



Operating Committee Summary

Operating Committee
PJM Conference & Training Center, Audubon, PA
September 13, 2016
9:00 a.m. – 12:00 p.m. EPT

Administration

The Agenda for this meeting was approved.

Draft Minutes of the August 9, 2016 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. An overview of summer 2016 operations was also provided. Data gathered since 2013 shows that summer 2016 was the hottest summer in the last 4 years from numerous statistical standpoints including the number of days above 90 degrees, total MWh of load served, and the number of Hot Weather Alerts issued. However, the instantaneous peak load from summer 2013 was higher than that of summer 2016. On average, the PJM generation fleet had 10,000 – 13,000MW of unavailable generation during the summer 2016 Hot Weather Alerts, and the transmission system showed strong voltage profiles with adequate IROL interface margins.

Review of Operating Metrics

Mr. Ken Seiler, PJM, reviewed the PJM Operating Metrics Slides, updated with July metrics data. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch performance.

Endorsements / Approvals

Manual 03A Changes

Ms. Diane Lake, PJM, reviewed proposed changes to *Manual 03A: Energy Management System (EMS) Model Updates and Quality Assurance (QA)*. The changes included a new appendix defining a process checklist for energizing new equipment. Several administrative updates were also made. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

Manual 01 Changes

Mr. Ryan Nice, PJM, presented proposed changes to *Manual 01: Control Center and Data Exchange Requirements*. These changes included the proposed updates to Section 5 resulting from the Metering Task Force efforts. The changes also included administrative updates, and the expansion of roles which require PJM communication protocols training. **The Operating Committee endorsed these changes with 0 objections and 1 abstention.**

First Readings

There were no first readings scheduled for this 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, PJM, provided a summary of the most recent DMS meeting.

System Restoration Coordinators Subcommittee (SRCS)

The SRCS had not met since the last OC meeting.

Capacity Performance

Unit Specific Parameter Process Update

Ms. Alpa Jani, PJM, provided an update on the implementation of the Unit Specific Parameter process. The update included a reminder of process background information, as well as the addition of proxy parameters for Capacity Storage Resources which PJM is proposing to incorporate into the Unit Specific Parameter process for Delivery Year 2017/18.

Performance Assessment Hour (PAH) Examples

Ms. Rebecca Stadelmeyer, PJM, reviewed several PAH scenarios. These scenarios involved resources with assigned regulation as well as resources designated for operating reserves.

Tool and Informational Updates

NERC and Regional Coordination Update

Mr. Sri Kappagantula, 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. Several NERC standards currently under development were reviewed including IRO-002-5 and TOP-001-4. Standards subject to future enforcement were also reviewed, including FAC-003-4 and MOD-031-2 which become enforceable on October 1, 2016.

PJM/NYISO Wheel Termination

Mr. Phil D'Antonio, PJM, provided a status update on the development of new operating protocols for the PJM/NYISO interface. Preliminary analysis was performed using both EMS and seasonal peak PSS/E (Operations Assessment Task Force) cases to determine the feasibility of supporting PJM/NYISO transfers of 2500MW (to NYISO) and 1500MW (to PJM) while meeting target flow amounts across the 3 PJM/NYISO merchant facilities. The analysis showed power flow cases which non-converged, or which converged but could not meet distribution targets with PAR tap settings exhausted. As a result, an alternative approach is being considered which applies a combination of two concepts: using the Operational Base Flow as a starting point and applying interchange distribution percentages across the tie facilities. Further details can be found in a [whitepaper created by NYISO](#).

NERC Lessons Learned

Mr. Phil D'Antonio reviewed a new NERC Lessons Learned report related to tie line relay coordination.

2017 Budget Update

Mr. Jim Snow, PJM, reviewed PJM's preliminary 2017 capital budget. The preliminary budget of \$38M is allocated to projects across several categories including current applications, technology infrastructure, application replacements, interregional coordination and new products and services. The Finance Committee expects to provide PJM's Board of Managers with the 2017 budget recommendation letter on October 3, after which the Board of Managers will formally consider of the proposed 2017 budget.

Synchronous Reserve Performance

Mr. Dave Kimmel, PJM, provided an update on synchronous reserve performance for 2016 Q2. There were 3 Synchronous Reserve events in 2016 Q2, with 1 of those events lasting > 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.

Transmission Outage

Mr. Lagy Matthew, PJM, reviewed details of an extended transmission outage for the 2016/17 winter season. The Elmont-Cunningham 500kV line in Dominion will be rebuilt under RTEP project b2582. The outage will begin in October of 2016 and last through the 2016/17 winter peak season, returning in time for summer 2017. A subsequent outage will then be taken beginning in the fall of 2017 to complete the project. The rebuilt line is expected to be in-service on or before 6/1/2018. Operational impacts caused by this outage include minor, localized thermal and low voltage violations.

ComEd Special Protection Scheme (SPS)

Mr. Mohit Singh, ComEd, presented details around the removal of ComEd's SPS at Cordova Energy Center. The stability issues for which the SPS was initially implemented have been mitigated by independent pole operated circuit breakers at the Quad Cities substation. The SPS is expected to be removed by the end of 2016.

Cold Weather Event Analysis

[A brief video](#) was shown to OC members. The video was prepared by NERC, and presented at the September 1, 2016 NERC Webinar for cold weather preparation.

Pricing Interface Update

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

Information Only

eDART Refresh Overview

For informational purposes only, an overview of plans for the future eDART application refresh was posted with the meeting materials. This information will be formally presented to stakeholders at the October OC meeting.