



Generator Interconnection Queue Improvements (PAC-2023-1)

Standardizing Generator Interconnection Application Model Data

Interconnection Process Working Group (IPWG)

January 27, 2026

Purpose & Key Takeaway



Purpose

Introduce the need to standardize the collection of power flow modeling data in the Generator Interconnection Queue process

Key Takeaways

- Reforms are needed to ensure that a consistent set of modeling data is received
- Standardization of the power flow model format and fields will allow for faster interconnection study results
- A proposed solution will be presented at the next IPWG on March 10, 2026

Reforms are needed to ensure that a consistent set of modeling data is received to enable faster and more certain study results

- FERC Order 2023 Penalties range from \$1k to \$2.5k per Business Day
 - SUGAR is being utilized to automate and speed up the DPP study activities
 - There is a need to evolve the submitted power flow models to coordinate with Pearl Street in an efficient manner
- Reforms are needed to 1.) get consensus on the standard power flow model expected to be submitted and 2.) reduce duplicated data in Appendix 1 and power flow models
 - From the 2023 Study Cycle, ~ 50% of modeling files received could not be utilized as submitted without manual intervention
 - From the 2025 Study Cycle, ~ 53% of modeling files received could not be utilized as submitted without manual intervention
 - Multiple instances from both Study Cycles where data in power flow model and associated field in Appendix 1 did not match (Example: A-4 Tie Line Information)

Potential Benefits to Model Standardization Reforms

- Standardization in the interconnection queue power flow modeling will lead to more efficient use for modeling for use in SUGAR
- Reducing duplication of data fields will simplify the interconnection application submittal process
- If changes are made soon, this can be implemented before the DPP 2026 deadline
- Reviews of studies and ability to provide feedback can be done faster if process is standardized

Potential Roadblock to Model Standardization Reforms

- Need to ensure that standardized power model format is accessible to all Interconnection Customers

Next Steps

- MISO will present an initial package of reforms the March 10, 2026 IPWG
- MISO will solicit feedback at the March 10, 2026 IPWG and provide an updated package at the April 28, 2026 IPWG
- MISO plans to file any Tariff changes with FERC in Q2/Q3 of 2026

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