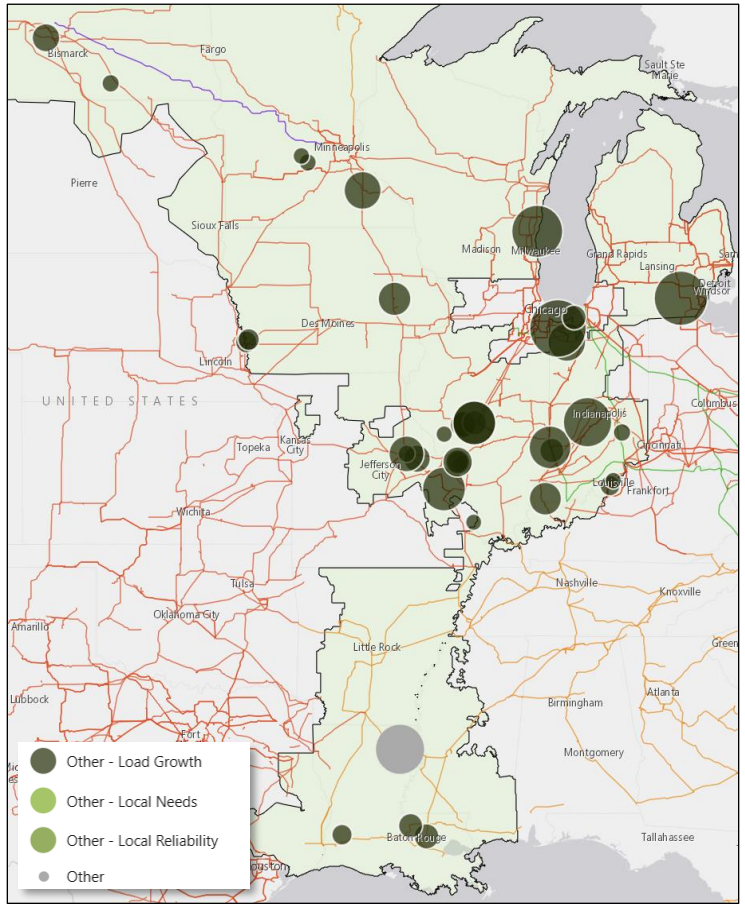
Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

# Expedited Project Reviews requests span the entire MISO footprint

## MTEP26 EPR Locations




## MTEP26 EPR Spot Load Locations

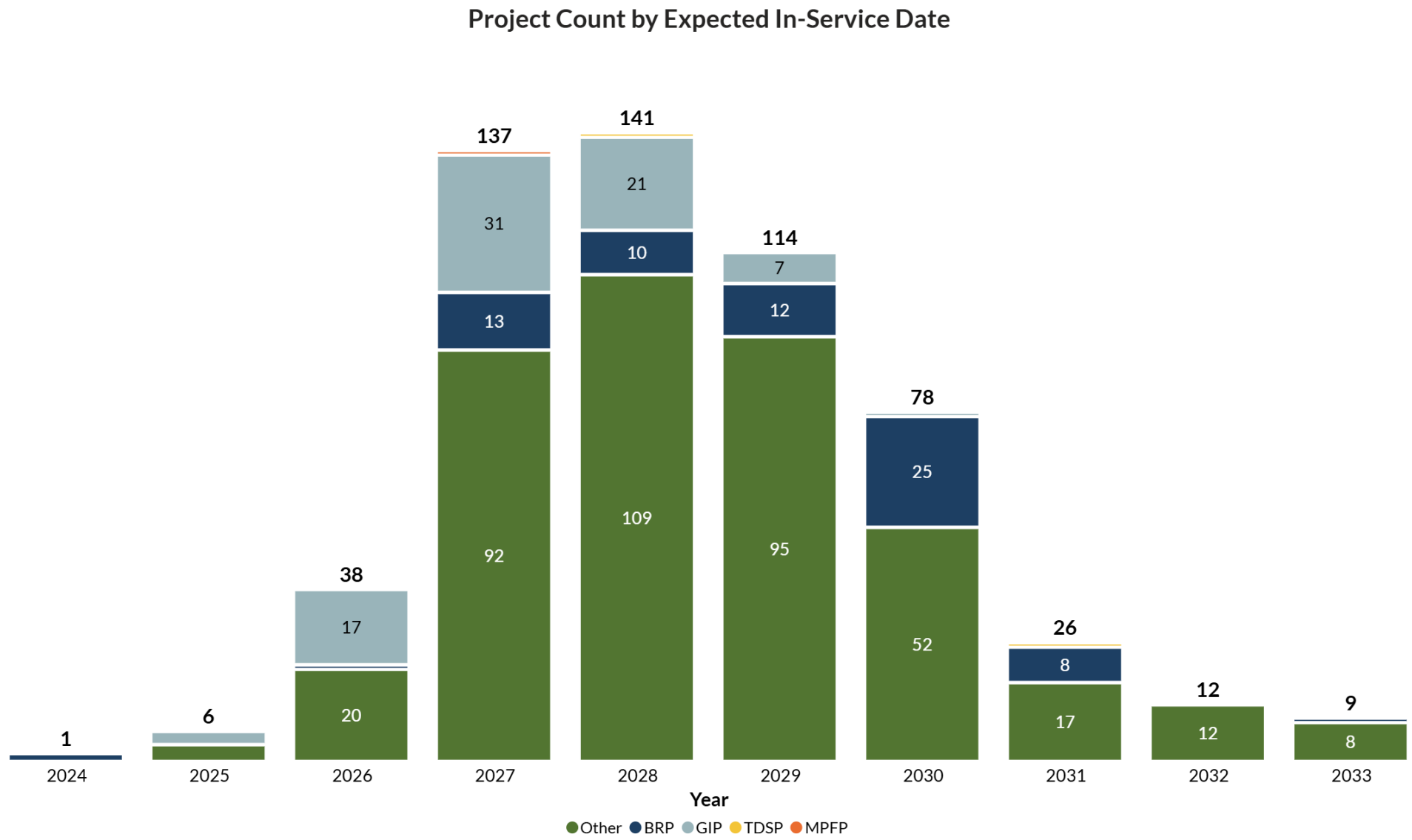



*Scaled by Load Size*

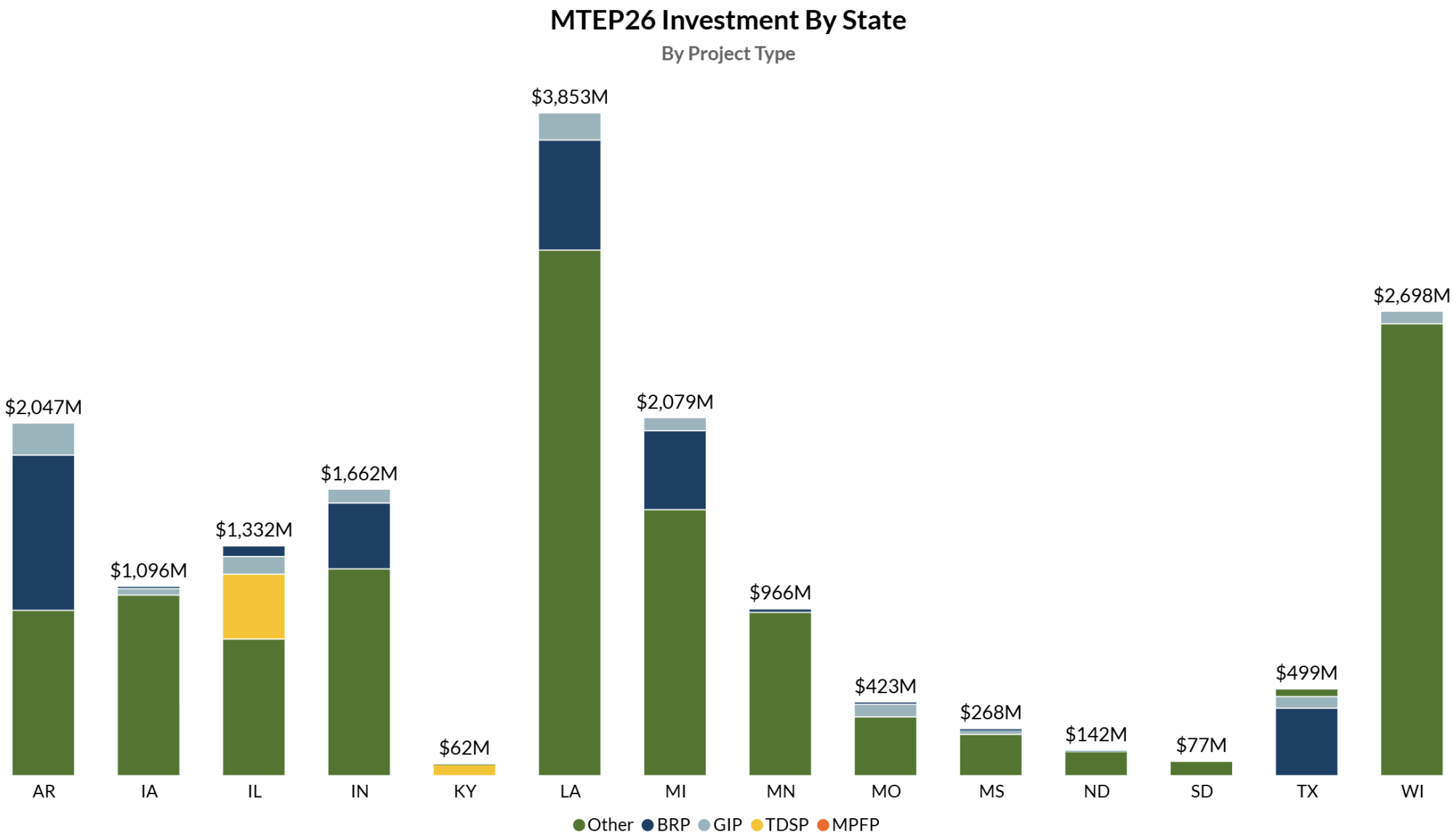
| Upcoming MTEP27 EPR Schedule | |
|---|---|
| **TSTF Meetings** | **Cycle Start Dates** |
| August 4, 20206 | August 3, 2026 |
| September 8, 2026 | |
| October 6, 2026 | October 1, 2026 |
| November 3, 2026 | |
| December 1, 2026 | December 1, 2026 |

Note: These reflect only approved EPRs as of the August 2026 EPR TSTF meeting; there are additional EPRs still working through the process

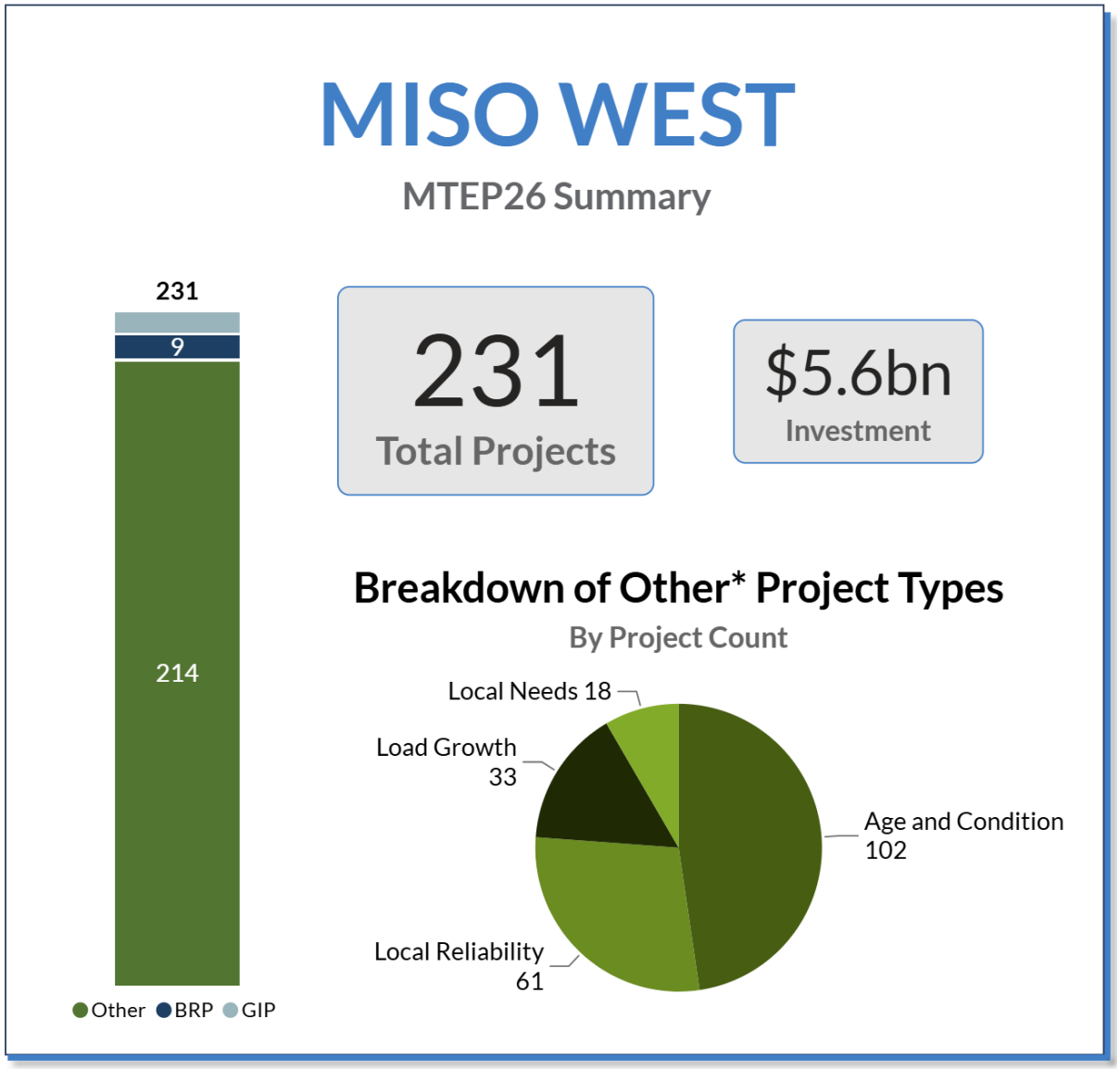
# MISO Region: Summary of MTEP26 Appendix A Projects



# MISO Region: Summary of MTEP26 Appendix A Projects



# West: Summary of submitted MTEP26 Projects




## Insights

- About a third of project investment in the West region is from EPR projects with large loads associated with them
- Another third of investment is concentrated in 69 to 115 kV local rebuild projects.
- Majority of projects on the EHV system in the West region are located in Wisconsin and Iowa

MTEP26 proposed Appendix A & Appendix B projects can be viewed in greater detail on the TO Dashboard within the MTEP Portal.
Project information as of 8/19/26. *Other = Projects based on local needs, including reliability, economics, equipment age and condition, environmental, etc.

# Important Reminder and Next Steps

## Things to keep in mind as all MISO Planners present individual TO presentations

- Present projects submitted for MTEP26 approval and describe any proposed alternatives
- MISO identified N-1-1 reliability issues and is developing corrective action plans with collaboratively with TOs
- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 2026. To view all MTEP project details, please visit the MTEP Portal.
- Today's recommended project information will be used in the MTEP26 Report

## Next Steps

### MISO

- Continue independent reliability assessment to identify solutions for issues seen in the paired contingency runs
- Finalize the MTEP26 Report
- Recommend MTEP26 projects for Board of Directors approval

### Stakeholders

- Provide inputs on identified issues from the paired contingency runs
- Provide input on the MTEP26 Report (Publish date is scheduled for Sep. 28, stakeholder feedback window is Sep. 28 – Oct. 12)

# Questions?



# Contact: PlanningCoordinator@misoenergy.org

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



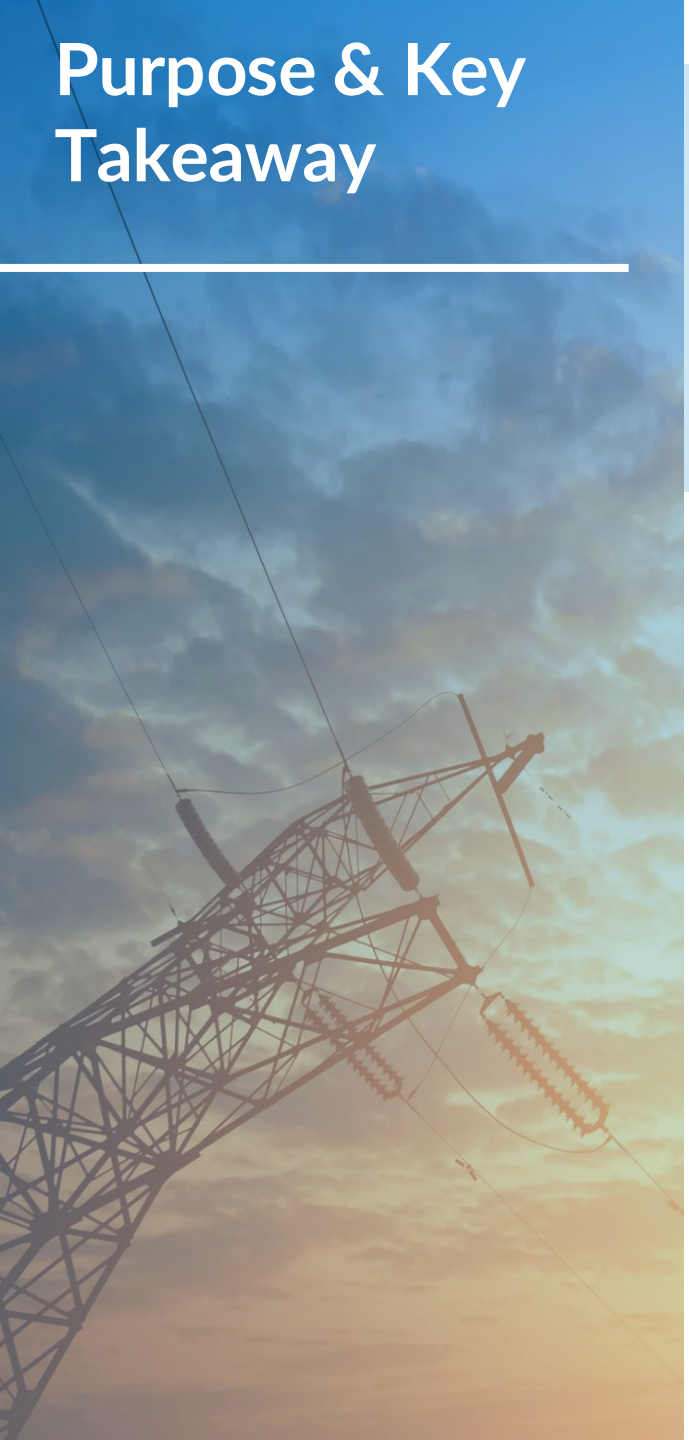

# MTEP26 Project Information

## American Transmission Company (ATC); Dairyland Power Cooperative (DPC); Northwestern Wisconsin Electric Co. (NWEC); Rochester Public Utilities (RPU)

West Subregional Planning Meeting (WSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

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

- American Transmission Company (ATC): 79 submitted projects at an estimated cost of $3051 million
- Dairyland Power Cooperative (DPC): 9 submitted projects at an estimated cost of $101 million
- Northwestern Wisconsin Electric Co.(NWEC): did not submit projects for consideration in MTEP26
- Rochester Public Utilities (RPU) did not submit projects for consideration in MTEP26

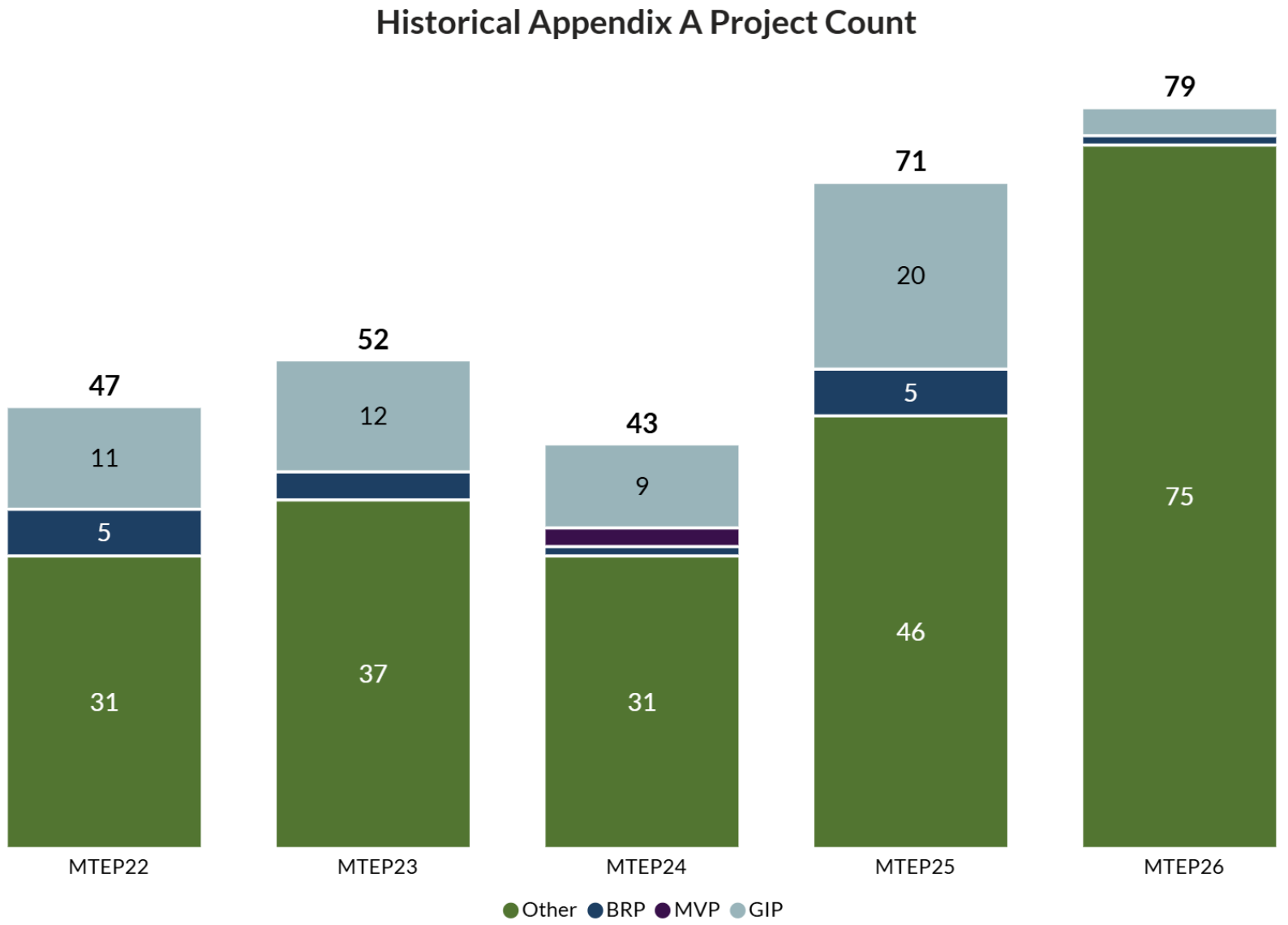
# American Transmission Company (ATC)



# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50661 | Fitchburg SS Control Building, Relay, Breaker and Remote Ends Asset Renewal | Other – Age and Condition | Project cost increased from $12.8M to $21.5M |
| 50668 | Forsyth SS Breaker and Relay Asset Renewal | Other – Age and Condition | Project cost increased from $3.4M to $5M |
| 51316 | Brick Church - Zenda Tap 69 kV (Y-51 ALE), Partial Rebuild | Other – Local Reliability | Project ISD changed from 6/1/2029 to 6/1/2030 |
| 51414 | Enbridge Cambridge SS, DIC, New Substation | Other – Load Growth | Project added to MTEP26 |

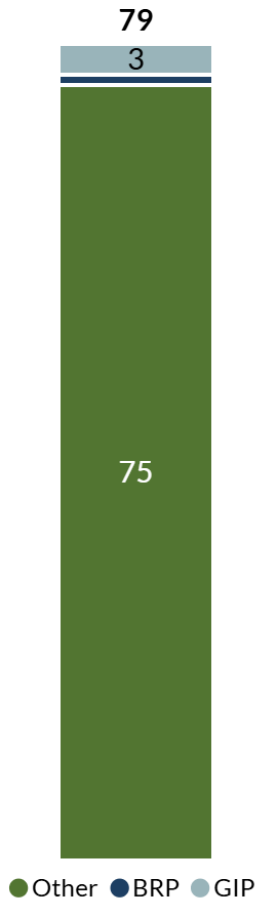
# ATC Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# AMERICAN TRANSMISSION COMPANY

## MTEP26 Projects

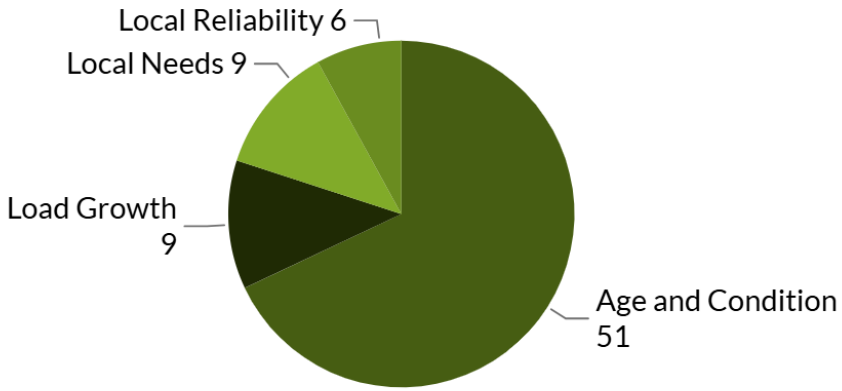



**79**
Total Projects

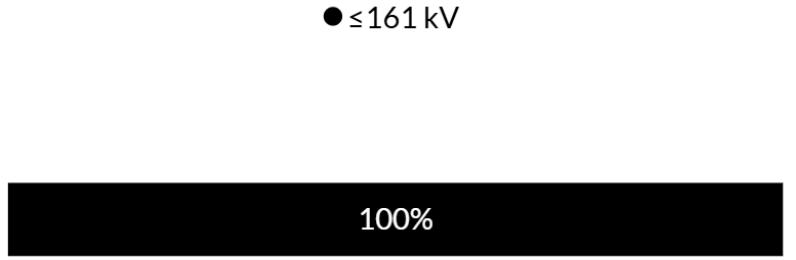
**$3,051M**
Investment

### Breakdown of Other Project Types

By Project Count

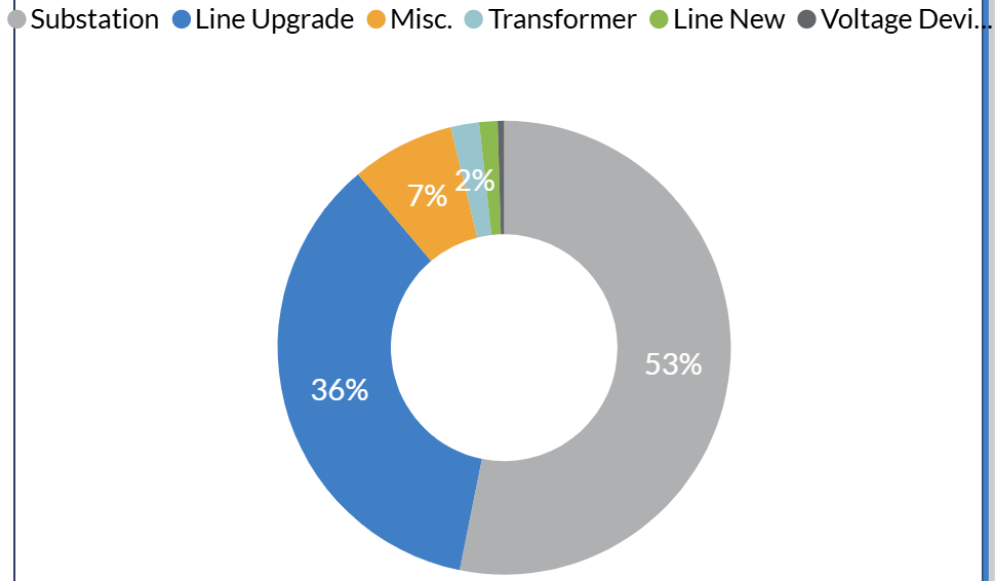



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost



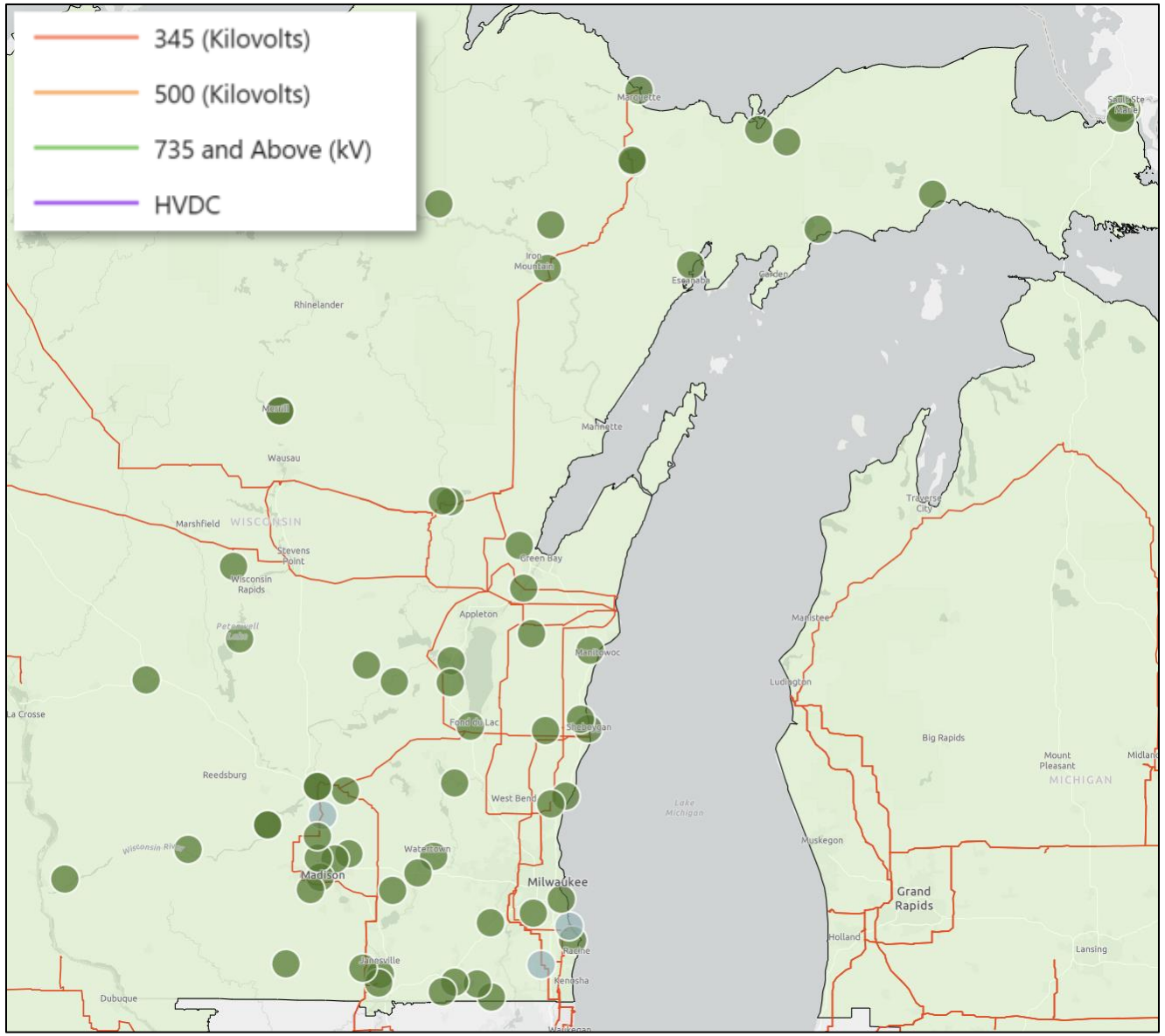

Project information as of 8/19/26.

# ATC MTEP26 Project Type Breakdown

## AMERICAN TRANSMISSION COMPANY

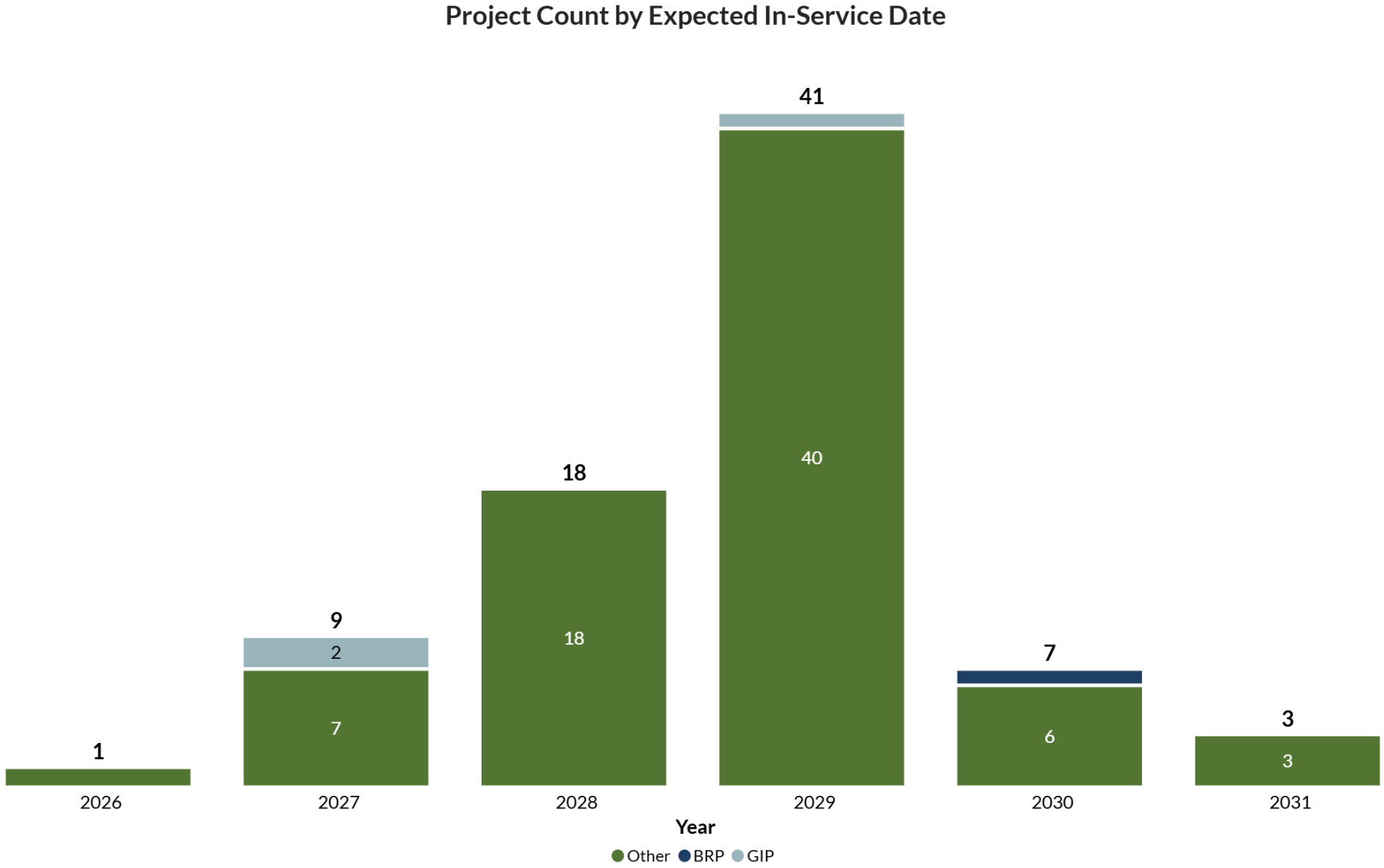
MTEP26 Summary

| | |
|---|---|
| GIP | 3 |
| BRP | 1 |
| Other | 75 |



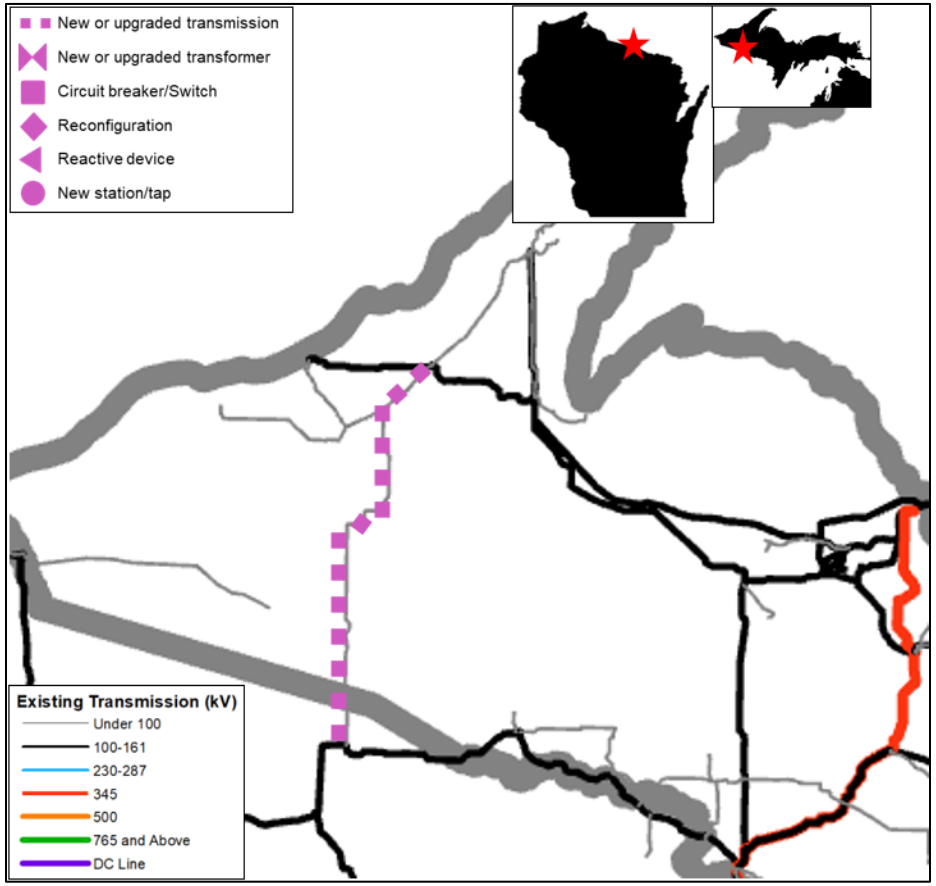

Project information as of 8/19/26.

# ATC MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Baseline Reliability Project
# Details for Western UP Reliability Project




| MTEP Project ID | 50770 |
|---|---|
| Project Name | Western UP Reliability Project |
| Project Type | BRP |
| Project Description | Rebuild the Conover – Mass 69 kV line (6530) and Mass – Winona 69 kV line (Mass) to double circuit 138/69 kV from Lakota Rd to Winona due to reliability. |
| Current Cost | $235.9 M |
| Expected ISD | 12/01/2030 |
| Target Appendix | A |

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 16496 | 9 Mile SW STA – Pine River 69kV (6921/23) Line Rebuild | Age and Condition | 08/01/2028 | $85.2 M |
| 23841 | Pine – Skanawan Tap – Eastom 115kV (I-9), OPGW Addition & Partial Rebuild | Local Needs | 05/31/2031 | $55.0 M |
| 24981 | Presque Isle SS Breaker and Relay Asset Renewal | Age and Condition | 02/01/2028 | $17.3 M |
| 25001 | North Monroe - Verona 69 kV (Y-42/Y-208), Rebuild & OPGW | Age and Condition | 07/03/2028 | $49.0 M |
| 25002 | North Lake Geneva - Walworth 69 kV (Y-41), Partial Rebuild & OPGW | Age and Condition | 12/31/2028 | $23.3 M |
| 25004 | South Lake Geneva - North Lake Geneva 69 kV (Y-152), Partial Rebuild & OPGW | Age and Condition | 08/01/2027 | $11.0 M |
| 25019 | Gran Grae - Hillside 69 kV (Y-161), Rebuild & OPGW | Age and Condition | 07/01/2027 | $16.0 M |
| 25020 | Lost Dauphin - Oak St 69 kV (E-31), Partial Rebuild | Age and Condition | 02/01/2029 | $11.4 M |
| 50122 | Columbia SS Power Transformer Asset Renewal | Age and Condition | 12/01/2028 | $12.3 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 |
|---|---|---|---|---|
| 50131 | Dam Heights - Kirkwood 69 kV (Y-75), Partial Rebuild | Age and Condition | 11/30/2028 | $25.7 M |
| 50132 | Riverside (ALTE) - Erdman 69 kV (Y-82/X-64/X-37), Partial Rebuild & OPGW | Age and Condition | 03/30/2028 | $29.0 M |
| 50133 | Zenda - Katzenberg 69 kV (Y-51 ALE), Partial Rebuild | Age and Condition | 05/30/2028 | $22.3 M |
| 50179 | Small Capital Project and Asset Renewal Program 2027 | Age and Condition | 12/31/2029 | $81.0 M |
| 50180 | Communications Reliability Program 2027 | Local Needs | 06/30/2029 | $0.5 M |
| 50181 | Line Clearance Mitigation Program 2027 | Local Reliability | 06/30/2029 | $5.1 M |
| 50182 | Load Interconnection Program 2027 | Load Growth | 06/30/2029 | $13.9 M |
| 50509 | Racine - St. Rita 138 kV (8531), Rebuild | Age and Condition | 06/01/2030 | $28.9 M |
| 50537 | Dam Heights – Sauk City Oak St 69 kV (Y-14), Partial Rebuild & OPGW | Age and Condition | 06/01/2029 | $14.0 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 |
|---|---|---|---|---|
| 50620 | Portage Street Breaker and SCADA Asset Renewal | Age and Condition | 12/01/2029 | $4.5 M |
| 50627 | Columbia - Portage 69 kV (Y-99), Partial Rebuild | Age and Condition | 12/01/2029 | $15.5 M |
| 50634 | Aviation - North Fond Du Lac 138 kV (G-111), Partial Rebuild | Age and Condition | 12/01/2029 | $35.0 M |
| 50635 | Concord SS Breaker and Relay Asset Renewal | Age and Condition | 12/01/2029 | $3.9 M |
| 50638 | I-61/Q-43 69 kV Partial Rebuilds & OPGW | Local Needs | 12/31/2030 | $17.0 M |
| 50639 | Sun Prairie - Highway 151, Fiber Installation | Local Needs | 12/31/2029 | $4.0 M |
| 50640 | Old Mead Road to Masonville, Underground Fiber Installation | Local Needs | 12/31/2029 | $9.0 M |
| 50641 | Iron Grove to Lincoln Ave (UPPCO) 69 kV (CRFY21), OPGW Installation | Local Needs | 12/31/2029 | $5.0 M |
| 50645 | Erdman - Edgewater 69 kV (Y-31), Partial Rebuild | Age and Condition | 12/01/2029 | $6.5 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 |
|---|---|---|---|---|
| 50648 | 3 Mile - 9 Mile 69 kV (ESE_6903/ESE_6902/ESE_6901), Rebuild and Reconfigure | Age and Condition | 12/30/2029 | $36.0 M |
| 50649 | East Campus - Blount 69 kV (6906), Replace Underground Cable | Age and Condition | 12/01/2029 | $18.1 M |
| 50650 | Berlin - Ripon 69 kV (Y-93), Partial Rebuild | Age and Condition | 01/01/2029 | $5.5 M |
| 50652 | Glenview - Lost Dauphin 69 kV (F-6), Partial Rebuild | Age and Condition | 09/01/2029 | $29.0 M |
| 50653 | North Mullet River - Sheboygan Falls 69 kV (Y-50), Rebuild | Age and Condition | 06/01/2029 | $27.1 M |
| 50654 | Maplewood - Badger 138 kV (W-75), Rebuild | Age and Condition | 06/01/2029 | $55.0 M |
| 50657 | Hiawatha SS Control Building, Relays and Breaker Ends Asset Renewal | Age and Condition | 12/01/2029 | $11.0 M |
| 50658 | Lone Rock SS Phase Shifter, Breaker, and Relay Asset Renewals | Age and Condition | 12/01/2029 | $10.4 M |
| 50659 | North Madison 69kV SS Power Transformer and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $30.7 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.

# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50660 | Nordic SS Power Transformer Asset Renewal | Age and Condition | 12/01/2029 | $8.2 M |
| 50661 | Fitchburg SS Control Building, Relay, Breaker and Remote Ends Asset Renewal | Age and Condition | 12/01/2029 | $21.5 M |
| 50662 | Plains SS Relay, Instrument Transformers and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $8.0 M |
| 50663 | Mayville SS Control Building, Relays and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $5.6 M |
| 50664 | Rio Pumping Station SS Control Building, Relay and Breaker Asset Renewal | Age and Condition | 12/01/2029 | $5.4 M |
| 50665 | Huiskamp SS Control Building and Relay Asset Renewal | Age and Condition | 12/01/2029 | $5.0 M |
| 50666 | Sigel SS Control Building and Relay Asset Renewal | Age and Condition | 12/01/2029 | $4.8 M |
| 50668 | Forsyth SS Breaker and Relay Asset Renewal | Age and Condition | 12/01/2029 | $5.0 M |
| 50669 | Manitowoc Area SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $6.4 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 |
|---|---|---|---|---|
| 50672 | St Martins - Oak Creek 138kV, reconfigure facilities to form new network line | Local Reliability | 12/29/2028 | $5.6 M |
| 50676 | Indian Lake SS Switch, Relay and Remote Ends Asset Renewal | Age and Condition | 12/01/2029 | $3.3 M |
| 50677 | Shingleton - Seney (UPPCO) 69 kV (Inland), Rebuild | Age and Condition | 12/01/2030 | $110.0 M |
| 50681 | Kansas (Norwich Term) - Harbor 138 kV (KANG41), Replace Underground Cable | Age and Condition | 12/01/2031 | $56.0 M |
| 50682 | Mukwonago - University 138 kV (UNIG52), Rebuild | Age and Condition | 06/01/2031 | $87.0 M |
| 50684 | ESE_6903 East Riser - ESE_6903 West Riser 69 kV (ESE_6903), Replace Underground Cable | Age and Condition | 12/31/2030 | $5.7 M |
| 50692 | Badger West 69kV 20ohm Series Reactor | Local Reliability | 05/31/2027 | $5.0 M |
| 50712 | Gwinn - Munising 69 kV (Autrain), Partial Rebuild | Age and Condition | 06/01/2028 | $18.4 M |
| 50714 | Morris St SS, DIC, Substation Rebuild | Load Growth | 12/28/2028 | $9.9 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 |
|---|---|---|---|---|
| 50716 | Woodview Lane SS, DIC, New Substation | Load Growth | 12/01/2028 | $50.8 M |
| 50717 | GoodHue SS, DIC, New Substation | Load Growth | 12/25/2028 | $8.3 M |
| 50745 | Physical Security Program 2026 Asset Renewal | Age and Condition | 12/01/2026 | $5.6 M |
| 50767 | Magazine – Portage St., New 69 kV Line | Local Needs | 02/01/2029 | $21.9 M |
| **51057** | **Ozaukee County, DIC, New Substations** | **Load Growth** | **12/01/2027** | **$1300.0 M** |
| 51099 | Physical Security Program 2027 ISD Asset Renewal | Age and Condition | 12/01/2027 | $6.2 M |
| 51100 | Physical Security Program 2028 ISD Asset Renewal | Age and Condition | 12/01/2028 | $4.6 M |
| 51112 | Townline Rd - Rock River 138 kV, Construct New Line | Local Reliability | 06/01/2028 | $12.5 M |
| 51115 | TPL-001-5.1 SPFs Phase 2, Address Remaining 13c and 13d | Local Reliability | 07/01/2029 | $10.5 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 |
|---|---|---|---|---|
| 51163 | Innovation Park SS, DIC, New Substation | Load Growth | 12/01/2028 | $15.9 M |
| 51188 | Council Creek SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $6.0 M |
| 51189 | Munising SS AR Asset Renewal | Age and Condition | 12/01/2029 | $4.7 M |
| 51204 | Arrester Asset Renewal Program 2029 | Age and Condition | 12/01/2029 | $8.1 M |
| 51206 | Y-95 Sectionalizing Project | Local Needs | 11/01/2030 | $20.0 M |
| 51217 | East Shawano SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $4.1 M |
| 51218 | West Shawano SS Relay Asset Renewal | Age and Condition | 12/01/2029 | $4.1 M |
| 51251 | 138 kV Mobile Capacitor Banks | Local Needs | 06/30/2027 | $9.0 M |
| 51252 | Badger Pumping SS, DIC, Retire Substation | Load Growth | 10/01/2027 | $5.9 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 |
|---|---|---|---|---|
| 51255 | American SS, DIC, Transformer Addition | Load Growth | 04/29/2028 | $5.0 M |
| 51316 | Brick Church - Zenda Tap 69 kV (Y-51 ALE), Partial Rebuild | Local Reliability | 06/01/2030 | $29.8 M |
| 51414 | Enbridge Cambridge SS, DIC, New Substation | Load Growth | 12/31/2028 | $13.7 M |

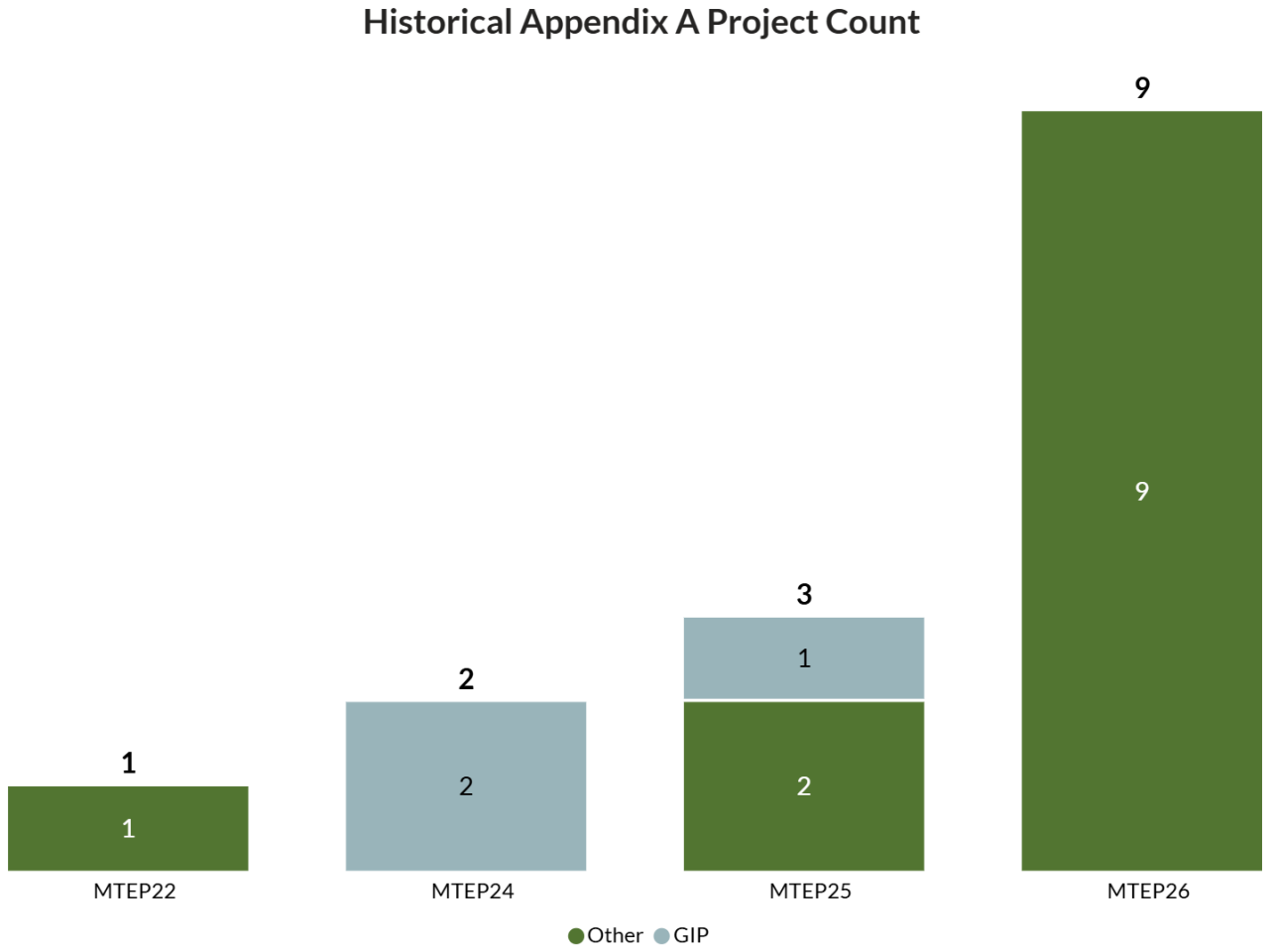
**Bold** MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
**Bold and Underlined** MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50726 | R1053 Oak Creek/Elm Road SS, Interconnection Facilities and Network Upgrades | 03/31/2027 | $2.7 M |
| 51144 | E0012 SS Network Upgrades and Interconnection Facilities | 12/31/2029 | $70.5 M |
| 51305 | S1096 North Arlington SS Network Upgrades | 12/31/2027 | $0.2 M |

# Dairyland Power Cooperative (DPC)

# DAIRYLAND POWER COOPERATIVE DPC Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# DAIRYLAND POWER COOPERATIVE DPC

## MTEP26 Projects

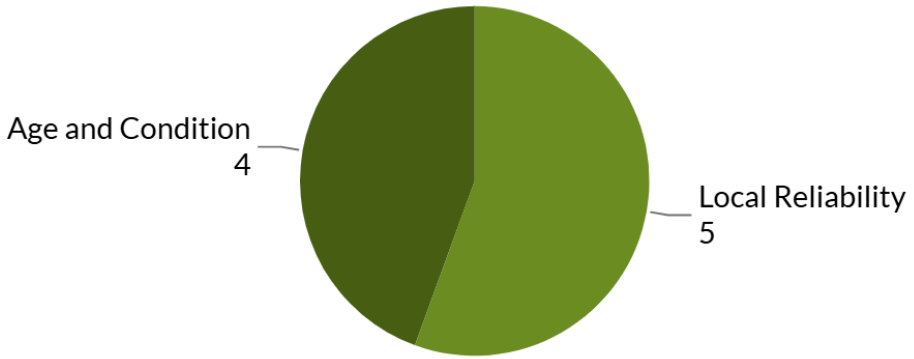



**9**
Total Projects

**$101M**
Investment

### Breakdown of Other Project Types

By Project Count

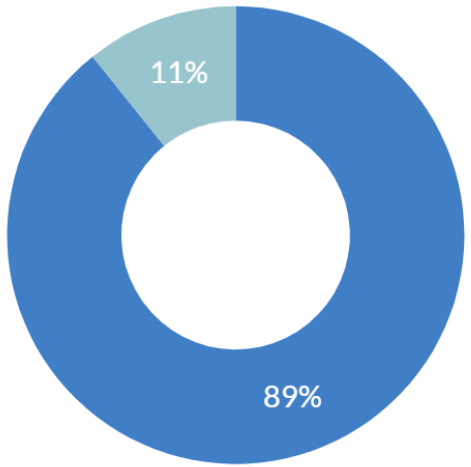



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost



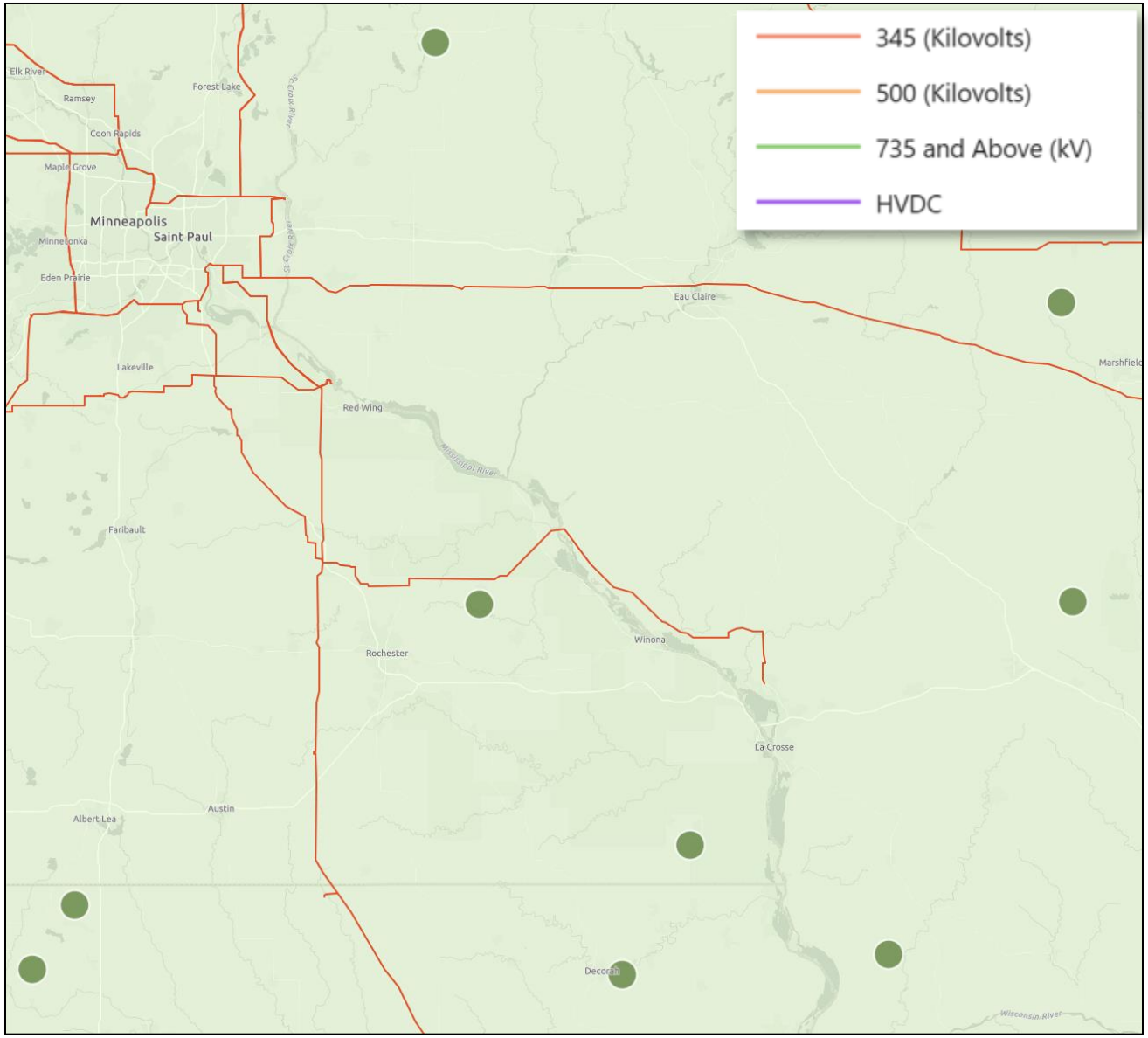

Project information as of 8/19/26.

# DAIRYLAND POWER COOPERATIVE DPC MTEP26 Project Type Breakdown

## DAIRYLAND POWER COOPERATIVE DPC

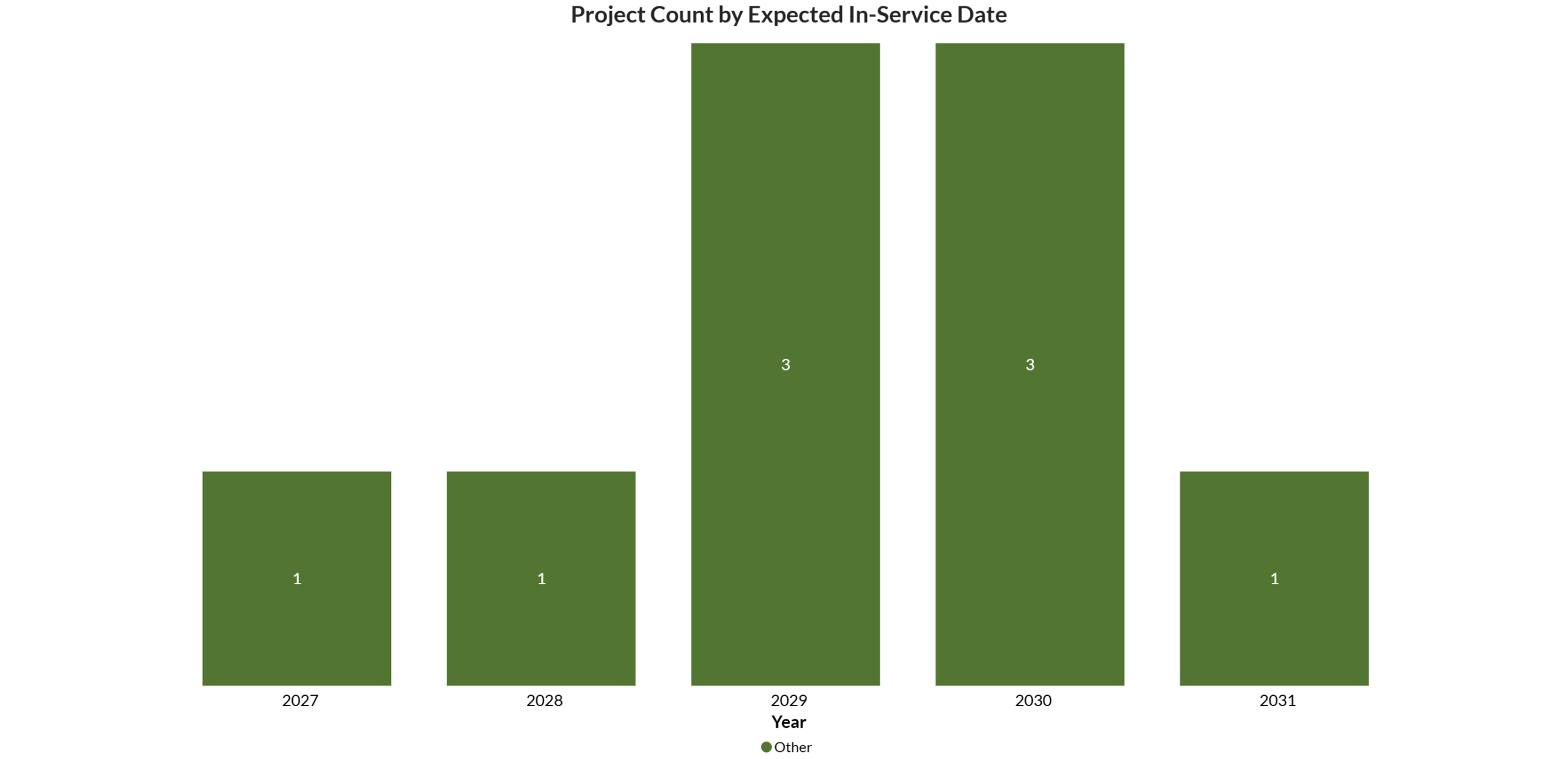
MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | |
| Other | 9 |




Project information as of 8/19/26.

# DAIRYLAND POWER COOPERATIVE DPC MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50983 | Caledonia Area 69 kV Rebuild | Age and Condition | 07/24/2031 | $1.9 M |
| 50999 | Leland to Forest City N43 69 kV Rebuild | Age and Condition | 09/03/2030 | $4.4 M |
| 51003 | Leland to Twin Lakes N40 69 kV Rebuild | Age and Condition | 11/16/2029 | $17.2 M |
| 51008 | Loyal to T-Corners N45 69 kV Rebuild | Local Reliability | 02/09/2029 | $15.3 M |
| 51009 | Oakdale to Babcock N55 69 kV Rebuild | Local Reliability | 11/15/2030 | $31.1 M |
| 51012 | Decorah to Nordness N8 69 kV Rebuild | Local Reliability | 10/22/2030 | $4.3 M |
| 51013 | Bell Center to Gays Mills 69 kV Rebuild | Age and Condition | 07/20/2027 | $7.3 M |
| 51015 | Apple River Transformers Upgrade | Local Reliability | 10/31/2029 | $10.9 M |
| 51021 | Wabaco to CapX Q34 161 kV Rebuild | Local Reliability | 01/14/2028 | $8.9 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.

# Questions?



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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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# MTEP26 Project Information

## Great River Energy (GRE) ; Missouri River Energy Services – Transmission (MRES) ; Montana-Dakota Utilities Co. (MDU)

West Subregional Planning Meeting (WSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

## 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 $432 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

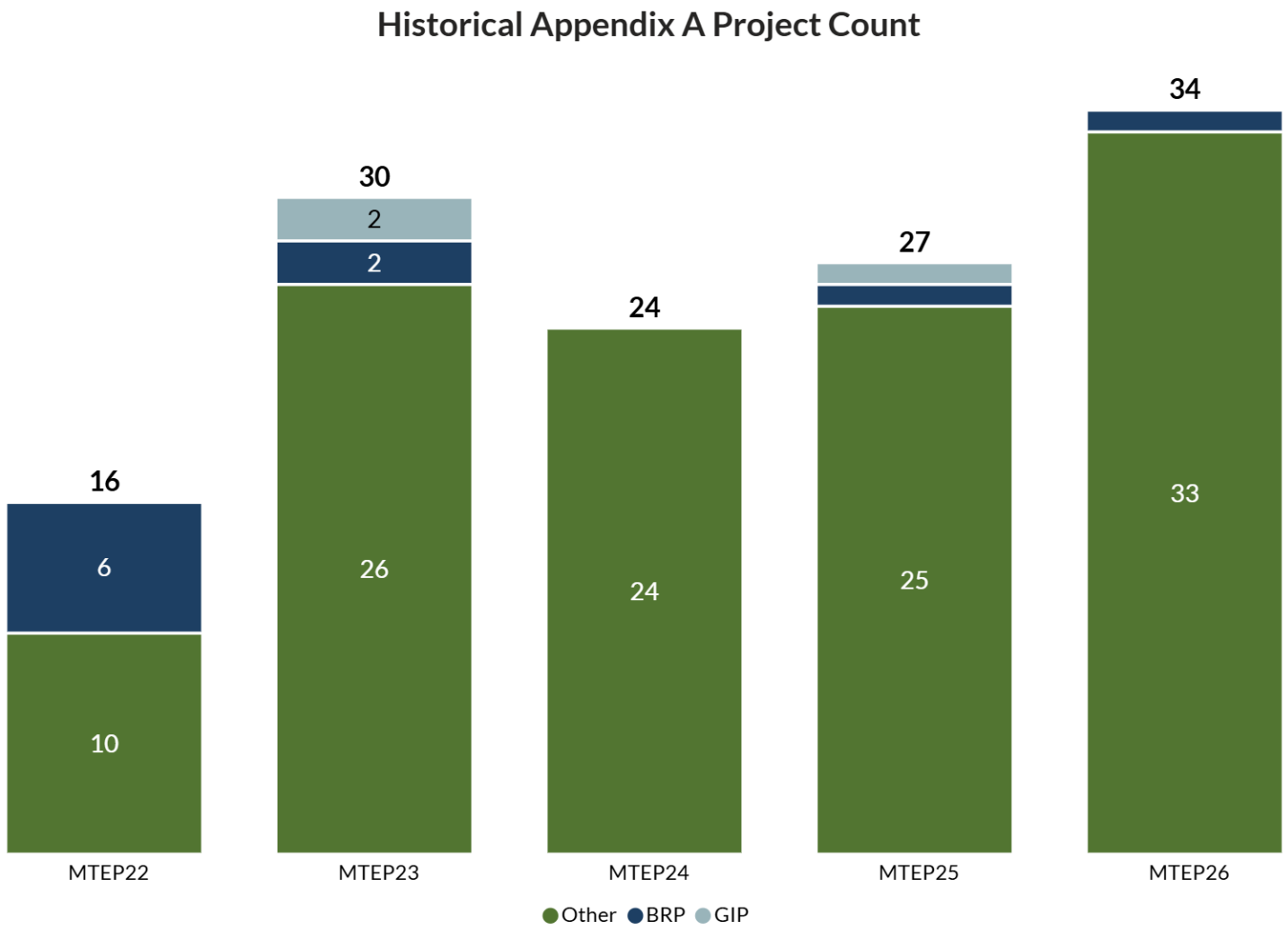
# Great River Energy (GRE)



# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50876 | Boulder Lake 115 kV Project | Other – Load Growth | Project ISD changed from 4/30/2031 to 2/18/2032 |
| 50941 | Foley Sub Area Projects | Other – Local Reliability | Project ISD changed from 11/27/2028 to 9/5/2029 |
| 50952 | Thompson Lake Area Projects | Other – Local Reliability | Project ISD changed from 9/14/2029 to 5/24/2030 |
| 50965 | Kettle River Breaker Station Projects | Other – Age and Condition | Project ISD changed from 9/22/2028 to 5/24/2029 |
| 50971 | Blaine to Hugo Area Project | Other – Age and Condition | Project cost increased from $9.3M to $11.4M |
| 50976 | Hubbard Breaker Addition | Other – Age and Condition | Project cost increased from $4.7M to $6M |
| 50988 | Spicer tap to Willmar line rebuild projects | Other – Age and Condition | Project cost increased from $12.1M to $13.4M |

# GRE Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# GREAT RIVER ENERGY

## MTEP26 Projects

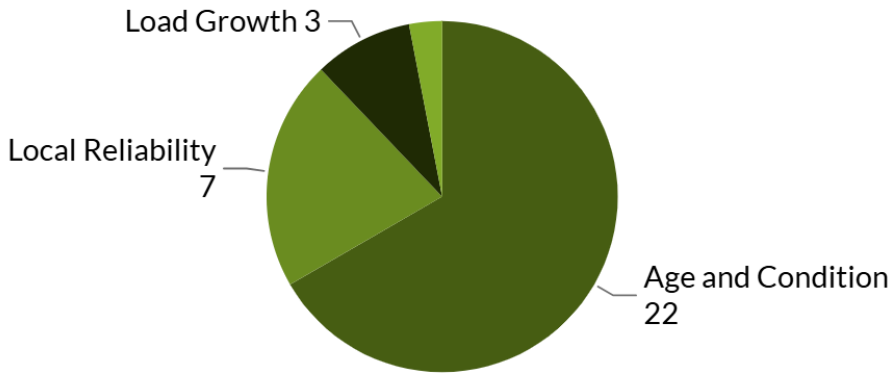



**34**
Total Projects

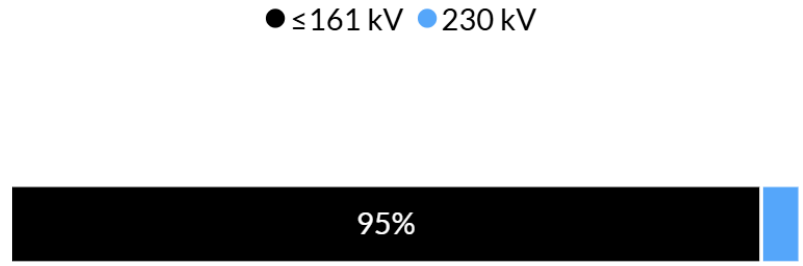
**$432M**
Investment

### Breakdown of Other Project Types

By Project Count

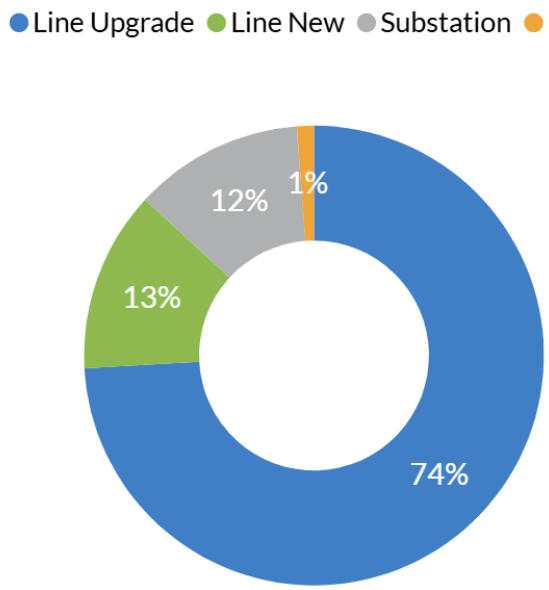



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost



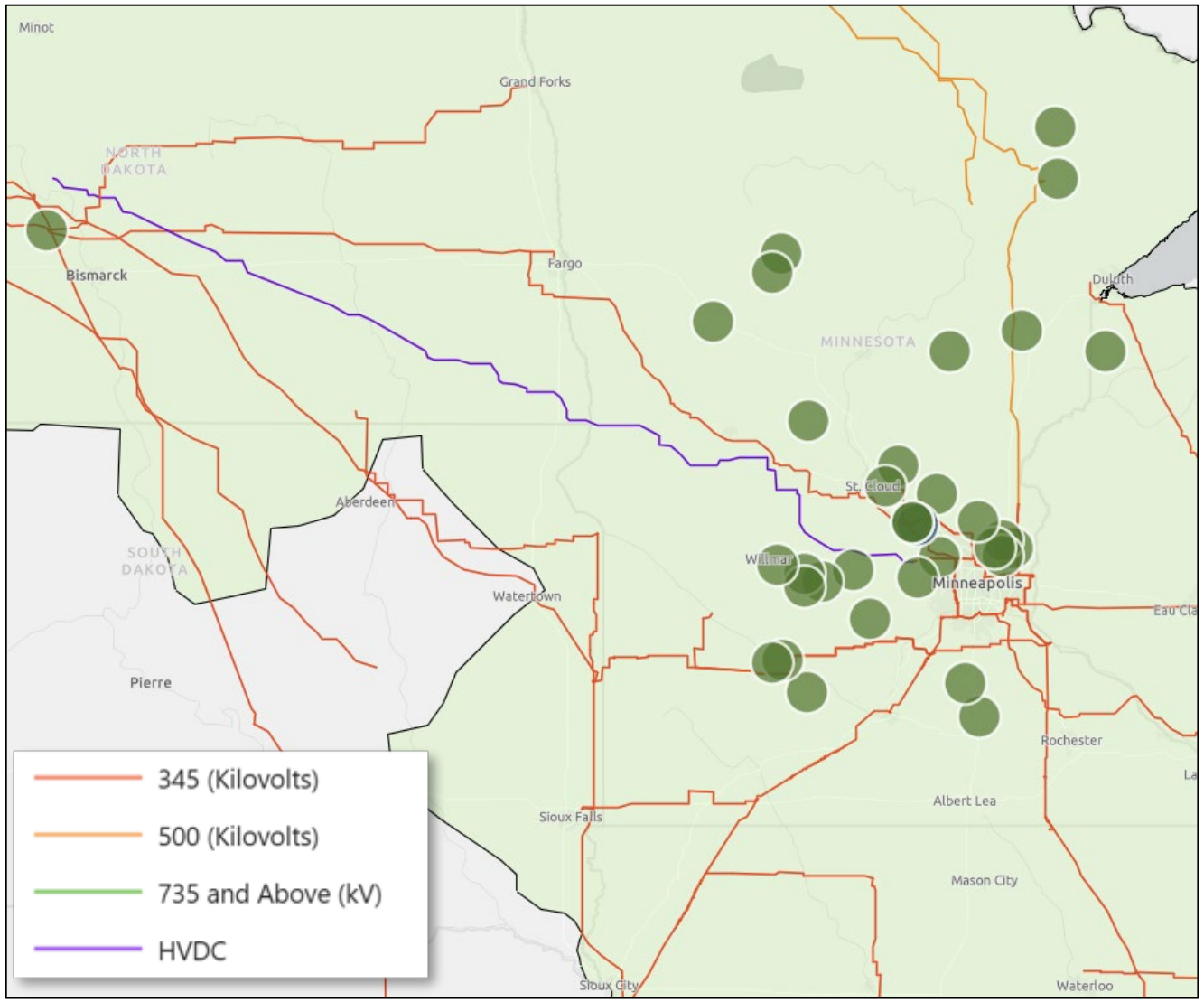

Project information as of 8/19/26.

# GRE MTEP26 Project Type Breakdown

## GREAT RIVER ENERGY

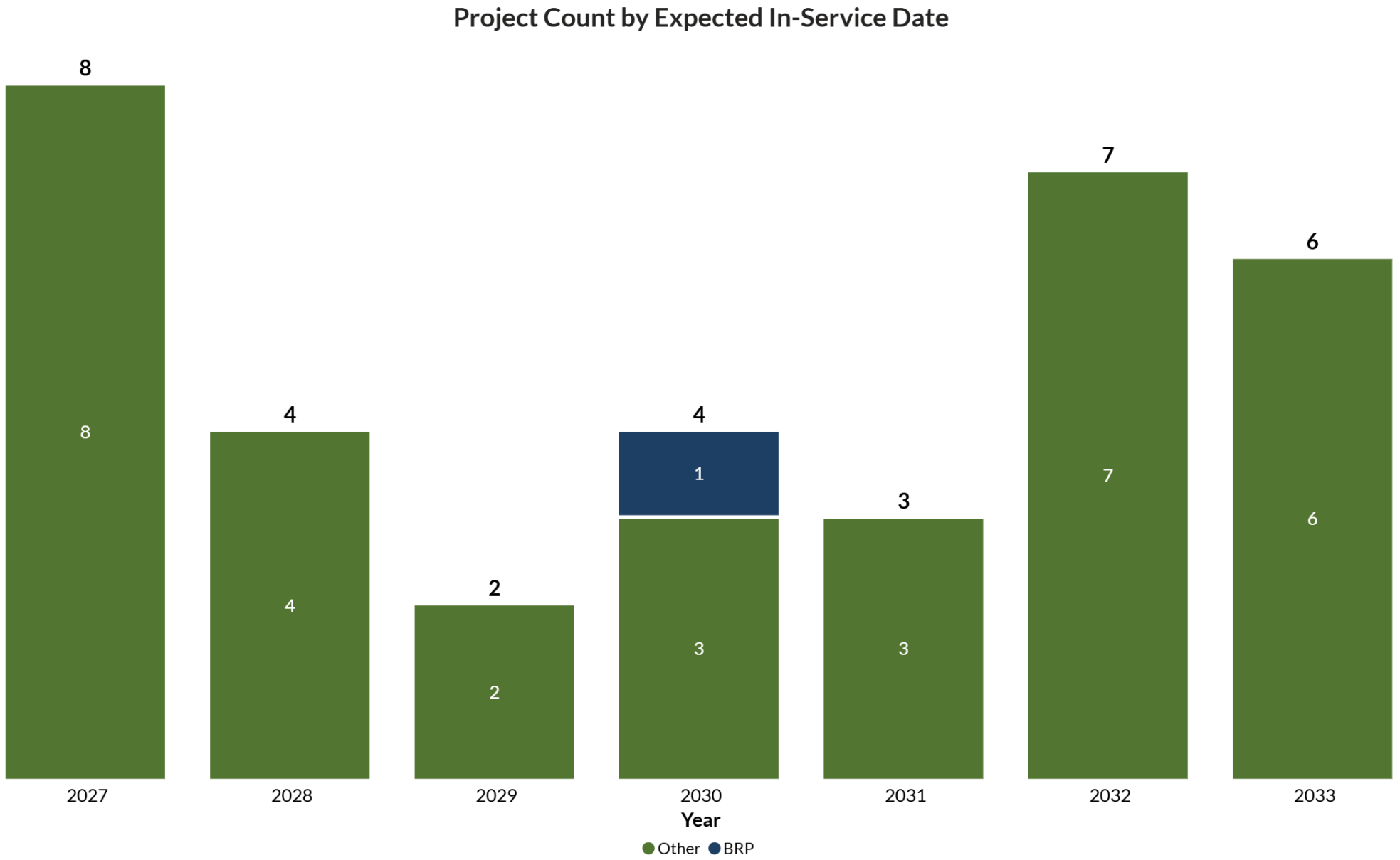
MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 33 |



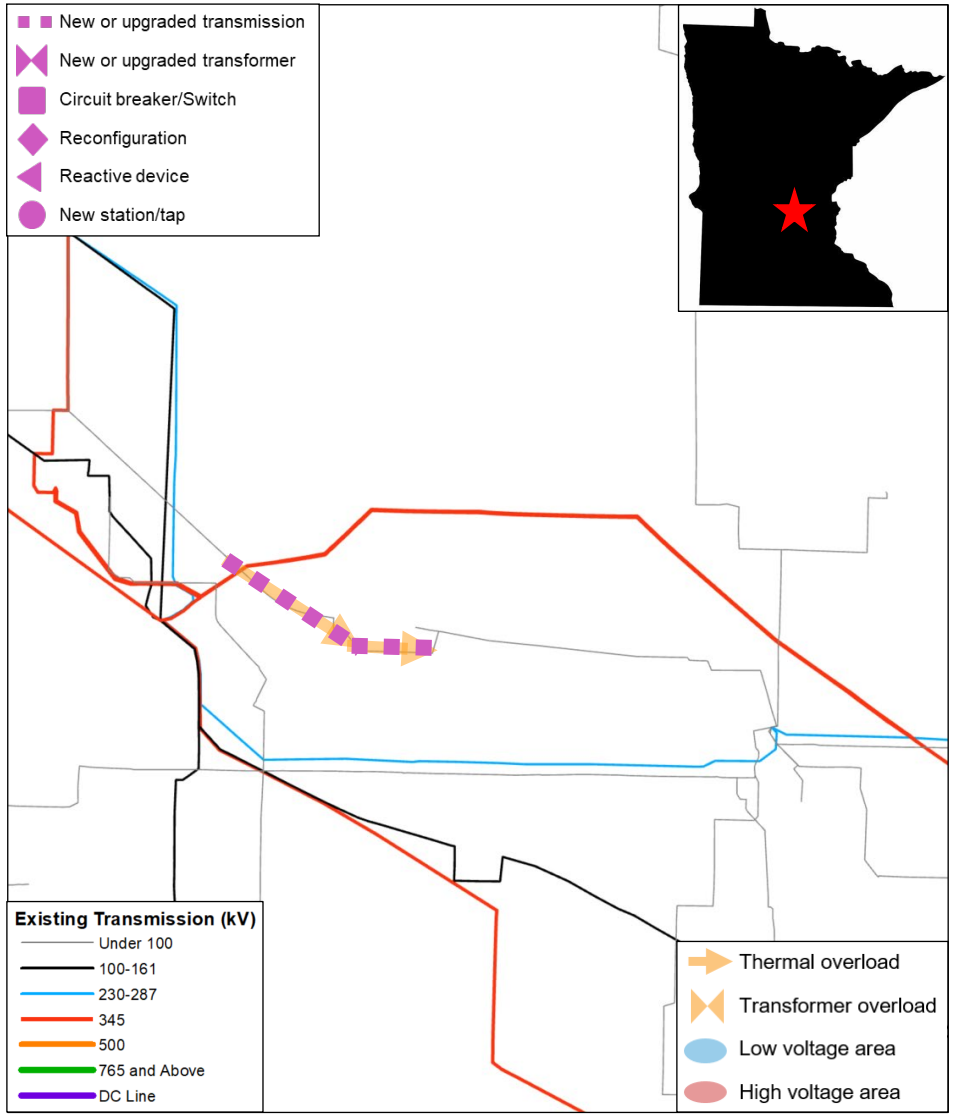

Project information as of 8/19/26.

# GRE MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Baseline Reliability Project
# 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.<br><br>2.) Upgrade 600-amp switches EWS12 and EWS13 to 1200-amp. |
| Current Cost | $5.1 M |
| Expected ISD | 12/31/2030 |
| 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 |
| **50780** | **West Glencoe** | **Load Growth** | **10/31/2027** | **$6.5 M** |
| 50873 | Willmar - Litchfield - Forest City - Hutchinson Rebuild and 115 kV Conversion | Local Reliability | 07/08/2032 | $101.4 M |
| 50875 | Medford Area Projects | Local Reliability | 02/16/2027 | $3.5 M |
| 50876 | Boulder Lake 115 kV Project | Load Growth | 02/18/2032 | $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 | $3.0 M |
| 50933 | Paulson area projects | Load Growth | 12/05/2031 | $0.2 M |
| 50935 | Benton County 230 kV Breaker Replacement | Age and Condition | 08/25/2027 | $2.8 M |
| 50938 | Peary Area Rebuild Projects | Age and Condition | 09/23/2027 | $0.9 M |
| 50941 | Foley Sub Area Projects | Local Reliability | 09/05/2029 | $9.0 M |
| 50952 | Thompson Lake Area Projects | Local Reliability | 05/24/2030 | $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 |

**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 |
|---|---|---|---|---|
| 50960 | Hugo Switch Retirement | Local Reliability | 06/15/2027 | $0.1 M |
| 50965 | Kettle River Breaker Station Projects | Age and Condition | 05/24/2029 | $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 | $11.4 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 | 12/29/2028 | $6.0 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.

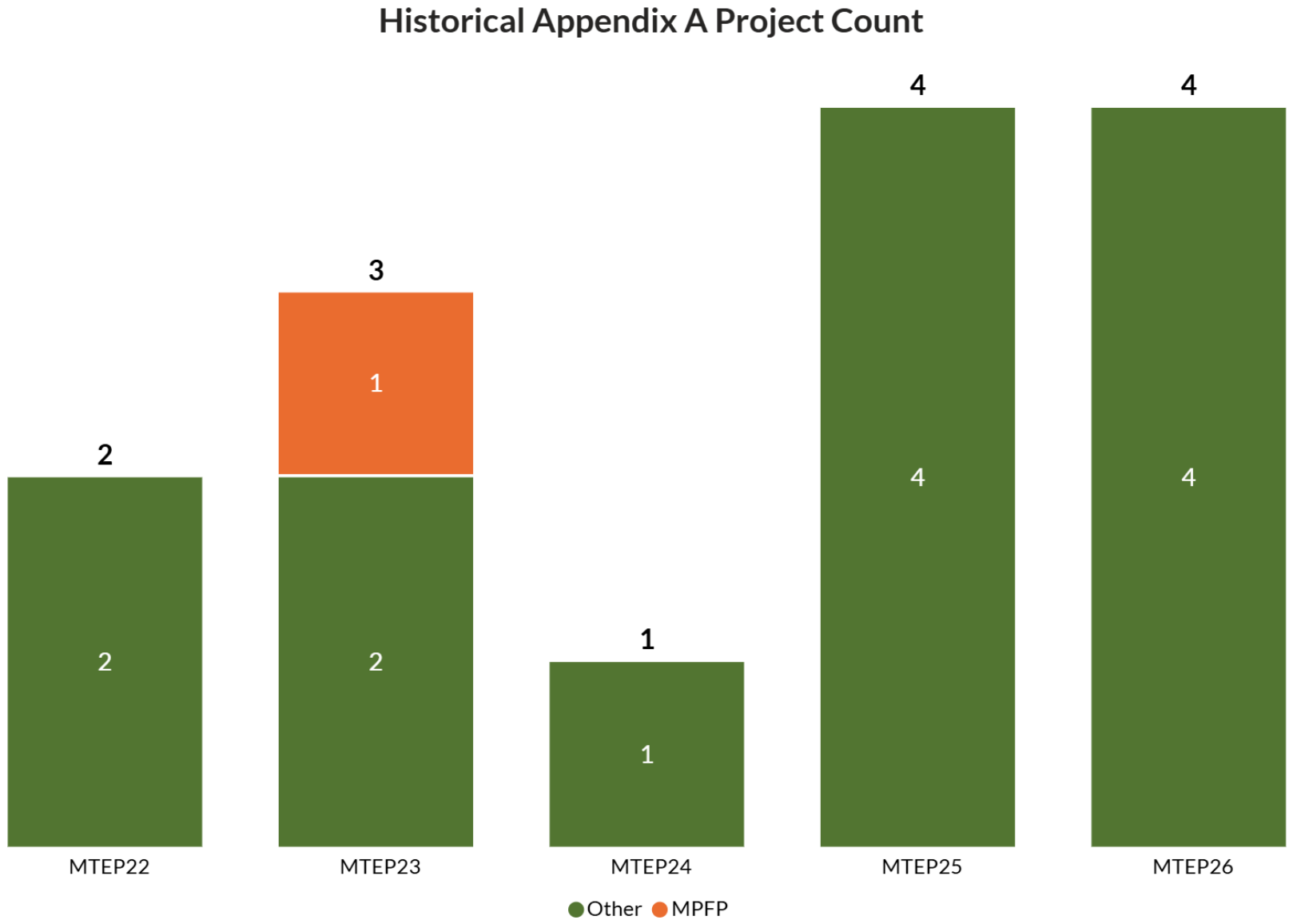
# Other Projects cont.

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 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 | $13.4 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 |

**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.

# Missouri River Energy Services Transmission (MRES)

# MRES Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# MISSOURI RIVER ENERGY SERVICES - TRANSMISSION

## MTEP26 Projects

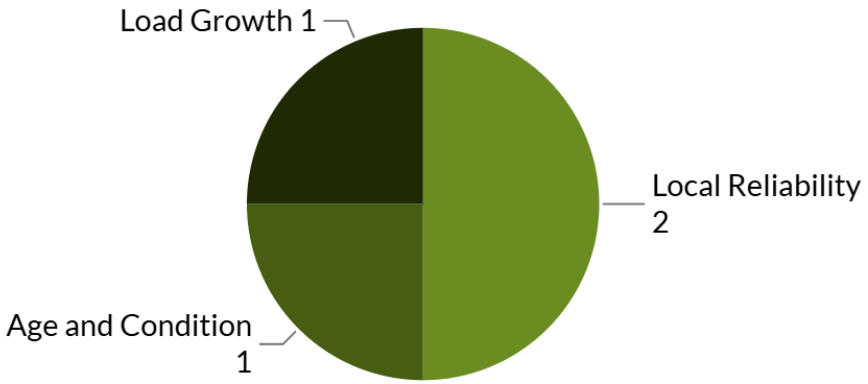



**4**
Total Projects

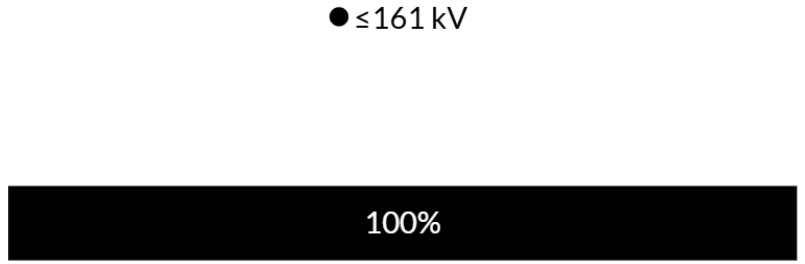
**$15M**
Investment

### Breakdown of Other Project Types

By Project Count

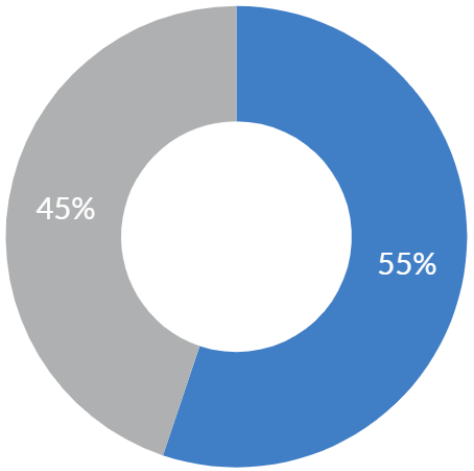



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost



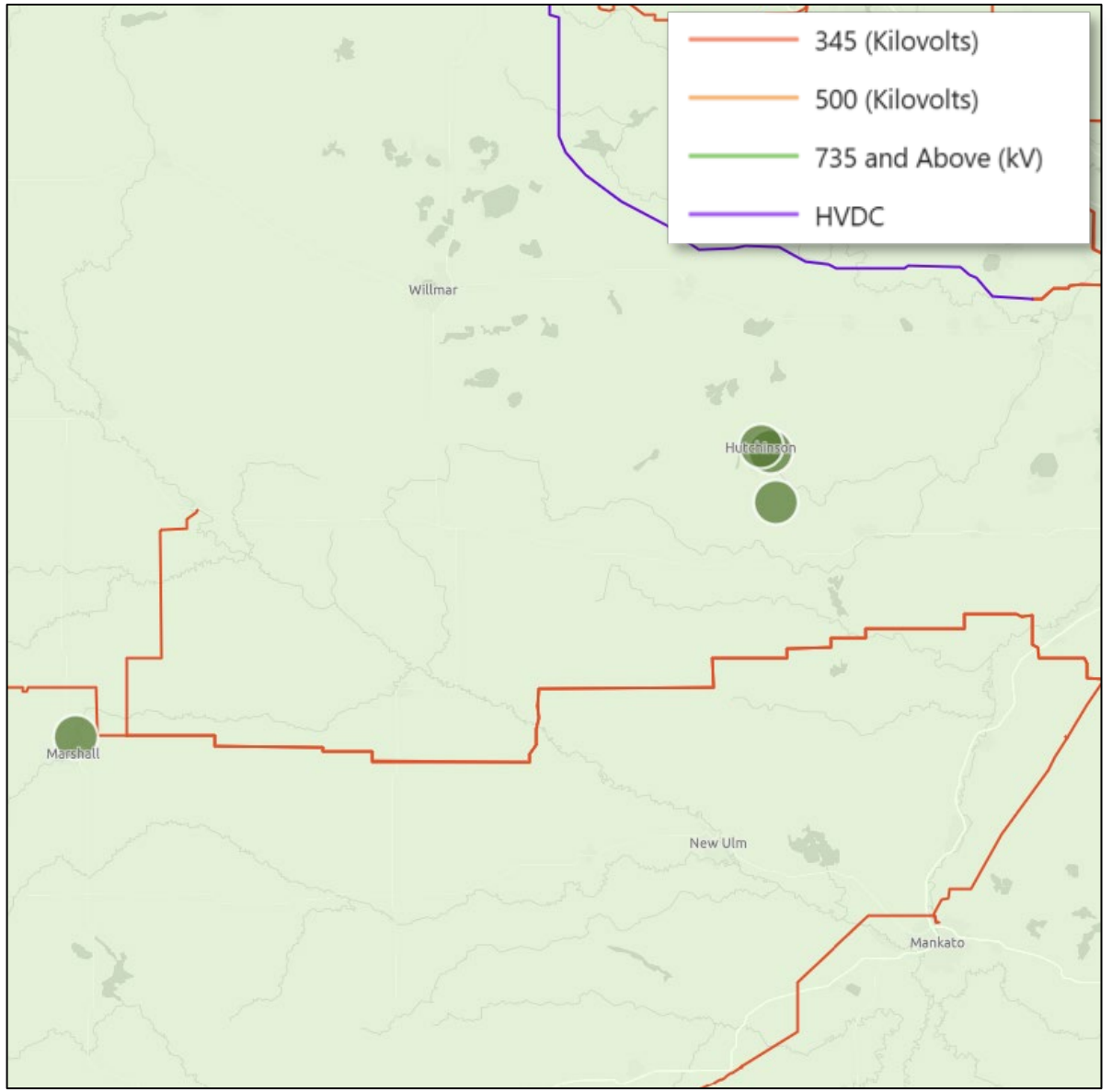

Project information as of 8/19/26.

# MRES MTEP26 Project Type Breakdown

## MISSOURI RIVER ENERGY SERVICES - TRANSMISSION

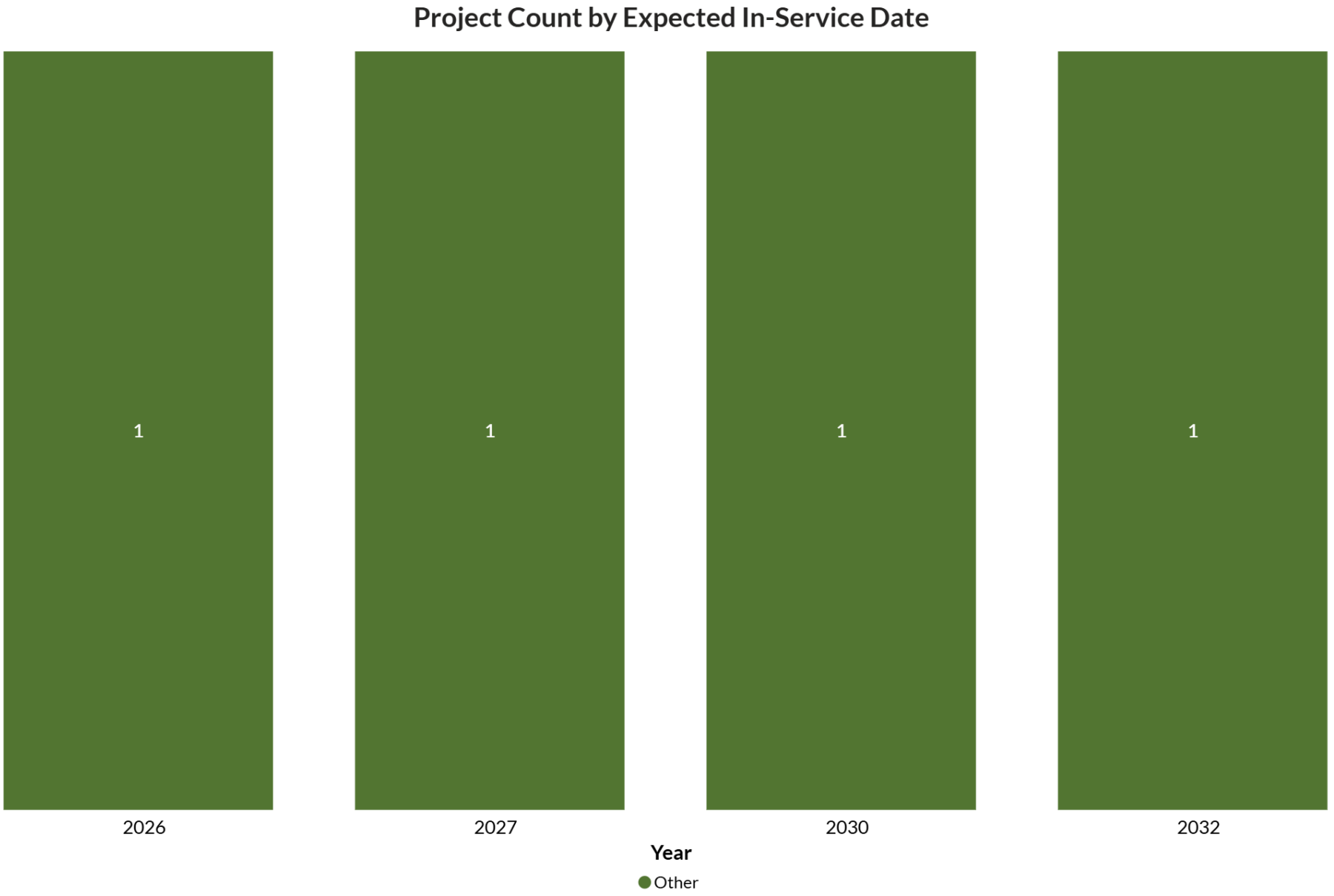
MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | |
| Other | 4 |




Project information as of 8/19/26.

# MRES MTEP26 ISD Breakdown




Project information as of 8/19/26.

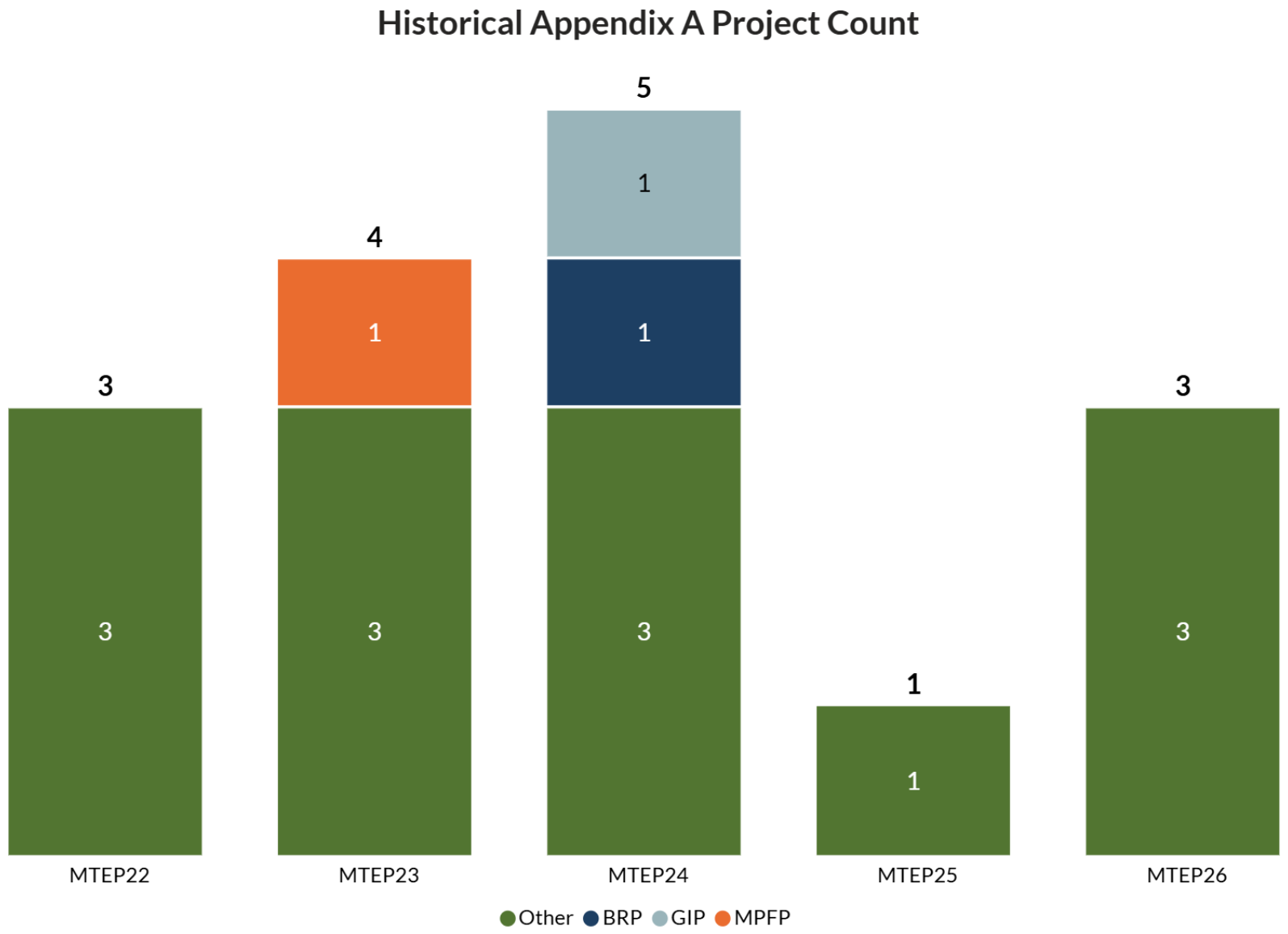
# Other Projects

| 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 |
| **51086** | **New Load on Existing HUC Plant 2 69 kV sub** | **Load Growth** | **11/30/2026** | **$0.0 M** |
| 51094 | Hutchinson Rebuild and 115 kV Conversion | Local Reliability | 07/09/2032 | $8.9 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.

# Montana-Dakota Utilities Co. (MDU)

# MDU Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# MONTANA-DAKOTA UTILITIES CO.MDU

## MTEP26 Projects

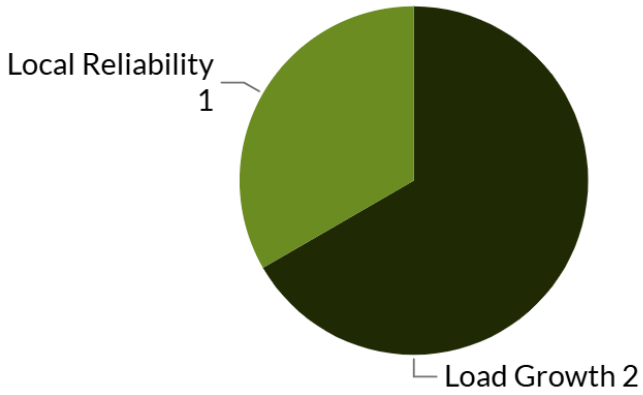



**3**
Total Projects

**$112M**
Investment

### Breakdown of Other Project Types

By Project Count

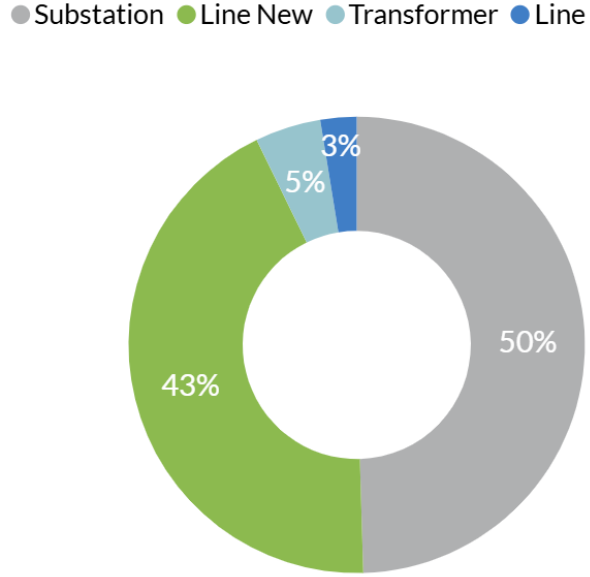



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost



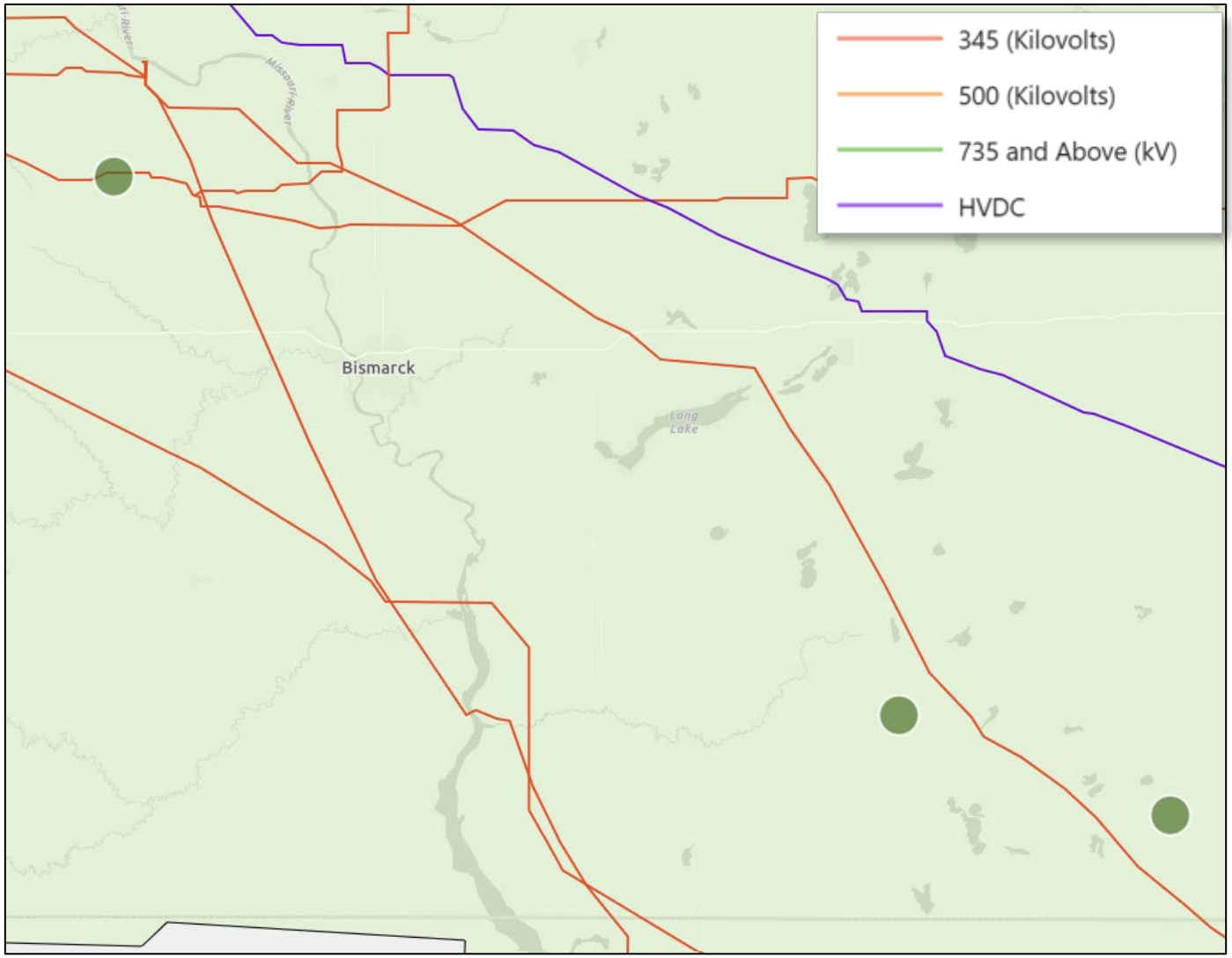

Project information as of 8/19/26.

# MDU MTEP26 Project Type Breakdown

## MONTANA-DAKOTA UTILITIES CO.MDU

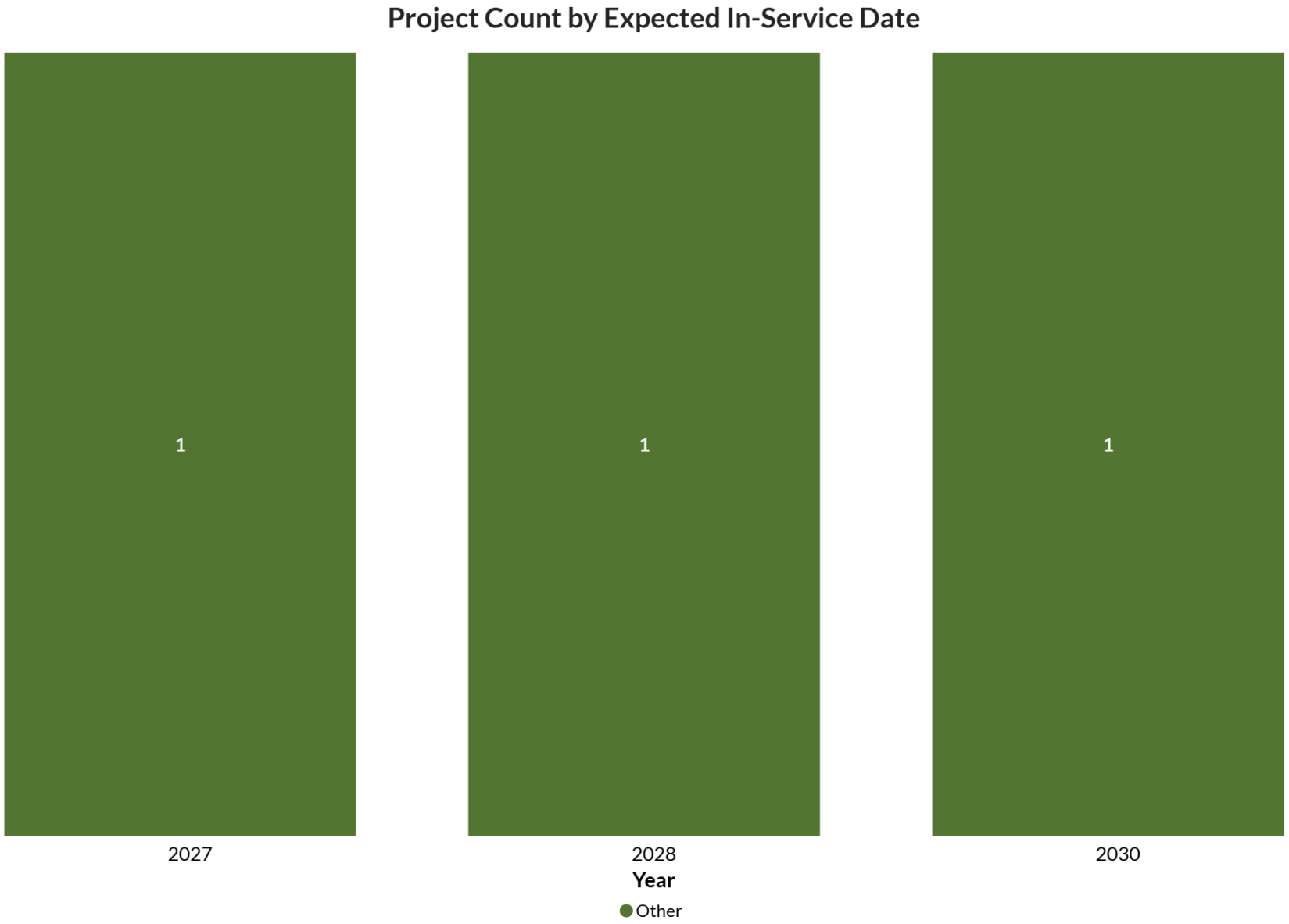
MTEP26 Summary

| | |
|---|---|
| GIP | [redacted] |
| BRP | [redacted] |
| Other | 3 |




Project information as of 8/19/26.

# MDU MTEP26 ISD Breakdown




Project information as of 8/19/26.

# 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 |
| **51219** | **Wishek NW Data Center Load Addition** | **Load Growth** | **06/01/2027** | **$2.2 M** |
| **51293** | **Hannover Data Center Load Addition** | **Load Growth** | **01/01/2030** | **$107.2 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.

# Questions?



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MISO

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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LinkedIn: Midcontinent ISO




# MTEP26 Project Information

## ITC Midwest (ITCM); Southern Minnesota Municipal Power Agency (SMMPA)

West Subregional Planning Meeting (WSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

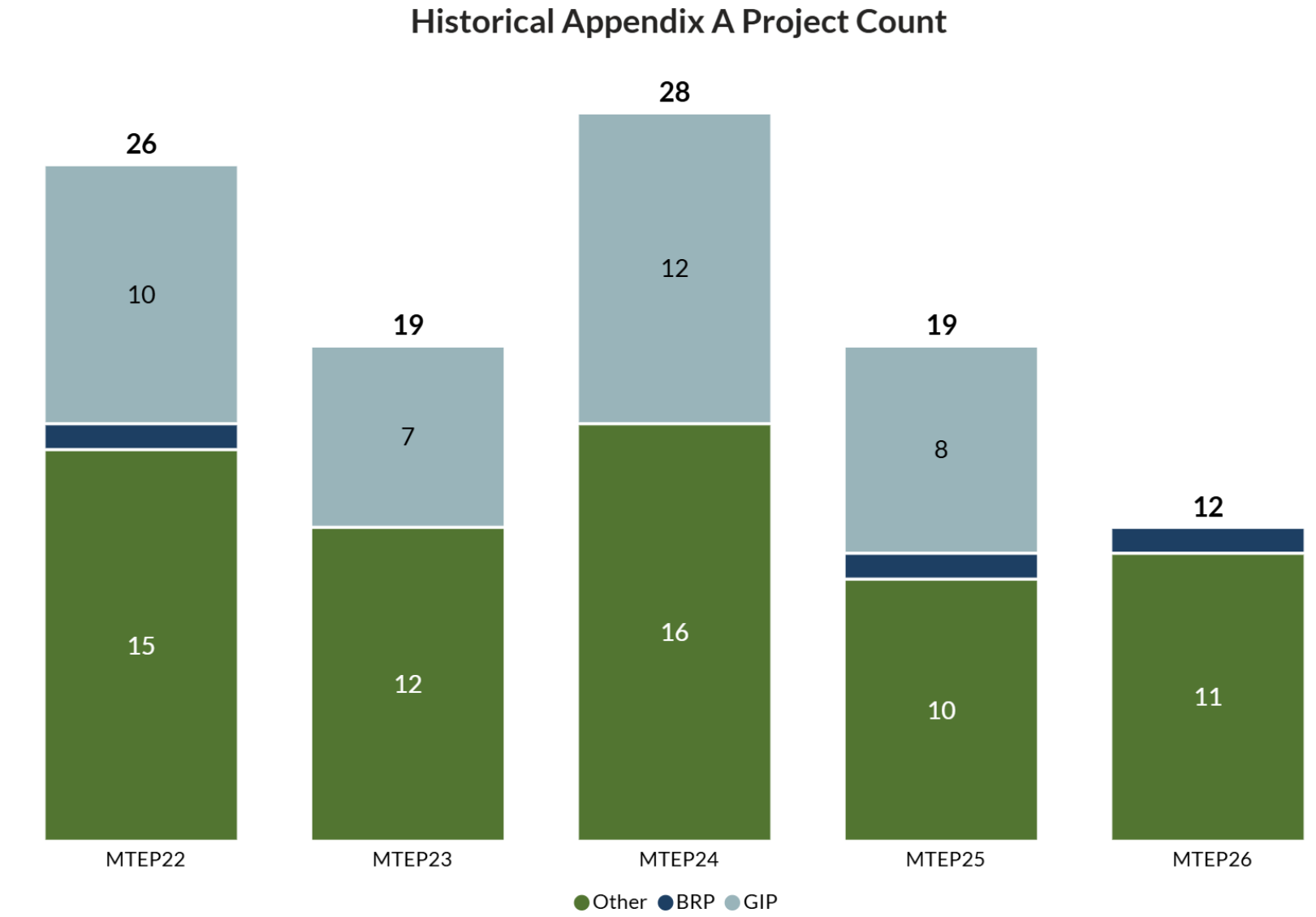
## The details of the projects and their costs per West Region TO are shown below:

- ITC Midwest (ITCM): 12 submitted projects at an estimated cost of $156 million
- Southern Minnesota Municipal Power Agency (SMMPA): 5 submitted projects at an estimated cost of $48 million

# ITC Midwest (ITCM)



# ITCM Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# ITC MIDWEST

## MTEP26 Projects

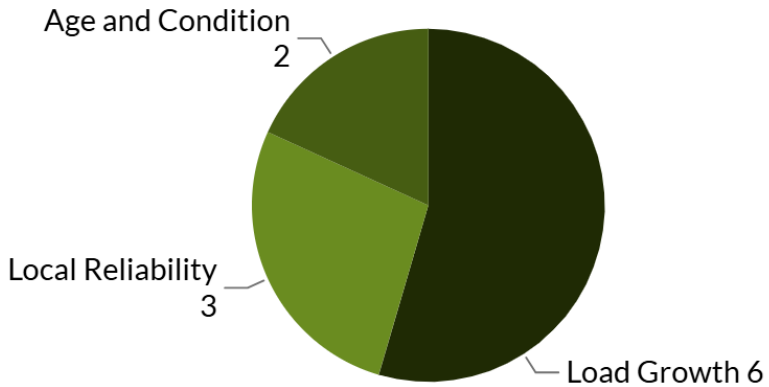



**12**
Total Projects

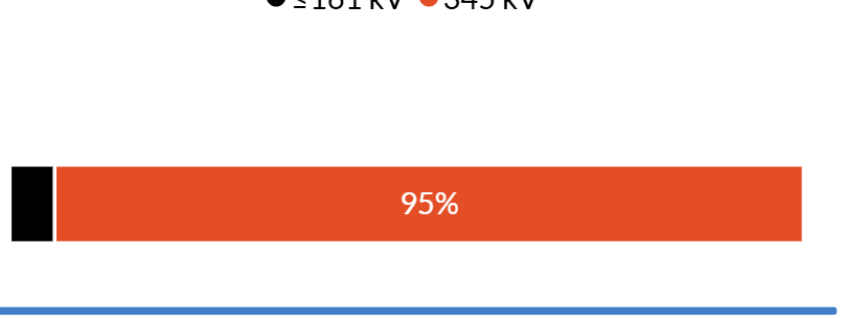
**$156M**
Investment

## Breakdown of Other Project Types

By Project Count

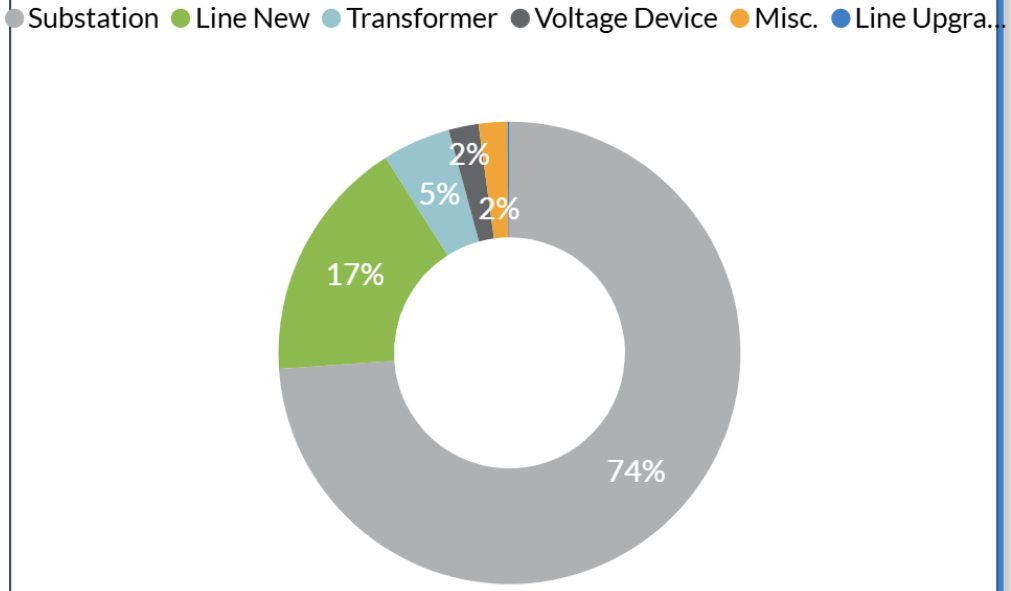



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost



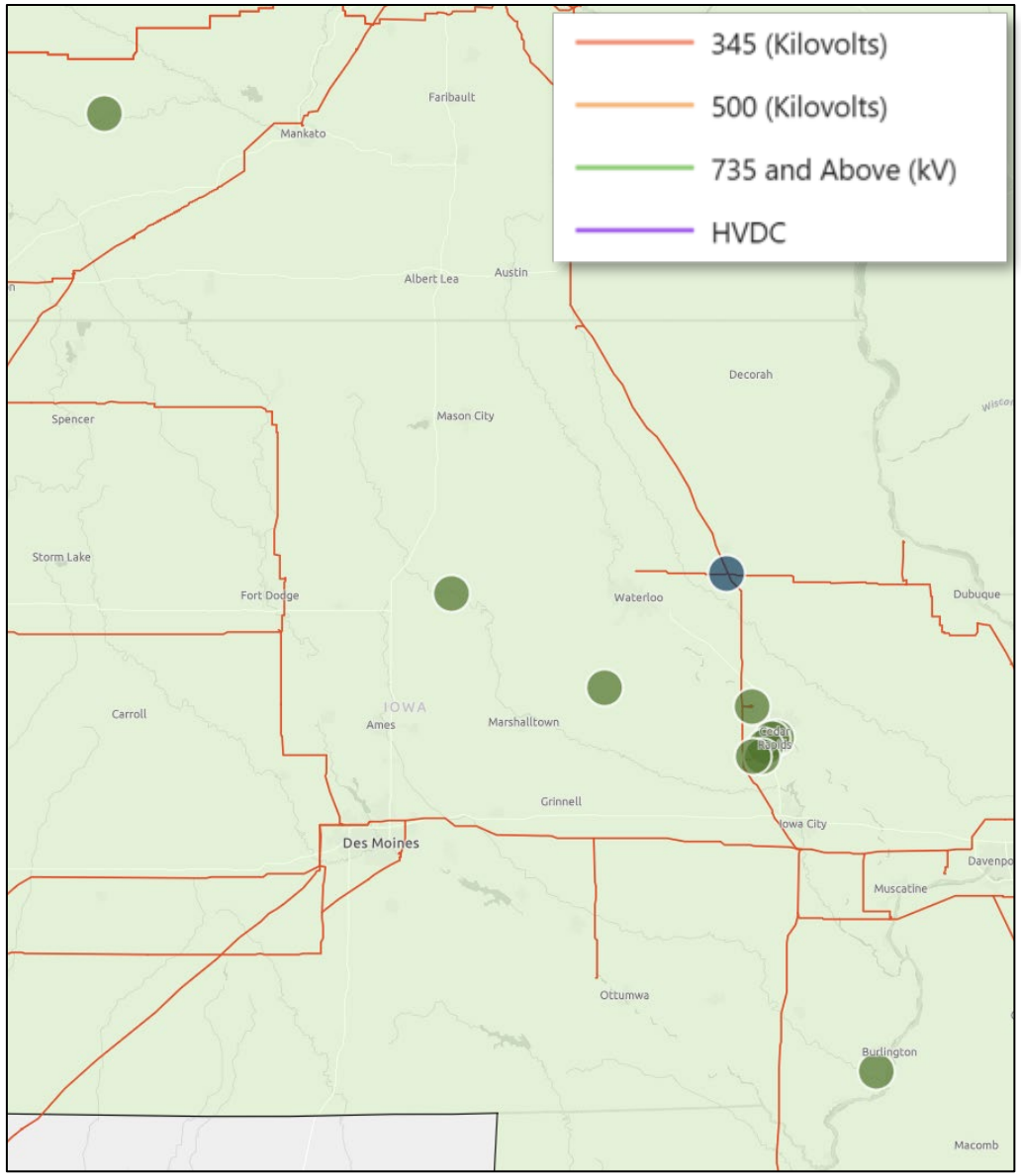

Project information as of 8/19/26.

# ITCM MTEP26 Project Type Breakdown

## ITC MIDWEST

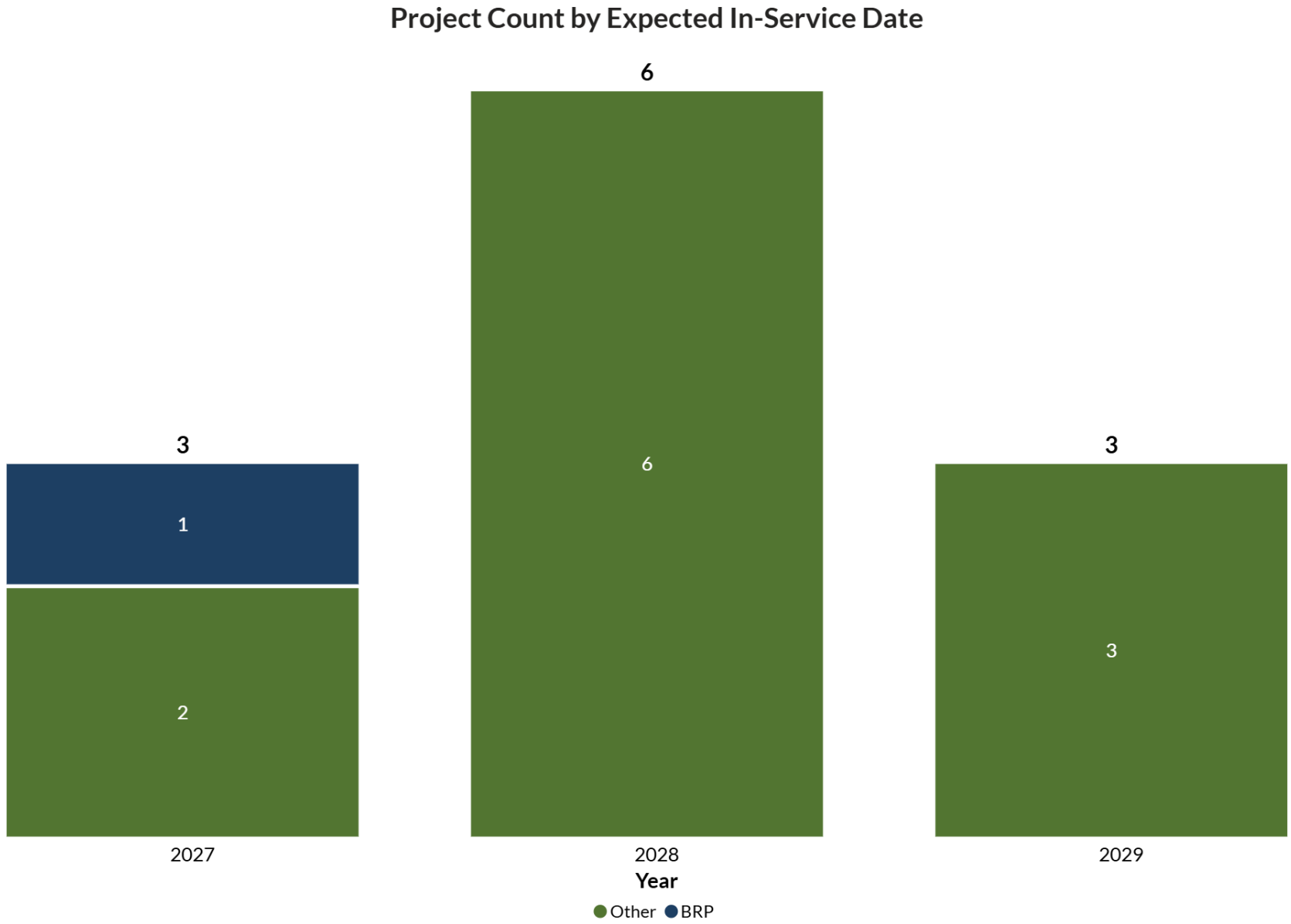
### MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 11 |



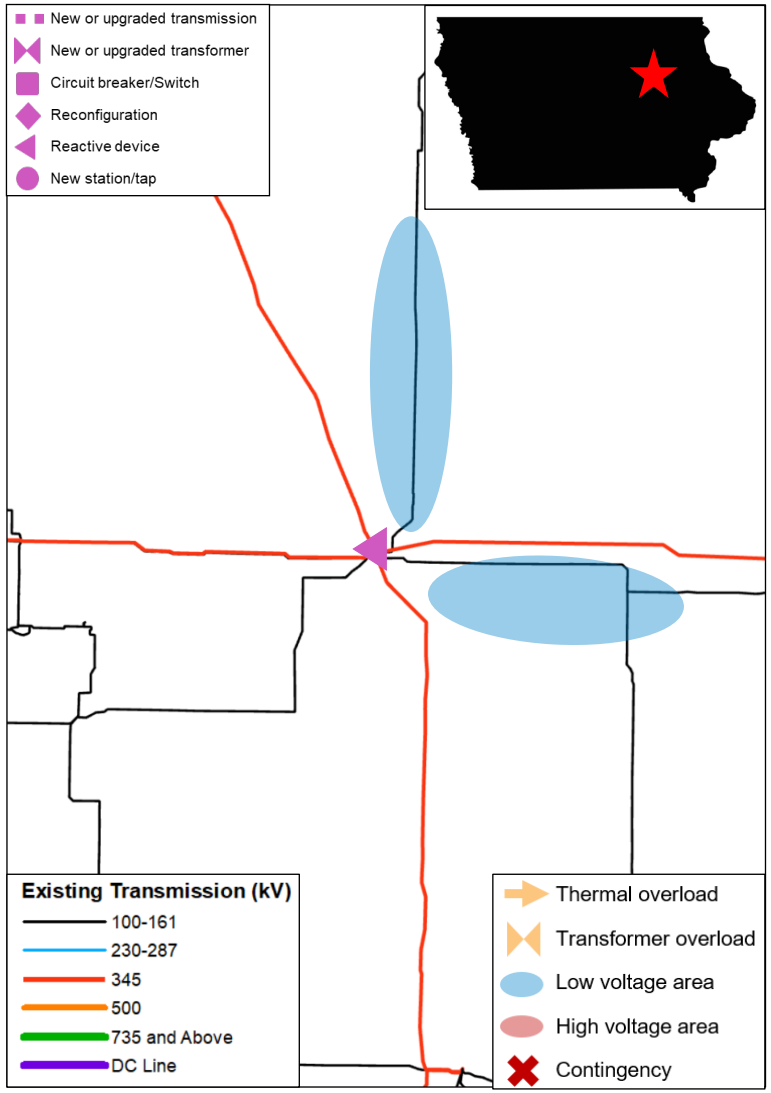

Project information as of 8/19/26.

# ITCM MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Baseline Reliability Project
# 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. |
| Current Cost | $1.9 M |
| Expected ISD | 12/31/2027 |
| Target Appendix | A |

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50775** | **Linn County 620 MW Load Addition** | **Load Growth** | **07/01/2028** | **$11.3 M** |
| 50943 | Kingston Substation Interconnection | Load Growth | 12/31/2027 | $4.2 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** |
| **51364** | **Project Atom Load Interconnection** | **Load Growth** | **06/01/2028** | **$45.5 M** |

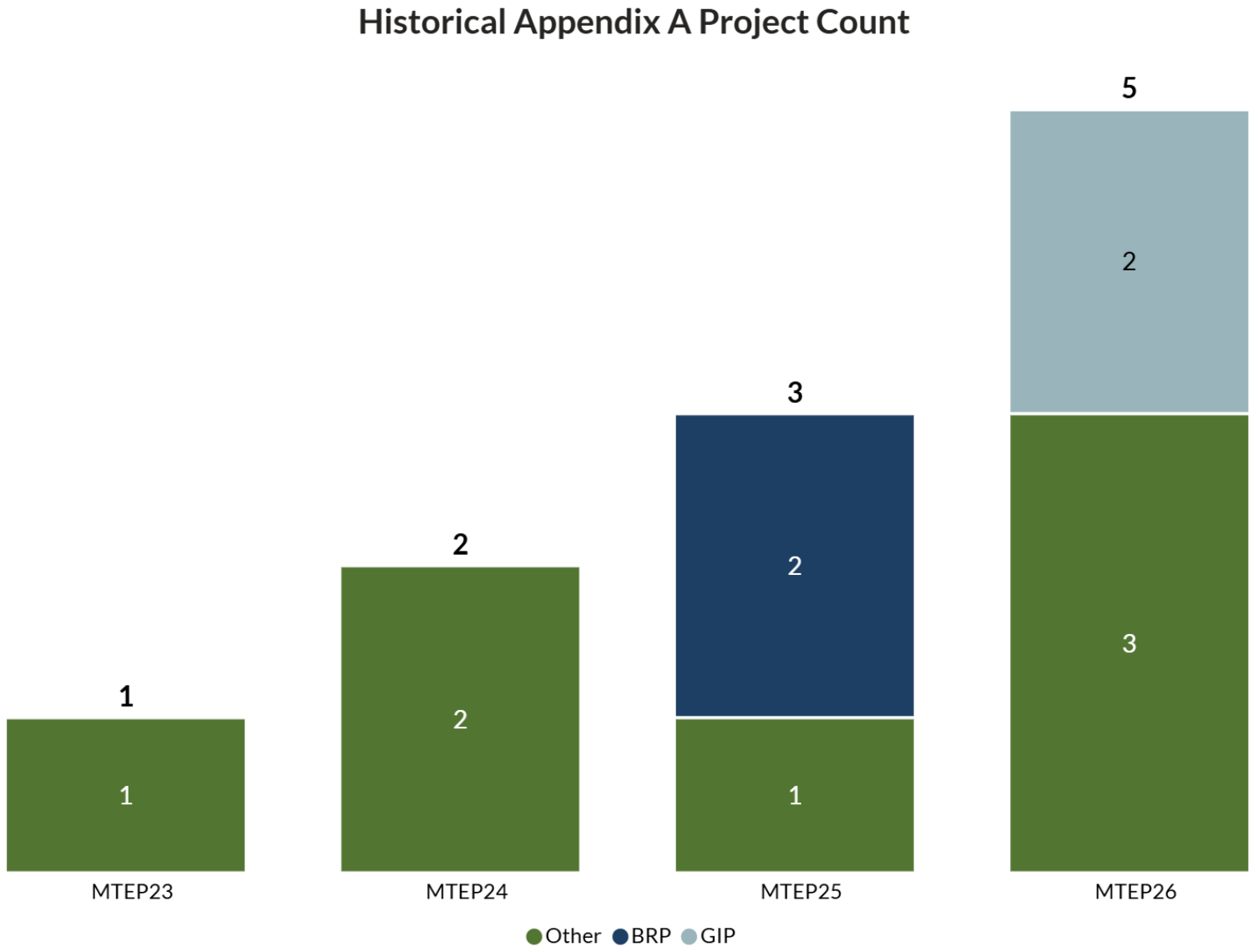
**Bold** MTEP Project IDs indicate submission through the Expedited Project Review (EPR) process.
**Bold and Underlined** MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

# Southern Minnesota Municipal Power Agency (SMMPA)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50605 | Byron J1124 345kV Interconnection | GIP | Project ISD changed from 11/1/2027 to 9/1/2029 |

# SMMPA Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY

MTEP26 Projects

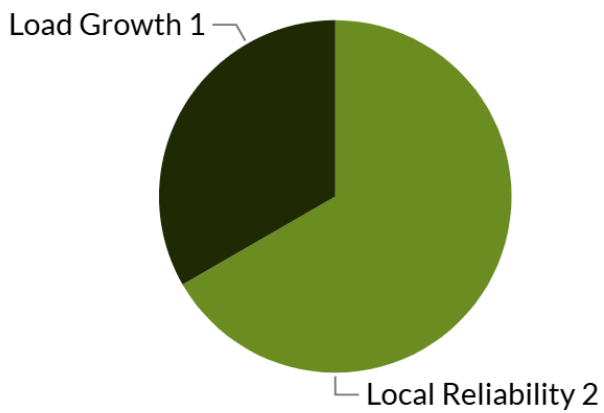



**5**
Total Projects

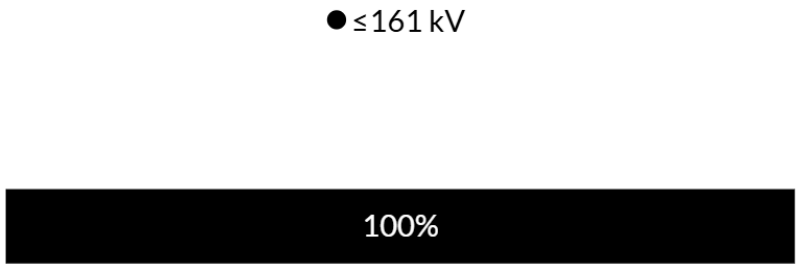
**$48M**
Investment

## Breakdown of Other Project Types

By Project Count

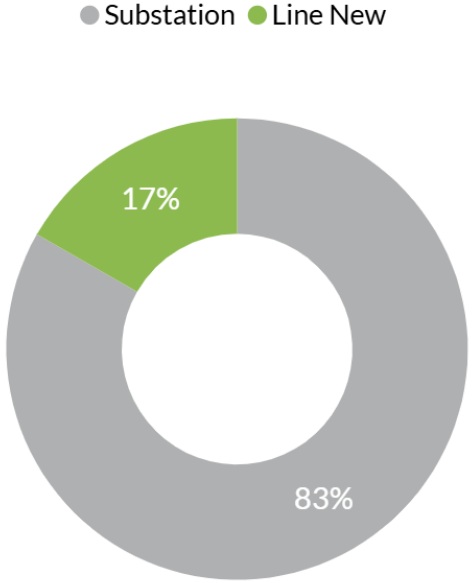



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost



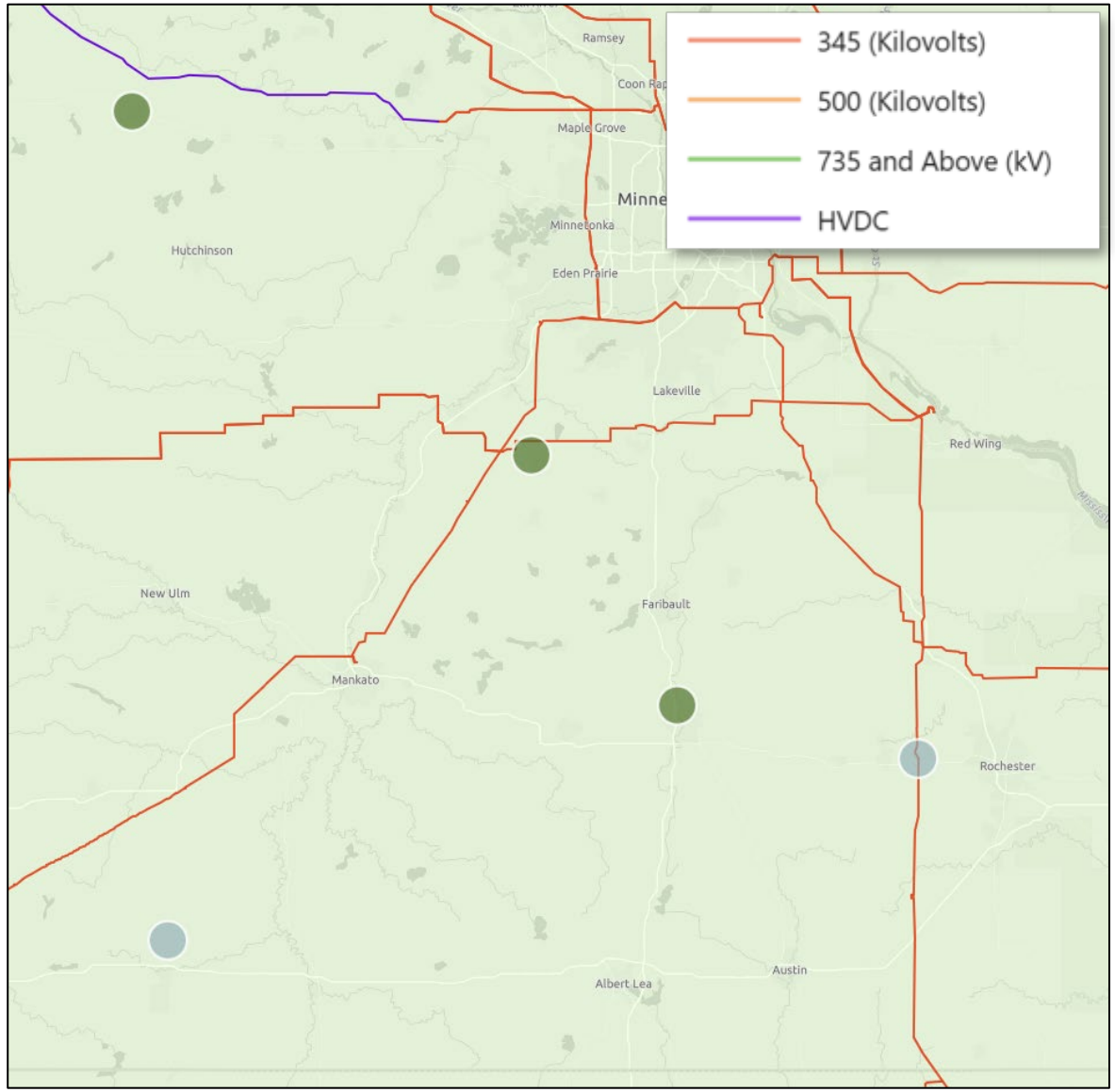

Project information as of 8/19/26.

# SMMPA MTEP26 Project Type Breakdown

## SOUTHERN MINNESOTA MUNICIPAL POWER AGENCY

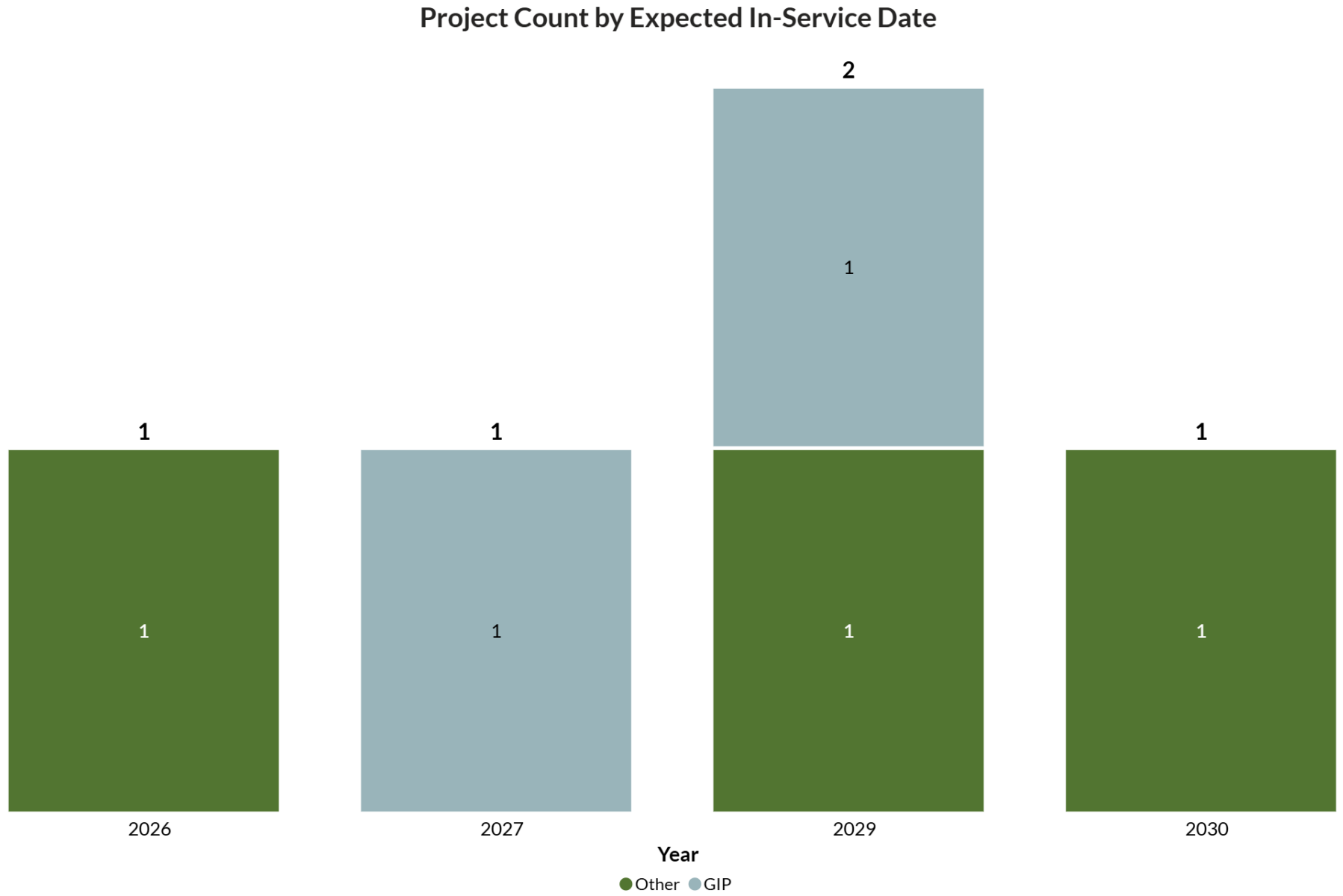
MTEP26 Summary

| | |
|---|---|
| GIP | 2 |
| BRP | [illegible] |
| Other | 3 |




Project information as of 8/19/26.

# SMMPA MTEP26 ISD Breakdown




Project information as of 8/19/26.

# 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)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50605 | Byron J1124 345kV Interconnection | 09/01/2029 | $0.2 M |
| 50606 | Rutland J1566 161kV Interconnection | 12/31/2027 | $1.5 M |

# Questions?



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Manager – Expansion Planning

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LinkedIn: Midcontinent ISO




# MTEP26 Project Information

## MidAmerican Energy Co.(MEC); Cedar Falls Municipal Electric Utility (CFU); Muscatine Power And Water (MPW)

West Subregional Planning Meeting (WSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

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

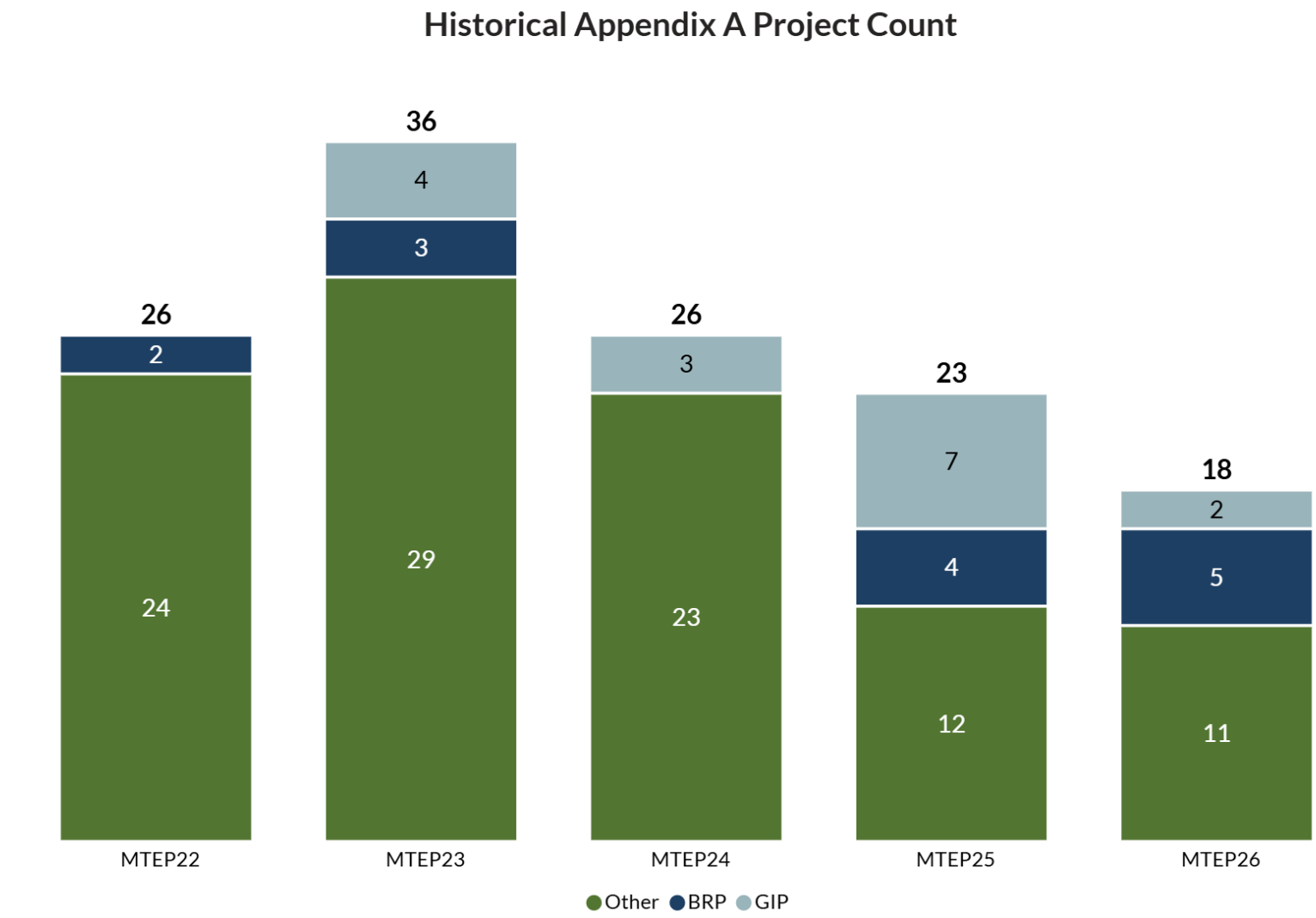
- MidAmerican Energy Co. (MEC): 18 submitted projects at an estimated cost of $864 million
- Cedar Falls Municipal Electric Utility (CFU): 1 submitted projects at an estimated cost of $2 million
- Muscatine Power and Water (MPW) did not submit projects for consideration in MTEP26

# MidAmerican Energy Co.(MEC)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50834 | Clarinda 69 kV Terminal Upgrade | Other – Local Needs | Project cost increased from $1.1M to $2M |
| 50853 | Booneville: Retire 13 kV Reactors | Other – Local Reliability | Project ISD changed from 12/1/2026 to 6/1/2027 |

# MEC Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# MIDAMERICAN ENERGY CO. MEC

## MTEP26 Projects

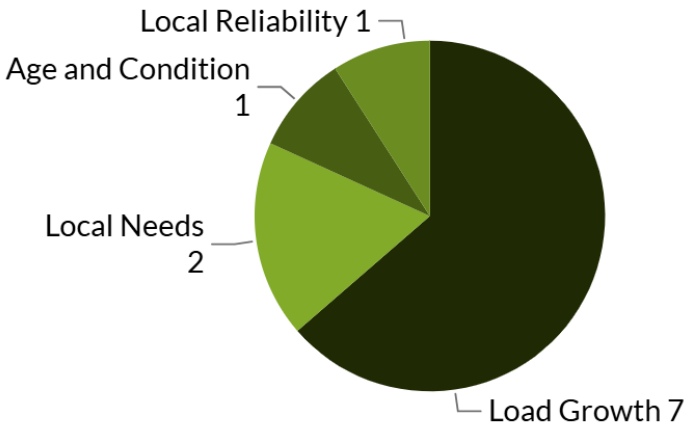



**18**
Total Projects

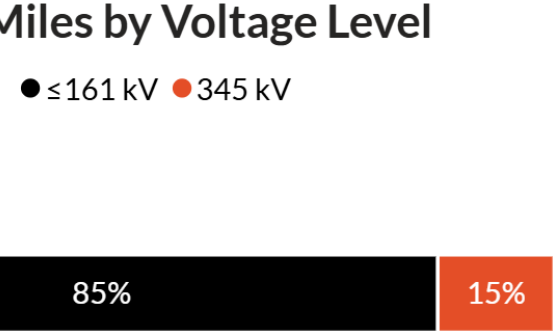
**$864M**
Investment

### Breakdown of Other Project Types

By Project Count

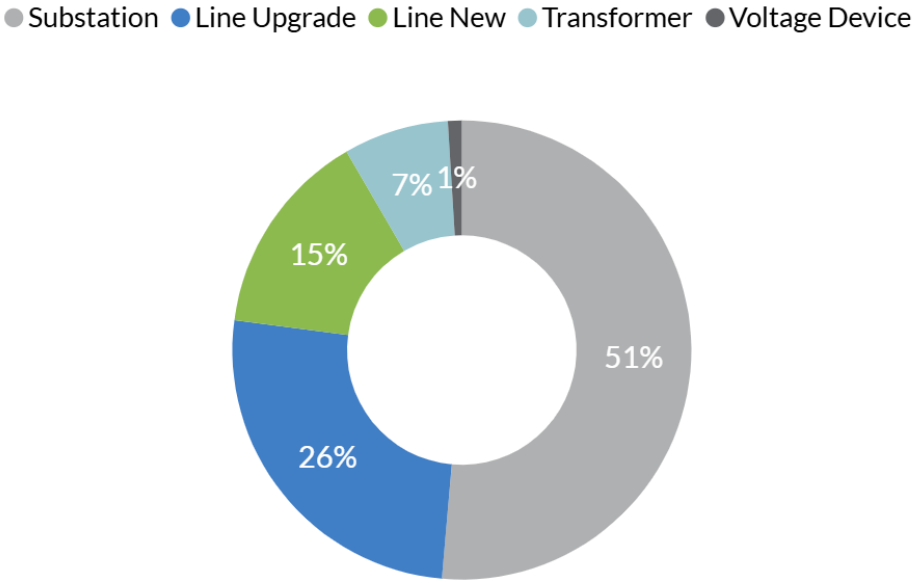



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost



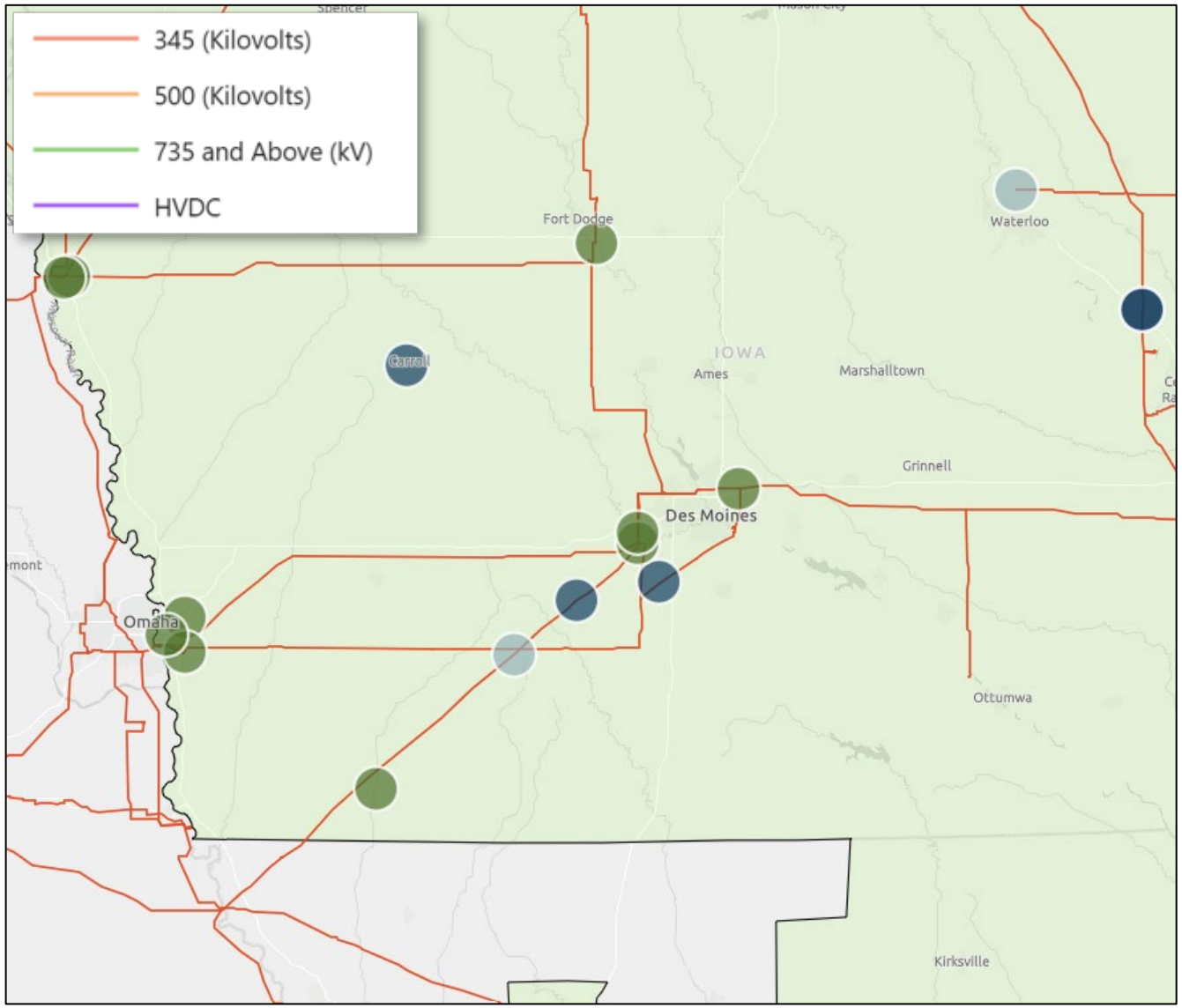

Project information as of 8/19/26.

# MIDAMERICAN ENERGY CO. MEC MTEP26 Project Type Breakdown

## MIDAMERICAN ENERGY CO. MEC

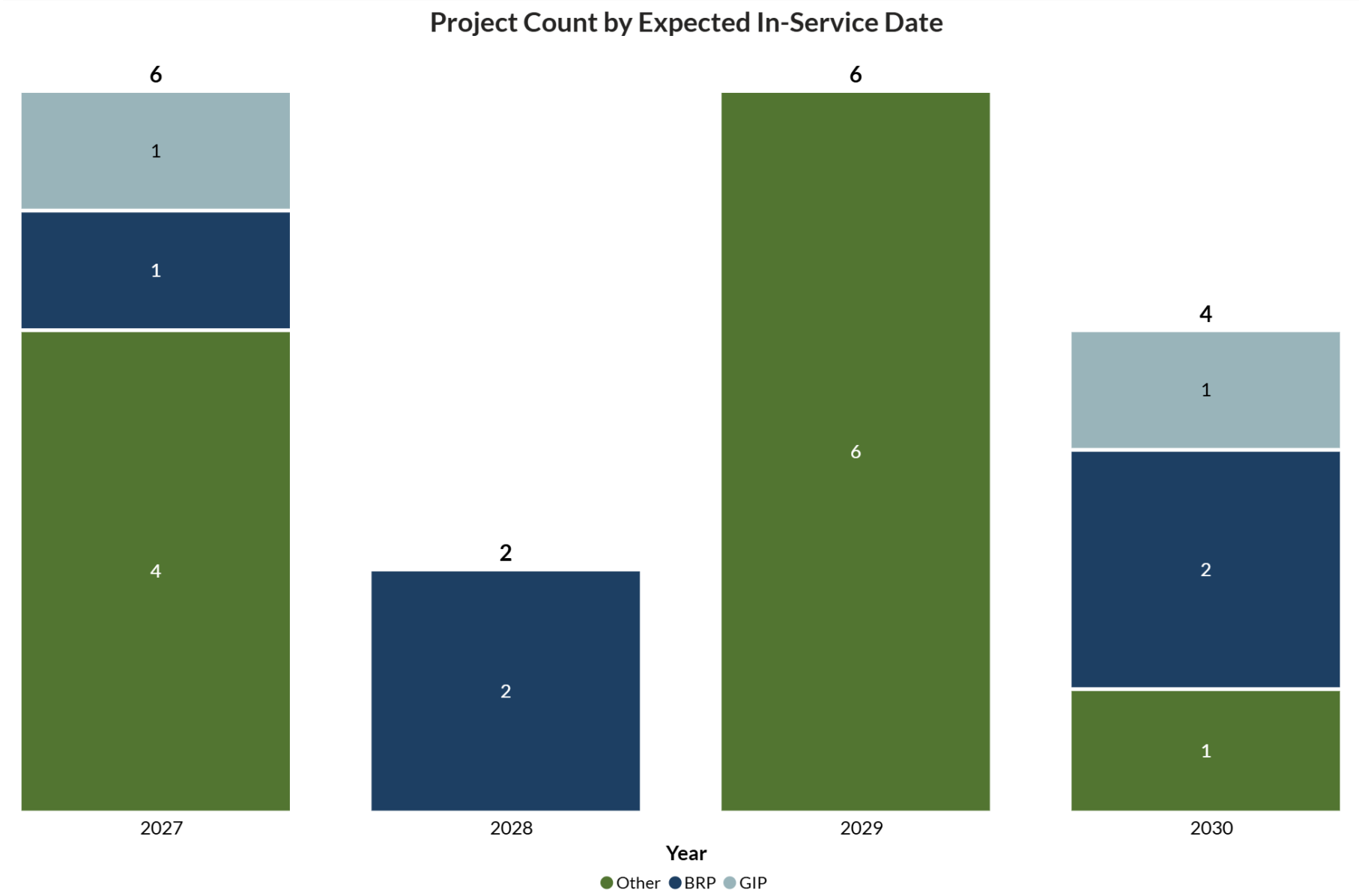
MTEP26 Summary

| | |
|---|---|
| GIP | 2 |
| BRP | 5 |
| Other | 11 |



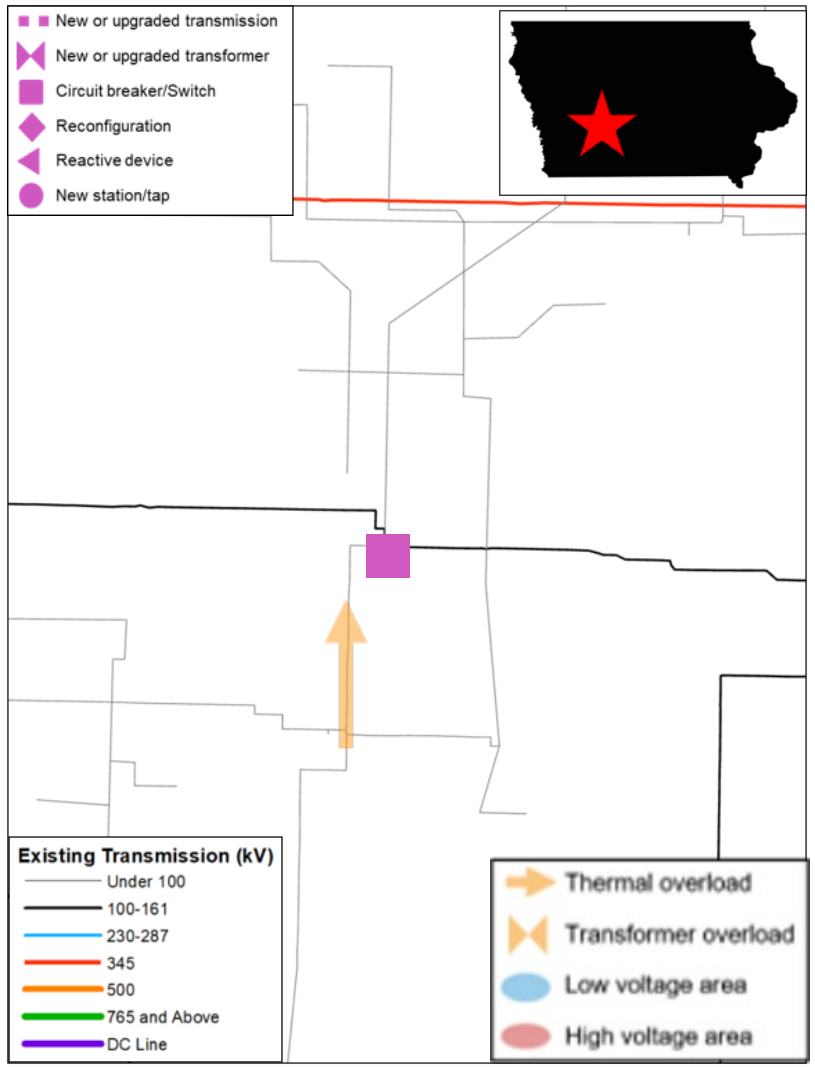

Project information as of 8/19/26.

# MIDAMERICAN ENERGY CO. MEC MTEP26 ISD Breakdown



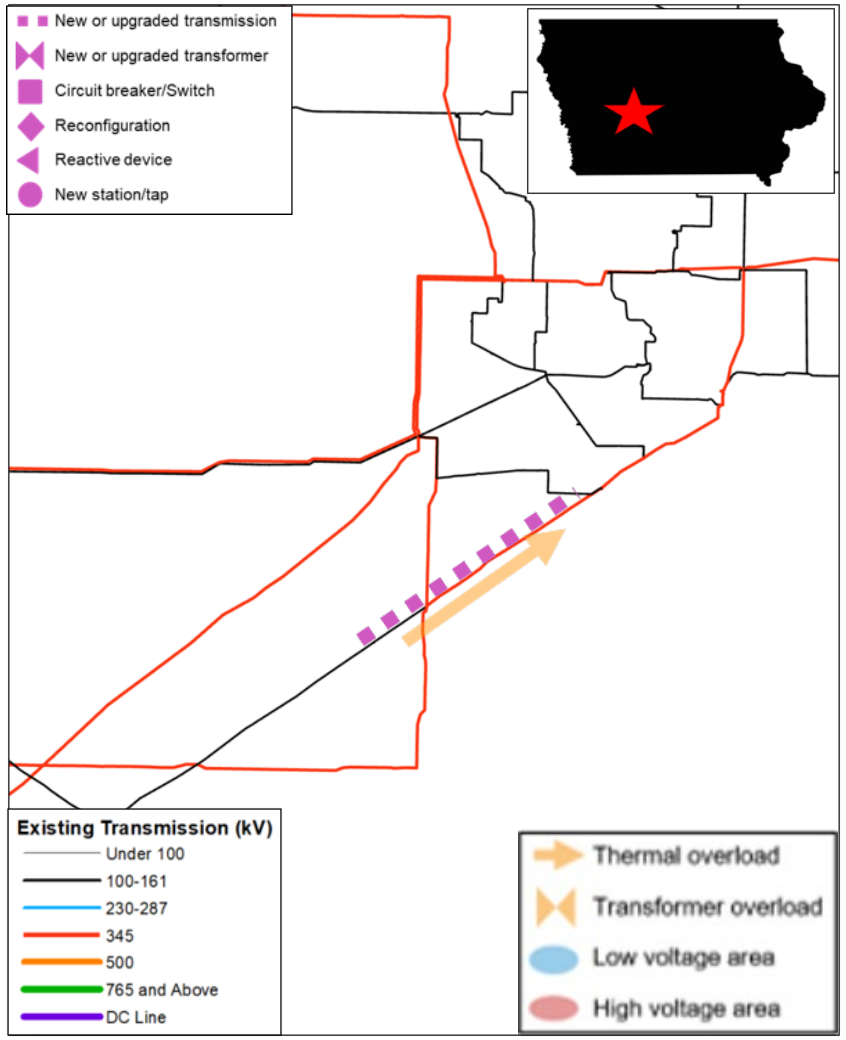

Project information as of 8/19/26.

# Baseline Reliability Project
# Details for Carroll South 69 kV Terminal Uprate



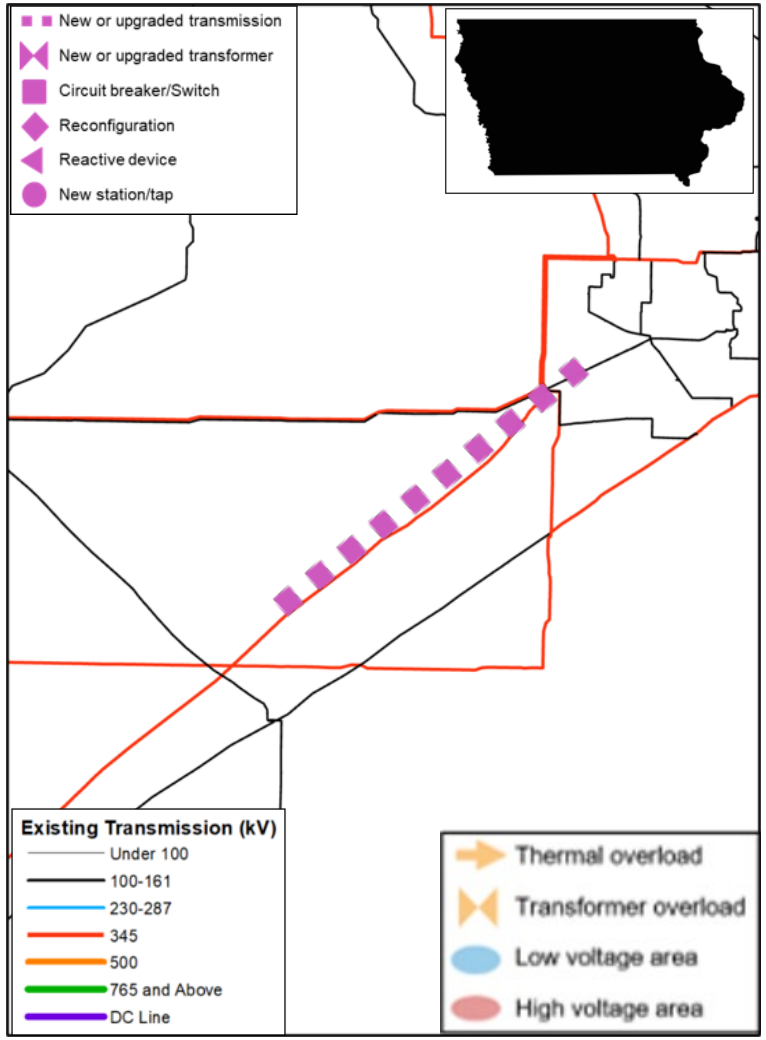

| MTEP Project ID | 50835 |
|---|---|
| Project Name | Carroll South 69 kV Terminal Uprate |
| Project Type | BRP |
| Project Description | Replace 69 kV breaker and associated terminal equipment at Carroll South Substation on Carroll County line terminal |
| Current Cost | $0.5 M |
| Expected ISD | 12/01/2027 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Norwalk-Winterset 161 kV Line Uprate




| MTEP Project ID | 50836 |
|---|---|
| Project Name | Norwalk-Winterset 161 kV Line Uprate |
| Project Type | BRP |
| Project Description | Replace transmission line structures to increase 161 kV line rating. |
| Current Cost | $0.3 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |

# Baseline Reliability Project
# Details for Southern Hills-Booneville 345 kV Line Uprate




| MTEP Project ID | 51122 |
|---|---|
| Project Name | Southern Hills-Booneville 345 kV Line Uprate |
| Project Type | BRP |
| Project Description | Replace transmission line structures to increase 345 kV line rating. |
| Current Cost | $2.2 M |
| Expected ISD | 06/01/2030 |
| Target Appendix | A |

# BRP Project Summary

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 50835 | Carroll South 69 kV Terminal Uprate | 12/01/2027 | $0.5 M |
| 50836 | Norwalk-Winterset 161 kV Line Uprate | 06/01/2030 | $0.3 M |
| 51122 | Southern Hills-Booneville 345 kV Line Uprate | 06/01/2030 | $2.2 M |
| **51174** | **MidAmerican Energy Upgrades for MTEP 50775 Linn County 620 MW Load Addition** | **07/01/2028** | **$2.5 M** |
| **51416** | **MidAmerican Energy Upgrades for MTEP 51259 Big Cedar 370 MW Load Addition** | **12/31/2028** | **$6.5 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

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| **50721** | **East Kanesville 161 kV Substation & 161 kV Lines** | **Load Growth** | **06/01/2029** | **$56.5 M** |
| 50832 | DMAT North 345 kV Substation and line taps | Load Growth | 05/01/2029 | $32.0 M |
| 50834 | Clarinda 69 kV Terminal Upgrade | Local Needs | 12/01/2027 | $2.0 M |
| 50853 | Booneville: Retire 13 kV Reactors | Local Reliability | 06/01/2027 | $0.3 M |
| 51085 | Green Hill Substation and Associated 345 kV Lines | Load Growth | 07/01/2029 | $64.0 M |
| **51087** | **Indian Creek West 161 kV Substation & Associated Upgrades** | **Load Growth** | **07/01/2029** | **$103.1 M** |
| 51192 | Webster and Lehigh Substation Terminal Equipment Upgrades | Local Needs | 12/31/2027 | $2.0 M |
| **51216** | **Van Meter 161 kV Substation and Associated 161 kV Upgrades** | **Load Growth** | **02/01/2029** | **$42.5 M** |
| 51353 | Plymouth 161-69 kV Transformer Replacement | Age and Condition | 07/01/2029 | $7.9 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 |
|---|---|---|---|---|
| 51430 | Rebel West 345 kV Substation & Associated Upgrades | Load Growth | 12/31/2027 | $131.0 M |
| 51431 | Rebel East and Westwood 345 kV Substations & Associated Upgrades | Load Growth | 12/31/2030 | $373.0 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.

# Generator Interconnection Projects (GIPs)

| MTEP Project ID | Project Name | Expected ISD | Current Cost |
|---|---|---|---|
| 51223 | E0002 New 345 kV Interconnection Substation and 345 kV Line Taps | 09/01/2027 | $29.1 M |
| 51331 | Black Hawk: Install 345 kV 100 MVAR Capacitor | 04/01/2030 | $8.1 M |

# Cedar Falls Municipal Electric Utility (CFU)- One Submitted via EPR Process

# Questions?



Avneet Kaur
Engineer – Expansion Planning

Zheng Zhou
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

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LinkedIn: Midcontinent ISO



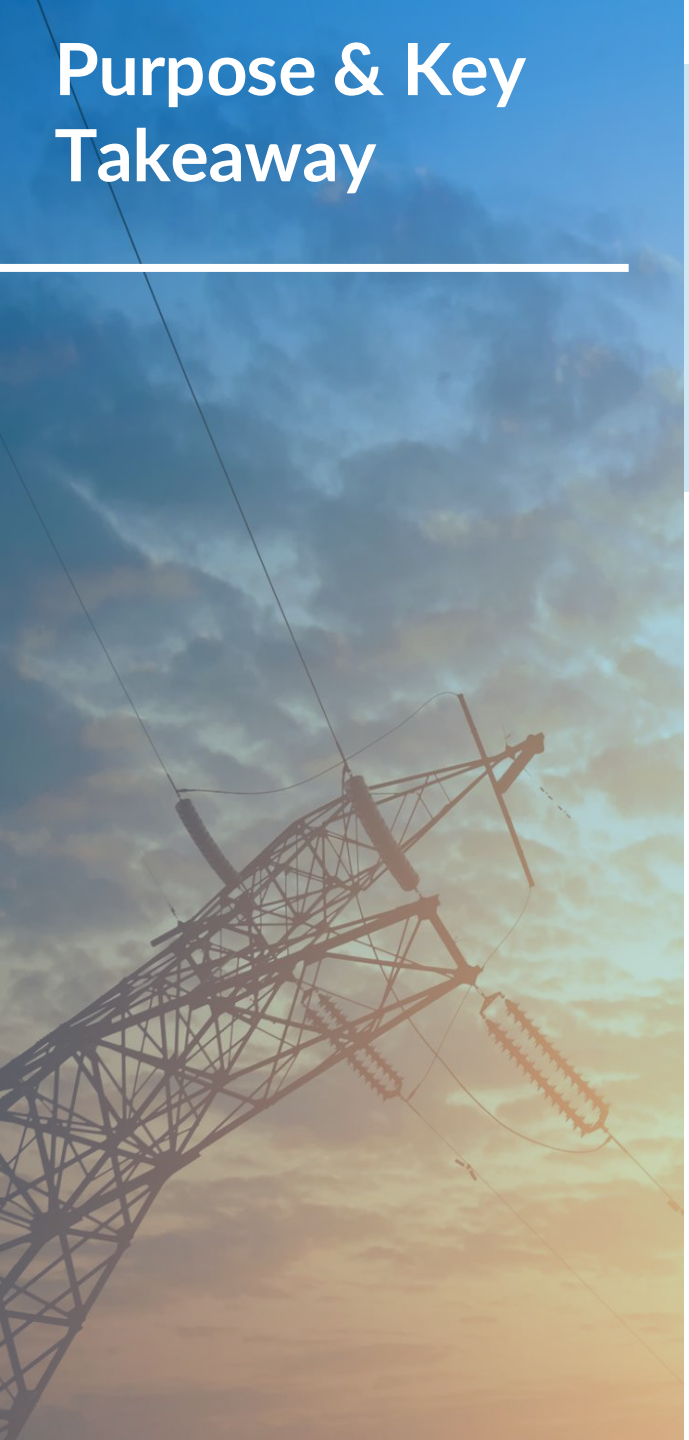

# MTEP26 Project Information

## Minnesota Power Inc. (MP) ; Otter Tail Power Company (OTP) ; Minnkota Power Cooperative, Inc (MPCN)

3rd West Subregional Planning Meeting

Friday, September 4, 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 August 19, 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

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

## 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 Inc. (MPCN): 4 submitted projects at an estimated cost of $34 million

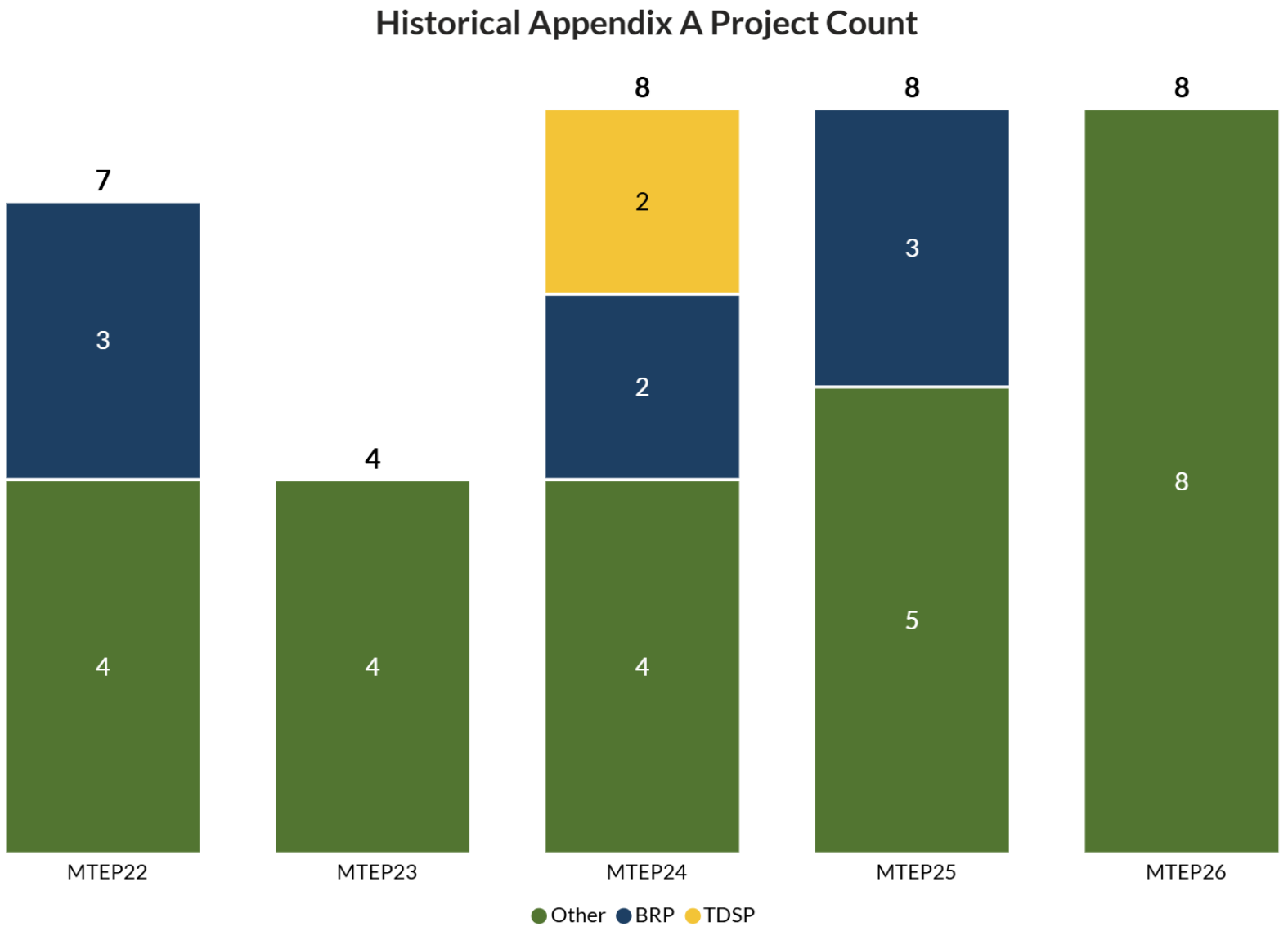
Unlabeled

# Minnesota Power Inc. (MP)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 22285 | 133 Line Rebuild | Other – Age and Condition | Project Type changed from 'BRP' to 'Other – Age and Condition' |
| 22286 | 24 Line Upgrade | Other – Age and Condition | Project Type changed from 'BRP' to 'Other – Age and Condition' |

# MP Historical Appendix A data, including recommended MTEP26



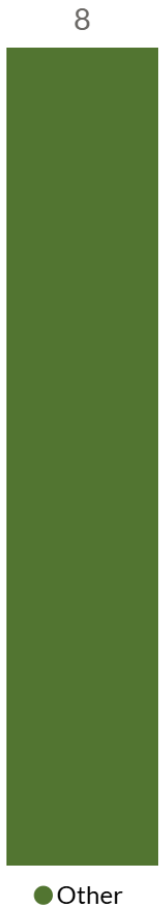

Project information as of 8/19/26.



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# MINNESOTA POWER INC.

## MTEP26 Projects

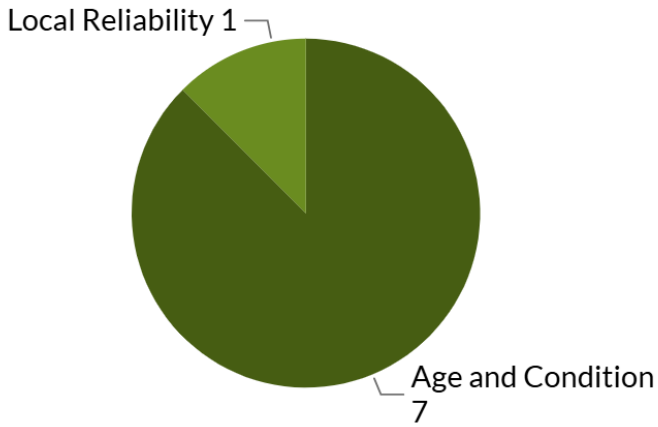



**8**
Total Projects

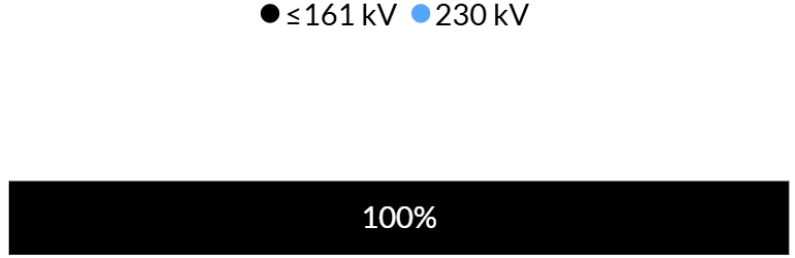
**$25M**
Investment

### Breakdown of Other Project Types

By Project Count

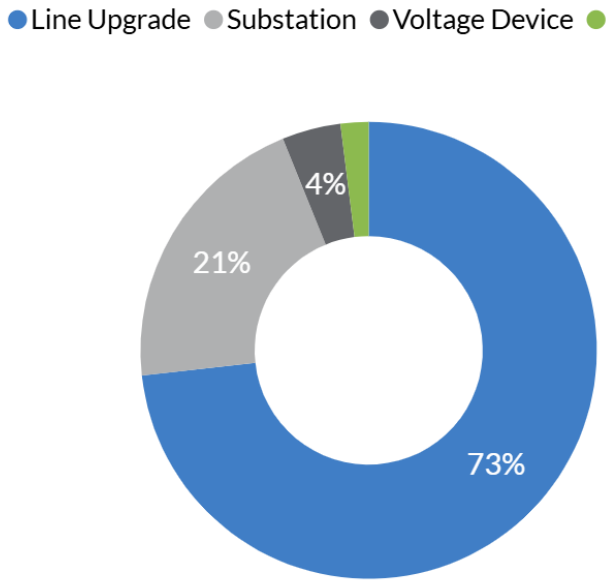



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 8/19/26.

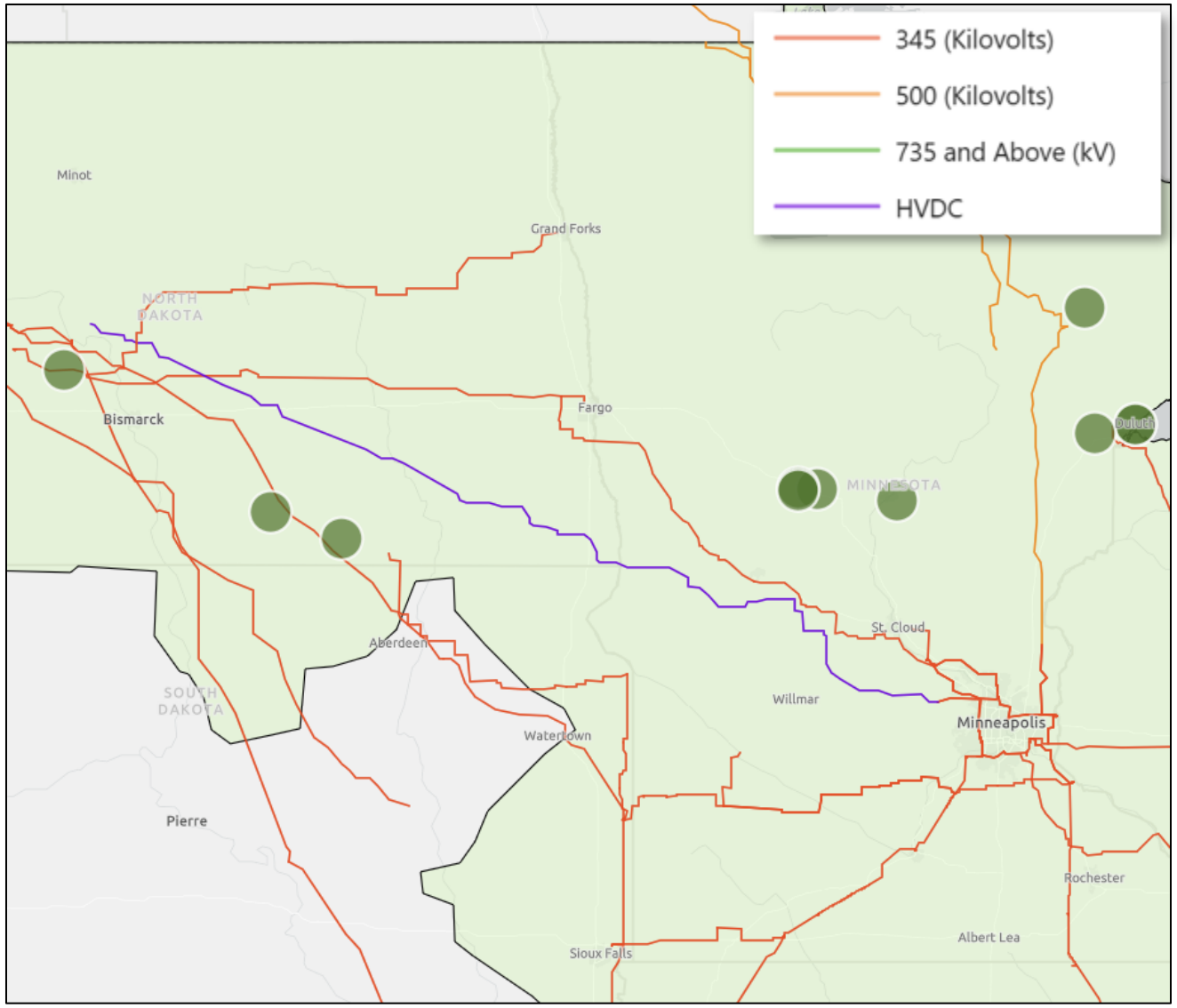
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# MP MTEP26 Project Type Breakdown

## MINNESOTA POWER INC.

### MTEP26 Summary

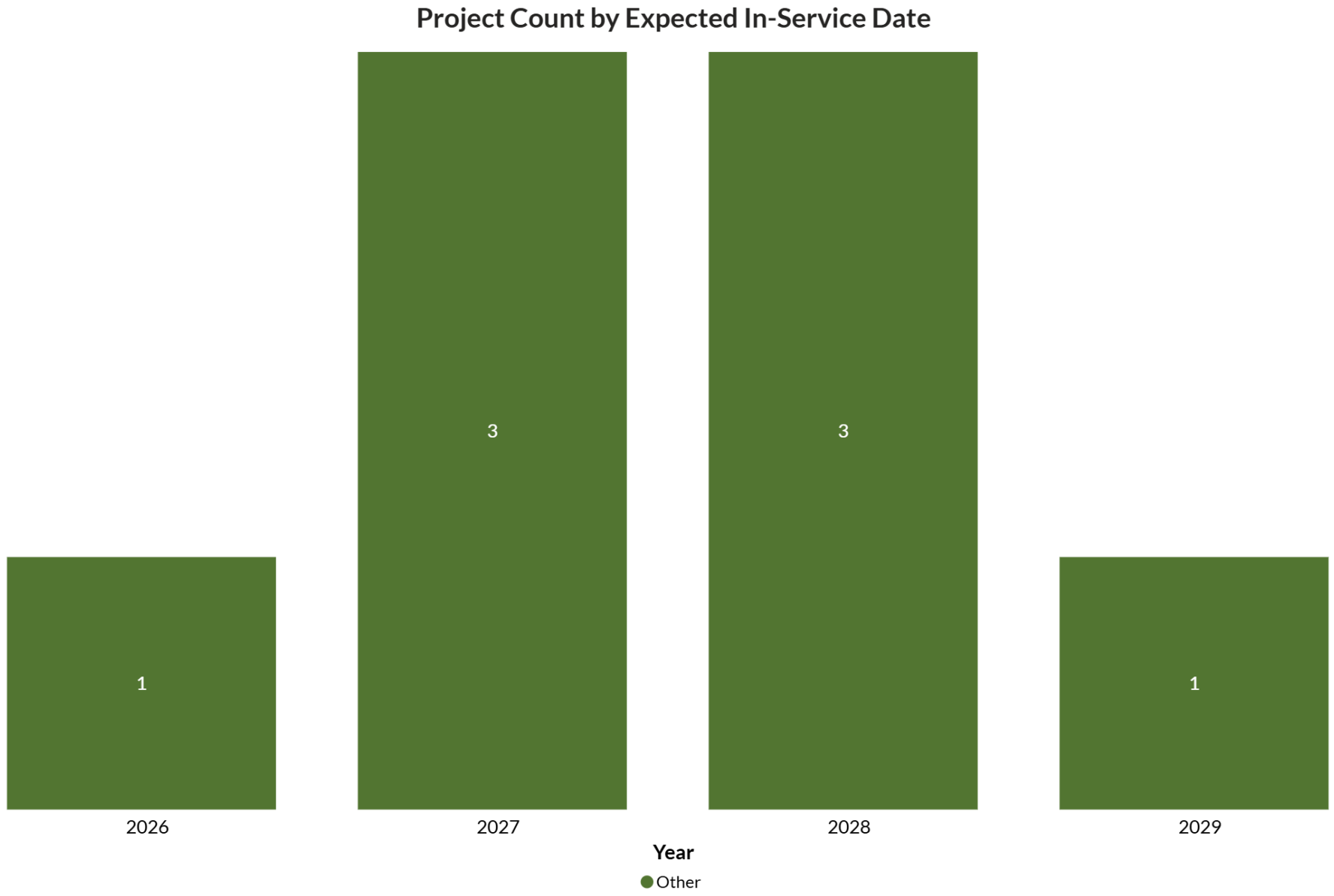
| | |
|---|---|
| GIP | [redacted] |
| BRP | [redacted] |
| Other | 8 |




Project information as of 8/19/26.

Unlabeled

# MP MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Other Projects

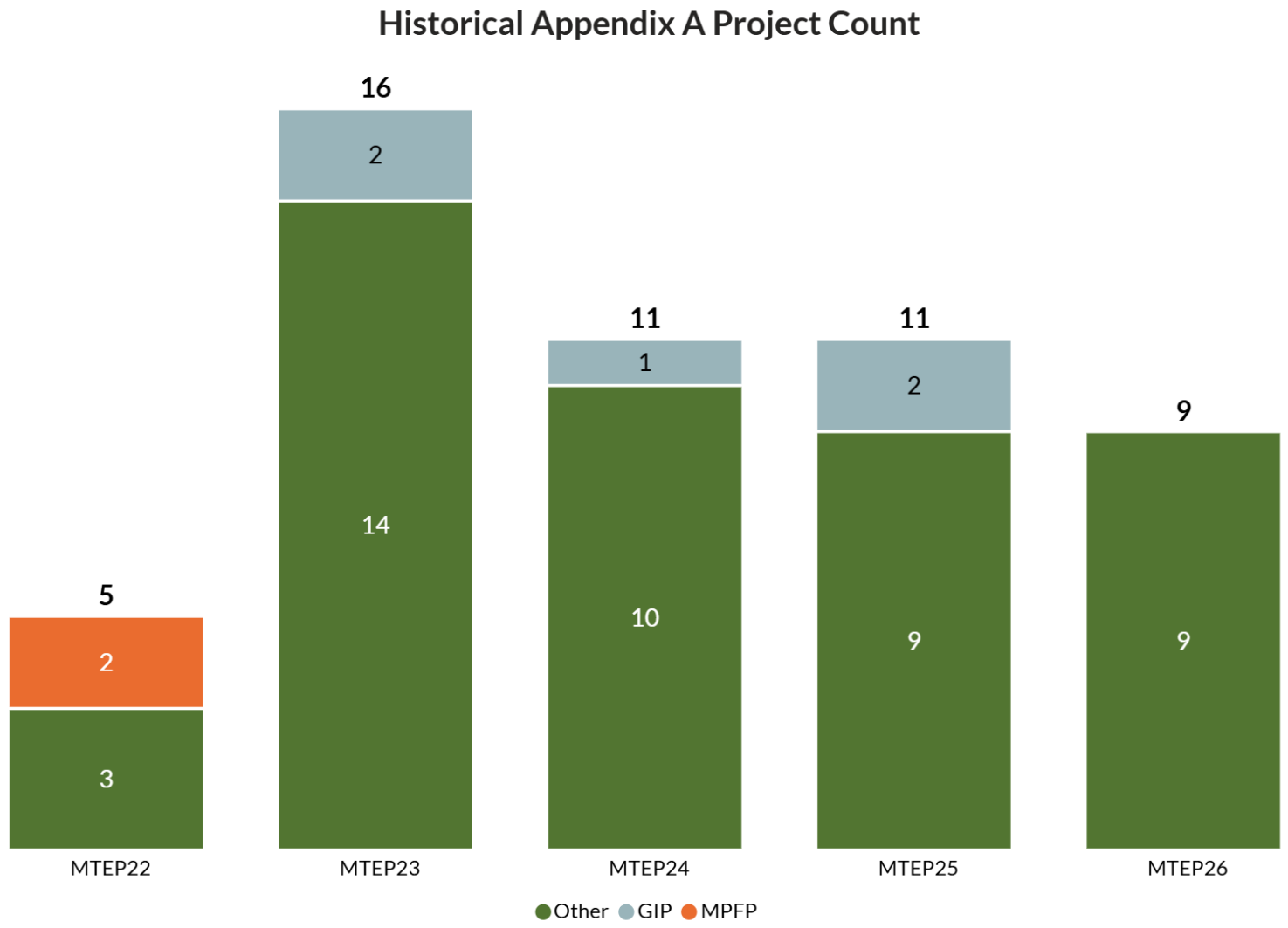
| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 20087 | Cloquet Substation Modernization | Age and Condition | 12/31/2028 | $1.0 M |
| 22285 | 133 Line Rebuild | Age and Condition | 12/31/2028 | $1.5 M |
| 22286 | 24 Line Upgrade | Age and Condition | 12/31/2029 | $11.0 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.
**Bold and Underlined** MTEP Project IDs indicate the project is Appendix A approved via the EPR process.

Unlabeled

# Otter Tail Power Company (OTP)

# OTP Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.



Unlabeled

# OTTER TAIL POWER COMPANY OTP

## MTEP26 Projects

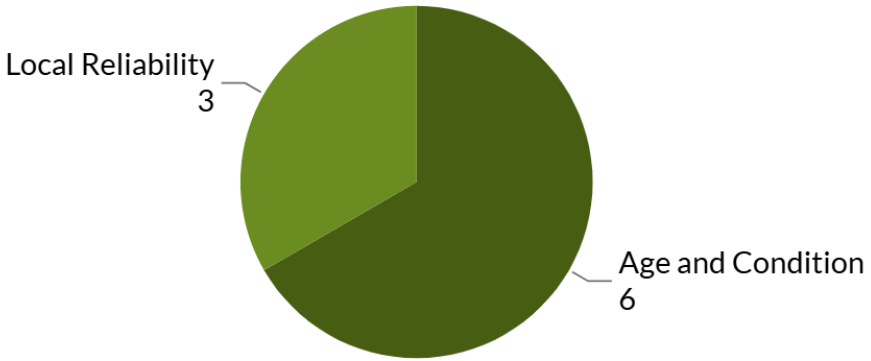



**9**
Total Projects

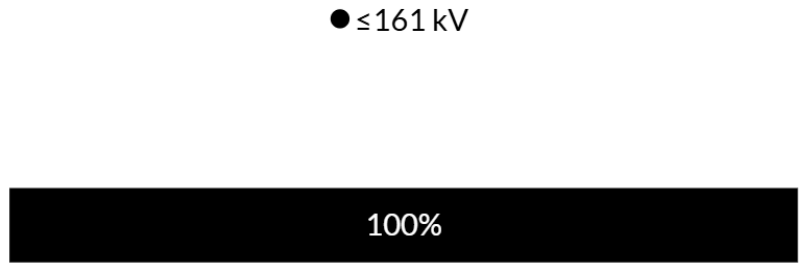
**$9M**
Investment

## Breakdown of Other Project Types

By Project Count

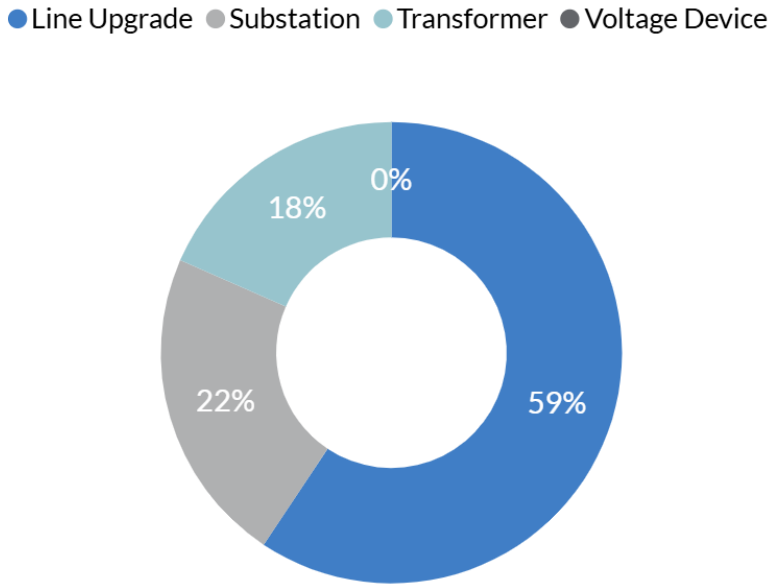



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost




Project information as of 8/19/26.

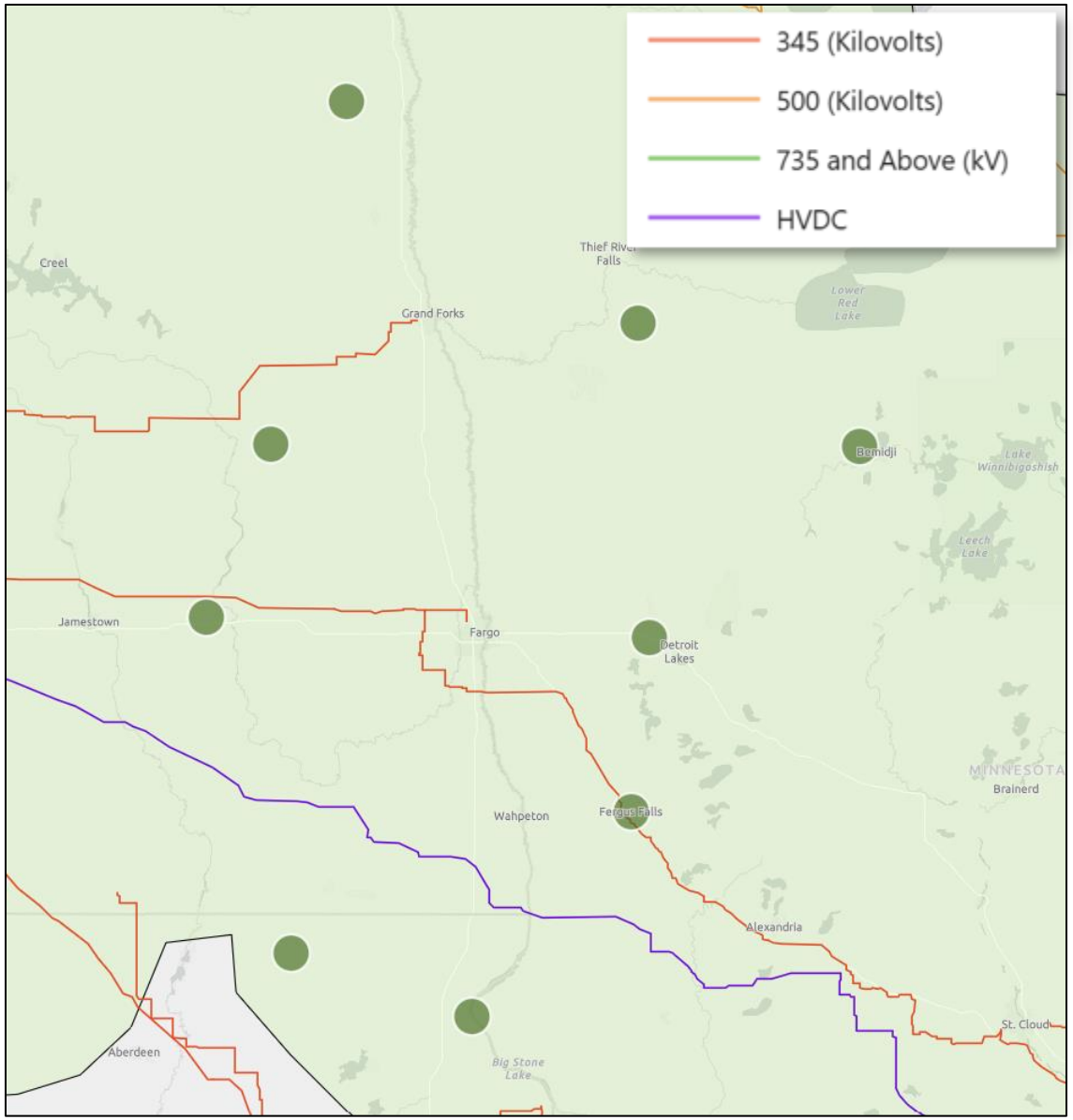
Unlabeled

# OTTER TAIL POWER COMPANY OTP MTEP26 Project Type Breakdown

## OTTER TAIL POWER COMPANY OTP

MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | |
| Other | 9 |

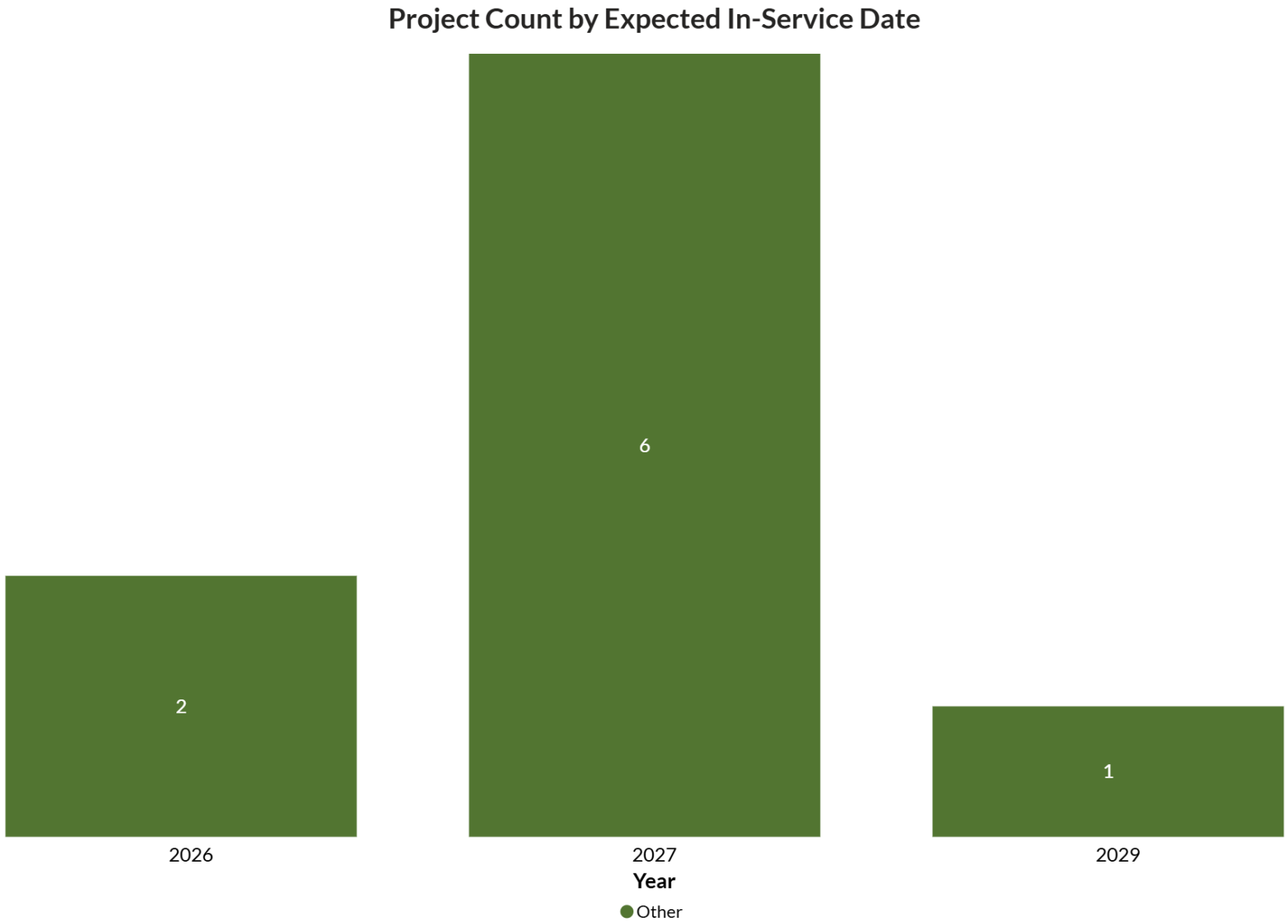



Project information as of 8/19/26.



Unlabeled

# OTTER TAIL POWER COMPANY OTP MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Other Projects

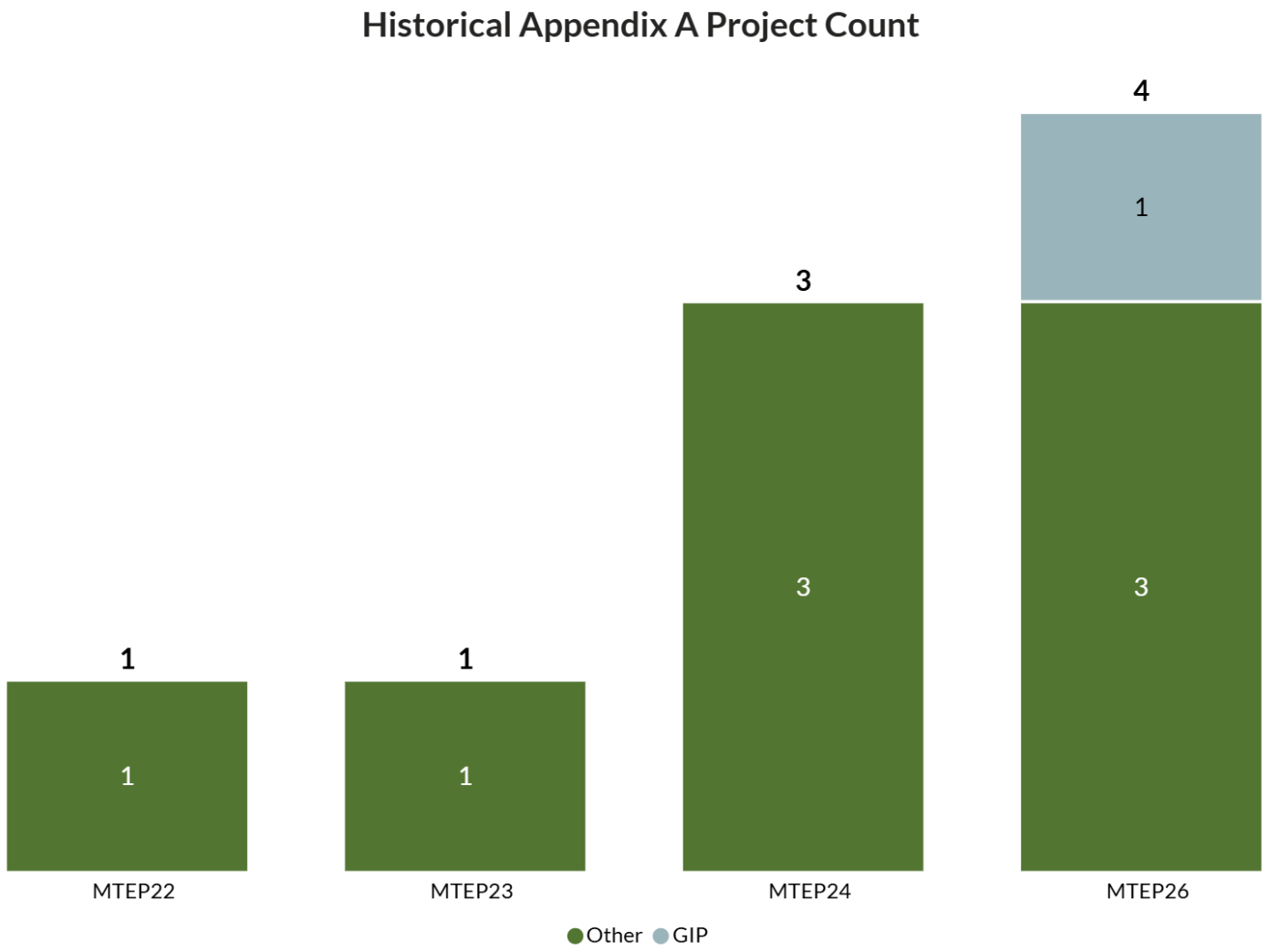
| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 50991 | OTP Hobart Lake 41.6 kV Line Reroute | Age and Condition | 12/31/2027 | $0.2 M |
| 50992 | OTP Plummer 41.6 kV Line Rebuild | Age and Condition | 12/31/2027 | $1.4 M |
| 50995 | OTP Audubon 41.6 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 |

**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

# MINNKOTA POWER COOPERATIVE, INC. (MPCN)

# MPC Historical Appendix A data, including recommended MTEP26



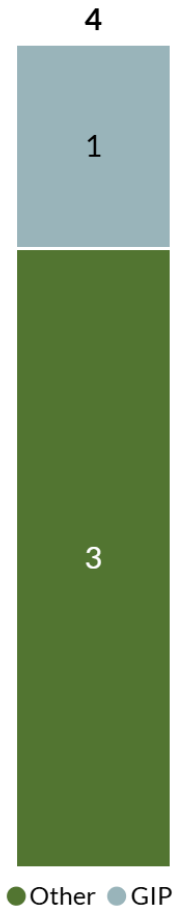

Project information as of 8/19/26.



Unlabeled

# MINNKOTA POWER COOPERATIVE, INC MPCN

## MTEP26 Projects

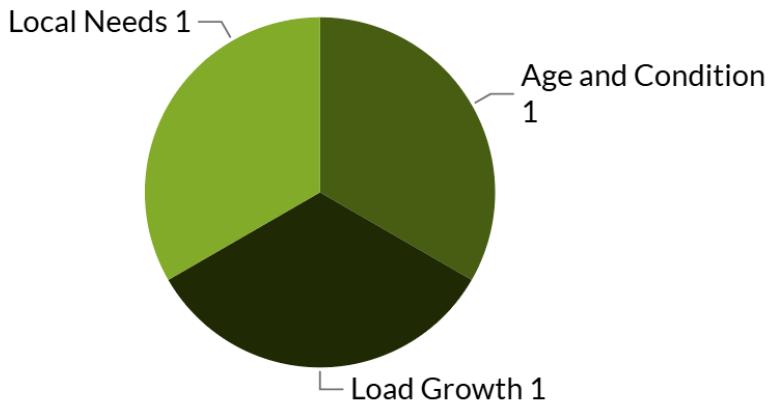



**4**
Total Projects

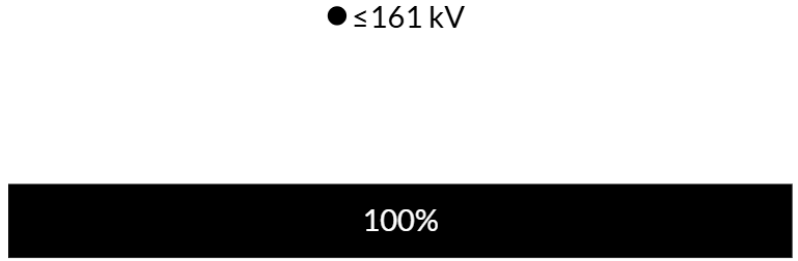
**$34M**
Investment

### Breakdown of Other Project Types

By Project Count

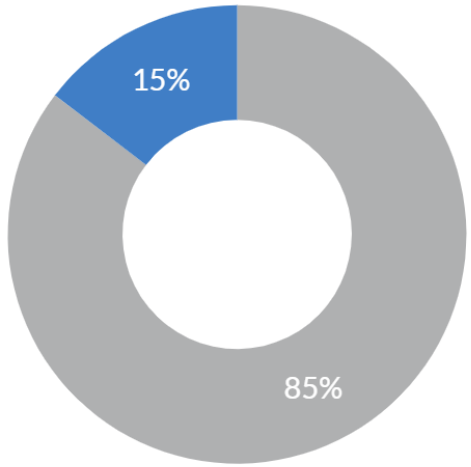



### Line Miles by Voltage Level




### Project Facility Types

As a Percentage of Cost




Project information as of 8/19/26.

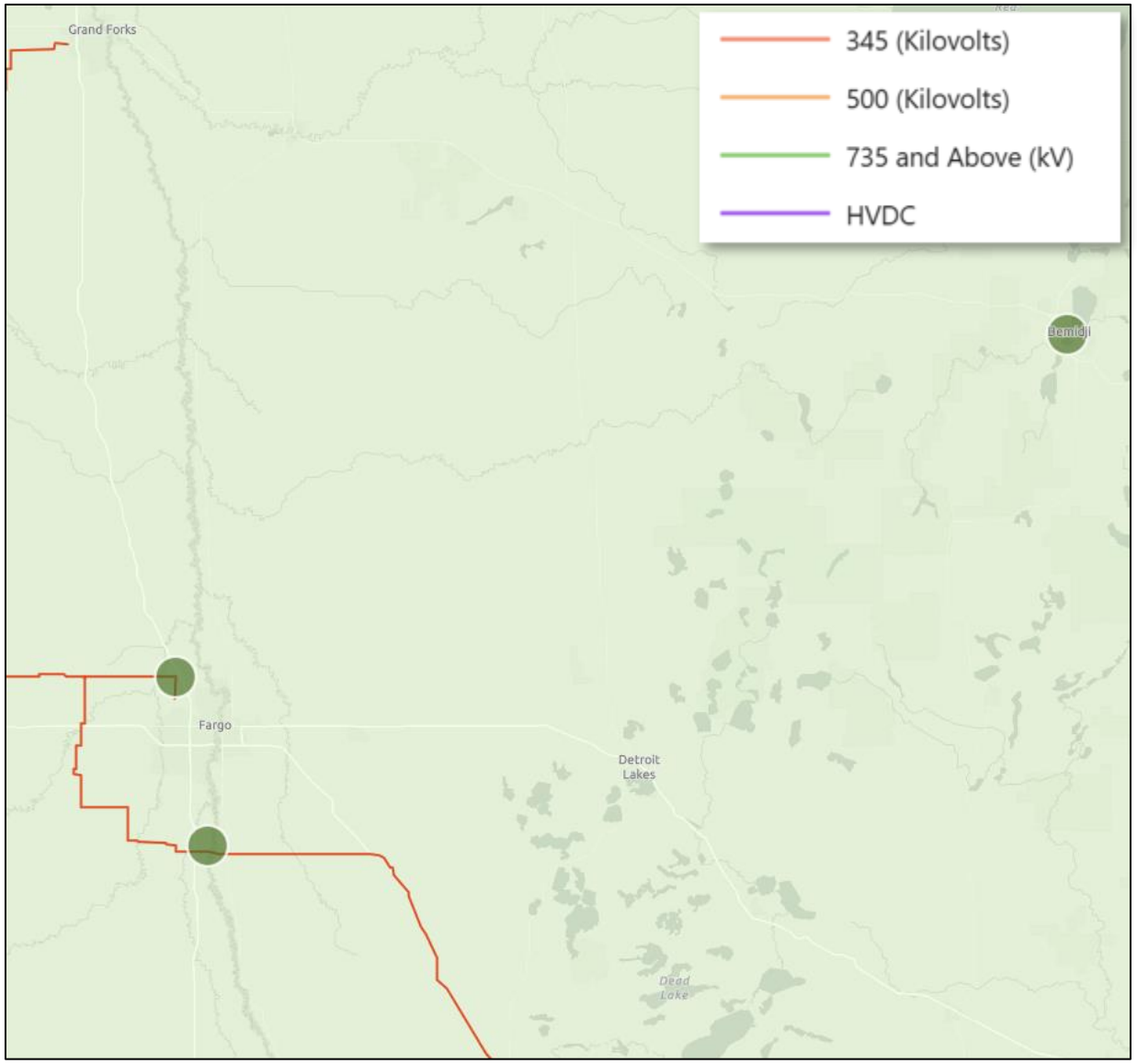
Unlabeled

# MINNKOTA POWER COOPERATIVE, INC MPCN MTEP26 Project Type Breakdown

## MINNKOTA POWER COOPERATIVE, INC MPCN

MTEP26 Summary

| | |
|---|---|
| GIP | 1 |
| BRP | (BLANK) |
| Other | 3 |

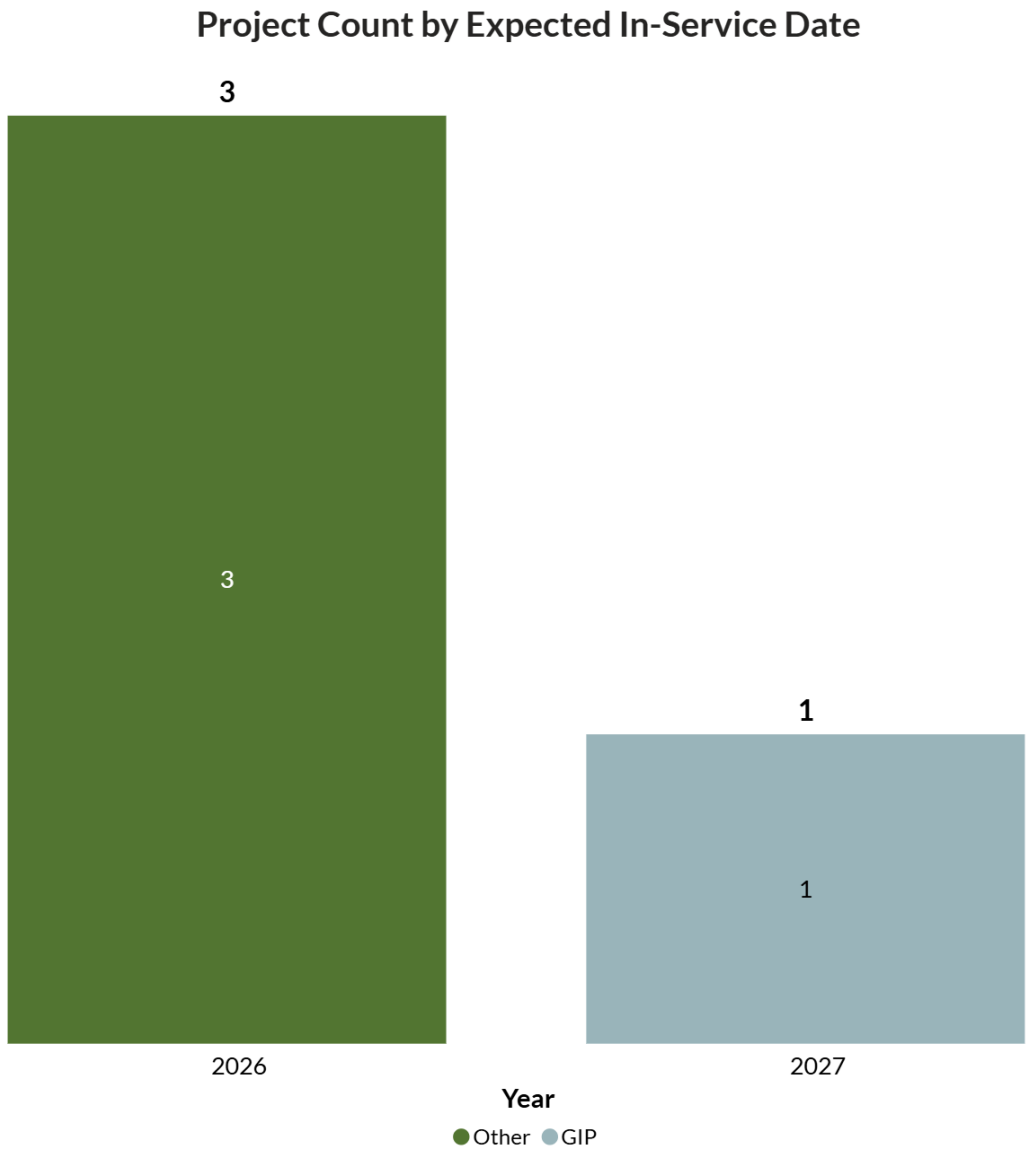



Project information as of 8/19/26.



Unlabeled

# MINNKOTA POWER COOPERATIVE, INC MPCN MTEP26 ISD Breakdown




Project information as of 8/19/26.

# Other Projects

| MTEP Project ID | Project Name | Other Type | Expected ISD | Current Cost |
|---|---|---|---|---|
| 51244 | Agassiz 345kv Substation and Load | Load Growth | 10/15/2026 | $14.0 M |
| 51319 | Bemidji Hospital OTP-Puposky 69kV Line Rebuild | Age and Condition | 08/31/2026 | $5.0 M |
| 51322 | Oxbow 69kV Distribution Substation Rebuild | Local Needs | 07/31/2026 | $5.8 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

# Generator Interconnection Projects (GIPs)

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

# Questions?



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Engineer – Expansion Planning

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# MTEP26 Project Information

## Northern States Power Company (NSP) ; Central Minnesota Municipal Power Agency (CMMPA); Minnesota Municipal Power Agency (MMPA)

West Subregional Planning Meeting (WSPM)

Friday, September 4, 2026

# Purpose & Key Takeaway



## Purpose

Review and discuss recommended MTEP26 projects

## Key Takeaways

- The MTEP Portal was used to gather information and develop SPM materials. All data was pulled on August 19, 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

*Snapshot of MTEP26 Appendix A projects recommended for Board approval*

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

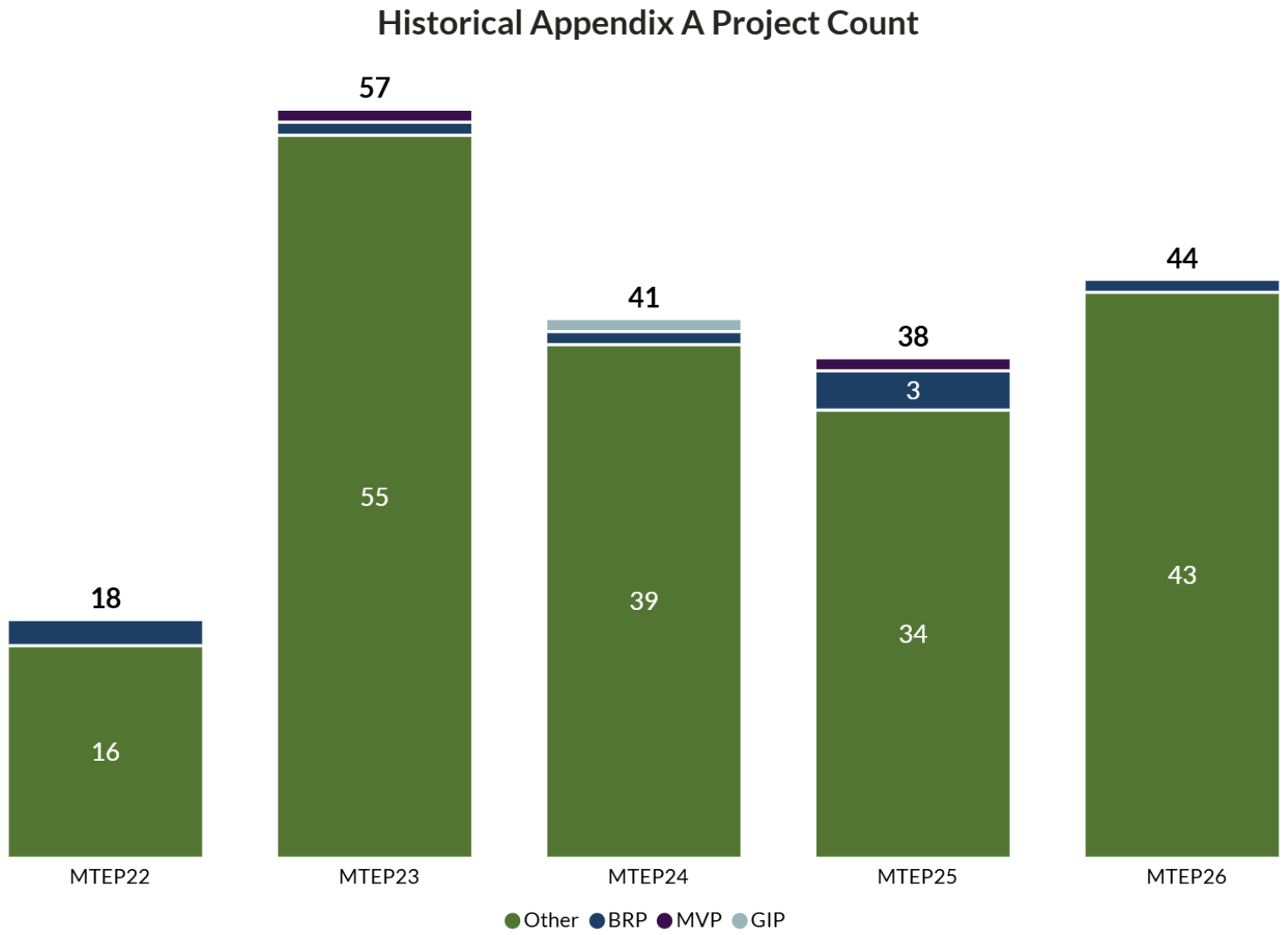
- Northern States Power Company (NSP): 44 submitted projects at an estimated cost of $735 million
- Central Minnesota Municipal Power Agency (CMMPA): 1 submitted projects at an estimated cost of $28 million
- Minnesota Municipal Power Agency (MMPA) did not submit projects for consideration in MTEP26

# Northern States Power Company (NSP)

# Update on Current Cycle Projects since SPM2

| MTEP Project ID | Project Name | Project Type | Project Change |
|---|---|---|---|
| 50827 | Maynard TR1 Replacement | Other – Local Reliability | Project ISD changed from 12/31/2029 to 2/11/2028 |

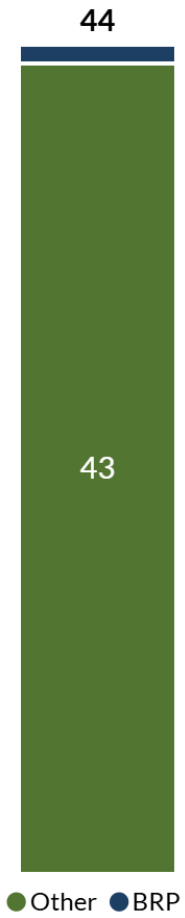
# XEL Historical Appendix A data, including recommended MTEP26




Project information as of 8/19/26.

# NORTHERN STATES POWER COMPANY

## MTEP26 Projects

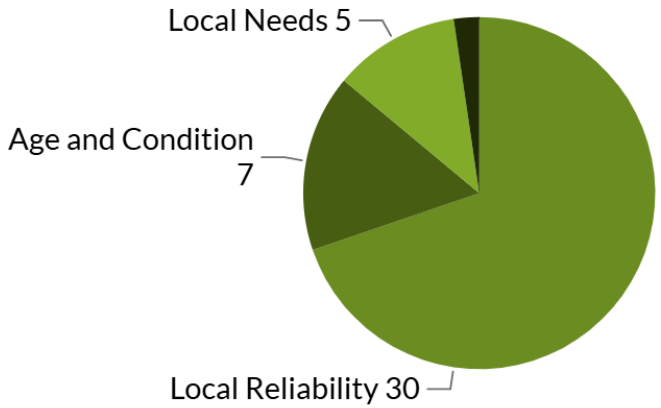



**44**
Total Projects

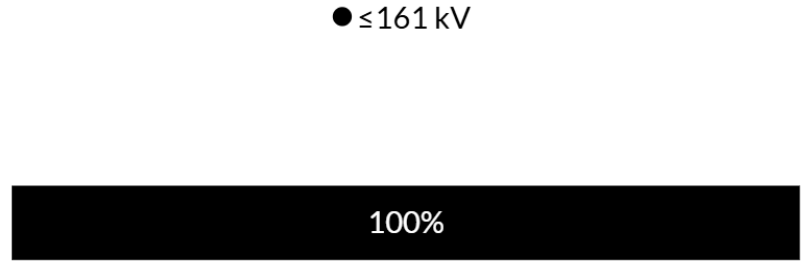
**$735M**
Investment

## Breakdown of Other Project Types

By Project Count

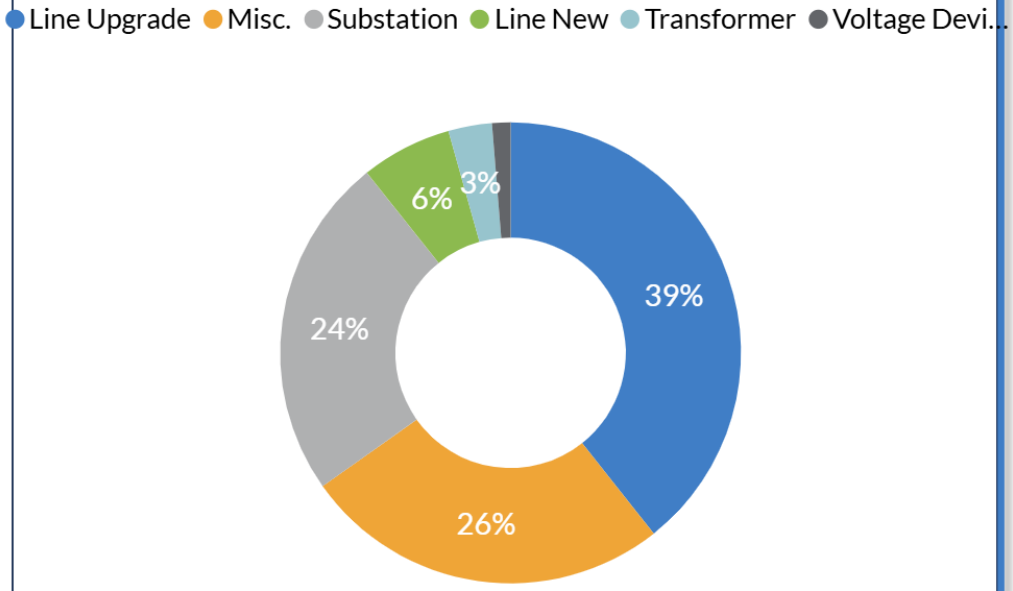



## Line Miles by Voltage Level




## Project Facility Types

As a Percentage of Cost



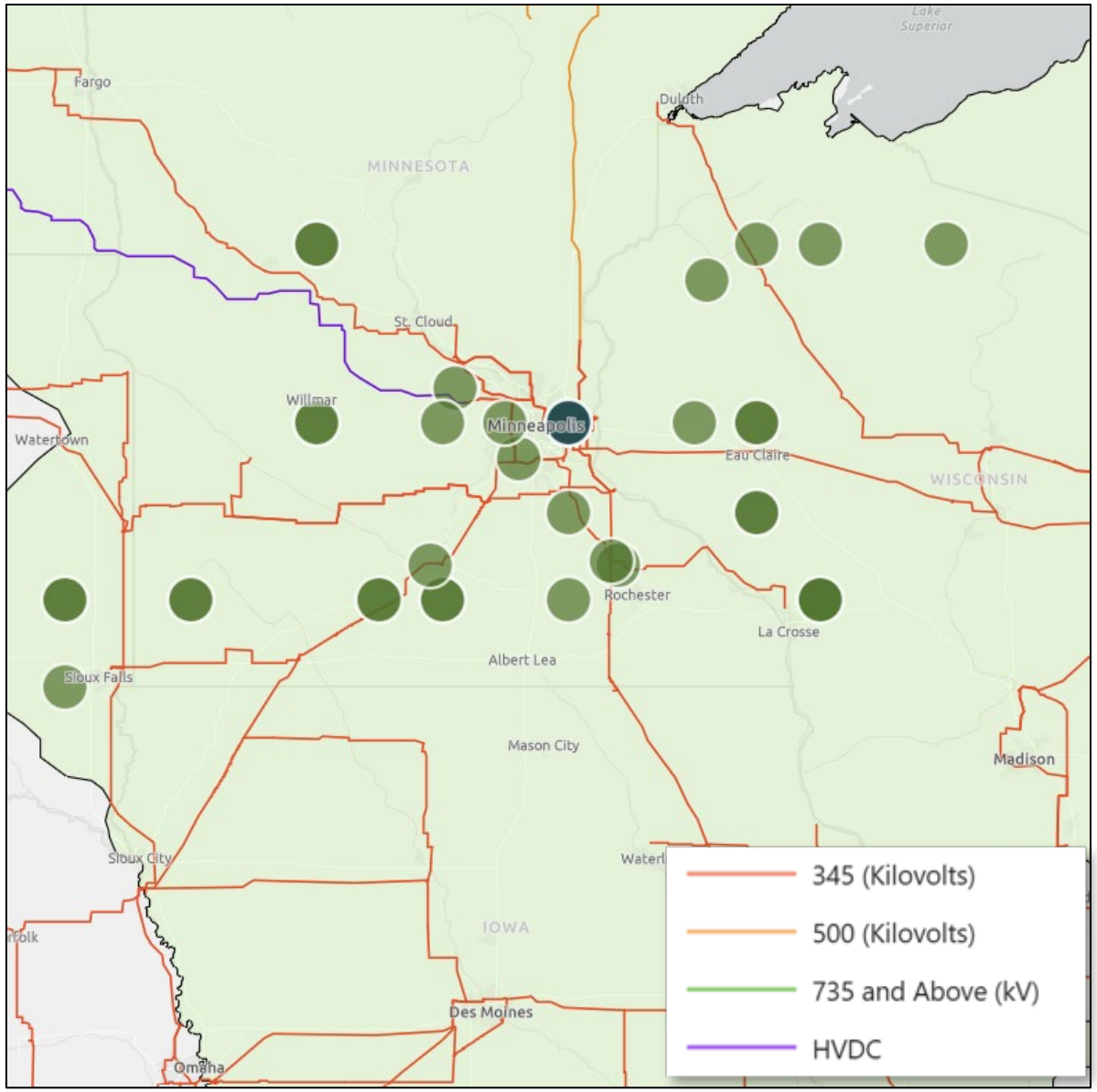

Project information as of 8/19/26.

# XEL MTEP26 Project Type Breakdown

## NORTHERN STATES POWER COMPANY

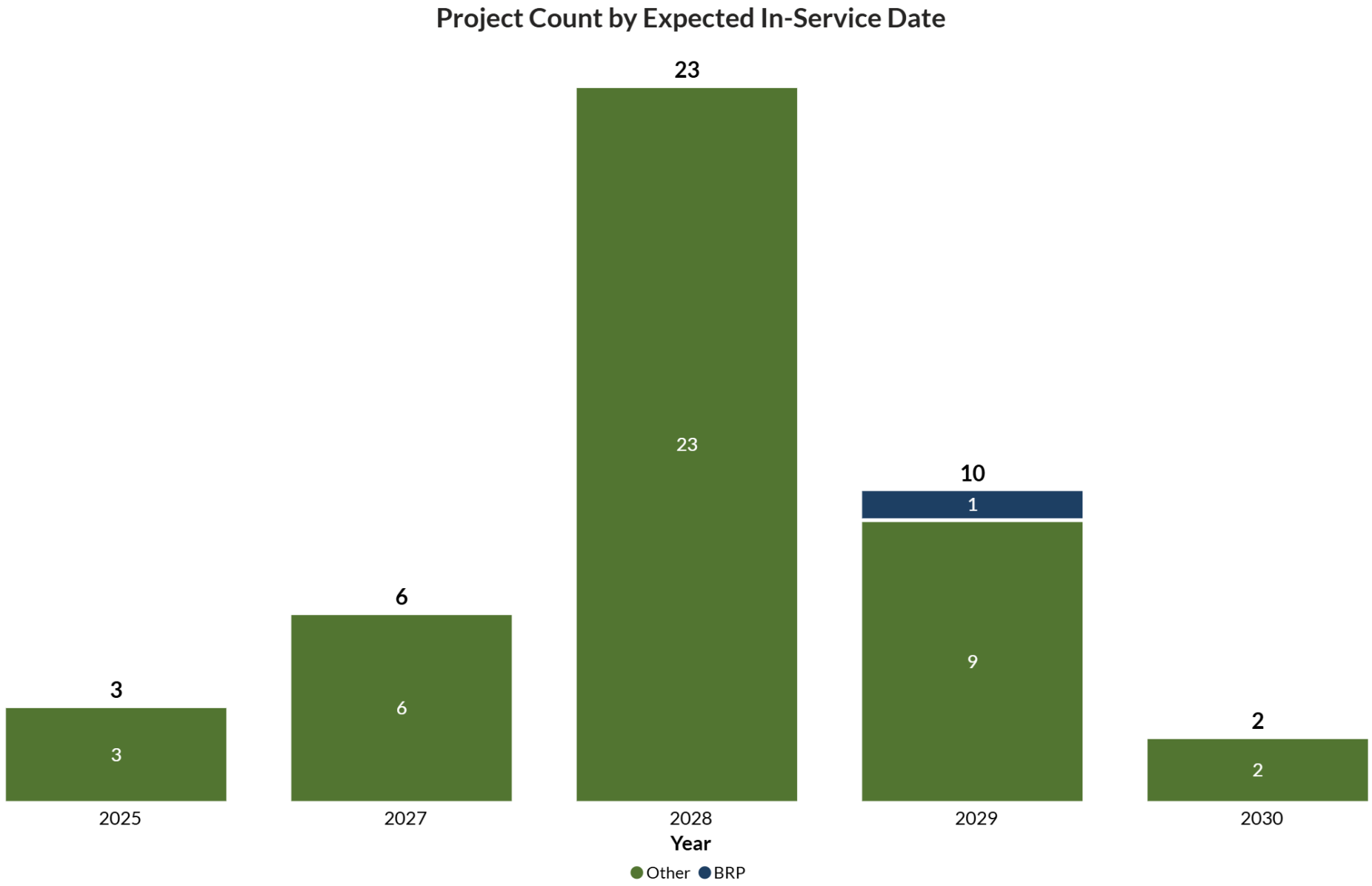
MTEP26 Summary

| | |
|---|---|
| GIP | |
| BRP | 1 |
| Other | 43 |



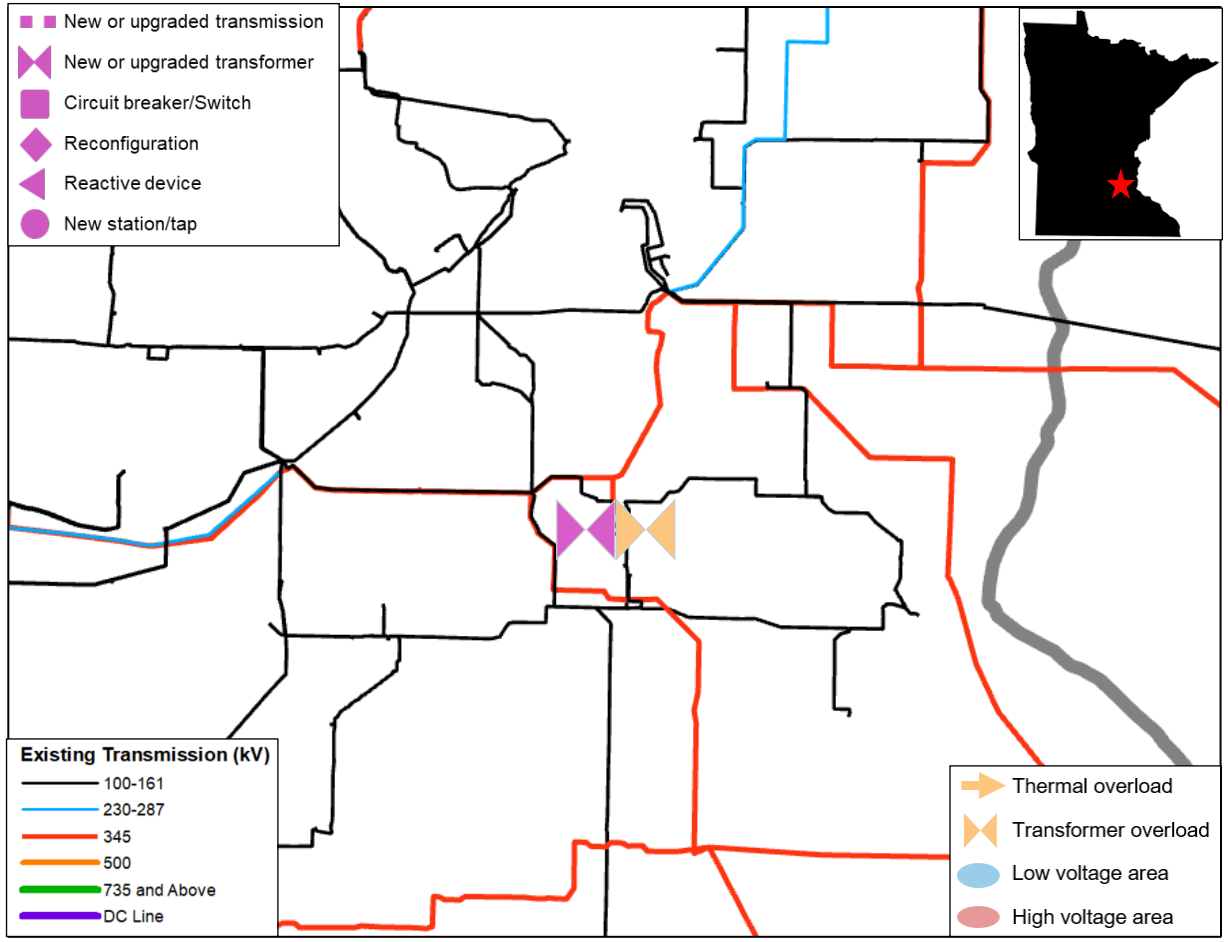

Project information as of 8/19/26.

# XEL MTEP26 ISD Breakdown




Project information as of 8/19/26.

# 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. |
| Current Cost | $15.0 M |
| Expected ISD | 06/01/2029 |
| Target 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 | 02/11/2028 | $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.
**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 |
|---|---|---|---|---|
| 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 |

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 |
|---|---|---|---|---|
| 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 | 05/28/2028 | $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 |
| **51366** | **Project Skyway Large Load** | **Load Growth** | **06/01/2028** | **$79.3 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

# Questions?



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Zheng Zhou
Manager – Expansion Planning

PlanningCoordinator@misoenergy.org

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