

Markets and Reliability Committee
PJM Conference and Training Center, Valley Forge, PA
December 5, 2019
9:00 a.m. – 12:20 p.m. EPT

Administration (9:00-9:10)

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

Consent Agenda (9:10-9:15)

- A. **Approve** minutes of the October 31, 2019 meeting of the Markets and Reliability Committee (MRC).
- B. **Endorse** proposed revisions to PJM Manual 3: Transmission Operations resulting from the bi-annual review to update operating procedures.
- C. **Approve/Endorse** proposed revisions to the Operating Agreement (OA) and Manual 6: Financial Transmission Rights related to the Financial Risk Mitigation Senior Task Force (FRMSTF) endorsed solution package for FTR Product Range and Auction Process.
[Issue Tracking: Financial Risk Mitigation](#)
- D. **Endorse** proposed revisions to the 2020 Day Ahead Scheduling Reserve (DASR) requirement incorporated into PJM Manual 13: Emergency Operations.
- E. **Endorse** conforming revisions to Manual 15: Cost Development Guidelines consistent with the May 10, 2019 VOM Compliance Filing that was recently accepted by FERC (EL19-8).
- F. **Endorse** conforming revisions to Manual 18: PJM Capacity Market related to the recent FERC Order (ER19-2417) on RPM must-offer exceptions and removal of Capacity Resource status.
- G. **Endorse** revisions to PJM Manual 19: Load Forecasting & Analysis related to a periodic review and forecast documentation.
- H. **Approve** proposed revisions to the OA clarifying the requirements for sharing forecasted unit commitment data to Transmission Owners for reliability studies.

Endorsements/Approvals (9:15-10:30)

1. Transmission Asset End of Life Problem Statement and Issue Charge (9:15-9:45)

Mr. Ed Tatum, American Municipal Power, will present a proposed Problem Statement and Issue Charge addressing transmission asset end of life processes. **The committee will be asked to approve the proposed issue charge.**

2. Opportunity Cost Calculator (9:45-10:05)

Mr. Glen Boyle will provide an overview of the Opportunity Cost Calculator proposals as endorsed by the Market Implementation Committee. **The committee will be asked to endorse the proposed solution.**

[Issue Tracking: Opportunity Cost Calculator](#)

3. Governing Document Enhancement and Clarifications Updates (10:05-10:20)

Mr. Mark J. Stanisz will provide a review of non-substantive revisions to standardize governing document cross-references in the Tariff, OA and Reliability Assurance Agreement. **The committee will be asked to endorse/approve these revisions. The Members Committee may be asked to endorse/approve the revisions on the same day.**

4. Manual 03A Revisions (10:20-10:30)

Ms. Maria Baptiste will review proposed revisions to PJM Manual 03A: Energy Management System (EMS) Model Updates resulting from the periodic review process, including updated language reflecting current procedures and modeling philosophies. **The committee will be asked to endorse the proposed revisions.**

First Readings (10:30-12:00)

5. Comparative Cost Framework (10:30-10:50)

Mr. Mark Sims will review the Comparative Cost Framework proposed revisions to PJM Manual 14F: Competitive Planning Process related to the cost commitment process. The committee will be asked to endorse the proposed revisions at its next meeting.

[Issue Tracking: Consideration of Cost Containment](#)

6. Real-Time Values Problem Statement and Issue Charge (10:50-11:10)

Ms. Lauren Strella Wahba will present a proposed Problem Statement and Issue Charge addressing a review of Real Time Values (RTVs) Market Rules. The committee will be asked to endorse the proposed issue charge at its next meeting.

7. Governing Document Revisions for Parameter Limited Schedules (11:10-11:35)

A. Mr. Adam Keech will provide an overview of proposed Tariff and Operating Agreement language revisions regarding the use of market-based Parameter Limited Schedules (PLS).

B. Mr. Joe Bowring, Monitoring Analytics, will present the IMM's perspectives regarding the use of market-based Parameter Limited Schedules (PLS).

8. PJM Manuals (11:35-12:00)

- A. Mr. Glen Boyle will review proposed revisions to PJM Manual 13: Emergency Operations incorporating event analysis updates. The committee will be asked to endorse these changes at its next meeting.
- B. Mr. Bernie O'Hara will review proposed revisions to Manual 14G: Generation Interconnection Requests, Section 2.2 regarding projects applying for interconnection under Tariff Attachment Y. The committee will be asked to endorse these changes at its next meeting.
- C. Mr. Ray Fernandez will review proposed revisions to Manual 27: Open Access Transmission Tariff Accounting addressing the implementation of the annual calculation of the Border Rate and the impact on firm point-to-point transmission service charges. The committee will be asked to endorse these changes at its next meeting.

Informational Reports (12:00-12:20)

9. Modeling Generation Senior Task Force (MGSTF) (12:00-12:10)

Mr. Stan Williams will provide an update on the Modeling Generation Senior Task Force.

10. FERC Order EL08-14 (12:10-12:20)

Mr. Stan Williams will provide an update on PJM's plans to move forward in response to FERC Order EL08-14 related to Marginal Line Loss.

Informational Postings Only

None

Future Agenda Items (12:20)

Future Meeting Dates

December 19, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
January 23, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
February 20, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
March 26, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
April 30, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
May 28, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 18, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
July 23, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
August 20, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
September 17, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
October 29, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 19, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 17, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

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 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. 	
<p>Linking Teleconference Connection to WebEx</p> <p>To link your teleconference connection (audio presence) to your WebEx presence, please dial *29 and enter your Personal Identification Number. Once you are logged in to the WebEx, this PIN can be found under the "Meeting Info" tab of your WebEx window.</p>	

Join a Meeting

1. Join meeting in the WebEx desktop client
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