



MISO-PJM IPSAC

- Coordinated System Plan Study
 - TMEP Study Status

- IPSAC Work Schedule



Coordinated System Plan Study

- 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 – 23 TMEP Study Candidate status
 - 19 candidates eliminated, 4 candidates remain under study

- Historically binding (2020 + 2021) Market-to-Market flowgates
 - Focus on constraints with >\$1 million congestion
- 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.
- Focused on 4 remaining TMEP candidates discussed at the July 21, 2022 IPSAC meeting.

1. Limited to historically binding M2M flowgates
2. Projects must be in service by 3rd summer peak
3. Projects over \$20 million not eligible
4. Benefits based on relieving average of past 2 years of historical congestion (Day Ahead + Balancing)
5. Four years worth of benefits must completely cover project's installed capital cost (B/C Ratio = 1)
6. Discount/inflation rate not necessary as all projects are near term
7. Interregional cost allocation based on congestion relief in each RTO
 1. Adjusted by M2M payments

Monitored Facility	Flowgate Description	Notes
QuadCities-RockCreek 345 kV	QuadCities-RockCreek 345 kV I/o QuadCities-Sub91 345/161 kV Sub91 XF	Eliminated from consideration <ul style="list-style-type: none"> Congestion was not persistent
Mahomet - ChampTP 138 kV	Mahomet - ChampTP 138 kV I/o Clinton - Oreana - GooseCrk 345 kV	Eliminated from consideration <ul style="list-style-type: none"> Congestion was not persistent Additional congestion analysis confirmed significant part of historical congestion due to nearby outages
Chicago-Praxair 13831	Chicago-Praxair 13831 I/o Wilton CenterDumont 765	Under Consideration <ul style="list-style-type: none"> Further analysis needed Benefits may be too low to support a TMEP upgrade
Powerton - Towerline 138 kV	Powerton - Towerline 138 kV I/o Fargo - Sandburg 345 kV	Under Consideration <ul style="list-style-type: none"> Further analysis needed Benefits may be too low to support a TMEP upgrade

IPSAC Work Schedule

- Target Timeline
 - September - October
 - Worked with facility owners to identify limiting equipment and potential upgrade
 - Completed evaluation of potential upgrades
 - November – December
 - Joint review of results and JRPC recommendation to Boards
- Next IPSAC meeting is scheduled for December 15, 2022
 - Additional IPSAC meetings will be scheduled as needed depending on necessity of study

Open Discussion

PJM:

inter.regional.planning.team@pjm.com

MISO:

ep@misoenergy.org