Organization of MISO States (OMS)
Transmission Planning and Resources Work Groups
HVDC Impact Assessment White Paper
Submitted on January 20, 2026

Materials:

- White Paper
- Presentation
- Workshop Recording

MISO requested feedback on the recommendations and priorities reflected in the HVDC Impact Assessment by January 20, 2026:

- Considering the recommendations for each workstream, which HVDC Impact Assessment recommendation(s) are the most important to your organization and why?
- Considering the recommendations for each workstream, which HVDC Impact Assessment recommendation(s) are the least important to your organization and why?
- Are there any important recommendations missing from MISO's list? Please detail how your recommendation supports reliability, reduces cost, or is otherwise beneficial.
- Are there any recommendations that need clarification? Include questions.

Responses to feedback will be shared through the feedback tool by February 6, 2026.

The OMS Transmission Planning and Resources Work Groups (OMS Work Groups) provide this feedback to MISO on its HVDC impact assessment. **This feedback is from OMS work groups and does not represent a position of the OMS Board of Directors.**

HVDC Roadmap

The OMS Work Groups appreciate MISO's recognition of the diverse stakeholder interest in reliably integrating HVDC technology into MISO's markets, operations, and transmission planning processes. The HVDC Impact Assessment presents MISO's comprehensive research to date and prioritized recommendations as well as a willingness to adapt those priorities based on stakeholder interest and needs. To ensure the various efforts presented in the Impact Assessment are transparent and trackable, the OMS Work Groups request that MISO provide a clear timeline for the identified tasks. Specifically, we would like to see a formal HVDC Roadmap, modeled after the existing Market Roadmap, to provide stakeholders with a predictable path forward.

Elevating Resource Adequacy Initiatives

The OMS Work Groups identified resource adequacy as a primary workstream for 2026. MISO and stakeholders should explore the distinct advantages inherent to HVDC transmission without limiting or precluding any future alternative resource adequacy enhancements. While we do not have sufficient information to provide detailed answers to every question presented, we strongly support the continuation of this work at the stakeholder level. We look forward to reviewing and commenting on specific frameworks and proposals as they are developed.

Intra-Regional Market & Operation Processes

Currently, the assessment places the highest priority on merchant and external HVDC. However, we believe it would be more beneficial to prioritize intra-regional market and operations processes immediately - or at least in parallel with merchant and external HVDC efforts. We recommend elevating this topic to "High Priority" and removing the conditional phrasing "As HVDC penetration increases" as integration efforts should begin now.

Leveraging Existing Technology

From an operations standpoint, the OMS Work Groups recommend that MISO and stakeholders would benefit from making more effective use of existing intra-MISO HVDC lines. We suggest that MISO select one or two specific use cases to guide future work, with a primary focus on integrating current infrastructure into real-time dispatch and leveraging its contribution to system reliability. Using existing lines – particularly those utilizing Voltage Source Converters – as pilot projects will allow MISO to work through technical challenges before the next generation of HVDC lines is constructed. This approach ensures that the "Market and Operations" processes are mature enough to handle increased penetration in the future.

Transmission Planning Considerations

Finally, we suggest elevating test modeling and simulation capabilities from medium to high priority. This should include not only PROMOD but also other critical classes of tools, such as stability analysis. Improving these simulation tools is a critical enabler for subsequent HVDC integration; without accurate modeling, the other goals cannot be fully realized.

Conclusion

Consistent with OMS's 2026 Strategic Priorities, we look forward to continued engagement on the myriad issues presented in the HVDC Impact Assessment to ensure customers are getting the most value out of existing and emerging technologies.