

Market Implementation Committee  
PJM Conference & Training Center, Audubon, PA  
November 13, 2019  
9:00 a.m. – 4:00 p.m. EPT

## Administration

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

The Committee approved the draft minutes from the October 16, 2019 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

## Endorsements/Approvals

2. **Manual 18 Revisions Related to the RPM Must-Offer Exception Process**  
Mr. Pat Bruno, PJM, reviewed 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.  
**The committee endorsed the manual revisions with 0 objections and 0 abstentions.**
3. **Manual 15 Revisions Related to VOM Compliance Filing**  
Mr. Thomas Hauske, PJM, reviewed conforming revisions to Manual 15: Cost Development Guidelines consistent with the May 10, 2019 VOM Compliance Filing that was recently accepted by FERC.  
**The committee endorsed the manual revisions with 0 objections and 0 abstentions.**

## First Readings

4. **Manual 27 Revisions Related to Annual Calculation of the Border Rate**  
Mr. Ray Fernandez, PJM, provided a first read on 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 the manual revisions at the December MIC.**
5. **Fuel Cost Policy**  
Ms. Bhavana Keshavamurthy, PJM, provided a summary of four packages for the first read from the MIC Special Sessions: Fuel Cost Policy.
  - A. Mr. Joel Luna, Monitoring Analytics, presented the IMM proposal.
  - B. Ms. Adrien Ford, ODEC, presented the joint stakeholder proposal on behalf of the joint stakeholders. Mr. Steve Lieberman, AMP, stated his support for the joint stakeholder proposal.
  - C. Ms. Melissa Pilon, PJM, presented the PJM primary and the PJM alternate proposal.  
Ms. Pilon stated that based on stakeholder feedback, PJM proposed the PJM Alternate package which includes the same components as the Primary but in addition also includes the utilization of the impact factor in the calculation of the penalty.

The PJM Alternate package does not include the safe harbor provision due to PJM's concern that this may lead to less detailed policies and puts PJM in a discretionary position of determining if a scenario qualified for a safe harbor exclusion. Ms. Catherine Tyler, IMM, stated having a safe harbor exclusion would undermine the fuel cost policy development process.

Ms. Pilong also stated that PJM has a concern with the 90-day implementation timeline for the revocation component in the joint stakeholder package as it would allow an offer constructed under a policy flagged for revocation to continue to be submitted for 90 days. There was extensive stakeholder discussion on the revocation design component. Stakeholders expressed concern that requiring a unit to offer at zero when the policy is revoked by PJM was not reasonable and that having a pre-approved temporary fuel cost policy that the unit could use in case its fuel cost policy was revoked would provide the units with a method to recover some of the cost of offering the unit into the market. PJM stated they would look further into if a temporary fuel cost policy could be implemented.

**The committee will be asked to vote on the four proposals at the December MIC.**

[Issue Tracking: Fuel Cost Policy](#)

## Working Items

### 6. **Stability Limits in Markets and Operations**

- A. Mr. Keyur Patel, PJM, provided education on impact of clearing of virtual bids on units with stability limitations.
- B. Ms. Lisa Morelli, PJM, led a discussion to gather interests from the group. Mr. Mike Zhang, PJM reviewed the PJM interests and the status quo for the initial set of design components in the matrix. Stakeholders are requested to send additional interests and design components to Ms. Morelli or Ms. Keshavamurthy prior to the next meeting.

[Issue Tracking: Stability Limits in Markets and Operations](#)

### 7. **Fuel Requirements for Black Start Resources**

Ms. Janell Fabiano, PJM, provided a status update on the Fuel Requirements for Black Start Resources issue.

[Issue Tracking: Fuel Requirements for Black Start Resources](#)

## Additional Updates

### 8. **Member Maintenance and Account Manager update**

Ms. Amanda Egan, PJM, provided an update on the Membership Management Community, as well as provide information on Account Manager (CAM) roles, responsibilities and requirements and the provisioning of tool access.

## Informational Section

### **Review of Operational Events**

Materials were posted as informational only. This report was discussed during the Operating Committee (OC) meeting on November 12, 2019.

## Q32019 Net Energy Injections Quarterly Report

Materials are posted as informational only.

## CP Unit Specific Parameter Update

Materials are posted as informational only.

## Interregional Coordination Update

Materials are posted as informational only.

## 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](#).

## 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

December 11, 2019

9:00 a.m.

PJM Conference & Training Center/ WebEx

Author: Bhavana Keshavamurthy

### In-Person Meeting Attendees

Names	Company Name	Sector
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana (Secretary)	PJM Interconnection, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Antonelli, Diane	PJM Interconnection, LLC	Not Applicable
Benчек, Jim	American Transmission Systems, Inc.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Canter, David	Appalachian Power Company	Transmission Owner
Chang, Sean	Shell Energy North America (US), LP	Other Supplier
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable

Dumitriu, Nicolae	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Foldare, Kenneth	Tangible	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Giacomini, Anthony	PJM Interconnection, LLC	Not Applicable
Greening, Michele	PJM Interconnection, LLC	Transmission Owner
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
Hoang, Liem	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	Not Applicable
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steve	American Municipal Power, Inc.	Electric Distributor
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Meadors, Mandy	Transmission Owner	Duke Energy Ohio, Inc
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Pilong, Chris	PJM Interconnection, LLC	Not Applicable
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Rohrbach, John	ACES Power	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P	Generation Owner
Smith, Christen	RTO Insider	Not Applicable
Toomey, Megan	Talen Energy Marketing, LLC	Generation Owner
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics, LLC	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Zhang, Mike	PJM Interconnection, LLC	Not Applicable

## Webex Meeting Attendees

<b>Names</b>	<b>Company Name</b>	<b>Sector</b>
Anderson, Jared	SPG Global	Not Applicable
Budney, Dave	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Greg	OPSI	Not Applicable
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Christopher, Mahila	Ohio Public Utility Commission	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Colbert, Cathleen	NRG Power Marketing LLC	Generation Owner
Coultas, Ann	Invenergy, LLC	Generation Owner
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Davis, Jim	Dominion Energy	Transmission Owner
DeLosa, Joe	NJ Board of Public Utilities	Not Applicable
DePillo, Ray	PSEG Energy Resources and Trade LLC	Transmission Owner
Diiorio, Michelle	PSEG Energy Resources and Trade LLC	Transmission Owner
Dillon, Matt	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner

Dolan, Jim	PJM Interconnection, LLC	Not Applicable
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Durinsky, Mike	FirstEnergy Solutions Corp.	Transmission Owner
Ericson,Christine	Illinois Commerce Commission	Not Applicable
Everngam, Scott	Blue Horse Shoe Energy	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Fazio,Danielle	Engelhart CTP (US) LLC	Other Supplier
Feller, John	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gates, Terry	Appalachian Power Company	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gluck, Jim	PJM Interconnection, LLC	Not Applicable
Guntle, Vince	UGI Development Company	Generation Owner
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hastings, David	Market Interconnection LLC	Not Applicable
Heinle, Erik	D.C. Office of the People's Counsel	Not Applicable
Hoatson, Tom	LS Power	Not Applicable
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Leasure, Jill	Keystone-Conemaugh Projects, LLC	Other Supplier
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Leopold, Chris	Appalachian Power Company	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Long, Matthew	Appalachain Power Company	Transmission Owner
Lowe,Connie	Virginia Electric & Power Company	Transmission Owner
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Malladi, Brindavani	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Martin, Valerie	The Federal Energy Regulatory Commission	Not Applicable
Matsuzak,Alex	UGI Enegy Services	Other Supplier
Messina, Emmy	PJM Interconnection, LLC	Not Applicable
Monzon, Stephanie	PJM Interconnection, LLC	Not Applicable
Mooney, Jeff	FirstEnergy Solutions Corp.	Transmission Owner
O'Boyle, Brian	Consolidated Edison Solutions, Inc.	Transmission Owner
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Shanker , Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier



# Draft Minutes

Sillin, John  
Silveira, Fabiano  
Sotkiewicz, Paul  
Sturgeon, John  
Swalwell, Brad  
Tibbetts, Maeve  
Vayda, Brian  
Wisersky, Megan

The Federal Energy Regulatory Commission  
Strom Power, LLC  
E-Cubed Policy Associates LLC  
Duke Energy Carolinas, LLC  
Tangent Energy  
Pierce Atwood  
Borough of Park Ridge, NJ  
Madison Gas & Electric Co.

Not Applicable  
Other Supplier  
Not Applicable  
Other Supplier  
Other Supplier  
Not Applicable  
Electric Distributor  
Other Supplier

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)  
Visit [learn.pjm.com](http://learn.pjm.com), an easy-to-understand resource about the power industry and PJM's role.