



MTEP24 Reliability Planning Scope Overview

2nd South Subregional Planning Meeting

June 7, 2024

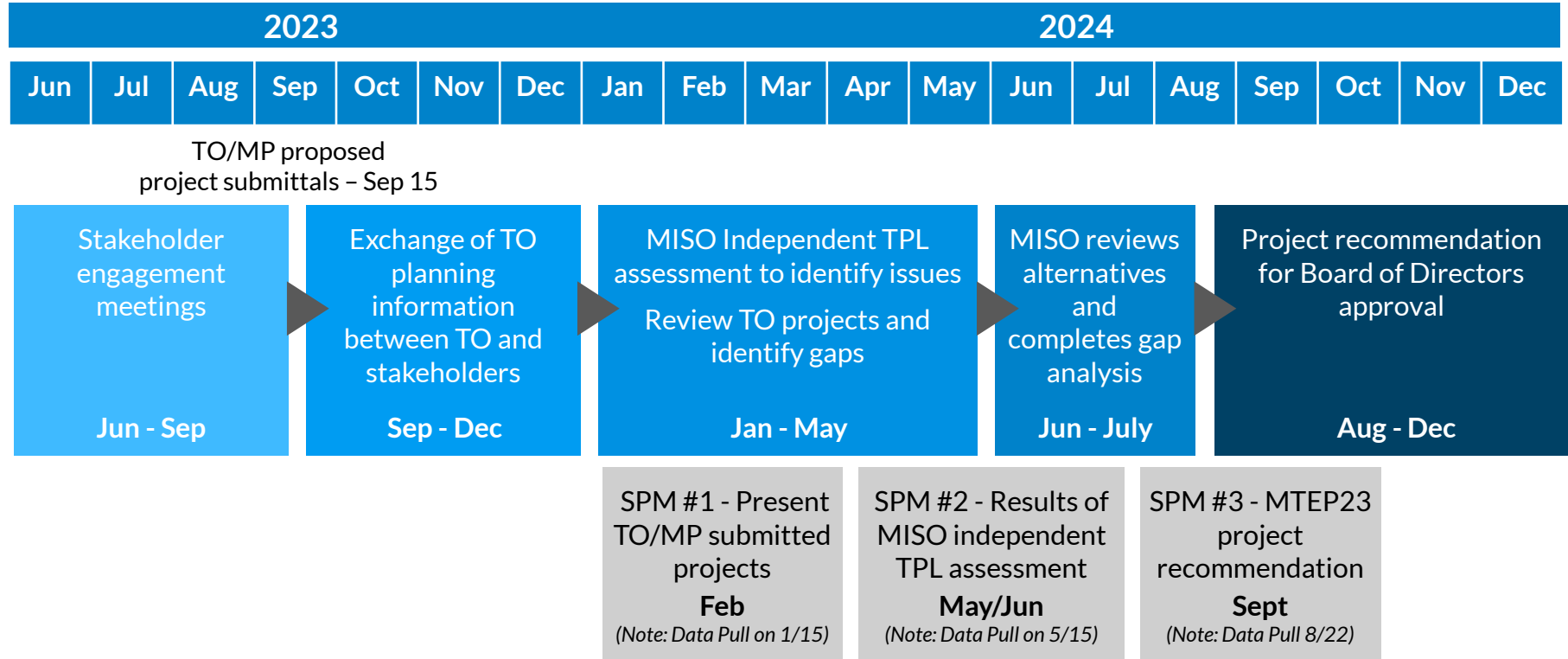
Purpose & Key Takeaways



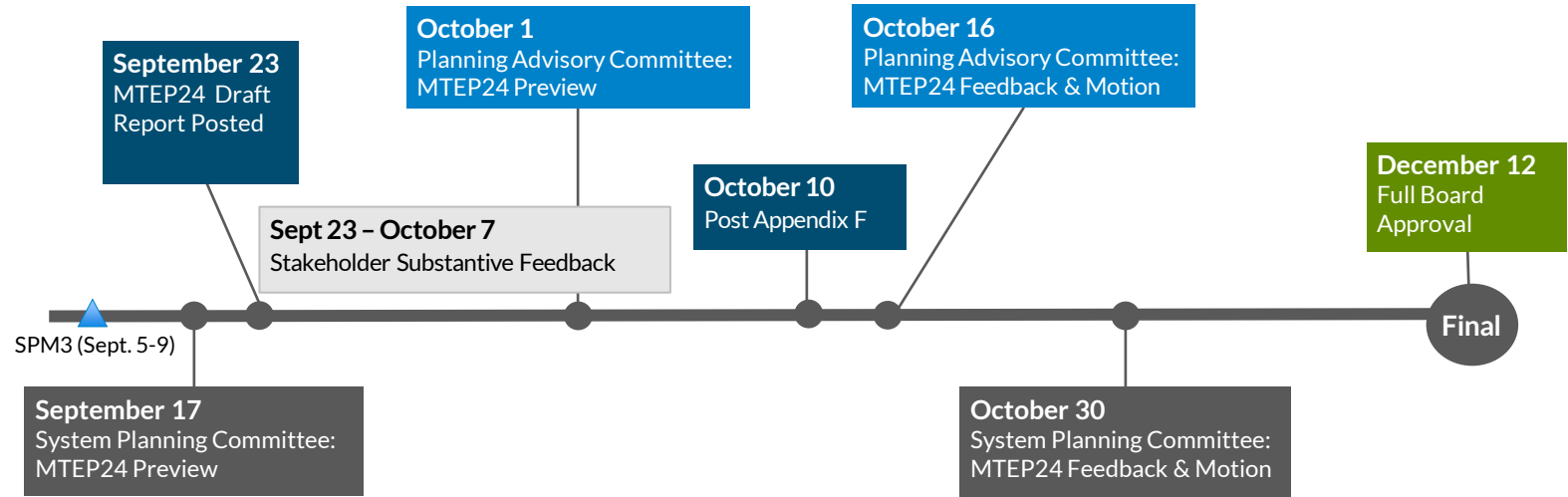
To provide an update on MISO's evaluation of MTEP24 proposed reliability projects

- 471 new projects, at an estimated cost of \$5.8 billion, are targeted for MTEP24 Board of Directors' approval in December
- 62 new projects are proposed in the South region at a cost of \$1.8 billion
- Today's focus is to provide MISO independent reliability assessment results and review effectiveness of TO proposed projects and alternatives
- The [MTEP Portal](#) was used to gather information and develop SPM materials. All data was pulled on May 15, 2024.
- The third Subregional Planning Meeting is scheduled for September to present a final set of projects recommendations for Board approval

Stakeholder engagement is critical to the planning process



While still targeting a December board approval, MISO has developed an updated MTEP24 pathway that better aligns the third Subregional Planning Meetings (SPM3) and the release of the draft MTEP report



NOTICE

August 22, 2024 (COB)

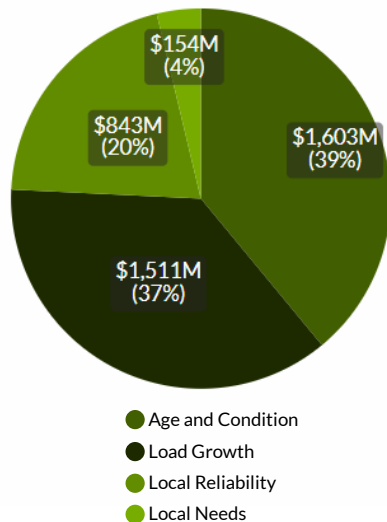
Deadline to Update Project Information in the MTEP Portal in order to be presented at SPM3 AND included in MTEP24 Report

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

471 active Appendix A projects totaling nearly \$5.8B is preliminarily proposed for all of MISO, which is consistent with typical cycles outside of MTEP23



Breakdown of Other Projects by Cost



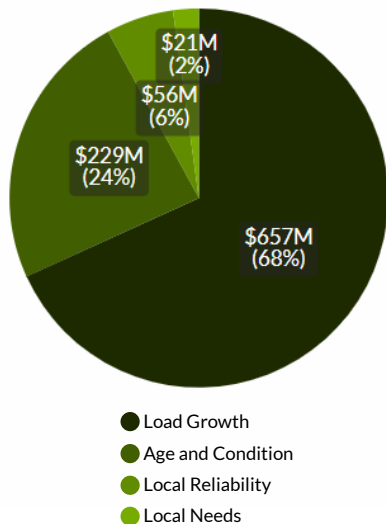
Insights

- The top 10 projects:
 - Account for 24% of the total proposed costs
 - 90% are classified as Other projects
 - 60% are broken-down as Other – Load Growth projects
 - 60% are located in the South

South: Summary of MTEP24 Appendix A Projects



Breakdown of Other Projects by Cost



Insights

- Texas accounts for 42% of the regional costs due to a single MTEP24 project
- 53% of Other – Load Growth projects are located in Mississippi
- Majority of GIPs are for solar projects

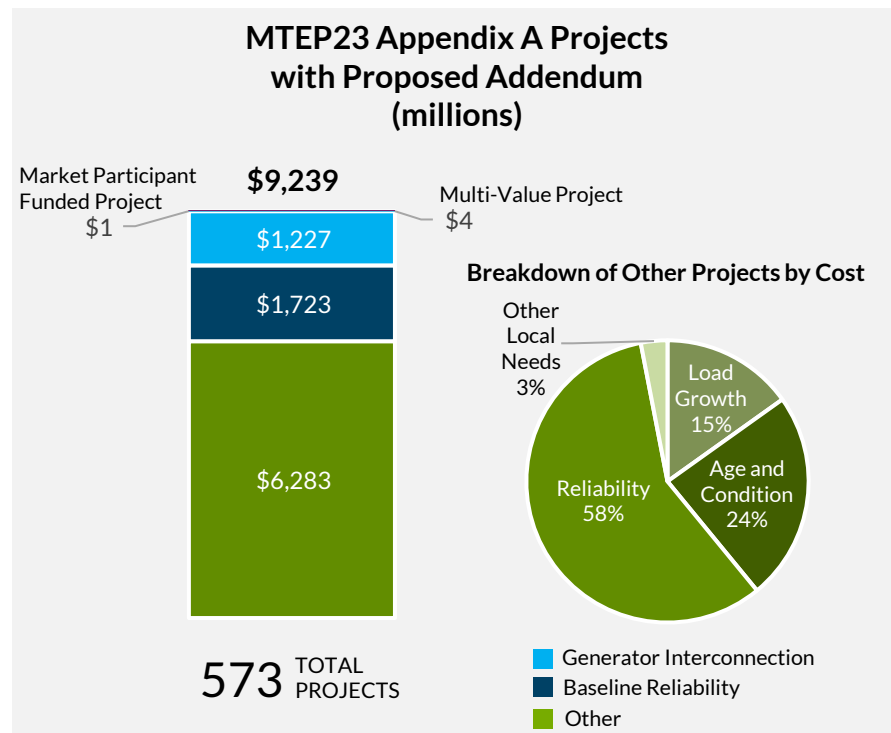
Update to MTEP23 - Addendum

Background

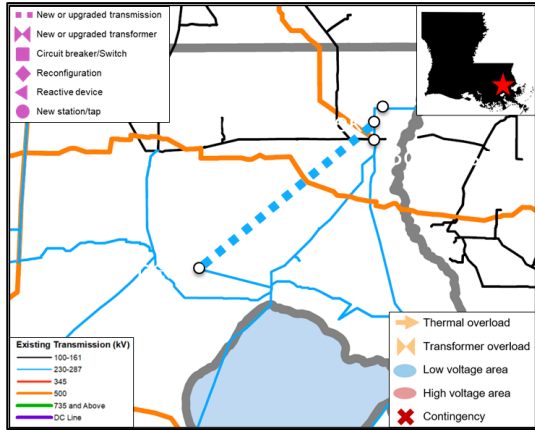
- As mentioned in the MTEP23 Report, one project and its alternatives were still pending further analysis and would seek approval after December 2023.
- MISO has now completed the evaluation

Recommendation

- MISO recommends moving project forward to be approved as an addendum to MTEP23

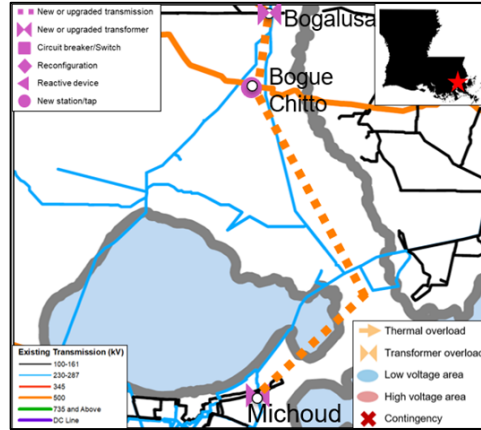


Amite South Reliability Project – Phase 3 230 kV



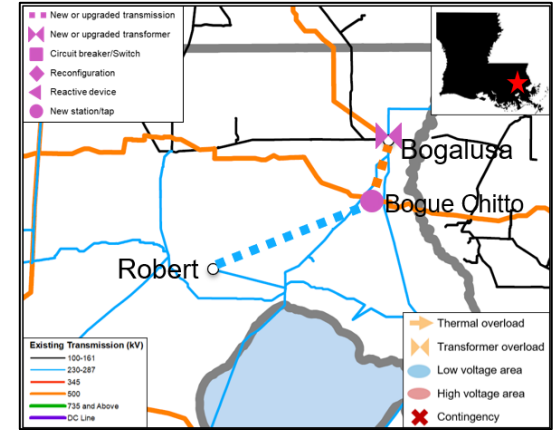
Original Project

- \$260 million
- Other – Reliability Project
- Construct 40-mile 230 kV line from Adams Creek substation to Robert substation ; and additional substation work
- Recommend for approval in MTEP23



Alternative 1

- \$1,125 million
- Provides improved flexibility and reliability
- Not selected due to cost and lack of feasibility to construct



Alternative 2

- \$376 million
- Provides similar reliability performance
- Not selected due to cost



Questions?



Appendix

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)