



Attachment GGG Improvements (PAC-2024-6)

Interconnection Process Working Group

April 22, 2025

Purpose and Key Takeaways



Purpose: Introduce outline of new MHVDC Connection Procedure Business Practice Manual

Key Takeaways:

- Creation of a new BPM is the first step in the Attachment GGG Improvement effort
- Initial BPM version will focus on existing practice and reflect current Att. GGG rules and procedures
- Future versions will include process improvements as discussed in previous meetings
- Your feedback is requested to ensure robust and useful content

Summary of Issue PAC-2024-6

Description: After gaining experience with Merchant HVDC transmission connection procedures outlined in MISO's Tariff Attachment GGG, both MISO and stakeholders have identified opportunities for improvement and efficiencies to benefit future MHVDC projects. This will include changes in both the Tariff and Business Practice Manuals.

The following areas have been identified for review:

- Applications and Application Modifications
- Study Scope and Methodology
- Transmission Connection Agreements
- Tariff language in Attachment X, Attachment GGG, and Module B

BPM Contents – Sections 1, 2, & 3

Sections 1 through 3 provide an introduction, summarize the overall process, and explain the connection request and application review process.

- 1. Introduction
- 1.1 Purpose of the MISO Business Practices Manuals..
- 1.2 Purpose of this Business Practices Manual
- 1.3 References
- 2. MHVDC Transmission Connection Process Summary.....
- 2.1 Scope and Applicability
- 2.2 Process Overview and Diagram.....
- 2.3 Process Timeline.....
- 3. Requesting a Transmission Connection
- 3.1 Ad Hoc Information Sessions
- 3.2 Connection Request & Deposit Submittal
- 3.2.1 MHVDC Injection Rights.....
- 3.3 MHVDC Application Review Phase.....
- 3.3.1 Acknowledgment.....
- 3.3.2 Deficiencies
- 3.3.3 Validation.....
- 3.3.4 Withdrawal.....
- 3.4 MHVDC Application Modifications

BPM Contents – Section 4

Section 4 focuses on project kick-off and engineering studies.

- 4. MHVDC Project Kick-off and Engineering Studies
- 4.1 Scoping Meeting
- 4.2 System Impact Studies
- 4.2.1 Studies for MHVDC Transmission Connection Service
- 4.2.1.1 Bench Case Development & Model Building.....
- 4.2.2 Injection Rights Studies.....
- 4.2.3 Transmission Service to Withdraw Energy.....
- 4.3 MHVDC Facilities Study.....
- 4.4 Study Payment or Refunds

BPM Contents – Sections 5, 6, & 7

Sections 5, 6, and 7 detail the connection and construction agreements, the post-TCA activities, and provide a glossary of terms.

- 5. Connection and Construction Agreements.....
 - 5.1 Transmission Connection Agreement.....
 - 5.2 Facilities Construction Agreement.....
 - 5.3 Multi-Party Facilities Construction Agreement.....
- 6. Post-TCA Phase.....
 - 6.1 Treatment in Other MISO Planning Processes.....
 - 6.2 Suspension, Construction, Delays.....
 - 6.3 Energization and Real Time Operations.....
 - 6.3.1 Network & ICCP Modeling.....
 - 6.3.2 Commissioning of Transmission.....
 - 6.4 Interim Deliverability Studies and Limited Operation ...
- 7. Glossary of Terms.....

Stakeholder Feedback Request

- MISO invites feedback on **Attachment GGG Improvements (PAC-2024-6)** by May 7, 2025.

Please provide feedback on the outline of a new BPM for MHVDC Connection Procedures via Attachment GGG Improvements and consider the following questions, specifically:

- What if any topics or areas are missing from the drafted sections?
 - Should any topics or areas contain more detail than others in this BPM?
 - Does the initial section grouping and/or ordering need adjustment?
- Feedback requests and responses are managed through the Feedback Tool on the MISO website:
<https://www.misoenergy.org/stakeholder-engagement/stakeholder-feedback/>

Next Steps & Timeline - Issue PAC-2024-6

Date	Venue	Summary	Feedback Request
09.03.24	IPWG	MISO introduced the new issue to IPWG	No
12.03.24	IPWG	MISO discussed schedule/prioritization and solicited feedback	Yes
01.28.25	IPWG	MISO summarized feedback, presented adjusted schedule	No
04.22.25	IPWG	MISO presented outline of initial BPM, requested feedback	Yes
06.03.25	IPWG	Finalize & post initial BPM and begin enhancements	TBD
2025Q3 - 2026Q2	IPWG	Ongoing process improvements	Yes



Questions?

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