



Interregional Planning Update

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Transmission Planning

Transmission Expansion Advisory
Committee

August 9, 2022

- EIPC
- IPSAC – PJM / MISO
 - August 26, 2022 meeting
 - TMEP Study Overview
- IPSAC – PJM / New York & New England
 - TBD meeting
- Other activities

- Stakeholder Input Due: January 18, 2022
- Issues Review IPSAC: February 17, 2022
- JRPC notifies IPSAC of CSP study decision: March 30, 2022 (email to stakeholders)
- April 25, 2022 IPSAC meeting - Presented CSP study scope
 - 23 Flowgates: potential TMEP Study candidates
- July 21, 2022 IPSAC meeting – CSP study scope Status



MISO-PJM TMEP Study Overview

- Historically binding (2020 + 2021) Market-to-Market flowgates
 - Focus on constraints with >\$1million congestion
- Initial list of [23 TMEP study candidates](#) posted at the April 25, 2022 IPSAC meeting.
- Study steps:
 - Look for outages when the congestion occurred (if so, determine congestion benefit discount).
 - Determine whether the congestion is expected to persist.
 - Identify planned upgrades and their impact on alleviating the congestion.
 - Work with asset owners to determine if any TMEP type solutions exist.
 - Evaluate the effectiveness of TMEP solutions.
 - Ensure TMEP solutions meet all JOA criteria.

- Limited to historically binding M2M flowgates.
- Projects must be in service by 3rd summer peak .
- Projects capital cost < \$20 million.
- Benefits based on relieving average of past 2 years of historical congestion (Day Ahead + Balancing)
- Four years worth of benefits must completely cover project's installed capital cost
- Discount/inflation rate not necessary as all projects are near term
- Interregional cost allocation based on congestion relief in each RTO
 - Adjusted by M2M payments

- Candidates Eliminated – 19
 - Planned upgrades in the area may have an impact on alleviating the congestion
 - Flowgate identified in a Reliability window (Multi-driver)
 - Congestion is related to outages
 - Congestion is not expected to persist

- Candidates Remain Under Consideration – 4



TMEP Candidates under Consideration

Monitored Facility	Flowgate Description	Notes
QuadCities-RockCreek 345 kV	QuadCities-RockCreek 345 kV I/o QuadCities-Sub91 345/161 kV Sub91 XF	Flowgate still under review for outage causes and potential fixes. Potential project candidate to upgrade ComEd terminal equipment (wave trap).
Mohomet - ChampTP 138 kV	Mohomet - ChampTP 138 kV I/o Clinton - Oreana - GooseCrk 345 kV	Congestion appears persistent; evaluating conductor and switch replacement as a potential fix.
Chicago-Praxair 13831	Chicago-Praxair 13831 I/o Wilton CenterDumont 765	Flowgate still under review for outage causes and potential fixes.
Powerton - Towerline 138 kV	Powerton - Towerline 138 kV I/o Fargo - Sandburg 345 kV	Limited by ComEd terminal equipment (wave trap); Low cost upgrade(s) available. Outage causes still under review.

- **Target Timeline**
 - July - complete review of historical congestion
 - Identify outage impacts
 - Identify planned upgrades
 - August – Work with facility owners to identify limiting equipment and potential upgrades
 - September – Complete evaluation of potential upgrades
 - October – Joint review of results and JRPC recommendation to Boards
- **Next IPSAC meeting is scheduled for August 26, 2022**
 - Additional IPSAC meetings will be scheduled as needed depending on necessity of study

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- V1 – 08/05/2022 – Original slides posted

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