# Transmission Expansion Plan 2010

Each year, MISO and its members report the outcome of annual planning cycles to the MISO Board of Directors, resulting in an annual Midwest ISO Transmission Expansion Planning Report (MTEP) report. To review report findings or to get up-to-date statuses on active projects from current and past planning cycles, download:

The full MTEP 2010 report (pdf)

## 2010 Report Sections

- **1.0 Executive Summary**
  Get a summary of the MISO Transmission Expansion Plan (MTEP), including information about transmission investments, cos allocation, system reliability and impacts of policy changes.
- **2.0 Overview**
  The Overview defines planned and proposed transmission projects, cost allocation, and the economic benefits of transmission projects. You'll also find an overview of the MISO's planning regions and membership.
- **3.0 MTEP09 Status**
  Get an update on the implementation of projects approved by the Board of Directors at the end of the previous MTEP cycle.
- **4.0 Planning Approach**
  Learn about our comprehensive expansion planning process designed to meet reliability and expansion planning needs while also adhering to the planning principals in FERC Order 890.
- **5.0 System Information**
  Get statistics on the existing transmission system under MISO functional control, including transmission lines, substations, generating plants and transformers. Also, find comparisons and analyses of the current supply and demand with forecasted lo and generation.
- **6.0 Near and Long-term Reliability Analysis**
  See a list of transmission projects that were recommended for inclusion into Appendix A. Projects in Appendix A are fully analyzed by the MISO, approved by the Board of Directors, and may have a variety of reliability, economic, or public policy standard drivers. Also, find descriptions of reliability analyses performed and their associated mitigation plans.
- **7.0 Long-range Projects**
  Get a summary of the MISO value-based planning process, which helps to show a fully integrated view of project value, including reliability, market efficiency, public policy and other value drivers across all planning horizons. Also, find descriptions the future policy scenarios that drive this analysis.
- **8.0 Market Efficiency Analysis**
  Learn about MISO's improved and continually evolving congestion analysis efforts, including Top Congested Flowgate Studies
- **9.0 Regional Energy Policy-driven Transmission Studies**
  Get a summary of the MISO's efforts to evaluate the impacts of new policies and emerging technologies. This section includes summaries of wind integration, carbon impacts, and demand response.
- **10.0 Commonly Used Acronyms**
  Find a list of commonly used acronyms and their meanings.

## Appendices

MTEP appendices provide tables of information showing projects in their various states of review, consideration and implementation.

Appendix A

These projects have been or are expected to be approved by the MISO Board of Directors, requiring Transmission Owners to make a good-faith effort at completing them.

Appendix A-1, A-2 and A-3: Cost Allocation

See how approved and eligible project costs get allocated by pricing zone and among project funders.

Appendix B

The projects on this list include potential solutions to identified transmission issues. MISO staff members have reviewed the projects and determined that they effectively address one or more transmission issues. Projects in Appendix B will be presented to the MISO Board who will consider adding them to Appendix A.

Appendix C

Projects listed in Appendix C offer new planning proposals or conceptual solutions to un-established needs. After further analyst and consideration, they have potential for moving to Appendix B. Appendix C may also contain multiple alternative solutions to a transmission issue.

Appendix D

Learn about project justification and see modeling documentation. Non-public portions of this Appendix are posted on the MTEP FTP site.

Appendix E.1: Reliability and Value-based Planning Methodology

Learn about the study process used to assess system reliability against NERC's Transmission Planning (TPL) standards.

Appendix F

See more details on our value based study methodology and PowerBase case development. Also, see additional robustness testing results.

Appendix G

Find more information on our congestion based studies. This includes additional data on historical congestion, the MISO Top Congested Flowgate Study, and the Cross Border Congested Flowgate Study.

Appendix H

This Appendix serves as a record of the substantive comments received from our stakeholders on the MTEP report. These comments were reviewed and applied as appropriate to improve the final MTEP10 report document and the MTEP study processes.