

Markets and Reliability Committee
The Chase Center on the Riverfront, Wilmington, DE
December 17, 2015
9:00 a.m. – 12:50 p.m. EPT

Administration (9:00-9:05)

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

Endorsements/Approvals (9:05-10:30)

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

Approve minutes of the November 19, 2015 and December 9, 2015 meetings of the Markets and Reliability Committee (MRC).

2. PJM Manuals (9:10-9:25)

- A. Mr. David 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.**
- B. Mr. Jeff Schmitt will present proposed revisions to Manual 11: Energy & Ancillary Services Market and Manual 28: Operating Agreement Accounting related to the previously endorsed revisions to the Energy Market Offer Cap. **The committee will be asked to endorse these proposed revisions.**
- C. Mr. David 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.**
- D. Mr. David 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.**

3. Load Forecasting Enhancements (9:25-9:40)

Mr. Tom Falin will present proposed Manual 19: Load Forecasting and Analysis related to enhancements to the load forecast model concerning solar forecast adjustments. **The Committee will be asked to endorse these proposed revisions.**

4. Load Forecast Update (9:40-10:00)

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.**

5. Underperformance Risk Management in RPM/CP (10:00-10:15)

Mr. Bob O'Connell, representing PPGI Fund A/B Development, LLC, 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.**

6. Demand Response Non-Summer Capacity Compliance Clarification (10:15-10:30)

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.**

First Readings (10:30-12:40)

7. Virtual Transactions (10:30-10:45)

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.

8. Distributed Battery Storage in PJM Markets (10:45-11:00)

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

9. Unit Commitment (11:00-11:15)

Mr. Barry Trayers, Citigroup Energy, Inc., will present a proposed problem statement and issue charge regarding Unit Commitment. The Committee will be asked to approve the problem statement and issue charge at its next meeting.

10. Capacity Performance Cost Allocation (11:15-11:30)

Mr. Stu Bresler will present a proposed problem statement and issue charge regarding cost allocation methodology to include winter peaks. The Committee will be asked to approve the problem statement and issue charge at its next meeting.

11. Summer-Only Demand Response (11:30-11:45)

Mr. Stu Bresler will present a proposed problem statement and issue charge regarding implementation of Summer-Only Demand Response. The Committee will be asked to approve the problem statement and issue charge at its next meeting.

12. Voltage Threshold (11:45-11:55)

Ms. Sue Glatz will present draft Operating Agreement revisions regarding voltage threshold and administrative changes. The Committee will be asked to endorse these proposed revisions at its next meeting.

13. Long Term Firm Transmission Service Task Force (11:55-12:05)

Mr. Aaron Berner will present the proposed solution package to modify Long Term Firm Transmission Service methodologies. The Committee will be asked to endorse these proposed revisions at its next meeting.

14. PAR Task Force (12:05-12:15)

Mr. Aaron Berner will present proposed Manual 14 series updates regarding PAR withdrawal and inject rights. The Committee will be asked to endorse these proposed revisions at its next meeting.

15. Governing Documents Enhancement & Clarification Subcommittee (GDECS) (12:15-12:25)

Ms. Janell Fabiano will present proposed Tariff, Operating Agreement and Reliability Assurance Agreement revisions related to Alternative Dispute Resolution (ADR) and Markets Governing Documents Clean-up developed by the GDECS. The Committee will be asked to endorse these proposed revisions at its next meeting.

16. PJM Manuals (12:25-12:40)

- A. Mr. Ray Fernandez will review proposed revisions to Manual 27: Open Access Transmission Tariff Accounting for the Market Consistency – Daily Zonal Scaling Factors issue that was worked through the Markets Settlements Subcommittee. The Committee will be asked to endorse these proposed revisions at its next meeting.
- B. Mr. Liem Hoang will present proposed revisions to Manual 38: Operations Planning identified through the required periodic review. The Committee will be asked to endorse these proposed revisions at its next meeting.
- C. Mr. Glen Boyle will present proposed revisions to Manual 40: Training and Certification Requirements associated with the resolution of the Training and Certification Non-Compliance issue. The Committee will be asked to endorse these proposed revisions at its next meeting.

Informational Items (12:40-1:00)

17. AD14-14 – Price Formation (12:40-12:50)

Mr. Adam Keech will provide information on PJM's planned response to the FERC's request for comment in the Price Formation docket.

18. Markets Gateway and Single Sign-On (12:50-12:50)

Ms. Risa Holland will provide an update on implementation of Markets Gateway and Single Sign On.

Future Agenda Items (12:50)

Future Meeting Dates

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

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Antitrust:

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
<p>*1 To enter the question queue (does not work during a vote)</p> <p>*2 To be removed from the question queue</p> <p>*0 To signal for PJM support staff assistance</p>	<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> <p>*7 Yes</p> <p>*8 No</p> <p>*9 Abstain</p> <p>*0 To signal for PJM support staff assistance</p>
<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.	