

Operating Committee  
PJM Conference & Training Center, Audubon, PA  
June 6, 2017  
9:00 a.m. – 1:45 p.m. EPT

## Administration

The Agenda for this meeting was approved.

Draft Minutes of the May 3, 2017 OC meeting 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 complete summary of April 2017 operational events, and a partial summary of May 2017 events. The April summary included 1 Disturbance Control Standard (DCS) event, 1 Synchronous Reserve event and 1 Shared Reserve event. The May partial summary included 1 Synchronous Reserve event, 1 Hot Weather Alert and 3 Shared Reserve events.

### Review of Operating Metrics

Mr. Joe Ciabattoni, PJM, reviewed the PJM Operating Metrics slides updated with May metrics data. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch performance.

## Endorsements / Approvals

### Manual 39 Changes

Mr. Vince Stefanowicz, PJM, reviewed proposed changes to *Manual 39: Nuclear Plant Interface Coordination*. The changes involved revisions to Section 3.1, Attachment C and Attachment A – Section 5. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

## First Readings

### Manual 01 Changes

Mr. Ryan Nice, PJM, reviewed proposed changes to *Manual 01: Control Center and Data Exchange Requirements*. The changes involved corrections to previous revisions related to the Metering Task Force efforts, as well as changes to comply with NERC Standards COM-001-3 and TOP-001-3. The Operating Committee will be asked to endorse these changes at the next OC meeting.

## OC Subcommittee / Task Force Updates

### System Operations Subcommittee (SOS)

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

## Data Management Subcommittee (DMS)

Mr. Andy Ford provided a summary of the most recent DMS meeting.

## System Restoration Coordinators Subcommittee (SRCS)

There was no SRCS update provided this month.

## Current Issues

### Primary Frequency Response

Mr. David Schweizer, PJM, provided an update notifying stakeholders that the Primary Frequency Response Issue Charge had been endorsed by the Markets and Reliability Committee (MRC) at the May 25, 2017 meeting. A new senior task force is currently being assembled in order to work this issue.

## Tool and Informational Updates

### NERC Lessons Learned

Mr. Phil D'Antonio, PJM, reviewed the NERC Lessons Learned reports posted on May 16, 2017. A detailed review of a previously presented Lessons Learned event was also provided. This detailed review covered the low frequency event which impacted the California ISO system (WECC Interconnection) on November 9, 2016.

### Transient Shortage Pricing (Order 825)

Mr. Joe Ciabattone presented observations of recent changes applied to the Transient Shortage Pricing mechanism. As a result of the changes implemented on May 11, 2017, PJM's IT SCED application is no longer involved in the process for triggering a shortage pricing event. The triggering process calculation is now handled solely by RT SCED. PJM plans to provide reserve values calculated by RT SCED-based pricing run through the Data Viewer application by no later than August of 2017.

### Synchronous Reserve Performance

Mr. Dave Kimmel, PJM, provided an update on synchronous reserve performance for Q1 of 2017. There were a total of 9 synchronous reserve events during that time, with 1 of those events being greater than 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.

### Regulation Update

Mr. Eric Hsia, PJM, provided an update on Regulation Performance. PJM implemented new regulation requirements and a corresponding regulation signal on January 9, 2017. Signal tuning has occurred since implementation to enhance signal performance. Since this deployment, PJM has observed improved ACE control. Additional design components developed by the Regulation Market Issues Senior Task Force (RMISTF), including the replacement of the Benefit Factor term with the Regulation Rate of Technical Substitution, were presented as a first read to the MRC in March. A vote will take place at the June meeting. Performance statistics were provided for average median daily ACE, mileage ratio, and percent of time at full raise/lower (signal pegging).

## **Data Miner 2**

Mr. Thomas Zadlo, PJM, discussed upcoming changes and required stakeholder action associated with the new Data Miner 2 tool. This tool will replace PJM's current Data Miner application, and become the platform for all publicly available data provided by PJM. The Data Miner 2 tool has a planned go-live target of August 2017. There will be a one-year transition period during which data will still be available through the current flat file posting sources.

## **Distributed Energy Resources (DER) Stakeholder Update**

Mr. Mike Del Viscio, PJM, and Mr. Scott Baker, PJM, provided an update on the Stakeholder efforts and processes associated with DER. The MIC Special Session group responsible for addressing DER issues may require feedback from or endorsement by the OC on certain topics. As a result, a standing agenda item will be added to future OC agendas to keep members informed, and to obtain feedback.

## **Fuel Attributes and Resilience Next Steps**

Mr. Mike Bryson, PJM, discussed PJM's approach to assessing and addressing system resiliency, and presented a resilience roadmap showing short-term, mid-term and long-term plans. The roadmap covered aspects of PJM Operations, Markets and System Planning, as well as incorporating goals related to physical security and cybersecurity.

## **NERC and Regional Coordination Update**

Mr. Preston Walker, PJM, provided an update on NERC, SERC and RF standards, and other pertinent regulatory and compliance information, and solicited feedback from the members on N&RC efforts. Several project updates were provided, including the drafting of RF regional reliability standard BAL-502-RF-03 which is currently in the industry review and comment phase. Standards subject to future enforcement were also reviewed, including MOD-033-1 and TPL-007-1 which become enforceable on July 1, 2017.

## **PJM Markets Certification Program**

Ms. Rebecca Gerber, PJM, reviewed details of the PJM Market Certification Program which was developed to offer a voluntary certification of PJM Markets and business rule knowledge. Initial test samples will be offered to interested candidates beginning in early July of 2017.

## **Black Start Request for Proposal (RFP) Black Start RFP Discussion**

### **Black Start RFP Discussion**

Mr. David Schweizer, PJM, led a discussion related to PJM's RTO-wide Black Start RFP process, and gathered stakeholder feedback. PJM plans to issue the next Black Start RFP in January of 2018, with a targeted deadline of May 1, 2018 for RFP responses. PJM will then evaluate responses and select Black Start resources for a system restoration plan in accordance with the NERC EOP-005 standard. The implementation date for the new restoration plan will be April 1, 2020.