



Interregional Coordination Update

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Markets Implementation Committee

March 08, 2023



The most recent Joint and Common Market meeting was held on February 23, 2023.



The next joint stakeholder meeting will be hosted by PJM on August 29, 2023 via WebEx



Meeting materials are posted approximately one week in advance at the [PJM/MISO Joint and Common Market Initiative](#) as well as the [Joint and Common Market](#) websites

Planning Issues

- Interregional Planning

Market Issues

- Freeze Date
- M2M Enhancements

Administrative

- M2M Settlements
- Issue Status

Submit topics for the
JCM Meeting to
Michael.Handlin@pjm.com

- Issue status and drill down reports available at below websites:
 - [PJM/MISO Joint and Common Market Initiative](#)
 - [Joint and Common Market](#)
- Biennial Review of MISO-PJM Joint Operating Agreement:
 - <https://pjm.com/markets-and-operations/energy/market-to-market.aspx>
 - Next Biennial Review taking place in 2024
- Pending market-to-market settlement adjustments
 - None



- CMP members continues to meet on a regular basis working through Freeze Date data analysis
- Baseline data established for proposed collaborated solution
- Further analysis being performed on impacts of Firm Flow Entitlement solution

- PJM, LGE-KU & TVA reached consensus on Joint Reliability Coordination Agreement (JRCA)
 - FERC filing for changes (as it applies to PJM and LGE-KU) expected in March 2023
 - Update provided to PJM Stakeholders prior to FERC filing
 - PC 3/7, OC 3/9, MC Webinar 3/20

CSP studies could include:

- Interregional Market Efficiency Project (IMEP)
- Targeted Market Efficiency Project (TMEP)
- Interregional Reliability Project (IRP)
- Public Policy
- Ad Hoc studies

JRPC decision is to conduct a 2022 CSP TMEP

- Based on ~\$519 million congestion on M2M flowgates in 2020 & 2021
- Preliminary data presented at February 17, 2022 IPSAC meeting

Of the preliminary \$519M of congestion

- \$191M of congestion was determined to be non-persistent or mitigated by future upgrades
- TMEP study in 2022 – covers the remaining \$328M of congestion
- 23 TMEP study candidates taken under consideration
1 TMEP candidate recommended



ComEd:Baseline Powerton Sub 138kV Wave Trap

Process Stage: First Review

Reference: PJM/MISO JOA – Article 9 – Interregional TMEP Analysis

Assumptions: 2-year historical congestion (2020, 2021)

Analytical Framework: 2022 Coordinated System Plan Study

TMEP Candidate: Yes

Problem Statement:

Greater than \$1 M of historical congestion identified on the Powerton-Towerline 138kV tie-line with MISO (Ameren)

Existing Facility Rating: SN/SE/WN/WE = 195 / 214 / 211 / 229

Proposed Facility Rating: SN/SE/WN/WE = 207 / 268 / 252 / 298

Proposed Solution:

TMEP-2022-01: At Powerton Substation (ComEd), replace most limiting facility, 800A wave trap with 2000A wave trap, on the Powerton-Towerline 138kV line terminal.

Cost/Benefit Analysis:

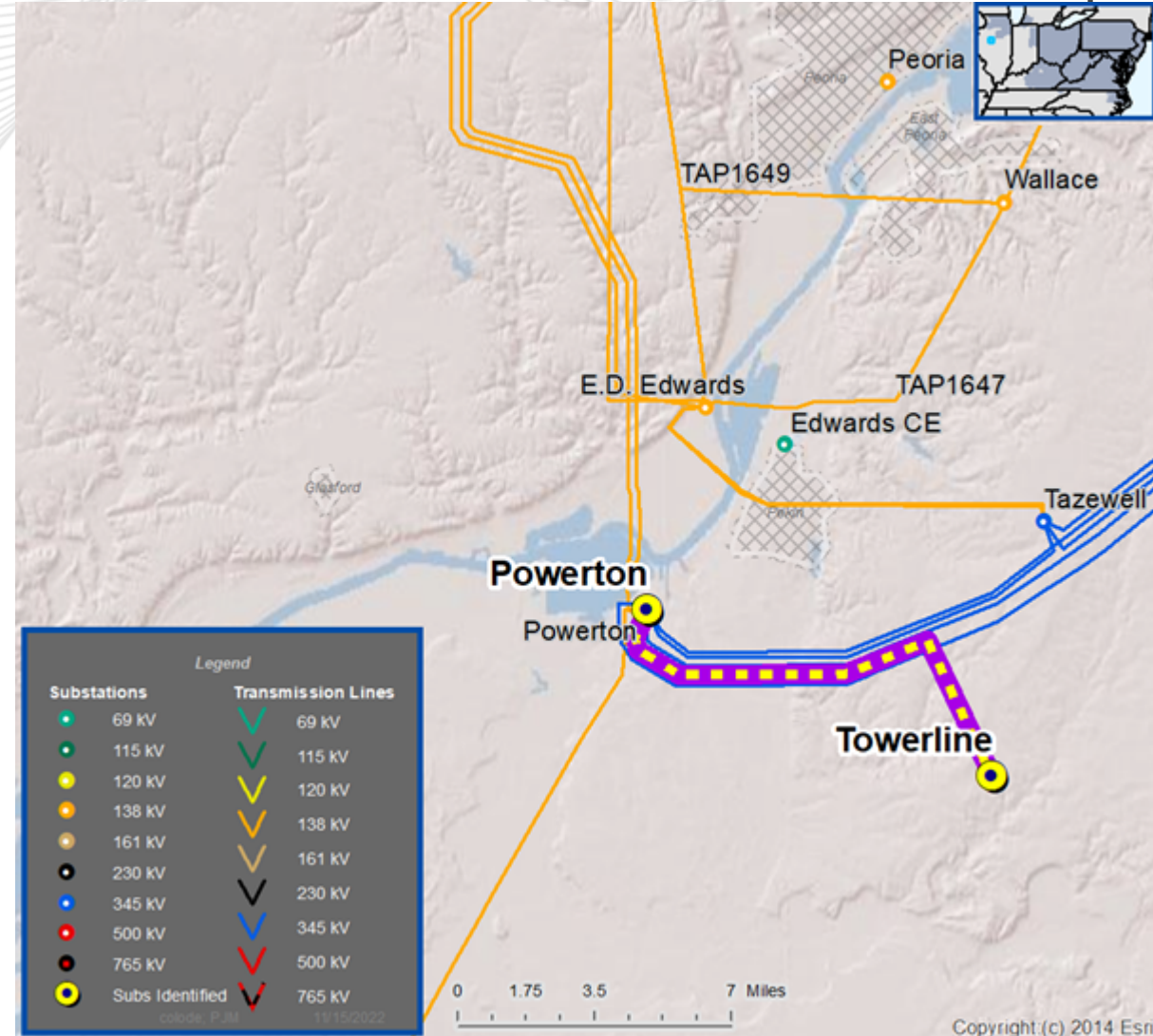
- **Estimated TMEP Cost:** \$0.2 M
- **Annual TMEP Congestion Benefit:** \$ 1.827 M/Year (2-Years Hist. Cong. Avg.)
- **Expected TMEP Future Congestion Relief:** \$ 7.31 M = 4 x \$ 1.827 M/Year (Sum of \$ 1.827 M annual congestion benefit over 4 years period after study year).

Criterion: TMEP Capital Cost < Expected TMEP Future Congestion Relief

$$\$0.2 \text{ M} < \$ 7.31 \text{ M}$$

Alternatives: None

Required In-Service: 6/1/2025



February / March 2023

- Recommendation to PJM / MISO Boards

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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

- PJM and MISO are currently reviewing the highest congested elements and potential mitigating factors to determine need for full or limited 2023 TMEP 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

- Reference date of April 1, 2004, known as “Freeze date”, is used as a mechanism to determine firm rights on flowgates based on pre-market firm flows.
 - CMP Members (PJM, MISO, SPP, TVA, Manitoba Hydro, and LGE/KU) have been developing a collaborative solution to update these firm rights
- CMP Members are working on the final items for the Phase 2 solution:
 - Phase 2 implementation date will be determined when individual Planning discussions are completed by each entity
 - CMP members have developed design components for the Phase 2 solution
 - Firm Flow Entitlement (FFE) solution is almost finalized; Firm Flow Limit (FFL) remains an open item
 - Discussions will continue to finalize design components and whitepaper
 - Stakeholder education will occur during future MIC and JCM meetings
 - Stakeholders will be updated prior to FERC filing



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