

Markets & Reliability Committee

Webex Only

December 15, 2021

9:00 a.m. – ~~12:00~~ 12:45 p.m. EPT

**Operator assisted phone lines will be opened 30 minutes prior to the start of the meeting. Due to the high volume of remote participation, stakeholders are asked to connect early to allow additional time for operator queue processing.*

Administration (9:00-9:05)

Welcome, announcements and Anti-trust, Code of Conduct, and Public Meetings/Media Participation – Stu Bresler and Dave Anders

Consent Agenda (9:05-9:10)

- A. **Approve** minutes of the November 17, 2021 meeting of the Markets and Reliability Committee (MRC).
- B. **Endorse** proposed revisions to Manual 06: Financial Transmission Rights conforming to the AFMTF PJM/Joint Stakeholder package endorsed at the October MRC.
[Issue Tracking: ARR/FT R Market Review](#)
- C. **Endorse** proposed revisions to Manual 10: Pre-Scheduling Operations resulting from its periodic review.
- D. **Endorse** proposed Manual 14B revisions resulting from its biennial review.
- E. **Endorse** proposed revisions to Manual 14D: Generator Operational Requirements resulting from its periodic review.
- F. **Endorse** proposed revisions to Tariff Attachment DD as endorsed by the Governing Document Enhancement and Clarification Subcommittee (GDECS).

Endorsements (9:10-10:10)

- 1. Undefined Regulation Mileage Ratio Calculation (9:10-9:30)
 - A. Adam Keech will provide an update regarding the Regulation Mileage Ratio Calculation and potential mathematical issue.
 - B. Danielle Croop will review a Problem Statement and Issue Charge addressing broader Regulation Market redesign. **The committee will be asked to approve the proposed Issue Charge.**

[Issue Tracking: Undefined Regulation Mileage Ratio Calculation](#)

2. Solar-Battery Hybrid Resources (9:30-9:50)

Andrew Levitt and Thomas DeVita will review a proposed solution package to address various aspects of market participation by solar-battery hybrid resources. **The committee will be asked to endorse the proposed solution and corresponding Tariff and Operating Agreement (OA) revisions.**

[Issue Tracking: Solar-Battery Hybrid Resources](#)

3. Synchronous Reserve Deployment Stakeholder Initiative (9:50-10:10)

Ilyana Dropkin will review a proposed solution package addressing synchronous reserve deployment. **The committee will be asked to endorse the proposed solution and corresponding Tariff and OA revisions.**

[Issue Tracking: Synchronized Reserve Event Actions and Expectations](#)

First Readings (10:10-12:00)

4. Fuel Cost Policy Standards and Schedule 2 Penalties (10:10-10:35)

Melissa Pulong will review the PJM/IMM Package elaborating upon and addressing clarifications to Fuel Cost Policy standards and Schedule 2 Penalty revisions. The committee will be asked to endorse the proposed solution and corresponding Manual and OA revisions at its next meeting.

[Issue Tracking: Fuel Cost Policy](#)

5. Regulation for Virtual Combined Cycles (10:35-10:55)

Michael Olaleye will review the proposed solution addressing Regulation for Virtual Combined Cycles. The committee will be asked to endorse the proposal and corresponding Manual revisions at its next meeting.

[Issue Tracking: Regulation for Virtual Combined Cycles](#)

6. Resource Adequacy Senior Task Force (RASTF) Issue Charge (10:55-11:20)

- A. Alex Scheirer and Pat Bruno will review a proposed Issue Charge as endorsed by the RASTF. The committee will be asked to approve the proposed Issue Charge at its next meeting.
- B. Bruce Campbell, C Power, and Brian Kauffman, Enel X North America, will discuss perspectives regarding DR as a supply resource.

7. Energy Price Formation Senior Task Force (EPFSTF) Charter (11:20-11:40)

Susan Kenney will review proposed Charter revisions as endorsed by the EPFSTF. The committee will be asked to approve the proposed Charter revisions at its next meeting.

[Issue Tracking: Operating Reserve Demand Curve & Transmission Constraint Penalty Factors](#)

8. Manuals (11:40-12:00)

- A. Vijay Shah will review conforming revisions to Manual 11: Energy and Ancillary Services Market Operations addressing enhancements to the Dead Bus Replacement logic for assigning prices to

de-energized pricing nodes. The committee will be asked to endorse the proposed revisions at its next meeting.

- B. Liem Hoang will review proposed revisions to Manual 38: Operations Planning resulting from its periodic review. The Committee will be asked to endorse the proposed revisions at its next meeting.

Informational Reports (12:00-12:45)

9. PJM Renewable Integration Study (12:00-12:45)

Emanuel Bernabeu will discuss PJM's Renewable Integration Study (RIS) report.

Future Agenda Items (~~12:00~~ 12:45)

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location		
January 26, 2022	9:00 a.m.	TBD	January 14, 2022	January 19, 2022
February 24, 2022	9:00 a.m.	TBD	February 14, 2022	February 17, 2022
March 23, 2022	9:00 a.m.	TBD	March 11, 2022	March 16, 2022
April 27, 2022	9:00 a.m.	TBD	April 15, 2022	April 20, 2022
May 25, 2022	9:00 a.m.	TBD	May 13, 2022	May 18, 2022
June 29, 2022	9:00 a.m.	TBD	June 17, 2022	June 22, 2022

Author: M. Greening

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. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

Participant Identification in Webex:

When logging into the Webex desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors Webex connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

During a Meeting	During an Acclamation 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 A Question</p> <ul style="list-style-type: none"> Dialing *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. 	
<p>Linking Teleconference Connection to Webex</p> <p>When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.</p>	

Join a Meeting	<ol style="list-style-type: none"> Join meeting in the Webex desktop client Enter name (<i>First and Last*</i>) and corporate email Call in to the operator-assisted number
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**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

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 Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.