Freeze Date Overview
Background

• Freeze date is used as a mechanism to determine firm rights on flowgates based on pre-market flows.

• Freeze date is used to establish firm flow impacts on flowgates had the markets never started/expanded.
  - These firm flow impacts are then used in the flowgate allocation process to allocate the capacity of flowgates under a seams agreement.

• Flowgate allocations are equivalent to firm rights the historic BAs participating in the markets would have on flowgates had the markets never started/expanded and the BAs continued to serve their own load.
**Freeze Date Defined**

- Defined by the Joint Operating Agreement as April 1, 2004.
- A snapshot of control areas and transmission rights prior to Market Integrations.

<table>
<thead>
<tr>
<th>April 1, 2004</th>
<th>1 month before ComEd Market Integration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generation</td>
<td>designated network resources (capacity)</td>
</tr>
<tr>
<td>Historic Control Areas</td>
<td>serve own load. Transfers limited by Point-to-Point</td>
</tr>
<tr>
<td>Point-to-Point</td>
<td>historic control area transmission service between each other and neighbors</td>
</tr>
</tbody>
</table>
Scope

MISO, PJM, TVA, MH, SPP agreements

• Congestion Management Process
  − Transmission Service
  − TLR
    • Curtail interchange schedules (eTags)
    • MISO, PJM, SPP market flow relief obligations

• Market-to-Market (MISO-PJM M2M)
  − FTR and Day-Ahead
  − M2M Settlement
Inputs to Freeze Date

Freeze Date
- Transmission Service
- Generation
- Control Area

Current
- Topology
- Generation Outage
- Transmission Outage
- Load Forecast

Flowgate Allocation
Gen-to-Load & Point-to-Point

Historic
GtL and PtP

Current
GtL and PtP
Freeze Date Impacts

Freeze date directly impacts RTO response to TLR and Market-to-Market Settlements.

- TLR → redispatch → energy and congestion
- FTR & DA → commitments
- M2M → M2M settlement
- CMP → firm transmission service
Issues with the current Freeze Date

• Generation Retirements

• Not enough historic DNRs to serve load within historic control area
  - In such cases, non-DNRs and post freeze date DNRs are dispatched on a pro-rata basis to serve historic control area load

• No specific criteria to add post freeze date DNRs to the freeze date DNR list
Summary

- TLR – market flow relief obligations: energy & congestion costs
- M2M – M2M Settlements $
- CMP – firm transmission service
Next Steps

• MISO and PJM will work on the guiding principles for potential alternatives to the current Freeze date

• MISO and PJM present the guiding principles to the stakeholders at the next JCM meeting