

**Market Implementation Committee**  
**PJM Conference & Training Center, Audubon, PA**  
**December 11, 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 November 16, 2019 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

## Endorsements/Approvals

2. **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 endorsed the manual revisions with 0 objections and 2 abstentions.**

3. **Fuel Cost Policy**

Ms. Bhavana Keshavamurthy, PJM, provided a summary of the PJM Primary, IMM and Joint Stakeholder proposal. The IMM withdrew their proposal and voiced support to the PJM Primary proposal. PJM staff expressed a concern that a full penalty would not be assessed if the unit is marginal in Day Ahead or Real Time on its cost based offer but had not failed the TPS test under the Joint Stakeholder proposal. Mr. David Mabry, PJM Industrial Customer Coalition and Mr. Scarpignato, Calpine Energy, proposed an alternative proposal to address this concern.

**The committee endorsed the Joint Stakeholder proposal with 201(87%) in favor, 29(13%) opposed and 4 abstentions.**

**The committee endorsed the PJM ICC proposal with 183(81%) in favor, 42(19%) opposed and 10 abstentions.**

**The committee did not endorse the PJM Primary proposal with 66(29%) in favor, 163(71%) opposed and 8 abstentions.**

**The Joint Stakeholder proposal moves to the Market and Reliability Committee (MRC) as the primary motion with the PJM ICC proposal as the alternate motion.**

[Issue Tracking: Fuel Cost Policy](#)

## Additional Items

4. **Governing Document Revisions for Parameter Limited Schedules**

Mr. Adam Keech, PJM, and Mr. Joseph Bowring, Monitoring Analytics, provided education on the intended use and implementation of Parameter Limited Schedules, in order to further understanding of the issues raised during the discussion on this topic at the December 5 MRC meeting. This issue will be for a vote at the December 19, 2019 Market and Reliability Committee (MRC).

## Working Items

### 5. Stability Limits in Markets and Operations

- A. Mr. Byoungkon Choi, PJM, and Ms. Brinda Malladi, PJM, provided education on stability studies in the PJM transmission planning and the generation interconnection process.
- B. Mr. Mike Zhang, PJM, reviewed statistics on how often manual dispatch occurred due to stability limitations in the past two years and the challenges with multiple unit coordination process for stability limitations.
- C. Discussion on the design components and solution options was postponed to the January MIC.

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

## Additional Updates

### 6. FTR Auction Bid Limits

Mr. Brian Chmielewski, PJM, presented an informational update on FTR auction bid limits.

### 7. Joint Operating Agreements (JOA) Updates

Mr. Joe Ciabattani, PJM, provided an update on MISO-PJM JOA changes related to constraint relaxation.

## Informational Section

### CP Unit Specific Parameter 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

January 8, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
February 5, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
March 11, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
April 15, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
May 13, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 3, 2020	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
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Chu, George	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foldare, Kenneth	Tangible	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing	Generation Owner
Fuess, James	PBF Power Marketing	Generation Owner
Giacomoni, Anthony	PJM Interconnection, LLC	Not Applicable
Greening, Michele	PJM Interconnection, LLC	Transmission Owner
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hoang, Liem	PJM Interconnection, LLC	Not Applicable
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	Not Applicable
Horton, Dana	Appalachian Power Company	Transmission Owner
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
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
Lowe, Connie	Virginia Electric & Power Company	Transmission Owner
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Malladi, Brindavani	PJM Interconnection, LLC	Not Applicable
McGuire, Bob	Dominion Virginia Power	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Monzon, Stephanie	PJM Interconnection, LLC	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P	Generation Owner
Smith, Christen	RTO Insider	Not Applicable
Sweeney, Rory	GT Power Group	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Zhang, Mike	PJM Interconnection, LLC	Not Applicable

## Webex Meeting Attendees

Names	Company Name	Sector
Abdur-Rahman, Muhsin	ABB	Not Applicable
Baizman, Aaron	PJM Interconnection, LLC	Not Applicable
Bayless, Charles	North Carolina Electric Membership Corporation	Electric Distributor
Borgatti, Michael	Gabel and Associates	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canchi ,Devendra	Monitoring Analytics, LLC	Not Applicable
Carnean, Greg	OPSI	Not Applicable
Carrier, Ron	Direct Energy Business, LLC	Other Supplier
Chang, Sean	Shell Energy North America (US), LP	Other Supplier
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coultas, Ann	Invenergy, LLC	Generation Owner
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop,Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Daniel, Brad	Duke Energy	Transmission Owner
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Davis, Jim	Dominion Energy	Transmission Owner
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
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Duensing, Allison	Saracen Energy	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Durinsky, Mike	FirstEnergy Solutions Corp.	Transmission Owner
Eckstein, Jim	Duke Energy	Transmission Owner
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Gates, Terry	Appalachian Power Company	Transmission Owner
Genuario,Gabrielle	PJM Interconnection, LLC	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
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
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
Higgins, Sharon	Duke Energy	Transmission Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Electric Distributor
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jens, Tom	Blackoak Capital	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
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor

Leopold, Chris  
 Libbos, Robin  
 Liu-Mckenna, Phyllis  
 Long, Matthew  
 Lowe, Connie  
 Mariam, Yohannes  
 Marcino, Angelo  
 Martin, Valerie  
 Matsuzak, Alex  
 McGill, Susan  
 Meadors, Mandy  
 Messina, Emmy  
 Mounkhal, Brian  
 Olaleye, Michael  
 Ondayko, Brock  
 Patel, Keyurbhai  
 Peoples, John  
 Phillips, Jennifer  
 Picarelli, David  
 Pizzutelli, Ashley  
 Price, Mark  
 Price, Ruth  
 Rajan, Abhijit  
 Rayhorn, Carolyn  
 Rohrbach, John  
 Rumsey, Amanda  
 Sasser, Jonathan  
 Scheidecker, Paul  
 Schreim, Morris  
 Schuyler, Ken  
 Shanker, Roy  
 Silveira, Fabiano  
 Singer, Chad  
 Sotkiewicz, Paul  
 Stone, Andy  
 Strella, Lauren  
 Sturgeon, John  
 Svenson, Heather  
 Tibbetts, Maeve  
 Toomey, Megan  
 Ward, Michael  
 Whitehead, Jeffrey  
 Wilmoth ES, Emily  
 Wilson, Bram  
 Xu, Xu  
 Zemanek, Kevin

Appalachian Power Company  
 FirstEnergy Solutions Corp.  
 PSEG Energy Resources and Trade LLC  
 Appalachain Power Company  
 Dominion Virginia Power  
 Office of the Peoples Counsel for the District of Columbia  
 PJM Interconnection, LLC  
 The Federal Energy Regulatory Commission  
 UGI Enegy Services  
 PJM Interconnection, LLC  
 Transmission Owner  
 PJM Interconnection, LLC  
 PSEG Energy Resources and Trade LLC  
 PJM Interconnection, LLC  
 Appalachain Power Company  
 PJM Interconnection, LLC  
 Duquesne Light Company  
 Middle River Power LLC  
 PJM Interconnection, LLC  
 FirstEnergy Solutions Corp.  
 DC Energy Mid-Atlantic, LLC  
 Division of the Public Advocate of the State of Delaware  
 Dominion Resources  
 Dominion Virginia Power  
 ACES Power  
 PPL Electric Utilities Corp. dba PPL Utilities  
 Customized Energy Solutions, Ltd.\*  
 PJM Interconnection, LLC  
 Maryland Public Service Commission  
 PJM Interconnection, LLC  
 H.Q. Energy Services (U.S.), Inc.  
 Strom Power, LLC  
 Fellon McCord  
 E-Cubed Policy Associates LLC  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Duke Energy Carolinas, LLC  
 PSEG Energy Resources and Trade LLC  
 Pierce Atwood  
 Talen Energy Marketing, LLC  
 PJM Interconnection, LLC  
 GT Power Group  
 Dominion Virginia Power  
 EFW, Inc  
 PJM Interconnection, LLC  
 Buckeye Power, Inc.

Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Not Applicable  
 End User Customer  
 Not Applicable  
 Not Applicable  
 Other Supplier  
 Not Applicable  
 Duke Energy Ohio, Inc  
 Not Applicable  
 Generation Owner  
 Not Applicable  
 Transmission Owner  
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 Transmission Owner  
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 Transmission Owner  
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 Not Applicable  
 Electric Distributor

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