



# MISO-PJM IPSAC

- PJM 2022/2023 Market Efficiency Cycle
- Annual Issues Review
- Next Steps

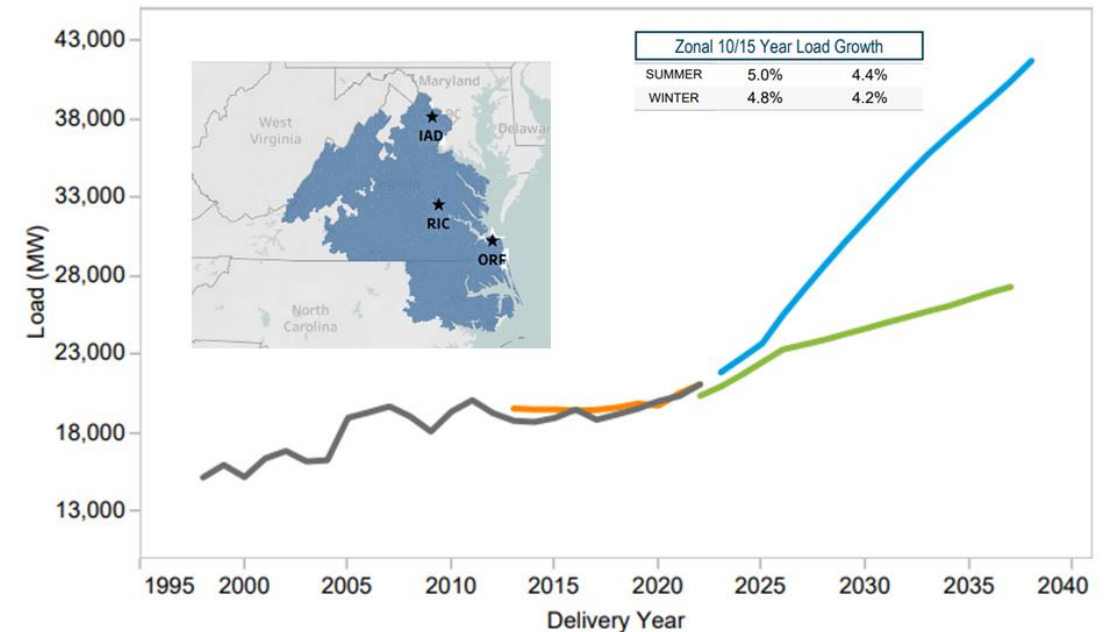


# PJM 2022/23 Market Efficiency Cycle

- ME team completed updating the ME Base Case with the reliability upgrades from the 2022 Window 1 and 2022 Multi-Driver Window
  - Congestion impact presented at January 10<sup>th</sup> TEAC
  - PROMOD modeling data posted on the PJM ME secure page
- Currently analyzing the congestion impact of the new PJM load forecast from the 2023 Load Forecast Report
  - 2023 PJM Load forecast modeled as a sensitivity scenario

# Sensitivity Scenario - 2023 PJM Load Forecast

- Sensitivity scenario uses the 2023 Load Forecast with APS/DOM data center updates.
- RTEP Topology updated to reflect the new data center injections, associated supplemental projects, and new bus level load profile.



<https://pjm.com/-/media/library/reports-notice/load-forecast/2022-load-report.ashx>

- *Due to high data center load forecast, PROMOD SCED engine has difficulty achieving a reasonable dispatch for the 2030 and 2033 simulations, a high number of hours have emergency energy and overloads.*
- *The extreme levels of PROMOD congestion are an indicator of reliability violations and prevent evaluating the congestion drivers.*

- PJM will delay the opening of the 2022/2023 Long-Term Window until the reliability violations for the 2022 Window 3 are addressed.
- PJM will continue to monitor the progress and provide additional details to stakeholders at future TEAC meetings.
- Updates to the Market Efficiency Base Case will be posted as necessary.

# Annual Issues Review

- ✓ • In the 4th quarter, RTOs exchange:
  - Regional issues and newly approved projects near the seam
  - New regional issues
  - Interconnection requests under coordination
  - M2M historical congestion
- ✓ • RTOs jointly reviewed above in January
- ✓ • Receive Third Party issues in first quarter (required 30 days before Issues Review IPSAC)
- ✓ • Issues Review IPSAC –
  - Held in the first quarter of each year
  - Must provide 60 calendar day notice of scheduled date
  - Stakeholder feedback due 30 days prior to IPSAC

- **Within 45 calendar days after the Issues Review IPSAC the JRPC shall determine the need for a Coordinated System Plan study**
- **JRPC notifies the IPSAC of its decision within 5 business days**



- Issues and plans have been discussed at regional meetings
  - PJM regional issues are presented at monthly [TEAC meetings](#) and [Subregional RTEP Western meetings](#)
  - MISO regional issues are presented at triannual [Subregional Planning Meetings](#)
- Third Party input was requested at the December 15, 2022 IPSAC meeting
  - Input/feedback was due by January 18, 2023

- Regional issues and newly approved projects near the seam
  - Please see selected MISO slides posted with meeting materials
    - TO submitted 'bottom-up' projects for MTEP23
    - Projects approved in MTEP22
- New regional issues
  - No regional Market Congestion Planning Study (MCPS) will occur in MTEP23
  - MISO economic models are under development
- M2M historical congestion
  - Joint summary posted with meeting materials

- Regional issues and newly approved projects near the seam
  - Please see selected TEAC and Subregional RTEP Committee – Western meeting slides posted with meeting materials
- New regional issues
  - 2023 RTEP cycle reliability issues not identified yet
  - 2022/23 24-month Long-Term cycle
    - PJM will delay the opening of the 2022/2023 Long-Term Window until the reliability violations for the 2022 Window 3 are addressed.
- M2M historical congestion
  - Joint summary posted with meeting materials

1 entity provided feedback:

Num	Stakeholder	Feedback Description
1	RMI	RTOs should consider a more comprehensive scenario based forward-looking planning process. The process would have MISO and PJM stakeholder participation and consider the needs of renewable energy forecasts and goals, interconnection queue data, congestion and curtailment data, and load growth scenarios under various electrification futures.

- Feedback has been posted with meeting materials

- Targeted Market Efficiency Project (TMEP) Study
  - MISO and PJM opted to perform a TMEP Study in 2022 based on limited 2020+2021 historical M2M congestion drivers
    - Upon conclusion of the TMEP Study, the JRPC recommended the Powerton-Towerline 138kV Line congestion mitigation project
  - RTOs are currently reviewing the highest congested elements and potential mitigating factors to determine need for full or limited 2023 TMEP study
- Interregional Reliability Studies
  - PJM 2022 RTEP Multi-driver Window addressed reliability issues in the St. Johns-Crete 345kV area
    - The PJM selected project addresses both reliability and market efficiency issues in the area.
- Interregional Market Efficiency Project (IMEP) Study
  - PJM and MISO will coordinate interregional congestion issues in alignment with the PJM 2022/2023 market efficiency window for consideration in the 2023 PJM-MISO CSP planning cycle
- Other Studies
  - Interregional Public Policy Projects: No issues currently identified

# Next Steps

- JRPC will determine the need for Coordinated System Plan studies and inform the IPSAC through the PJM and MISO email distributions
  - Determination to be made by April 3, 2023
  - JRPC will inform IPSAC within 5 days of the decision
- Next IPSAC meeting is TBD, tentatively scheduled for June 2023
  - Additional IPSAC meetings will be scheduled as needed depending on necessity of study

# Open Discussion



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