

Operating Committee
PJM Conference & Training Center, Audubon, PA
February 7, 2017
9:00 a.m. – 12:15 p.m. EPT

Administration

The Agenda for this meeting was approved.

Draft Minutes of the January 10, 2017 OC meeting were reviewed and approved.

The OC Work Plan was reviewed.

Review of Operations

Review of Operational Events

Mr. Phil D'Antonio, PJM, reviewed PJM Operations since the last OC Meeting. The review included a complete summary of December 2016 operational events, and a partial summary of January 2017 events. The December summary included 1 High System Voltage event, 2 Synchronous Reserve events, 2 Cold Weather Alerts and 5 Shared Reserve events. The January partial summary included 5 Synchronous Reserve events, 2 High System Voltage events and 2 Shared Reserve events. Details of the January 15 Synchronous Reserve event were also shared.

Review of Operating Metrics

Mr. Ken Seiler, 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.

Endorsements / Approvals

Draft Pseudo-Tie Agreements

Ms. Jacqui Huges, PJM, reviewed draft versions of a pro forma pseudo-tie agreement and a reimbursement agreement for pseudo-ties into PJM. The purpose of these agreements is to provide a standard set of FERC-accepted rules for all pseudo-ties, ensure compliance with all NERC and FERC requirements, clarify responsibilities for each party involved and address the management of any associated congestion with entities for which PJM does not have a congestion management agreement. Associated revisions to Attachment K of the Open Access Transmission Tariff (OATT) and Schedule 1 of the Operating Agreement (OA) were also reviewed. **The Operating Committee endorsed the pseudo-tie agreements and associated OATT and OA revisions with 24 objections and 12 abstentions.**

Manual 01 Changes

The endorsement of Manual 01, revision 34 was deferred until the March 7, 2017 OC meeting in order to incorporate feedback received at the February 2, 2017 System Operations Subcommittee meeting.

Sunset of Metering Task Force (MTF)

Ms. Nancy Huang, PJM, reviewed the accomplishments of the MTF and proposed that the task force be sunset. **The Operating Committee endorsed this proposal with 0 objections and 0 abstentions.**

First Readings

Manual 37 Changes

Mr. Phil D'Antonio reviewed proposed changes to *Manual 37: Reliability Coordination*. The changes were in support of several NERC compliance updates, as well as the manual's periodic review. Section 2.2 was updated with references to PJM Manual 01 and Joint Operating Agreements. Numerous administrative changes were made to Attachment A, and throughout several other sections of the manual. The Operating Committee will be asked to endorse these changes at the next OC meeting.

Manual 13 Changes

Mr. Phil D'Antonio reviewed proposed changes to *Manual 13: Emergency Operations*. The changes were a result of the new NERC EOP-011 standard, and involved updates to Section 2, Section 5 and the creation of Section 7. 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. Phil D'Antonio provided a summary of the most recent SOS meeting.

Data Management Subcommittee (DMS)

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

System Restoration Coordinators Subcommittee (SRCS)

The SRCS summary was deferred until the March 7, 2017 OC meeting.

Capacity Performance (CP)

Unit Specific Parameter Process Update

Mr. Tom Hauske, PJM, provided an update on the implementation of the Unit Specific Parameter process. The deadline to submit adjustment requests for the 2017/18 Delivery Year is February 28, 2017.

Performance Assessment Hour (PAH) Scenario

Mr. Joe Ciabattoni, PJM, reviewed two hypothetical PAH scenarios using actual data from the peak load hours of August 11, 2016. Using a set of assumptions, performance charges and bonuses were calculated for one PAH event impacting the entire RTO, and then for another event impacting only the mid-Atlantic region.

Real Time Values

Mr. Joe Ciabattoni reviewed PJM's Real Time Values process. The review included applicable implementation details of FERC's recent Order stating that natural gas generators may receive make whole payments during ratable take events.

Tool and Informational Updates

Ramapo Phase Angle Regulators (PARs)

Mr. Stan Williams, PJM, reviewed a proposal by PJM and NYISO to initiate a joint stakeholder process related to the Ramapo substation PARs. The goal of the effort would be to determine an appropriate approach for a possible replacement PAR, including development of cost recovery mechanisms for the replacement and associated operation and maintenance costs. The location of these joint stakeholder meetings would alternate between NYISO and PJM offices, and dates are currently being explored.

Regulation Performance

Mr. Eric Hsia, PJM, provided an update on Regulation Performance. New regulation signals were recently endorsed by PJM stakeholders, and implemented in operations. Initial results are showing that the new signals are providing improved ACE control, and additional analysis is being performed as more data is collected. A breakdown of regulation performance by fuel type was also provided.

PJM Model Improvement Efforts in 2016

Ms. Nicole Scott, PJM, and Mr. Mark Sims, PJM, reviewed the accomplishments of PJM's 2016 modeling improvement efforts. The effort yielded improvements in various areas of system modeling including impedance accuracy and alignment, facility mapping between different models, and accuracy of congestion modeling in the day-ahead market. Modeling improvement efforts will continue in 2017 with an expanded focus into other areas such as equipment ratings and reactive capability curves.

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 NERC standards currently under development were reviewed including EOP-004-4, PER-003-1 and PER-004-2. Standards subject to future enforcement were reviewed, including several EOP, FAC, IRO, MOD, PRC and TOP standards which become enforceable on April 1, 2017.

NERC Lessons Learned

There were no new NERC lessons learned reports posted since the last OC.

Pricing Interface Update

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

Information Only

PJM/NYISO Wheel Termination

On January 31, 2017, in Docket No. ER17-905-000, the New York Independent System Operator, Inc. (NYISO) and PJM (collectively the RTOs) submitted proposed revisions to the PJM-NYISO JOA. [Version 4 of the Whitepaper](#) and the [revised JOA sections](#) have been posted on the PJM website.