



# MISO Transmission Expansion Plan 2020 (MTEP20)

System Planning Committee of  
the Board of Directors

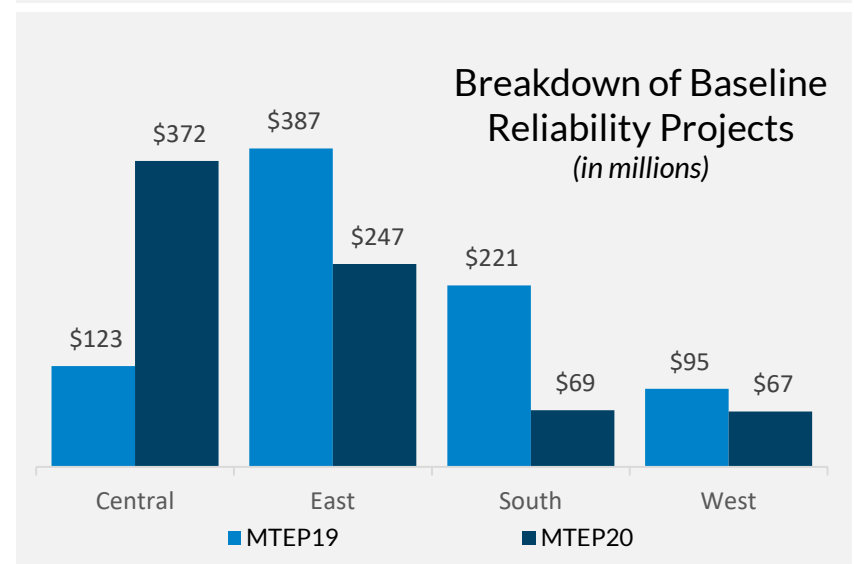
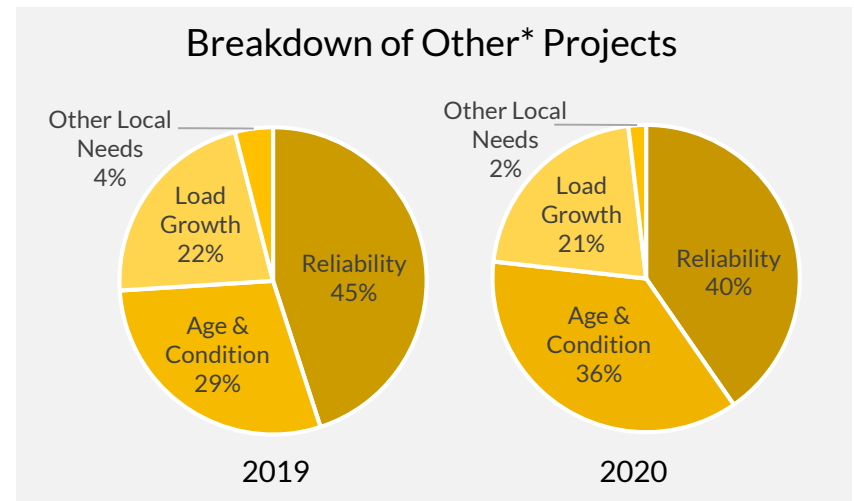
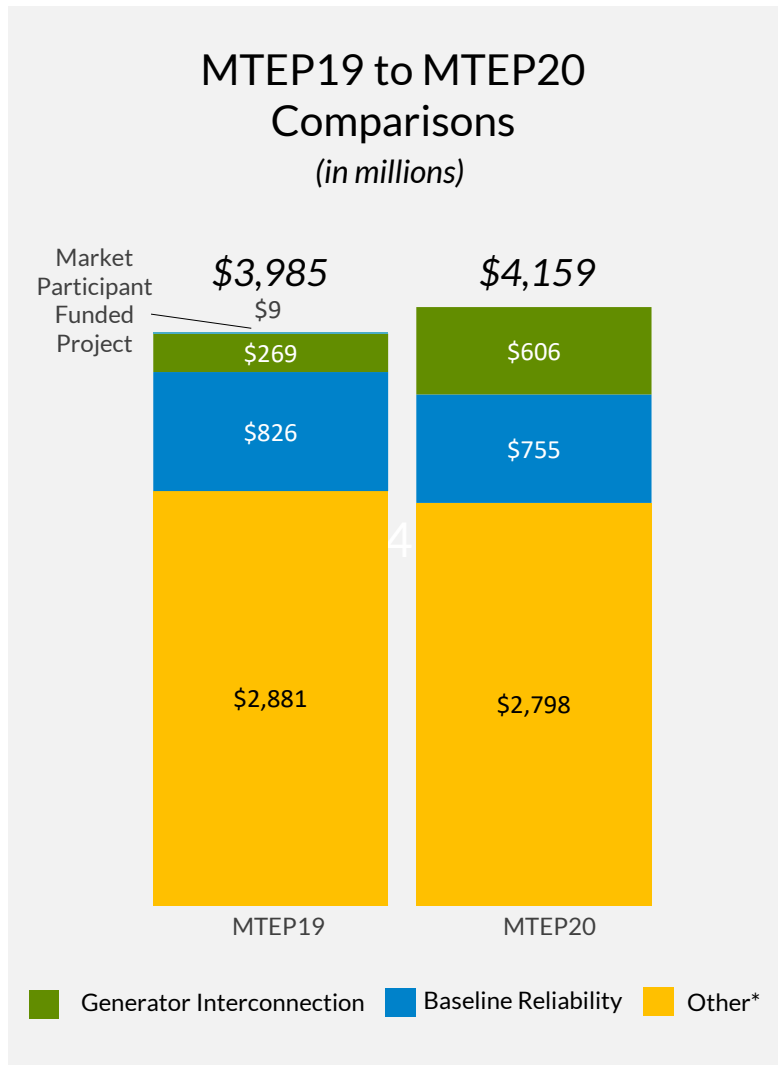
October 26, 2020

# Executive Summary



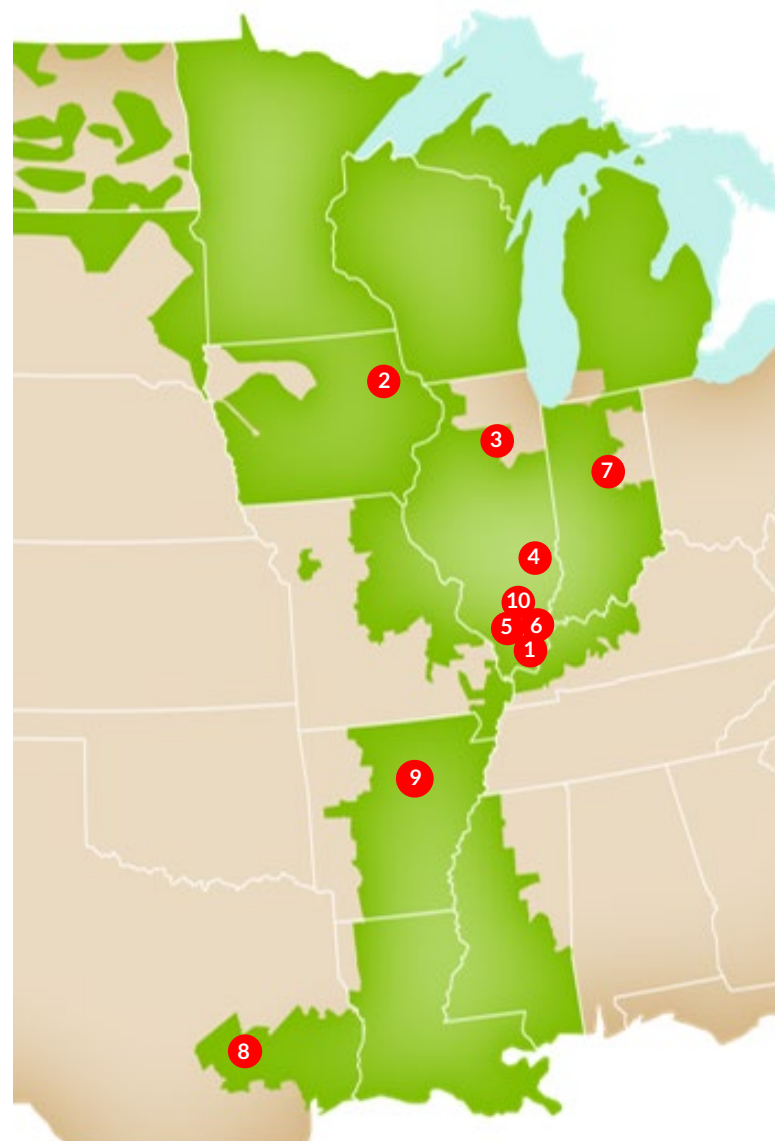
- MISO staff requests that the System Planning Committee recommend approval by the Board of Directors of the Executive Summary and Appendix A of MTEP20, which includes 515 projects valued at \$4 billion of investment
- A majority of sectors in the Planning Advisory Committee have endorsed the report being presented to the Board
- Certain stakeholders provided comments about a prior MTEP project that is being withdrawn

# MTEP20 is focused on reliability



# The proposed top ten projects represent 19% of total MTEP20 costs

Rank	Project	Driver	Cost (Millions)
1	New Massac Substation - Convert Joppa 230 kV Substation to 345 kV Substation	Other - Reliability	\$112
2	Big Cedar Load Interconnection	Other - Load Growth	\$105
3	New LaSalle Area 138 kV Statcom (100 Mvar)	Baseline Reliability	\$91
4	New Robinson 138 kV Statcom (70 Mvar)	Baseline Reliability	\$78
5	Rebuild Grand Tower-Carbondale NW 138 kV line	Other - Age & Condition	\$76
6	Rebuild Albion South-Norris City North 138 kV to Double Circuit	Other - Age & Condition	\$74
7	Upgrade Greentown 765 kV Substation	Other - Age & Condition	\$70
8	Millbend 138 kV: New Distribution Station	Other - Load Growth	\$65
9	Choudrant: New Distribution Substation	Other - Load Growth	\$56
10	New Jordan Substation - Convert West Frankfort 230 kV to 345 kV	Other - Reliability	\$56



## There are two projects of note among the typically small number of MTEP project withdrawals reflected in the full Appendix A

Project	Approval	Reason for withdrawal
Morenci Interconnection 138 kV	MTEP18	FERC and the State regulatory authority determined that the project is a distribution facility rather than a transmission facility under MISO authority
Entergy Louisiana Waterford to Churchill 230 kV Line	MTEP16	Project was part of a multi-phase economic initiative  Separately planned upgrades for reliability and generator interconnection with lower costs were found to address the same congestion issues, reducing the value of this project

# Stakeholder Comments

## Substantive stakeholder comments were provided for a withdrawn MTEP16 project and the overall process to address withdrawn projects

- **Project:**

- Entergy LA Waterford to Churchill 230 kV Line project was withdrawn because benefit-to-cost ratio declined to 0.2
- MTEP16 “Other” economic project with cost recovery in the local pricing zone versus regionally cost shared

- **Comments:**

- Impact of the withdrawal on subsequent MTEP approvals
- The process and transparency of monitoring and recommending withdrawal of approved projects
- Short time frame provided for stakeholder comments

### MISO Response:

- MISO adhered to tariff requirements in addressing the project
- An additional Technical Study Task Force in October provided an opportunity for further discussion of stakeholder concerns

## Stakeholders provided additional comments largely focused on process improvements and planning initiatives

### Summary of comments:

- There's a need for integrated plans across different drivers
- Long Range Transmission Planning is urgently needed to address MISO members' resource transition goals
- The large portion of "Other" should be more affirmatively defined in the tariff

### MISO Response:

- The Coordinated Planning Process Task Team (CPPTT) is working with stakeholders to better align planning
- Long Range Transmission Planning (LRTP) is developing a comprehensive plan based on the Futures and MISO member expectations
- MISO will consider all suggestions when updating the MTEP report for the next posting cycle



## Planning Advisory Committee Sector members voted to approve the following motion in September

“The Planning Advisory Committee (PAC) sectors have reviewed and discussed the draft MTEP20 report that MISO will send to the Advisory Committee (AC) and MISO Board of Directors (Board) for approval in December. The PAC sectors have provided written comments and suggestions for improvement of MISO’s planning activities to be included in future planning processes. The PAC recommends that the MTEP20 report proceed to the System Planning Committee of the Board of Directors for consideration.”

8 votes in favor, 0 votes opposed, 2 abstentions

# Motion to Recommend Approval of MTEP20

## MISO staff requests a recommendation of approval by the System Planning Committee

“The System Planning Committee recommends to the Board that it approve MTEP20, including all projects listed in Appendix A and the Executive Summary.”