

Markets and Reliability Committee
The Chase Center on the Riverfront, Wilmington, DE
November 19, 2015
9:00 a.m. – 12:30 p.m. EPT

Administration (9:00-9:05)

Welcome, announcements and Anti-trust and Code of Conduct announcement – Mr. Dave Anders

Endorsements/Approvals (9:05-10:40)

1. Draft Minutes (9:05-9:10)

Approve minutes of the October 22, 2015 and November 6, 2015 meetings of the Markets and Reliability Committee (MRC).

2. PJM Manuals (9:10-9:40)

- A. Mr. Ryan Nice will discuss proposed revisions to Manual 01: Control Center and Data Exchange Requirements regarding interpersonal communication requirements for NERC COM-001-2. **The committee will be asked to endorse these proposed revisions.**
- B. Ms. Nicole Scott will discuss proposed revisions to Manual 03: Transmission Operations regarding the bi-annual review to update operating procedures. **The committee will be asked to endorse these proposed revisions.**
- C. Ms. Chidiogo Ike-Egbuonu will discuss proposed clarifying revisions to Manual 12: Balancing Operations. **The committee will be asked to endorse these proposed revisions.**
- D. Mr. Eric Hsia and Mr. Chris Piong will discuss proposed Manual 13: Emergency Operations revisions regarding updates to Day Ahead Scheduling Reserve and additional updates. **The committee will be asked to endorse these proposed revisions.**
- E. Mr. McGlynn will discuss proposed revisions to Manual 14B: PJM Regional Transmission Planning Process regarding the considering Energy Market Uplift in the development of candidate RTEP projects. **The committee will be asked to endorse these proposed revisions.**
- F. Mr. Michael Herman will present proposed revisions to Manual 14B: PJM Regional Transmission Planning Process regarding NERC TPL-001-4 standards. **The committee will be asked to endorse these proposed revisions.**

3. Load Forecast Update (9:40-10:10)

- A. Mr. Tom Falin will review proposed revisions to Manual 19: Load Forecasting and Analysis regarding updates to the PJM load forecast model. **The committee will be asked to endorse the proposed revisions.**
- B. Mr. Jeff Bastian will review proposed revisions to Manual 18: PJM Capacity Market and Manual 18B: Energy Efficiency Measurement & Verification to accommodate EE Resources in the PJM Capacity Market when EE is reflected in the Peak Load Forecast. **The committee will be asked**

to endorse the proposed revisions.

4. Governing Documents Enhancement & Clarification Subcommittee (GDECS) (10:10-10:25)

Ms. Janell Fabiano will present proposed revisions to Tariff and Operating Agreement definitions presented to the GDECS. **The committee will be asked to approve the proposed updates.**

XX. Underperformance Risk Management in RPM/CP (10:25-10:40)

Mr. Bob O'Connell, on behalf of the members of the Supplier Caucus, will discuss a proposed Problem Statement and Issue Charge related to Underperformance Risk Management in RPM/CP. **The committee will be asked to approve the proposed Problem Statement and Issue Charge.**

First Readings (10:40-12:05)

5. Demand Response Non-Summer Capacity Compliance Clarification (10:40-10:55)

Mr. Pete Langbein will review draft Tariff and manual revisions to clarify the CBL process for new Capacity Performance non-summer capacity compliance for Demand Response. The committee will be asked to endorse these proposed revisions at its next meeting.

6. Virtual Transactions (10:55-11:10)

Mr. Adam Keech will present a proposed problem statement and issue charge regarding nodes at which virtual transactions may be made. The Committee will be asked to approve the problem statement and issue charge at its next meeting.

7. Distributed Battery Storage in PJM Markets (11:10-11:25)

Mr. Drew Adams, A.F. Mensah, Inc., will present a problem statement regarding Distributed Battery Storage in PJM Markets. The Committee will be asked to approve the problem statement at its next meeting.

8. Stakeholder Groups Sunset (11:25-11:45)

A. Mr. Anders will discuss proposed sunseting of the Cost Development Subcommittee (CDS). The Committee will be asked to approve sunseting the CDS at its next meeting.

B. Ms. Ford will discuss proposed sunseting of the Gas/Electric Senior Task Force (GESTF). The Committee will be asked to approve sunseting the GESTF at its next meeting.

9. PJM Manuals (11:45-12:10)

A. Mr. Schweizer will review proposed revisions to Manual 10: Pre-Scheduling Operations regarding generator outage reporting. The Committee will be asked to endorse these proposed revisions at its next meeting.

B. Mr. Tong Zhao will review conforming changes to Manual 11: Energy & Ancillary Services Market

due to the implementation of Capacity Performance. The Committee will be asked to endorse these proposed revisions at its next meeting.

- C. Mr. Jeff Schmitt will present proposed revisions to Manual 11: Energy & Ancillary Services Market related to the previously endorsed revisions to the Energy Market Offer Cap. The Committee will be asked to endorse these proposed revisions at its next meeting.
- D. Mr. Schweizer will present proposed revisions to Manual 14D: Generator Operational Requirements to expand the communication model to include Joint Operating resources, and annual review updates including updates to reactive testing requirements. The Committee will be asked to endorse these proposed revisions at its next meeting.
- E. Mr. Schweizer will review proposed revisions to Manual 39: Nuclear Plant Interface Coordination generated by its periodic review. The Committee will be asked to endorse these proposed revisions at its next meeting.

Informational Items (12:10-12:30)

10. TLC ComEd Reactive Interface (12:10-12:20)

Mr. Liem Hoang will review changes to the TLC ComEd Reactive Interface definition effective 3/1/2016.

11. Special Protection System Changes (12:20-12:30)

Mr. Alan Engelmann, ComEd, will discuss changes to the Byron, Powerton, and Northbrook Special Protection Systems as part of the Grand Prairie Gateway project.

Future Agenda Items (12:30)

Future Meeting Dates

December 17, 2015	9:00 a.m.	Wilmington, DE
January 28, 2016	9:00 a.m.	Wilmington, DE
February 25, 2016	9:00 a.m.	Wilmington, DE
March 31, 2016	9:00 a.m.	Wilmington, DE
April 28, 2016	9:00 a.m.	Wilmington, DE
May 26, 2016	9:00 a.m.	Wilmington, DE
June 30, 2016	9:00 a.m.	Wilmington, DE
July 28, 2016	9:00 a.m.	Wilmington, DE
August 25, 2016	9:00 a.m.	Wilmington, DE
September 29, 2016	9:00 a.m.	Wilmington, DE
October 27, 2016	9:00 a.m.	Wilmington, DE
November 17, 2016	9:00 a.m.	Wilmington, DE
December 22, 2016	9:00 a.m.	Wilmington, DE

Author: D. A. Anders

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.

During a Meeting	During an Acclimation Vote
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <p>*1</p> <p>To enter the question queue (does not work during a vote)</p> </div> <div style="text-align: center;"> <p>*2</p> <p>To be removed from the question queue</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div>	<p>Please log-in to the voting application at voting.pjm.com, so that you can be registered as the active voter prior to the start of the meeting.</p> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>*7</p> <p>Yes</p> </div> <div style="text-align: center;"> <p>*8</p> <p>No</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;"> <p>*9</p> <p>Abstain</p> </div> <div style="text-align: center;"> <p>*0</p> <p>To signal for PJM support staff assistance</p> </div> </div>
<p>Asking Question</p> <ul style="list-style-type: none"> • Entering *1 enters you into the question queue, the three dial tones are an auditory indication that you have successfully been placed in the queue. • Questions are taken during the meeting when natural breaks occur and are asked in the order they are received. 	