

# 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.

April 1, 2004	1 month before ComEd Market Integration
Generation	designated network resources (capacity)
Historic Control Areas	serve own load. Transfers limited by Point-to-Point
Point-to-Point	historic control area transmission service between each other and neighbors

## 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



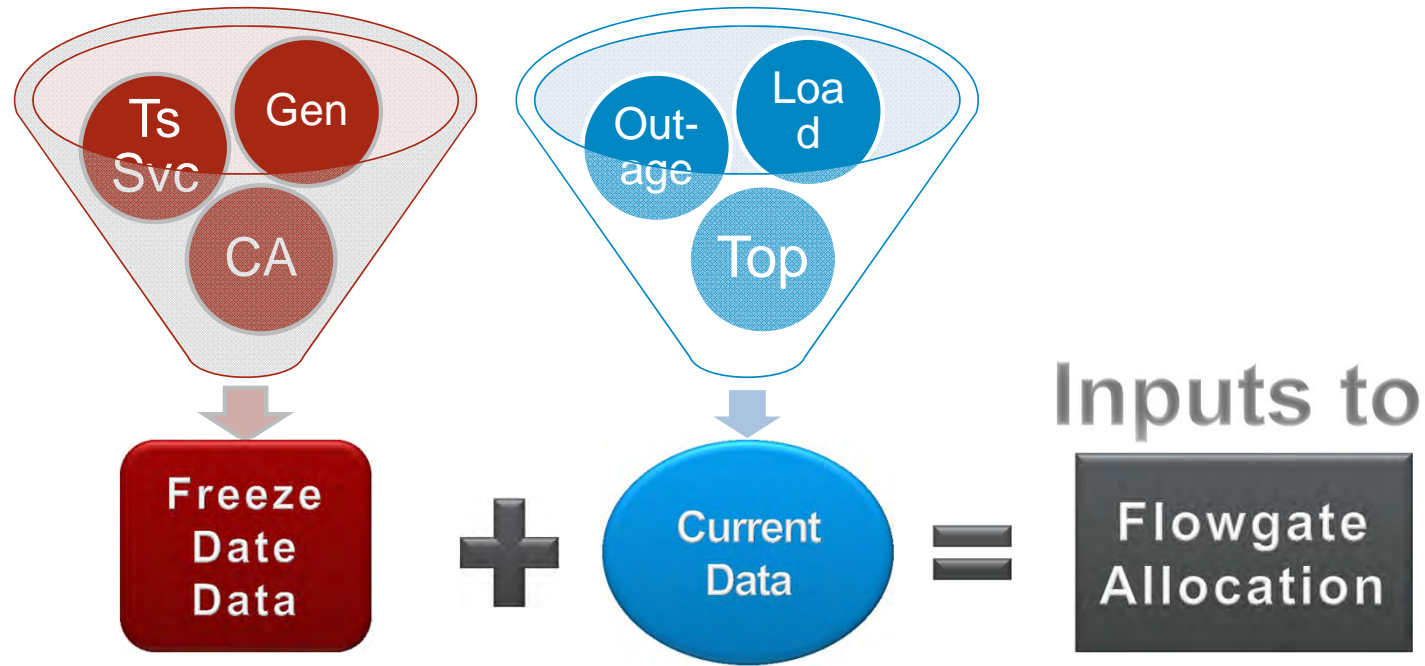
# Inputs to Freeze Date

## Freeze Date

- Transmission Service
- Generation
- Control Area

## Current

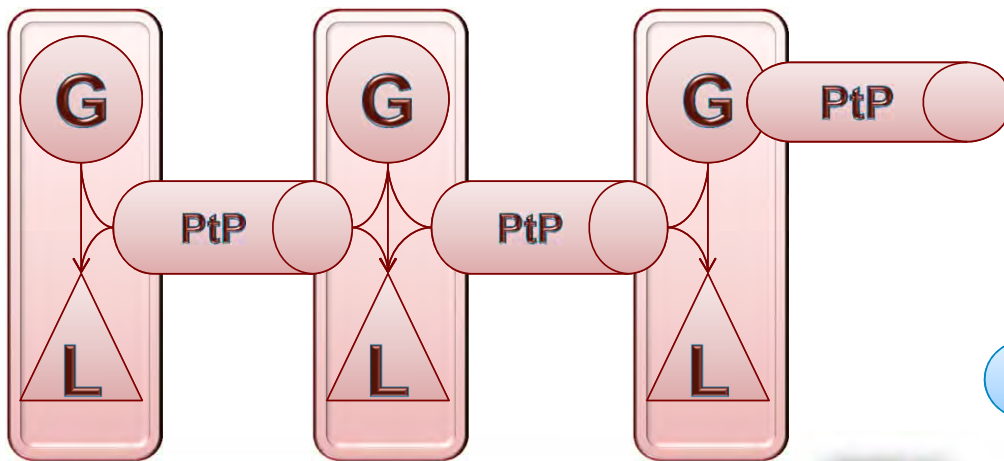
- Topology
- Generation Outage
- Transmission Outage
- Load Forecast



# Gen-to-Load & Point-to-Point

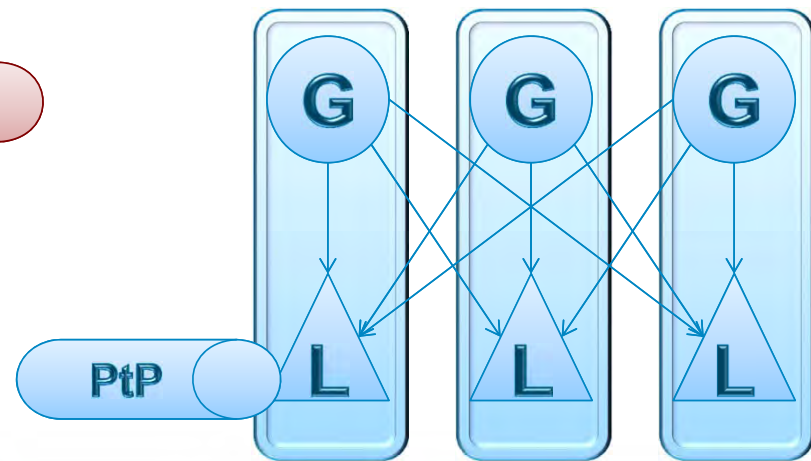
Historic

GtL and PtP

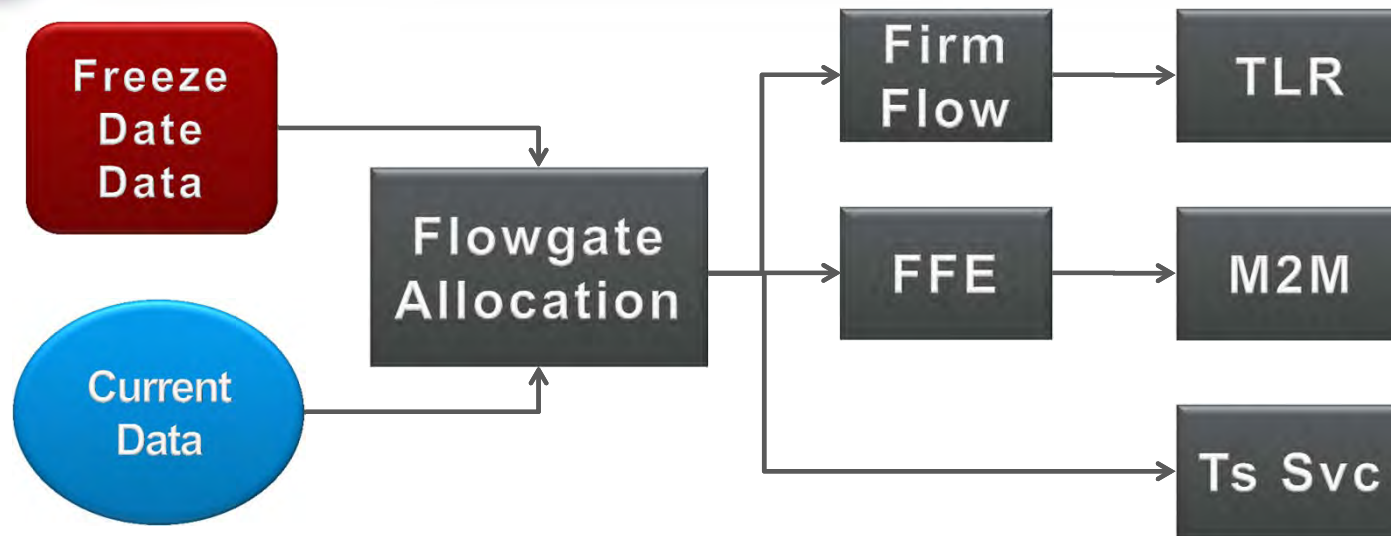


Current

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



