



MTEP26 Reliability Planning Scope Overview

2nd South Subregional Planning Meeting (SSPM2)

Wednesday, June 3, 2026

Purpose & Key Takeaway

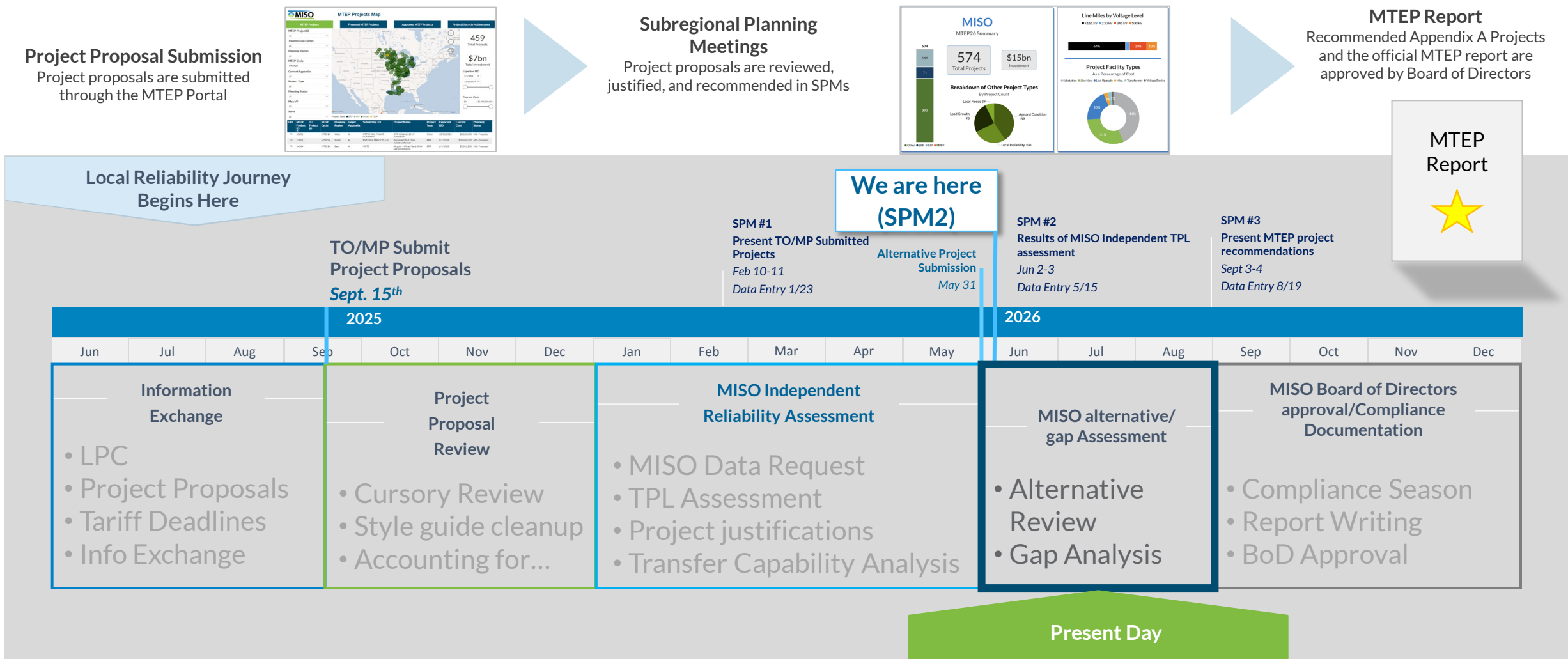
Purpose

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

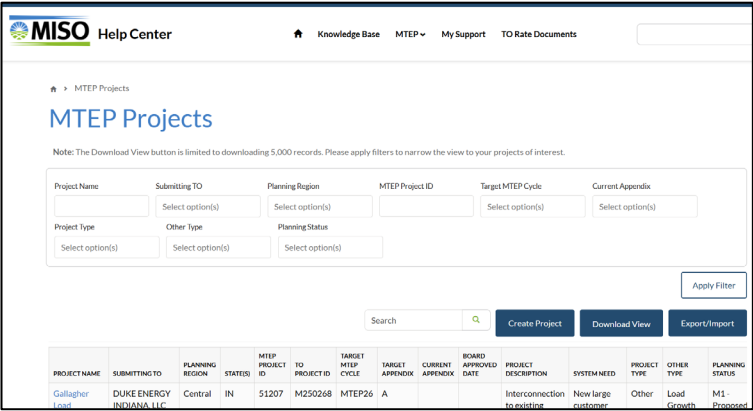
Key Takeaways

- 574 new Appendix A projects are targeted for MTEP26
 - Of those, 98 are proposed in the South 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

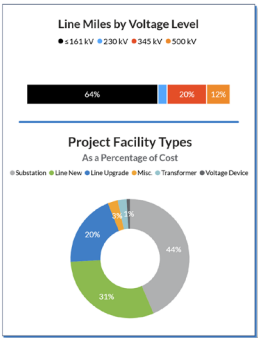
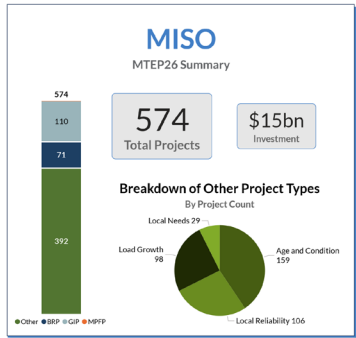
Stakeholder engagement is critical to the planning process and developing MTEPs



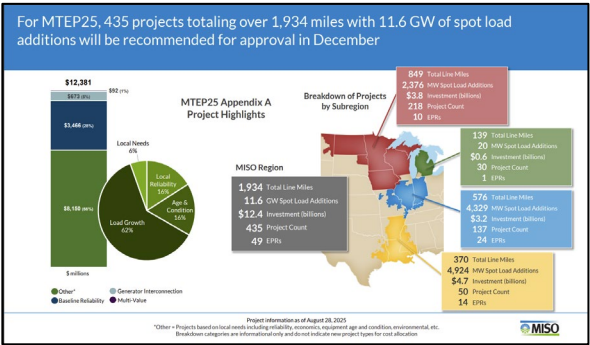
The MTEP Portal houses and drives all data and communication outwardly, reducing the risk of data errors



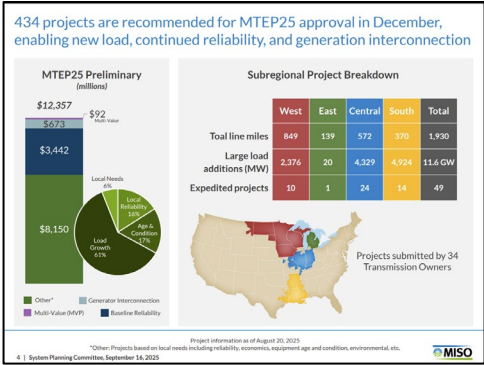
Subregional Planning Meeting (SPM)



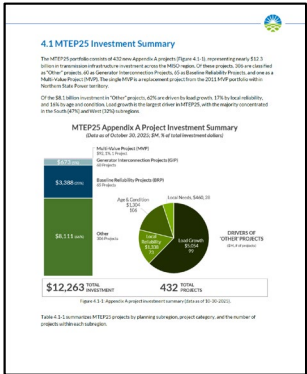
Planning Advisory Committee (PAC)



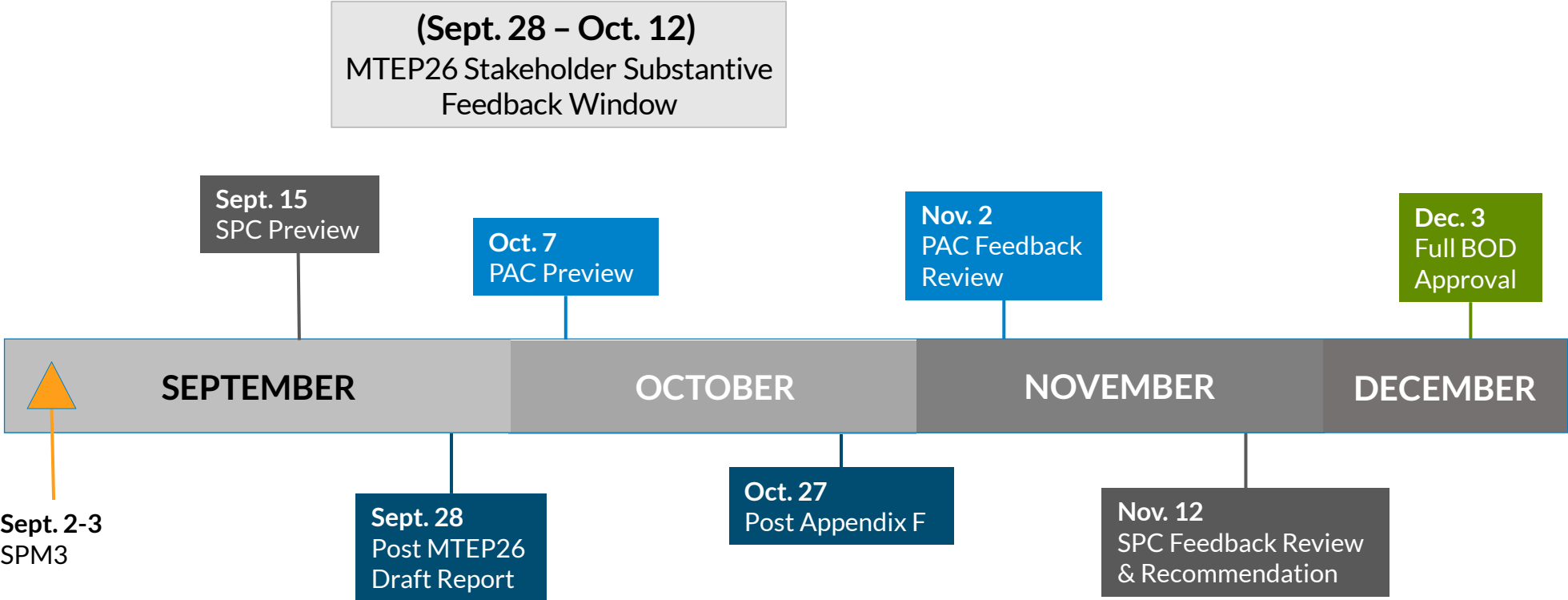
System Planning Committee (SPC)



Official MTEP Report



MTEP26 Report schedule meets the December Board approval deadline

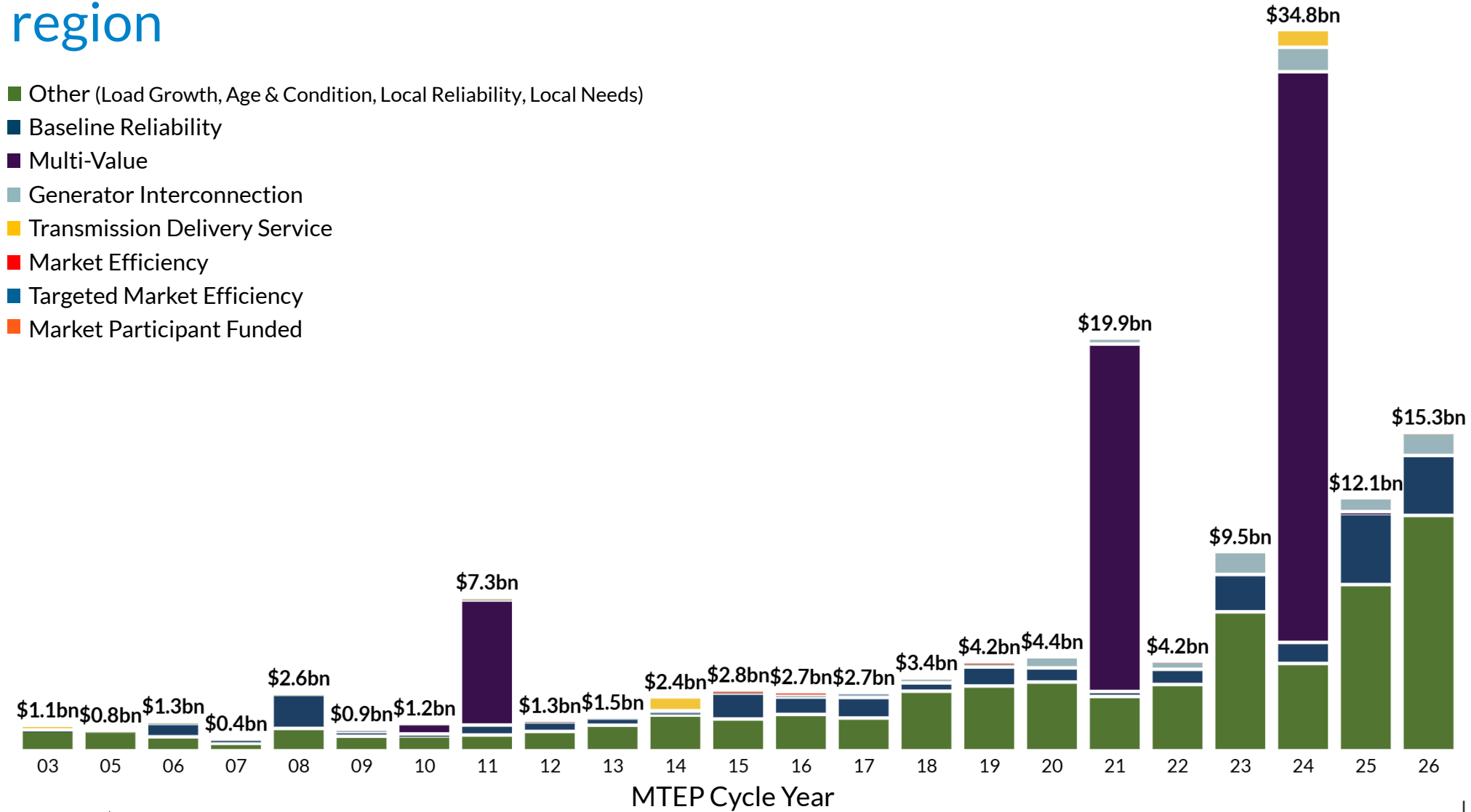


NOTICE

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

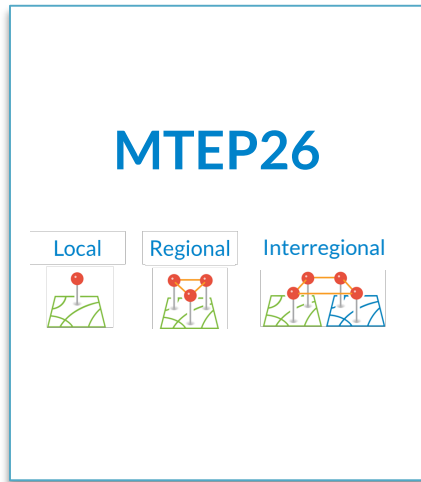
MTEP is the stakeholder-inclusive planning process to build and maintain economic electrical infrastructure and meet reliability standards for the MISO region



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

MTEP26 Overview

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



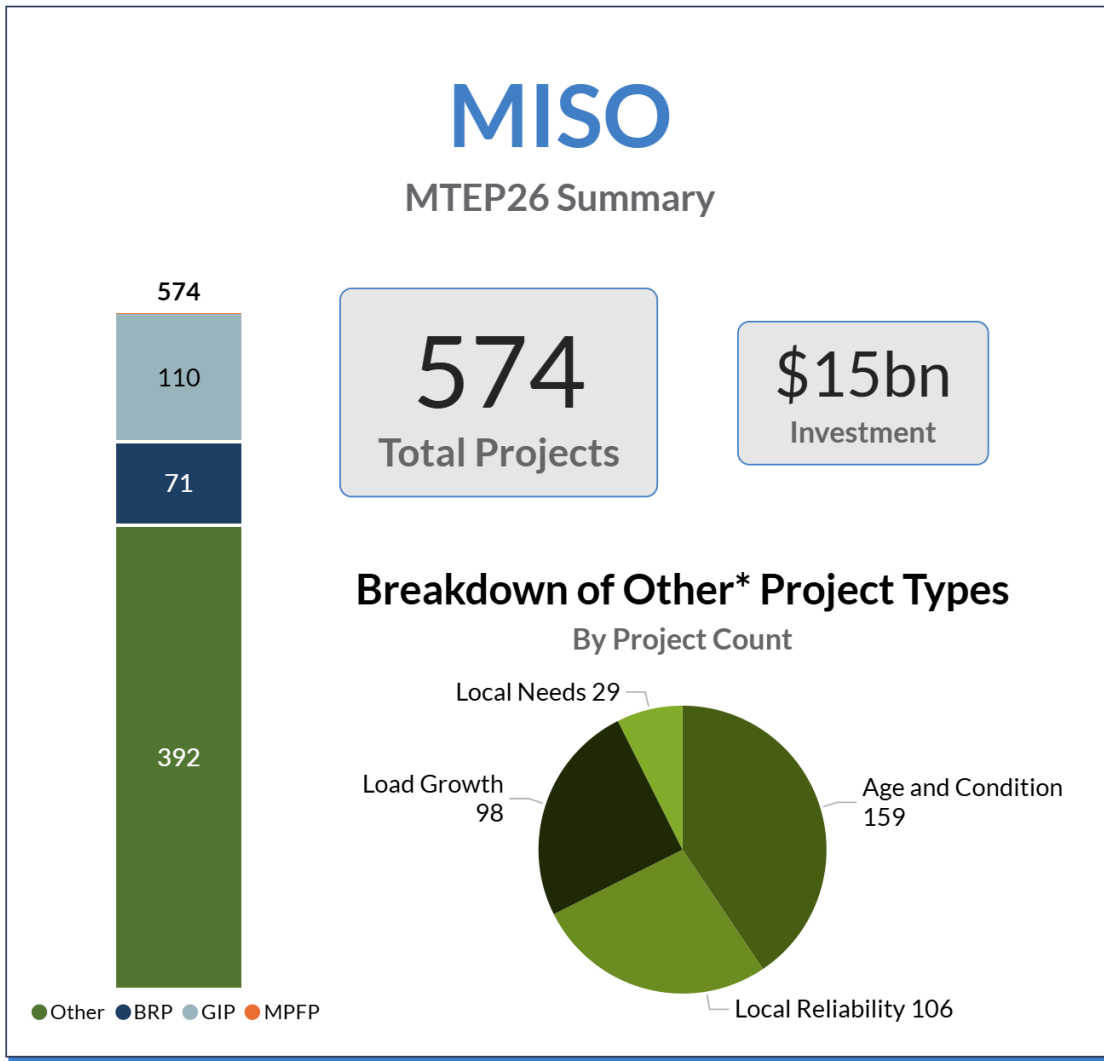
- **Core Reliability Studies**

- 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

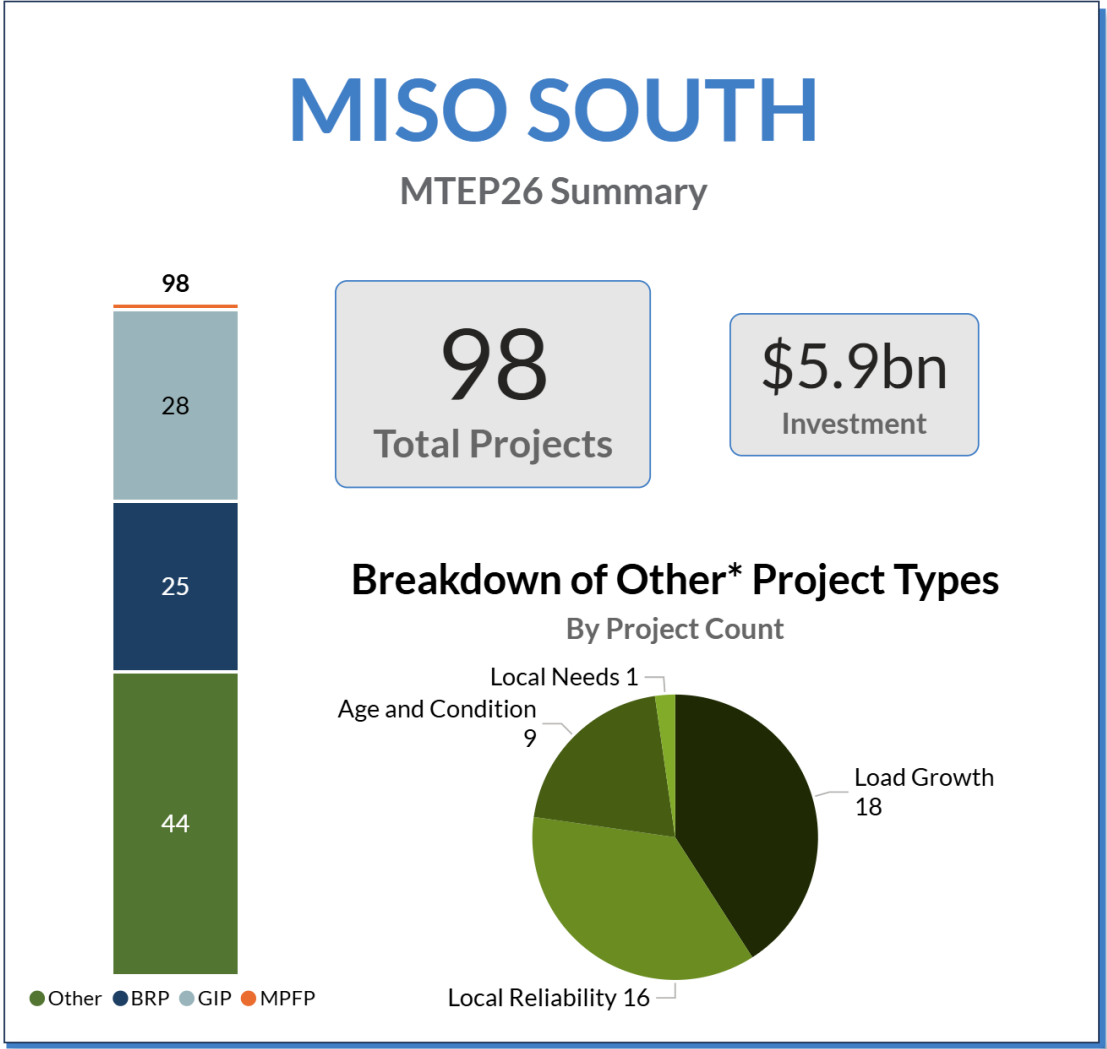
MTEP26 consists of projects driven mainly by load growth



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

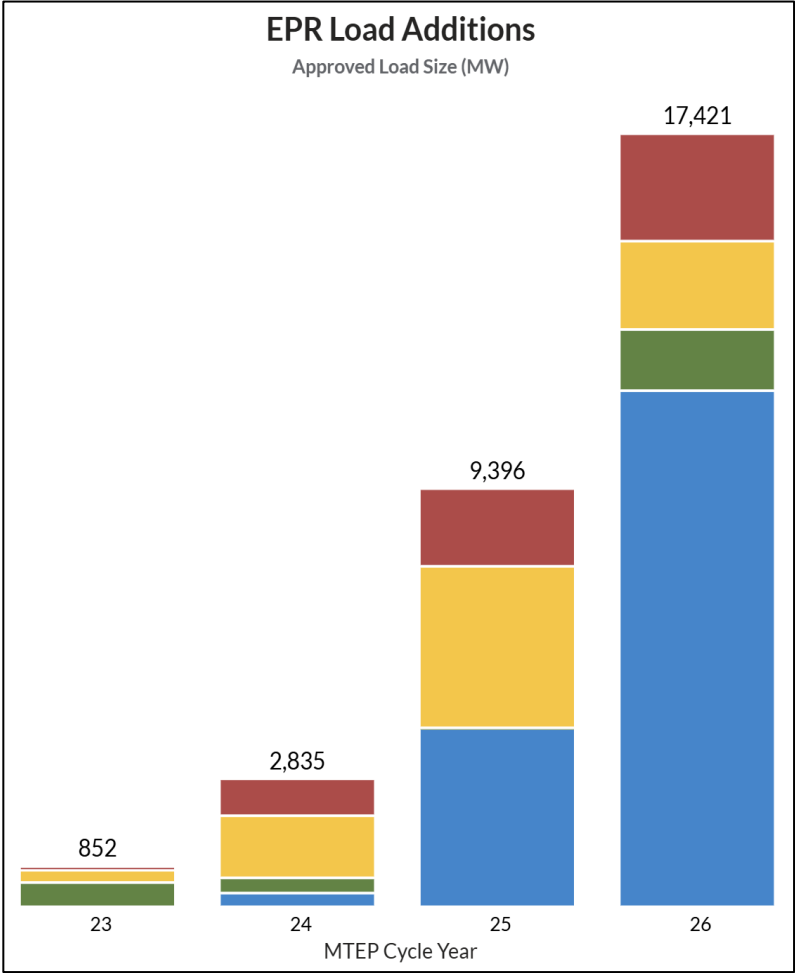
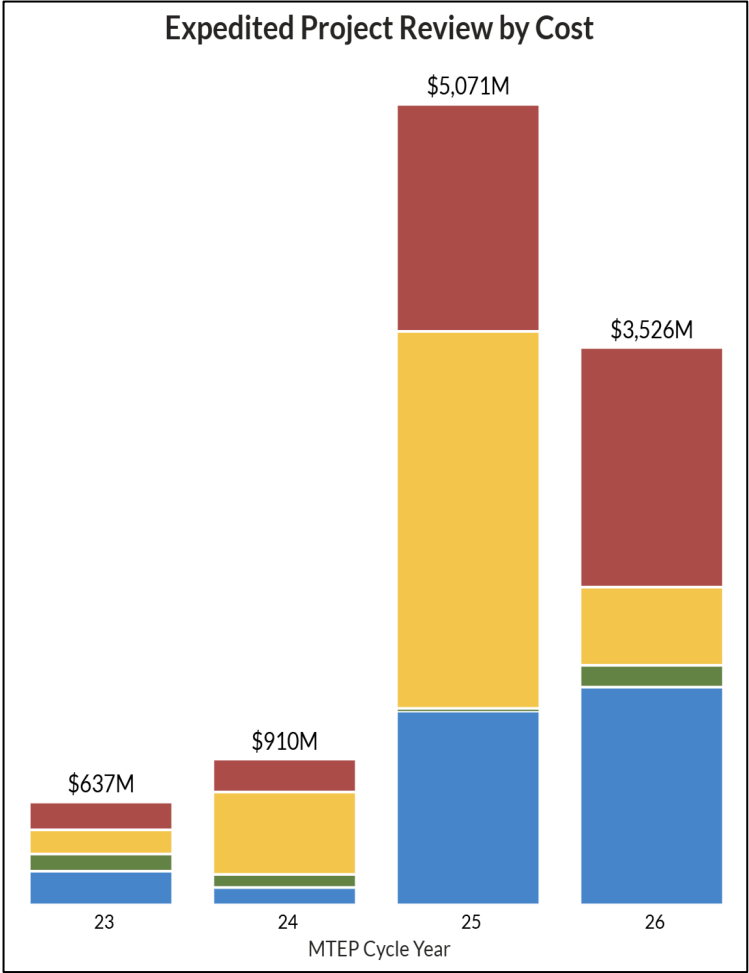
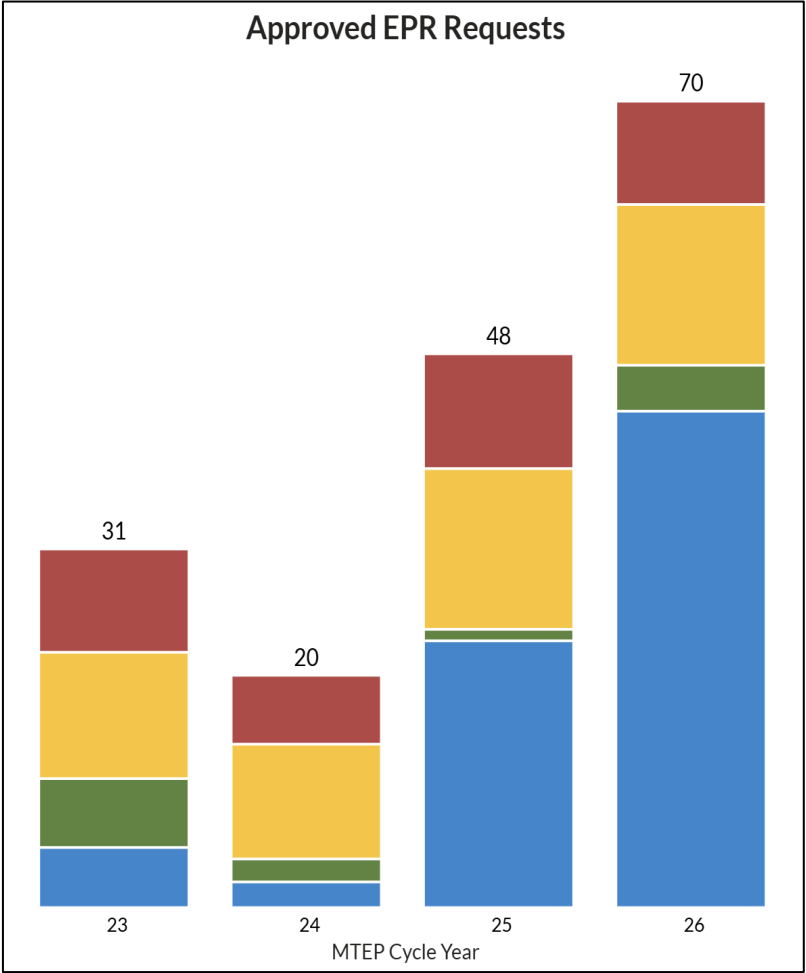
South: Summary of submitted MTEP26 Projects



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 4000 MW of new spot load in the South
- Sharp increase in GIPs in the Arkansas region

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

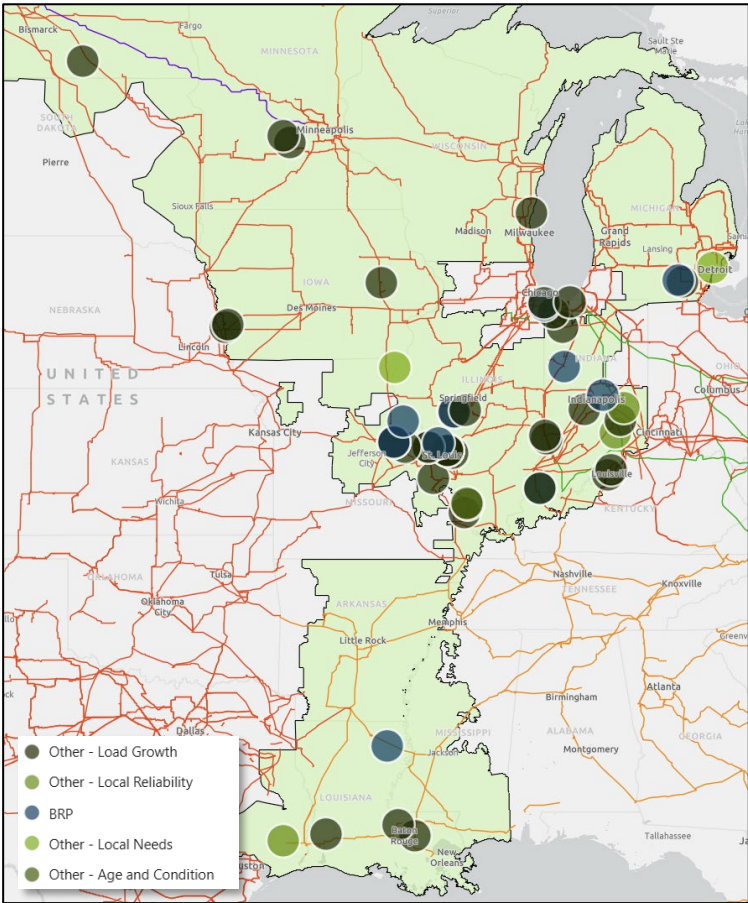


West East Central South

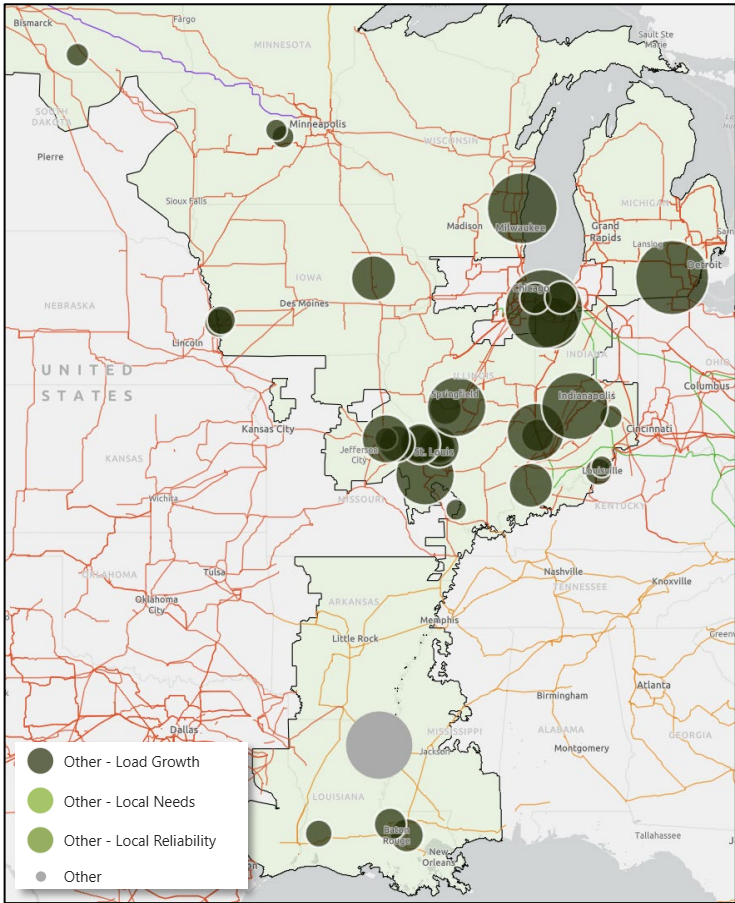
Note: These reflect only approved EPRs as of the May 2026 EPR TSTF meeting; there are additional EPRs still working through the process

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

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

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

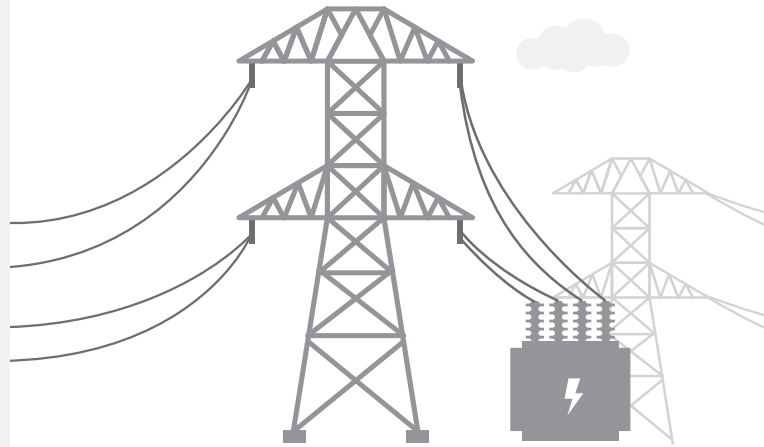


Appendix

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

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

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 • FAC-014 • PRC- 023	• TPL-001-5 • FAC-014 • PRC- 023	• FAC-014 • PRC- 023	• FAC-013 • FAC-014 • PRC- 023	• NUC-001 • PRC-023	

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)