

#### Joint and Common Market

### II. MISO/PJM FTR COORDINATION UPDATE





## **Background and Status**

At the September 20<sup>th</sup> JCM, MISO and PJM discussed the approach for FTR coordination

- Outage Coordination
  - Increased coordination efforts implemented to increase confidence in modeled outages
- Timing
  - Timing of auctions vary slightly between RTOs
    - PJM 2014 Monthly FTR Auctions scheduled slightly later than in 2013 to align better with MISO Monthly FTR Auction schedules
    - MISO 2014 Monthly FTR Auction scheduled slightly earlier than in 2013
- Coordination of Flowgates and Constraints
  - For any known or expected system conditions in the FTR auction





### FTR Modeling and Coordination

### Standing Flowgates (Milestone 4 complete)

- MISO and PJM established the baseline Flowgates to be modeled in respective annual processes
  - This coordination results in MISO and PJM having the same starting point for constraint management
  - MISO and PJM will model 264 MISO RCFs and 151 PJM RCFs
- Developed procedure to determine each ISO's FTR limits and was exchanged for the annual process
  - Process to continue going forward for subsequent monthly FTR auctions
- MISO and PJM to incorporate checks to alert and mitigate over-allocation of FTRs on binding constraints
  - For ex: whether the sum of each ISO's FTR limits exceed the total thermal limit of a binding constraint





# FTR Modeling and Coordination (contd.)

Temporary constraints are being exchanged to represent known outages and other system conditions (Milestone 5 complete)

Coordination includes internal and external constraints

PJM/MISO proposes to use following metrics (Milestone 6):

- Binding M2M constraints shortfall/ surplus
- Whether the constraint was captured in the annual and monthly processes
- Whether the constraint had improved coordination
  - Lowered shortfalls
  - Previously not captured
  - Improved targets

Exchanged constraint data for the upcoming annual processes

Flowgates and FFE targets





## **FTR Coordination Milestones**

#	St	Activity	Ву
1	C	Coordinate outages for FTR auction	June 2013
2	C	Aligned monthly FTR calendars for 2014 posted	November 2013
3	©	Standing flowgates – Coordinate and exchange on monthly basis	December 2013
4	C	Standing flowgates – Coordinate procedure to determine FFEs on other's flowgates and exchange on monthly basis	December 2013
5	©	Type 1(temporary) constraints – Coordinate procedure and exchange constraints. This set would include outage-related temporary constraints. Ex: MISO's type 1 constraints in NIPS area shared with PJM	Q1 2014
6	C	Develop monitoring and measuring metrics for items 3–5	Q1 2014
7		Monitoring, measuring and reporting coordination effectiveness of items 3-5	Q2 2014





In Progress





### **Next Steps**

- Feedback on the proposed metrics
  - Send email to Tim Horger (<u>Tim.Horger@pjm.com</u>) and Xiaoming Wang (<u>XWang@misoenergy.org</u>) by April 15, 2014
- Discuss the metrics outcome at September 2014 JCM
  - Three months of data will be available for the 2014 planning year to monitor and measure the metrics



