

**Market Implementation Committee**  
**PJM Conference & Training Center, Audubon, PA**  
**July 10, 2019**  
**9:00 a.m. – 4:00 p.m. EPT**

## Administration (9:00-9:30)

1. Ms. Bhavana Keshavamurthy and Ms. Chantal Hendrzak will provide announcements; review the Antitrust, Code of Conduct, Public Meetings/Media Participation, the WebEx Participant Identification Requirement, and [Issue Tracking](#).

The Committee will be asked to approve the draft minutes from the June 12, 2019 Market Implementation Committee meeting.

- A. Mr. Stan Williams, PJM, will provide an update on the recent FERC Order EL08-14 related to Marginal Line Loss.
- B. Mr. Pete Langbein, PJM, will provide an update on the recent FERC order ER19-1012-000 and ER19-1012-001 related to Price Responsive Demand.

## Endorsements/Approvals (9:30-10:00)

### 2. **Periodic Review of Manual 18 (9:30-9:40)**

Ms. Terri Esterly, PJM, will present proposed revisions to Manual 18: PJM Capacity Market as part of the periodic review. The revisions address administrative updates, deletion of outdated provisions and clarifications of existing provisions. The revisions also include conforming revisions due to FERC Orders. **The committee will be asked to endorse the manual revisions.**

### 3. **Periodic Review of Manual 28 (9:40-9:50)**

Mr. Ray Fernandez, PJM, will present revisions to Manual 28: Operating Agreement Accounting as part of the periodic review. The revisions include the process to handle the case of unavailable state estimator loss data in calculating transmission loss de-rating factors and an update to credit calculations for Resources providing Reactive Services.

**The committee will be asked to endorse the manual revisions.**

### 4. **Manual 11, 15, and 18 revisions for Electric Storage Participation – FERC Order 841 (9:50-10:00)**

- A. Ms. Laura Walter, PJM, will provide a brief background on Order 841, and review changes to Manual 11 – Energy & Ancillary Services Market Operations & Manual 18 – PJM Capacity Market, related to the FERC Order 841 compliance filing.
- B. Ms. Danielle Croop, PJM, will provide a review of Manual 15 – Cost Development Guidelines changes related to cost offers for batteries and flywheels.

**The committee will be asked to endorse the manual revisions.**

[Issue Tracking: Electric Storage Participation FERC Order 841](#)

## First Readings (10:00-1:30)

5. **Manual 27 and 28 revisions for Electric Storage Participation – FERC Order 841(10:00-10:20)**  
Mr. Andrew Levitt, PJM, will provide a review of Manual 27: Open Access Transmission Tariff Accounting and Manual 28: Operating Agreement Accounting revisions associated with settlements changes related to FERC Order 841 compliance filing.  
[Issue Tracking: Electric Storage Participation FERC Order 841](#)
6. **Modeling Units with Stability Limitations – Problem Statement & Issue Charge (10:20-10:50)**  
Mr. Robert O’Connell, Panda Power Funds, will provide a first read of a problem statement and issue charge related to modeling units with stability limitations.
7. **Opportunity Cost Calculator (10:50-11:30)**  
Mr. Glen Boyle, PJM, will provide summary of the work done by the MIC Special Sessions: Opportunity Cost Calculator. Mr. Robert O’Connell, Panda Power Funds, will provide a summary of the three proposals.  
[Issue Tracking: Opportunity Cost Calculator](#)
8. **Fuel Cost Policy (11:30-12:00)**  
Ms.Bhavana Keshavamurthy, PJM, will provide a summary of the work done by the MIC Special Sessions: Fuel Cost Policy.
  - A. Mr. Joel Luna, Monitoring Analytics, will present the IMM proposal.
  - B. Mr.Glen Boyle, PJM, will present the PJM proposal.
  - C. A stakeholder representative will present the joint stakeholder proposal.

[Issue Tracking: Fuel Cost Policy](#)

## Lunch (12:00-12:45)

9. **Gas Contingency Cost Recovery (12:45 - 1:15)**  
Mr. Thomas DeVita, PJM, will provide an overview of draft Tariff revisions associated with gas contingencies cost recovery. Members are encouraged to review the posted Tariff revisions and provide comments to: [Thomas.DeVita@pjm.com](mailto:Thomas.DeVita@pjm.com).
10. **Manual 11 updates (1:15-1:30)**  
Mr. Michael Olaleye, PJM, will provide an overview of clarifications being added to Manual 11: Energy & Ancillary Services associated with regulation historical performance scores and reserve requirements.

## Working Issues (1:30-3:45)

11. **Fuel Requirements for Black Start Resources (1:30-1:45)**  
Ms.Janell Fabiano, PJM, will provide a status update on the Fuel Requirements for Black Start Resources issue.  
[Issue Tracking: Fuel Requirements for Black Start Resources](#)

## 12. Fast Start Pricing Compliance Filing Details (1:45-2:45)

- A. Mr. Vijay Shah, PJM, will review the offer verification impacts of the fast start pricing implementation.
- B. Mr. Ray Fernandez, PJM, will review the settlement impacts of fast start pricing implementation.

## 13. Five Minute Dispatch and Pricing (2:45-3:45)

- A. Mr. Aaron Baizman, PJM, will present education on Real Time Security Constrained Economic Dispatch (RT SCED) engine.
- B. Mr. Siva Josyula, Monitoring Analytics, will present education on RT SCED execution and solution timeline, statistics on some of the inputs used and approval rate of RT SCED cases.

**Note:** Work on the Interregional Incremental Auction Revenue Rights issue will resume at the August Market Implementation Committee.

[Issue Tracking: Interregional Incremental Auction Revenue Rights](#)

### Informational Section

#### Credit Subcommittee (CS)

Meeting materials will be posted to the [CS website](#).

#### Demand Response Subcommittee (DRS)

Meeting materials will be posted to the [DRS web site](#).

#### Intermittent Resources Subcommittee (IRS)

Meeting materials will be posted to the [IRS web site](#).

#### Interregional Coordination Update

Materials are posted as informational only.

#### Market Settlements Subcommittee (MSS)

Meeting materials are posted to the [MSS web site](#).

#### Report on Market Operations

The Report on Market Operations will be reviewed during the [MC Webinar](#).

### Future Meeting Dates

August 7, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
September 11, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
October 16, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 13, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 11, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Bhavana Keshavamurthy



# Agenda

### 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><b>*1</b></p> <p>To enter the question queue (does not work during a vote)</p> </div> <div style="text-align: center;"> <p><b>*2</b></p> <p>To be removed from the question queue</p> </div> </div> <div style="text-align: center; margin-top: 20px;"> <p><b>*0</b></p> <p>To signal for PJM support staff assistance</p> </div>	<p>Please log-in to the voting application at <a href="http://voting.pjm.com">voting.pjm.com</a>, 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: 10px;"> <div style="text-align: center;"> <p><b>*7</b></p> <p>Yes</p> </div> <div style="text-align: center;"> <p><b>*8</b></p> <p>No</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;"> <p><b>*9</b></p> <p>Abstain</p> </div> <div style="text-align: center;"> <p><b>*0</b></p> <p>To signal for PJM support staff assistance</p> </div> </div>
<p><b>Asking Question</b></p> <ul style="list-style-type: none"> <li>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.</li> <li>Questions are taken during the meeting when natural breaks occur and are asked in the order they are received.</li> </ul>	
<p><b>Linking Teleconference Connection to WebEx</b></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>	

<b>Join a Meeting</b>	<ol style="list-style-type: none"> <li>Join meeting in the WebEx desktop client</li> <li>Enter name (<i>First and Last*</i>) and corporate email</li> <li>Under "Select Audio Option" select "Call Me" option from the dropdown menu</li> </ol>
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*\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*