



# PJM – MISO JOA Updates

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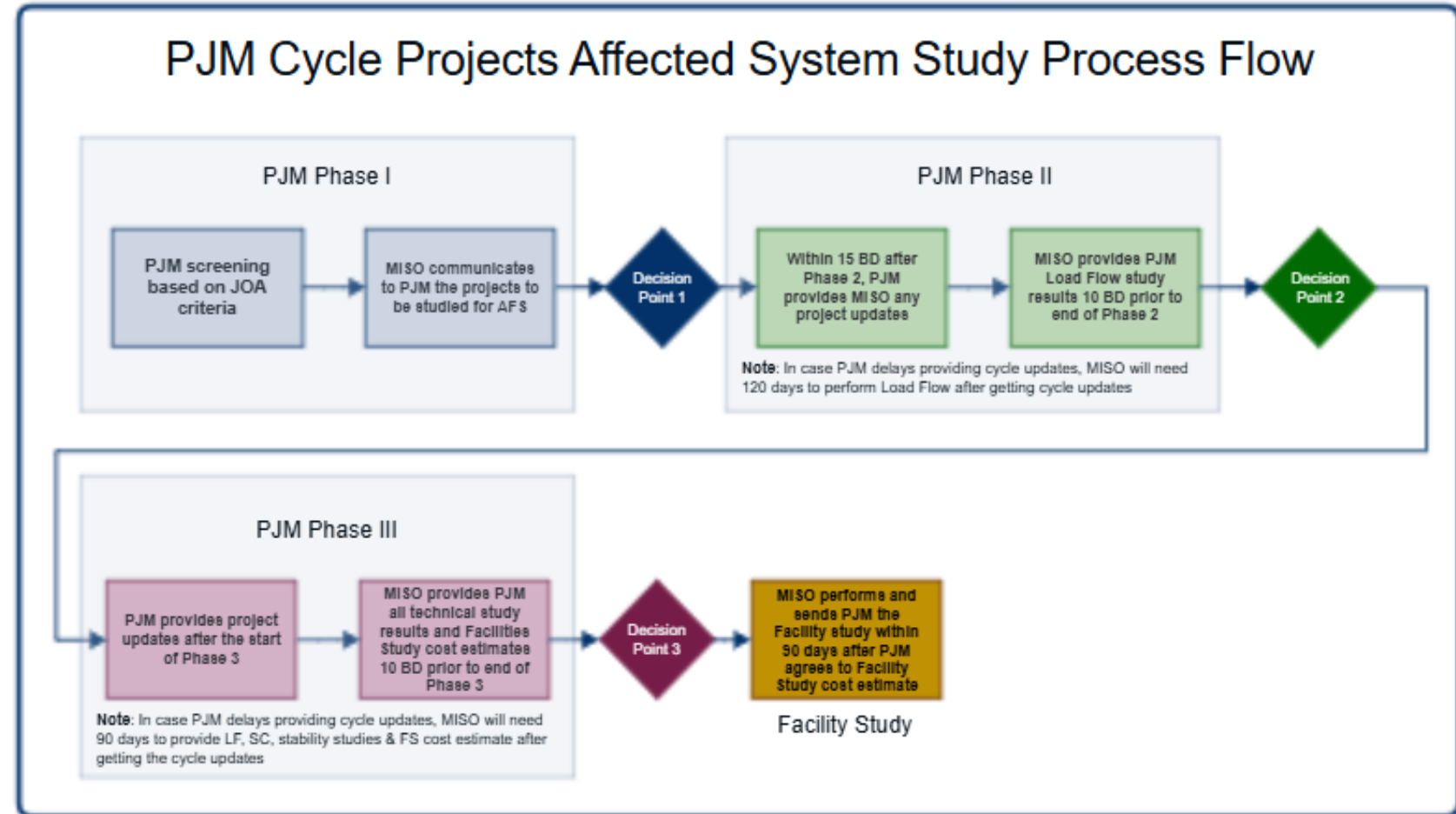
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- Updates were made to existing PJM – MISO Joint Operating Agreement (JOA) in response to Stakeholder feedback and FERC Order 2023. It is also to ensure alignment between MISO and PJM's cycle-based affected system study process.
- The updates will lead to more favorable results and timely reporting that addresses Project Developer's needs

- Updated relative queue priority due implementation of cycle based study approach will be as follow:
  - The requests for Interconnection Service included in the cycle having the earlier Decision Point I (DP1) close date will have higher queue priority
- **Applicability Timeline:** The new relative queue priority framework will apply to MISO DPP-2022 and later and PJM TC1 cycle and later

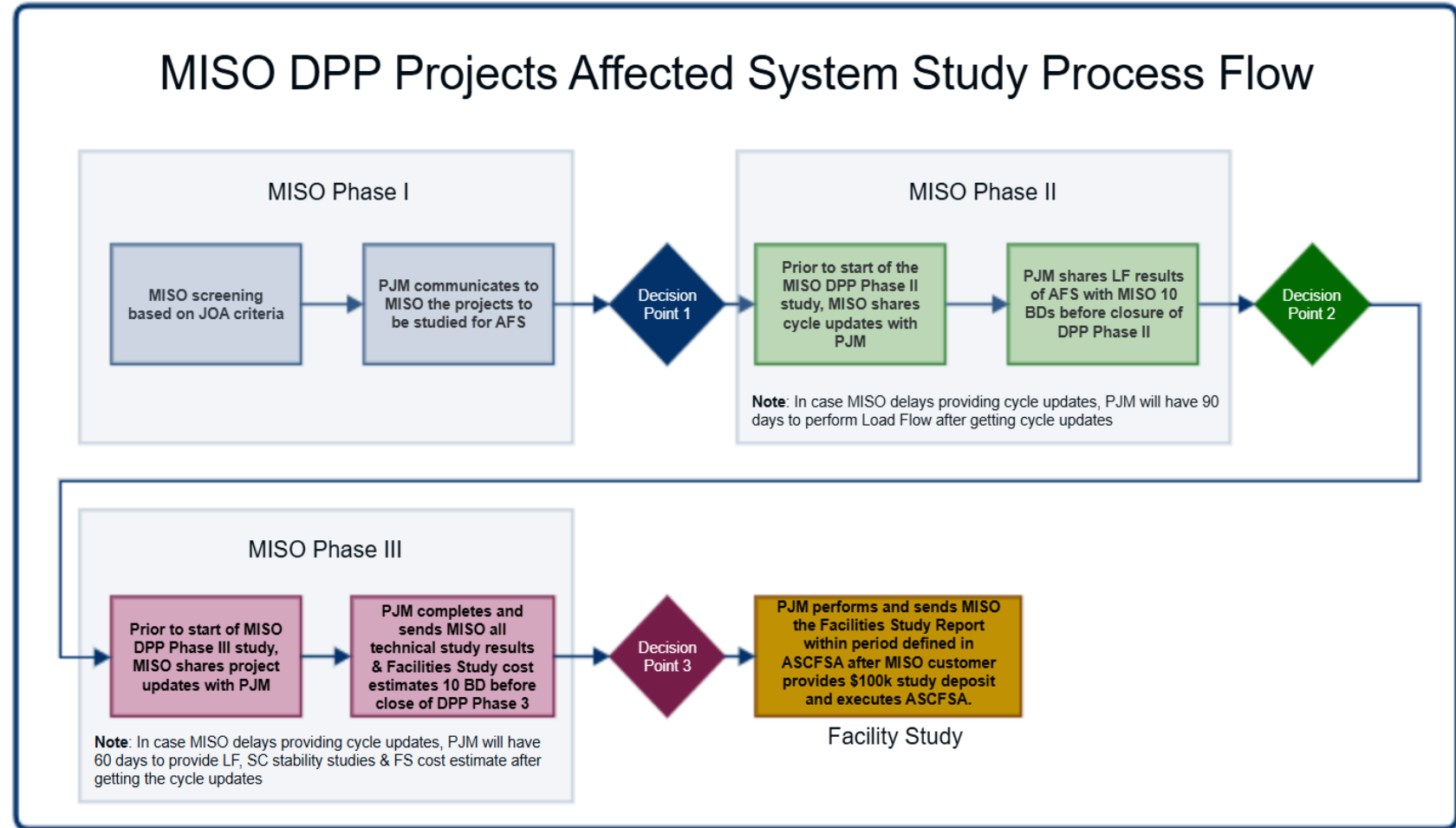
- **Study Methodology:**
  - MISO will apply Energy Resource Interconnection Service (ERIS) criteria
  - PJM will apply Individual Plant Test criteria
- **Tie Line Mitigation Requirements:** Coordinated mitigation of all limiting elements on the MISO-PJM tie with least cost reinforcement option.
- **Process Development:** Further details on the process will be outlined in each Transmission Provider's Tariff and Manuals.

- By the end of PJM Cycle Phase II MISO to provide:
  - Steady-State Thermal and Voltage Analysis Report
- By the end of PJM Cycle Phase III MISO to provide:
  - Retooled Steady-State Thermal and Voltage Analysis, along with Short Circuit and Stability Analysis Reports



# Changes for PJM Study of MISO Interconnection Request

- By the end of MISO DPP Phase II, PJM to provide:
  - Steady-State Thermal and Voltage Analysis reports.
- By the end of MISO DPP Phase III, PJM to provide :
  - Retooled Steady-State Thermal and Voltage Analysis, along with Short Circuit and Stability Analysis Reports.



- **Cost Collection for Affected System Impact Study:** The host system will collect the costs for the Affected System Impact Study from the Interconnection Customer or Project Developer's Study Funds (No agreements required).
- **Network Upgrade Identification & Facilities Studies:** If the AFSIS report identifies a Network Upgrade on the Affected System, the Affected System may conduct its own Facilities Studies in collaboration with the host system.
- **Affected System Facility Study:**
  - PJM will collect the costs for the Affected System Facility Study from the Project Developer's study fund, and no facility study agreement is required
  - MISO Interconnection Customer will need to enter into Affected System Customer Facility Study Agreement with PJM and provide a \$100k deposit.



- **Establishing Queue Priority:** Relative Queue Priority will be determined by PJM TC1 and MISO DPP22 and subsequent cycles/clusters.
- **Existing Queue Position:** MISO DPP21 and PJM AG1 Fast Lane & previously studied by the Affected System will retain their current queue position.



- Majority of edits are due to Stakeholder feedback, Order 2023 and PJM's transition to a Cycle-based interconnection study which will lead to more favorable results for developers
- PJM is requesting feedback on PJM-MISO JOA Redlines by March 18, 2025. Feedback can be sent to [InterconnectionSupport@pjm.com](mailto:InterconnectionSupport@pjm.com)
- Target FERC Filing: April 2025

# Appendices

- **Data Exchange & Coordination:** PJM and MISO are required to establish and maintain data exchange provisions, ensuring coordination between the host system and affected system processes.
- **Relative Queue Priority if both parties have same DP1 close date:** If both Parties have cycles with the same DP1 close date, priority is given to the cycle with the earlier DP2 start date, determined as the first day after Phase II closes.

- **Restudy Scenario:** PJM and MISO have also established queue priority rules for projects in MISO DPP-2021, PJM AG1, and earlier cycles. If either PJM or MISO initiates a restudy for projects in these cycles, the relative queue priority will follow the order outlined below:
  - MISO queue priority from the highest to the lowest: DPP 2018, AD1, AD2, DPP 2019, AE1, AE2, AF1, DPP 2020, AF2, AG1, DPP 2021.
  - PJM queue priority from the highest to the lowest: AD1, AD2, AE1, DPP 2018, AE2, AF1, AF2, DPP 2019, DPP 2020, AG1, DPP 2021.

- **Invoicing & Billing Procedures:** Section 9.3.3(k) defines the invoicing and billing procedures between PJM and MISO.
- **Cost Allocation & Payments:**
  - PJM and MISO will invoice each other for Affected System Study costs.
  - Payments will be made using the applicable study funds from the Interconnection Customer/Project Developer
- **Payment Terms:**
  - Invoices must be paid within 30 days of receipt.
  - Any updated study costs must be paid within 30 days of receiving the notice.

## Presenter:

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