



# Operating Committee Summary

**Operating Committee**  
**PJM Conference & Training Center, Audubon, PA**  
**March 8, 2016**  
**9:00 a.m. – 2:00 p.m. EPT**

## Administration

The OC Agenda for this meeting was approved.

Draft Minutes of the February 9, 2016 OC meeting and the February 24, 2016 OC Special Session were reviewed and approved.

The OC Work Plan was reviewed.

## Review of Operations

### Review of Operational Events

Mr. Chris Pilong, PJM, reviewed PJM Operations since the last OC Meeting. The review included a brief recap of January 2016 operational statistics, and a partial summary of February 2016 events. The January statistics included a BAAL performance of 99.8% and no Disturbance Control Standard (DCS) reportable events. The February summary included 2 Cold Weather Alerts, 1 Synchronous Reserve event and 2 Shared Reserve events.

## Endorsements / Approvals / Second Readings

### Manual 01 Changes

Mr. John Smith, PJM, reviewed proposed changes to Manual 01: Control Center and Data Exchange Requirements. Changes included administrative updates to references and naming conventions, as well as the addition of Section 3.8 for planning, coordination and notification of system changes and events. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

### Regional Transmission and Energy Scheduling Practices Changes

Mr. Chris Pacella, PJM, reviewed proposed changes to the Regional Transmission and Energy Scheduling Practices document. The proposed changes were driven by the gas/market timeline alignment effort. Revisions related to the generator offer flexibility proposal, which were reviewed during the February 9 first read have been removed from this redline and deferred to a later revision. The changes impact Sections 1.4, 1.6, and 2.1.2.2. This review is being provided to the Operating Committee for informational purposes.

### Performance Assessment Hour Ramp Rate

Ms. Rebecca Stadelmeyer, PJM, presented proposed revisions to the PJM Tariff and Manual 18: PJM Capacity Market, related the Performance Assessment Hour Ramp Rate interim solution. **The Operating Committee endorsed the Ramp Rate interim solution with 22 objections and 0 abstentions.**

## Manual 12 Changes

Mr. Sree Yeddanapudi, PJM, reviewed a proposed revision to Manual 12: Balancing Operations. The revision consisted of a new attachment to the manual, Attachment F: Dynamic Transfers. Attachment F provides details of PJM business rules for implementing Dynamic Transfers. **The Operating Committee endorsed these changes with 0 objections and 2 abstentions.**

## First Readings

There were no items scheduled for First Read during this Operating Committee Meeting.

## OC Subcommittee / Task Force Updates

### System Operations Subcommittee (SOS)

Mr. Chris Pulong provided a summary of the most recent SOS meeting.

### Systems Information Subcommittee (SIS)

Mr. Mike Del Viscio, PJM, provided a summary of the most recent SIS meeting.

### System Restoration Coordinators Subcommittee (SRCS)

Mr. Ryan Lifer, PJM, provided a summary of the most recent SRCS meeting and reviewed the 2016 Spring RTO restoration drill which was held February 22 – 24, 2016.

### Metering Task Force (MTF)

Ms. Nancy Huang, PJM, provided a brief verbal summary of MTF activity since the last OC meeting.

## Primary Frequency Response Discussion

### PJM RTO Primary Frequency Response

Ms. Danielle Croop, PJM, provided an overview of the BAL-003-1 Requirement 1 NERC implementation timeline, as well as an update on PJM's Frequency Response Performance with respect to the new standard. BAL-003-1 requirement 1 becomes effective on April 1, 2016, with the first Frequency Response event collection period occurring December 2016 – November 2017, and the first Balancing Authority Frequency Response Measure reporting (for Dec. 2016 – Nov. 2017) occurring in March 2018. Currently PJM is participating in field trial performance testing to calculate performance with respect to the new requirement. Using the new performance calculation methodology, PJM's Frequency Response Measure has exceeded the Frequency Response Obligation every year for which PJM calculated the performance (back to 2011), including the year-to-date performance for 2016.

Ms. Croop also provided a brief overview of FERC's recent Notice of Inquiry (NOI) related to the rules and regulations for Frequency Response provisioning and compensation. PJM is still reviewing the NOI, and will update stakeholders at the April OC.

## Tool and Informational Updates

### NERC and Regional Coordination Update

Mr. Bill Temple, PJM, provided an update on NERC, SERC and RFC standards and other pertinent regulatory and compliance information, and solicited feedback from the members on the N&RC

departmental efforts. A review of the PRC-012-2 standard was provided. This standard is currently under development. Standards subject to future enforcement were also reviewed, including a number of BAL, COM, MOD, PER and PRC standards which become enforceable on July 1, 2016.

## **Review of Operating Metrics**

Ms. Chantal Hendrzak, PJM, reviewed the PJM Operating Metrics Slides, updated with January metrics data. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch performance.

## **Synchronous Reserve Performance**

Mr. Tom Hauske, PJM, provided an update on Synchronous Reserve Performance for 2015 Q4. There have been 21 Synchronous Reserve events so far in 2015, with 4 of those events occurring in Q3 (none of these 4 were > 10 minutes in duration). A breakdown of resource performance during these events was also provided, along with a summary of the associated credits and penalties which were assessed.

## **NERC Lessons Learned**

There were been no new NERC Lessons Learned posted since the last OC meeting.

## **Pricing Interface Update**

There were no new or updated Closed Loop Interfaces implemented since the last OC.

## **Combined Cycle Modeling Update**

Mr. Tom Hauske, PJM, provided an update on the [combined cycle unit modeling issue](#). The issue is currently on hold, however, Mr. Hauske reviewed the Combined Cycle (CC) modeling options available using the currently existing system. These options include: using adjustable no-load to create CC offer curve, using a segmented ramp rate to model the timing of configuration changes, changing Eco Min hourly to indicate available configurations, and using a pseudo model to separate configurations into separate market units.

## **PPL SPS Retirement**

Mr. Paul Santarelli, PPL Electric Utilities, discussed the retirement of the Susquehanna Unit 1 stability trip scheme in the PPL transmission zone.

## **Dominion SPS Retirement**

Mr. Lagy Mathew, PJM, discussed the retirement of the Carolina "22" SPS in the Dominion transmission zone.

## **Capacity Performance**

### **Unit Specific Parameter Process Implementation**

Ms. Alpa Jani, PJM, provided an update on the implementation of the Unit Specific Parameter process. PJM is currently in the process of reviewing each adjustment request, and will be reaching out to market sellers to discuss.



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## **Real Time Values Implementation**

Mr. Ray Fernandez, PJM, reviewed an example of how Real Time Values will be handled from a settlements perspective. Future discussion on this topic will be included as a future Market Implementation Committee (MIC) agenda item.