



# Interregional Coordination Update

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Markets Implementation Committee

April 12, 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](mailto: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)
  - Update provided to PJM Stakeholders prior to FERC filing
    - PC 3/7, OC 3/9, MC Webinar 3/20
  - FERC filing for changes (as it applies to PJM and LGE-KU) expected soon
    - Pre-filing meeting with FERC staff on 3/24

February 2023

PJM Board Approves TMEP Study

March 2023

MISO Board Approves TMEP Study



# 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:**

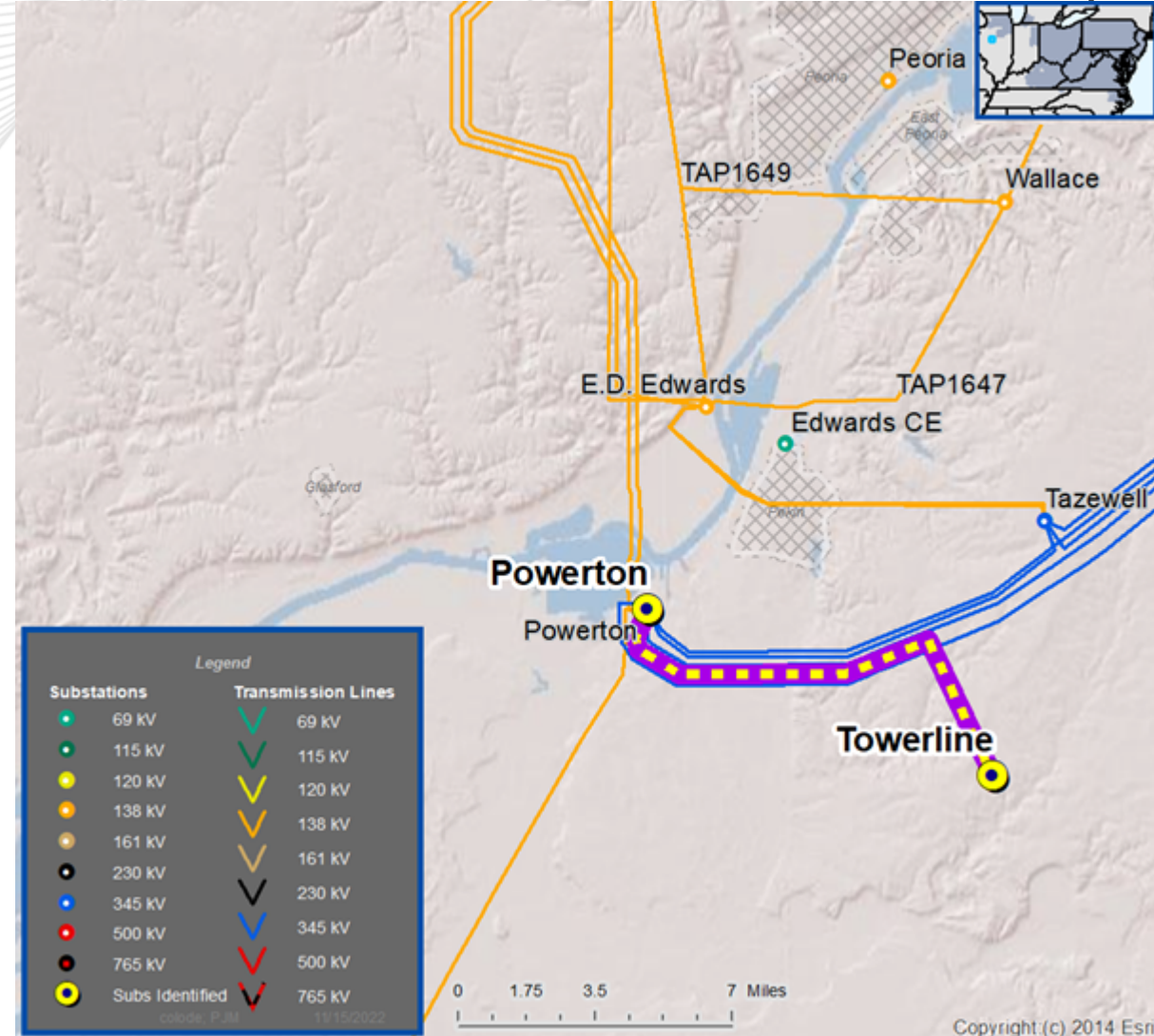
- **Estimated TMEP Cost:** \$0.2 M
- **Annual TMEP Congestion Benefit:** \$ 1.827 M/Year (2-Years Hist. Cong. Avg.)
- **Expected TMEP Future Congestion Relief:** \$ 7.31 M = 4 x \$ 1.827 M/Year (Sum of \$ 1.827 M annual congestion benefit over 4 years period after study year).

**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





## CSP studies could include:

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

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 in April

- 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



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- 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

- 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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## Interregional Coordination Update



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