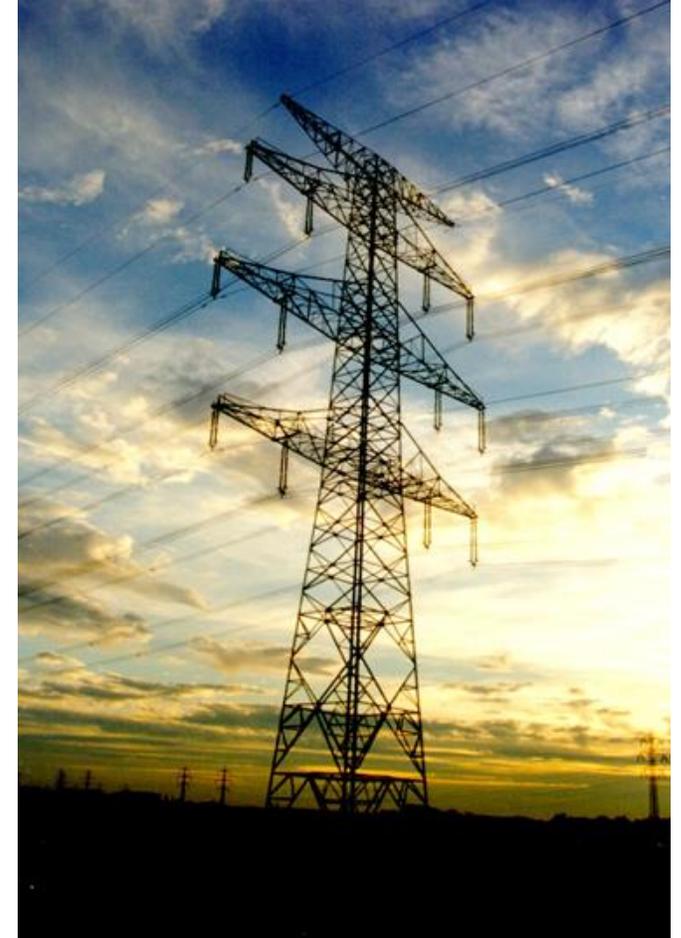




MISO-PJM IPSAC

- Coordinated System Plan Study
 - TMEP Study
- IPSAC Work Schedule



Coordinated System Plan Study

- ✓ • 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
- ✓ • IPSAC Meeting required 30 days after JRPC determination

- 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)

- ~\$519 million congestion on M2M flowgates in 2020 & 2021
 - Preliminary data presented at February 17, 2022 IPSAC meeting
- ~\$191 million of congestion was determined to be non-persistent or mitigated by future upgrades
 - The remaining \$328 million of congestion needs to be investigated as part of the TMEP Study
 - Were there outages when the congestion occurred?
 - Is the congestion expected to persist?
 - Are there planned upgrades?
 - Is there a viable TMEP type solution?
- **PJM and MISO have committed to a TMEP study in 2022**

- Historically binding (2020 + 2021) Market-to-Market flowgates
 - Focus on constraints with >\$1 million congestion
- Focus on 23 flowgate candidates in posted meeting material
- 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

- Assumptions:
 - TMEP project will mitigate >\$1 million congestion over 2-year period
 - Historical congestion occurred unrelated to outages (if so, determine congestion benefit discount)
 - Congestion is expected to persist
 - Planned upgrades in the area have no impact on alleviating the congestion
 - Asset owners do not have TMEP type solutions planned

- Limited to historically binding M2M flowgates
- Projects must be in service by 3rd summer peak
- Projects over \$20 million not eligible
- 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

IPSAC Work Schedule

- Target Timeline
 - June - complete review of historical congestion
 - Identify outage impacts
 - Identify planned upgrades
 - July – 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 TBD, tentatively scheduled for June 2022
 - Additional IPSAC meetings will be scheduled as needed depending on necessity of study

Open Discussion

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