

## Reliability Standards and Compliance Subcommittee

### WebEx and Meeting

Thursday, February 18, 2016

10:00 am to 12:00 pm EPT, Valley Forge, PA

Mr. Moleski reminded the Subcommittee that the WebEx's are now recorded for the convenience of the Members who could not make the meeting. No objections were raised.

## 1) Administration

### a) Call to Order / Role Call (Mr. Moleski)

#### Subcommittee Members:

\*Thomas Moleski, Secretary

Scott Berry

David Blackshear

Nicole Buckman

Kathy Caignon

Vince Catania

Hugh Conley

Jeff Currier

Elizabeth Davis

Connie Davis

Bridget Dawson

R. Bruce Day

Pati Esposito

Claudine Fritz

David Fusek

Kristy Gedman

Marlene George

Dan Griffiths

Mike Grimes

Stacey Harman

Doug Hohlbaugh

Chip Humphrey

Mike Hurd

Art Iler

Louise James

David B. Jenkins

George Kogut

Christy Koncz

Joyce Leya

John Loftis

Connie Lowe

Sr. Compliance Specialist, NERC and Regional Coordination Dept.

Indiana Municipal Power Agency

Gridforce Energy Management, LLC

PEPCO Holdings, Inc.

Vineland Municipal Electric Utility

Exelon Business Services Company, LLC

Duquesne Light Company

Dominion Virginia Power

Talen Energy Marketing, LLC

City of Cleveland, DPU, Div of Cleveland Public Pwr

Duquesne Light Company

Constellation Energy Commodities Group, Inc.

TransCanada Power Marketing Ltd.

PECO Energy Company

Appalachian Power Company

Essential Power LLC

UGI Utilities, Inc.

Consumer Advocates of PJM States

EDP Renewables North America, LLC

Baltimore Gas and Electric Company

FirstEnergy Solutions Corp.

Dominion Energy Marketing, Inc.

Dayton Power & Light Company (The)

American Municipal Power, Inc.

Dominion Energy Marketing, Inc.

Dominion Virginia Power

New York Power Authority

Public Service Electric & Gas Company

Duquesne Light Company

Virginia Electric & Power Company

Dominion Virginia Power

Laura Lumbrazo  
James Manning  
Yohannes Mariam  
Lisa McAlister  
Patricia McBride-Rowe  
Kevin McKinney  
Claudia Meluni  
Quinn Morrison  
Jeffrey Mueller  
Chris Norton  
Munjal Patel  
Kevin Patten  
Peg Petrusa  
Ruth Price  
Jason Procnuniar  
Stephanie Rhoads  
\*Sherri Rhodes  
Joe Roettker  
Bruce Samblanet  
John Seelke  
Stan Sliwa  
Joseph Smith  
William Smith  
Bob Thomas  
David Thorne  
Brenda Truhe  
Wayne Van Liere  
\*Steve Wittenauer  
Katherine Zvomuya

**PJM Staff:**

\*Thomas Bowe  
\*Denzel Golay  
\*Michael Herman  
\*Bradley Hofferkamp  
\*Srinivas Kappagantula  
\*Mark Kuras  
\*Sebastian Newton  
\*Stanley Sliwa  
William Temple

\*Attended in Person

Rockland Electric Company  
North Carolina Electric Membership Corporation  
Office of the Peoples Counsel for the District of Columbia  
American Municipal Power, Inc.  
Duquesne Light Company  
Baltimore Gas and Electric Company  
PEPCO Holdings, Inc.  
Exelon Business Services Company, LLC  
Public Service Electric & Gas Company  
American Municipal Power, Inc.  
NRG Power Marketing LLC  
Appalachian Power Company  
Commonwealth Edison Company  
Division of the Public Advocate of the State of Delaware  
Dayton Power & Light Company (The)  
PPL Electric Utilities Corp. dba PPL Utilities  
FirstEnergy Solutions Corp.  
Duke Energy Ohio, Inc.  
Appalachian Power Company  
Public Service Electric & Gas Company  
Exelon Business Services Company, LLC  
Public Service Electric & Gas Company  
FirstEnergy Solutions Corp.  
Illinois Municipal Electric Agency  
Potomac Electric Power Company  
PPL Electric Utilities Corp. dba PPL Utilities  
Louisville Gas & Electric Co./Kentucky Utilities Co.  
FirstEnergy Solutions Corp.  
City of Cleveland, DPU, Div of Cleveland Public Pwr

Executive Director, PJM Compliance  
Co-Op, CIP Compliance  
Sr. Engineer, PJM Transmission Planning  
Lead Analyst, PJM CIP Compliance  
Sr. Analyst, NERC and Regional Coordination.  
Sr. Lead Engineer, NERC and Regional Coordination.  
Co Op, NERC and Regional Coordination.  
Sr. Engineer, Transmission Planning  
Sr. Lead Compliance Analyst, NERC and Regional Coordination.

**b) Review of Administrative Documents (Mr. Moleski)**

- i) Antitrust Guidelines
- ii) Code of Conduct
- iii) Compliance Disclaimer
- iv) Media Statement

There were no questions raised on the administrative documents

**c) Approval of Agenda (Mr. Moleski)**

The Agenda was approved as presented.

**d) Approval of the January 15, 2016 Meeting Minutes (Mr. Moleski)**

The January 15, 2016 minutes were approved as presented.

## 2) PJM Compliance Activities

**a) Manual Updates**

- i) There were no manuals presented to the Subcommittee

**b) NERC Standard Drafting Team Opportunities (Mr. Moleski)**

- i) Project 2016-EPR-01 Enhanced Periodic Review of Personnel Performance, Training, and Qualifications Standards covers PER-001-0.2, PER-003-1, and PER-004-2a. The stated purpose is that RC, BA, and TOP operating personnel must have sufficient competencies, responsibility and authority to implement real-time actions to ensure the stable and reliable operation of the Bulk Electric System. Likely that PJM Training Department will place someone on this SDT.
- ii) Project 2016-EPR-02 Enhanced Periodic Review of Voltage and Reactive Standards will cover VAR-001 and VAR-002. Generator Operators, and Transmission Operators, must ensure that voltage levels, reactive flows, and reactive resources are monitored, controlled, and maintained within limits in Real-time to protect equipment and the reliable operation of the Interconnection. Likely that PJM Operations Department will place someone on this SDT.

**c) Compliance Bulletin 017**

- i) Mr. Moleski reviewed the updated version of CB017. Compliance Bulletin 17 has not made it all the way through the PJM approval process, so it is not available for distribution. Mr. Moleski described the changes as largely administrative. The Standard version has changed, and one of the paragraph references has changed. The substance of the Bulletin is the output of the largest unit in PJM, and that has unchanged since the previous version. (1,480 MWs)

**d) Updated GOP compliance contacts**

- i) Mr. Moleski reported that the GOP Compliance Contacts spreadsheet has been updated and posted to the web. This is a condensed output from PJM's Resource Tracker Program. Resource tracker is updated twice a year, and this posting is the result of the December update. The most recent version can be found at:  
<http://www.pjm.com/~media/documents/whitepapers/compliance/go-compliance-contact-list.ashx>

- e) **Compliance for SERC companies to NERC Standards MOD-017 through MOD-021**
  - i) Mr. Kuras updated the Subcommittee on recent correspondence PJM has had with SERC regarding MOD-017 through MOD-021 data for 2016. SERC's reporting process will remain unchanged in 2016. SERC will accept the load data that PJM uploads into the SERC portal. Mr. Kuras stated that SERC further confirmed that this will not change under the MOD-031 requirements.
- f) **PJM's Annual TPL documentation including the 2015 RTEP Baseline Assessment and the 2015 RTEP Maximum Credible Disturbance Reports**
  - i) Mr. Herman reported that PJM is in the process of transitioning into the new TPL-001-4 standard. This standard has a phased implementation through 2016. PJM will be fully compliant with the new standard within the 2016 calendar year.
  - ii) The 2015 RTEP Baseline Assessment is public and has been distributed to all applicable entities. Contains a high level description of all of the analysis that goes into PJM's near term and long term planning. Identifies the more than 300 upgrades PJM put into place in 2015, in addition to every active baseline upgrade prior to 2015.
  - iii) The 2015 RTEP Maximum Credible Disturbance Report is a secure document that has been released in a targeted fashion to the entities required by the standards.
- g) **Version 9.1 of the PJM TO/TOP Matrix**
  - i) Mr. Kappagantula highlighted the changes made to create v9.1 of the TO/TOP Matrix.
  - ii) The Transmission Owners Agreement-Administrative Committee (TOA-AC) approved TO/TOP Matrix V9.1 on January 26, 2016
  - iii) TO/TOP Matrix V9.1 is effective January 26, 2016
  - iv) Clean and Redline versions are posted on PJM website at two locations:
    - (1) PJM web-documents-Compliance  
<http://pjm.com/documents/compliance.aspx>
    - (2) PJM web-committees and groups-TO/TOP Matrix Subcommittee  
<http://pjm.com/committees-and-groups/subcommittees/ttms.aspx>
- h) **PJM's approach to reviewing the recommendations in the FERC-NERC-Regional Entity Joint Review of Restoration and Recovery Plans report.**
  - i) NERC published a report on the "FERC-NERC-Regional Entity Joint Review of Restoration and Recovery Plans" on January 29<sup>th</sup>, 2016. The objective of the review was to assess and verify the electric utility industry's bulk power system recovery and restoration planning, and to test the efficacy of the related Reliability Standards in maintaining and advancing reliability in that respect.
  - ii) During the course of the study leading up to the plan, PJM hosted FERC, NERC, and RF observers at PJM's spring restoration drill in 2015. Additionally, RF observers participated in PJM's fall restoration drill. This participation allowed regulators to experience first-hand how PJM and its members conducted restoration drills in accordance with the reliability standards.
  - iii) The review team generally characterized the TO Restoration Plans as thorough and highly detailed. In the report, the review team made eight operations and planning recommendations and seven cyber related recommendations.
  - iv) PJM is reviewing the report, and will be meeting internally in late February to address the recommendations, and develop action plans where appropriate. PJM will share the results of our analysis and approach to the recommendations with the RSCS when the information becomes available.



**i) PJM's voting position on Upcoming Standards.**

- i) Mr. Temple reviewed the February 11, 2016 e-mail to the RSCS on Project 2010-05-3. This was in response to several stakeholders asking for individual updates on PJM's voting position. PJM will be using this approach in the future to keep the RSCS community apprised of PJM's voting positions as soon as they become available.

### 3) FERC Activities

**a) Recent compliance related FERC activities (Mr. Temple, Panel)**

- i) There were no recent compliance related FERC activities discussed.

### 4) NERC and Regional Activities

**a) Committee Updates (Mr. Moleski)**

- i) The Reliability First Standards Committee will be announcing shortly that it is soliciting comments on BAL-502-RFC-02, This is the RF Planning Resource Adequacy Analysis, Assessment and Documentation Standard. This standard applies to PJM and MISO. In the announcement that RF will be posting shortly, RF is soliciting whether entities believe that the Standard should be reaffirmed, revised, or retired. PJM is currently discussing our position internally with System Planning, but is currently leaning towards keeping the Standard. More details about PJM's position will be shared once the announcement is published.

**b) Standards Under Development (Mr. Temple)**

- i) Project 2010-14.2.1 Phase 2 of Balancing Authority Reliability-based Controls
- (1) BARC 2 Periodic Review Team (PRT) recommended to revise BAL-005-0.2b and BAL-006-2. Second drafts of BAL-005-1 and FAC-001-3 are posted for comments. Revisions to existing versions include the following:
    - (a) BAL-005-1: Retiring several requirements and moving/merging content of the remaining requirements. Previous version had 17 requirements, new one has seven.
    - (b) FAC-001-3: Added various sub-requirements to requirements of FAC-001-2 as a result of moving BAL-005-0.2b R1 to FAC-001-3.
  - (2) Final Ballot due February 8, 2016.
- ii) Project 2016-01 - Modifications to TOP and IRO Standards
- (1) On November 19, 2015, the FERC issued Order No. 817 approving nine TOP and IRO standards from Project 2014-03 and retiring or superseding 18 currently-enforceable standards. The proposed standards were developed in Project 2014-03 to address FERC concerns and reliability issues identified in the 2011 Southwest Outage Report, the Independent Experts Review Panel project, and stakeholder technical conferences. In approving the new TOP and IRO standards, FERC issued three directives to modify the TOP and IRO standards to address additional reliability issues.
    - Monitoring non-Bulk Electric System facilities
    - Redundancy and Diverse Routing of Data Exchange Capabilities
    - Testing of the Alternate or Less Frequently Used Data Exchange
  - (2) Comments due February 22, 2016

## 5) Future Agenda Items

No future agenda items recommended

## 6) Future Meeting Dates

Friday, March 18th, 2016	10:00 AM	WebEx
Friday, April 15th, 2016	10:00 AM	WebEx
Thursday, May 19th, 2016	10:00 AM	Meeting and WebEx
Friday, June 17th, 2016	10:00 AM	WebEx
Friday, July 15th, 2016	10:00 AM	WebEx
Thursday, August 18th, 2016	10:00 AM	Meeting and WebEx
Friday, September 16th, 2016	10:00 AM	WebEx
Friday, October 21st, 2016	Cancelled	
Thursday, November 17th, 2016	10:00 AM	Meeting and WebEx
Friday, December 16th, 2016	10:00 AM	WebEx

### Author: Thomas Moleski

#### Anti-trust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

#### Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

#### Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings.