



MISO Update ATC Customer Meeting

● February 23, 2006

Operations/Reliability

- ■ Experienced one TLR Level 5 event in Jan. MEC Control area in Iowa
 - Hills-Montezuma 345kV circuit – Flowgate 6169
- Three frequency excursions which met the threshold to trigger NERC review. MISO was not a contributor to any of these.
 - 59.93 Hz 1/1 & 1/25
 - 60.06 Hz 1/30
- Implemented consistent criteria for managing constraint deadbands. Used to minimize LMP volatility. MSC report next month.

Computer System Performance

- Experienced improvements in DA post times and UDS solve times.
- Experienced ICCP server issues on 1/31 & 2/1
 - Routine failover to backup server did not work
 - System application changes made and operational parameters were reset
 - Plan to upgrade server/application combination. Scheduled for 2/17 completion
- Working with vendors for design costs and timelines for market improvement system changes

Markets

- **Annual FTR Allocation underway**
 - Nomination and allocation will run from March 2nd to April 25th
- **Continue study of benefits of Ancillary Services market and BA consolidation of certain functions**
 - Next stakeholder meeting March 7th
 - FERC Compliance filing April 1st

Transmission Services

- **Processed eight yearly transmission service requests in Jan.**
 - 38 remaining in backlog
- **Increase in requests older than 195 days old due to one study with 30 requests**
- **Received acceptance from FERC on RECB filing on how costs associated with new facilities should be handled**
 - FERC to set a tech conf on cost sharing %
 - Filing date for regionally beneficial projects moved up to June

Real Time Dynamic Dispatch

- ■ **System used to allow MP's with generator units outside MISO to offer into the market**
 - **Submitted via E-Tags**
 - **Contain an energy offer similar to internal offers**
 - **The E-Tag would list specific sources (MHEB_DYN) so they could be easily identified**
 - **Settled at an external proxy bus by commercial node**
 - **A real time signal is sent every 4-10 seconds defining the requested energy delivery – basically a dynamic schedule from outside the footprint to the market**

RDD – Continued

- **Real Time Market only – not valid in Day Ahead**
 - **Hedging can be accomplished using Virtual Transactions**
- **Resource(s) must be capable of following Real Time (4 second) signal**
- **Signal sent via ICCP**
- **Transmission service up to the MISO border must be firm**
- **Ramp limitations will be defined ahead of time on a per interface basis by the CA**
- **Transaction settlement based on an interface defined solely for the External Dispatchable Dynamic**

Settlements

- ■ **Day 1 – Schedule 2**
 - **MISO to take over billing for Sched 2**
 - **Reactive Supply and Voltage Control**
 - **ATC Customers will not be double-billed for Sched 2**
 - **Prior to any MISO billing of past months, MISO will ensure ATC has made adjustment to customer**

Settlements

- **RSG Dispute rate lowered in recent weeks to approximately 100 per week**
- **Disputes Received Per Week:**
 - All to Date: 292
 - Prior to Patch 7 (8/15/05): 430
 - After Patch 7 (8/15/05): 171
 - After Patch 8 efix (12/10/05): 60
- **Backlog stands at around 1400 Disputes**
 - Closing approximately 200 more per week than are being generated
 - Expect to be caught up by April 1

Settlements

- **RSG Make Whole Payment disputes decreased since January 1 from 1,990 to 1,425 on February 16.**
 - **Result of software patches installed since August to improve data flow**
- **Applied Patch to DART Application in January that allows for Manual Data Repair of First and Last Hour RSG Make Whole Payment Eligibility. This will further reduce incoming RSG Disputes.**

Settlements

- **As a result of ICCP outage, MISO has exempted all generation assets from RT UD penalties for the outage period.**
- **Resettlement Scheduled to commence on April 1st, 2006 for April 1st, 2005.**

Questions?

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