

Market Implementation Committee  
PJM Conference & Training Center, Audubon, PA  
October 16, 2019  
9:00 a.m. – 4:00 p.m. EPT

## Administration

1. Ms. Bhavana Keshavamurthy and Ms. Lisa Morelli provided announcements; reviewed 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 September 11, 2019 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

- A. Ms. Rebecca Carroll, PJM, provided an update on the Performance Assessment Interval (PAI) event that occurred on October 2, 2019. PJM will review a PAI Operational Report at the November Operating Committee meeting. PJM will also post a FAQ document summarizing questions received from stakeholders by October 21, 2019.

## Endorsements/Approvals

### 2. ARR/FTR Market Review

Note: Discussion and voting on this item was postponed to later in the meeting due to speaker availability.

- A. Mr. Howard Haas, Monitoring Analytics, presented the problem statement and issue charge related to the review of the ARR/FTR Market construct. Ms. Jennifer Tribulski, PJM, proposed a friendly amendment to include reference to the GreenHat report recommendation F3 in the issue source. Mr. Haas accepted the friendly amendment and the issue charge was modified to reflect the friendly amendment.
- B. Mr. Mike Borgatti, Gabel Associates, presented an alternate issue charge related to the review of the ARR/FTR Market construct.
- C. Dr. Roy Shanker, representing the Financial Marketers Coalition, presented an alternate issue charge related to the review of the ARR/FTR Market construct.

There was extensive discussion amongst the stakeholders to determine if the alternate issue charge language as proposed by Mr. Borgatti would exclude discussion on some issues related to the design of the ARR/FTR Market construct. Mr. Borgatti amended the Issue Content and Key Work Activities sections of the issue charge to clarify that all issues germane to the comprehensive review of the ARR/FTR market design are included in the scope of the issue charge. Ms. Ruta Skucas, representing the Financial Marketers Coalition, withdrew their issue charge and voiced support for Mr. Borgatti's issue charge. The issue charge, now termed as the Stakeholder Coalition issue charge and the IMM issue charge were voted in succession by the committee.

**The committee did not endorse the IMM issue charge with 86(36%) in favor, 154(64%) opposed and 34 abstentions.**

**The committee endorsed the Stakeholder Coalition issue charge with 213(100%) in favor, 1(0%) opposed and 33 abstentions.**

### 3. **Interregional Incremental Auction Revenue Rights**

Mr. Brian Chmielewski, PJM, requested a vote to close this issue charge. Absent stakeholder feedback PJM recommended Status Quo.

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

**The committee approved the closure of the issue charge with 0 objections and 0 abstentions.**

## First Readings

### 4. **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 will be asked to endorse the manual revisions at the November MIC.**

### 5. **Manual 15 revisions related to VOM Compliance Filing**

Mr. Thomas Hauske reviewed conforming revisions to Manual 15: Cost Development Guidelines consistent with the May 10, 2019 VOM Compliance Filing that was recently accepted by FERC.

Mr. Hauske also reviewed the necessary actions Market Sellers must take in order to comply with the upcoming Fuel Cost Policy Annual Review deadline.

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

## Working Items

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

Mr. Liem Hoang, PJM, and Mr. Michael Zhang, PJM, provided education on Modeling Units with Stability Limitations. Ms. Morelli, PJM, noted that the committee would begin working through the interests and design component identification for this issue at the November MIC.

[Stability Limits in Markets and Operations](#)

## Additional Updates

### 7. **Load Reconciliation Settlement Process**

Mr. Ray Fernandez, PJM, updated the committee on a problem statement and issue charge on the load reconciliation settlement process that will be worked on at the Market Settlements Subcommittee.

### 8. **Communication & Subscription Improvements**

Ms. Monica Burkett, PJM, provided an update on the PJM communication/subscription tool.

### 9. **Extended Winter Outages**

Mr. Dean Manno, PJM, provided an informational update on extended transmission outages scheduled to occur over the winter peak period.

## 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](#).

### 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](#).

### Interregional Coordination Update

Materials are posted as informational only.

### CP Unit Specific Parameter Update

Materials are posted as informational only.

### Manual 3 updates

Materials are posted as informational only.

## Future Meeting Dates

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

## 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
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Canter, David	Appalachian Power Company	Transmission Owner
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	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
Davis, Jim	Dominion Energy	Transmission Owner
DeVita, Thomas	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
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Gluck, Jim	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
Hegde, Sushma	PJM Interconnection, LLC	Not Applicable
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
Hislop, David	PJM Interconnection, LLC	Not Applicable
Hoang, Liem	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	LS Power	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	Not Applicable
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Manno, Dean	PJM Interconnection, LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Monzon, Stephanie	PJM Interconnection, LLC	Not Applicable
Noonan, Casey	PJM Interconnection, LLC	Not Applicable
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Pilong, Chris	PJM Interconnection, LLC	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
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics, LLC	Not Applicable
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Whitehead, Jeffrey	GT Power Group	Not Applicable
Wydner, Mike	Nodal Exchange	Not Applicable

## Webex Meeting Attendees

Names	Company Name	Sector
Abdur-Rahman, Muhsin	ABB	Not Applicable
Anderson, Jared	SPG Global	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Battagliano, Alicia	Exelon Business Services Company, LLC	Transmission Owner
Bazar, Kevin	PJM Interconnection, LLC	Not Applicable
Bernabeu, Emanuel	PJM Interconnection, LLC	Not Applicable
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable
Boyle , Glen	PJM Interconnection, LLC	Not Applicable
Branch, John	NAES Corporation	Not Applicable
Bruce, Matt	MCG Energy	Other Supplier
Bruno, Joshua	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canchi ,Devendra	Monitoring Analytics, LLC	Not Applicable
Carmean, Greg	OPSI	Not Applicable
Carrier, Ron	Direct Energy Business, LLC	Other Supplier
Chandler, Kent	Public Utilities Commission of Kentucky	Not Applicable
Chang, Sean	Shell Energy North America (US), LP	Other Supplier
Chen,Hong	PJM Interconnection, LLC	Not Applicable
Chintapalli, Raj	BP Energy Company	Power Marketer
Coultas, Ann	Invenergy, LLC	Generation Owner
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
Currier ES, Jeff	Dominion Virginia Power	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Davis, Jim	Dominion Energy	Transmission Owner
DeLosa, Joseph	DE Public Service Commission	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
Duensing, Allison	Saracen Energy	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Durinsky, Mike	FirstEnergy Solutions Corp.	Transmission Owner
Engle, Andrew	XO Energy MA	Other Supplier
Ericson,Christine	Illinois Commerce Commission	Not Applicable
Fuess, Christian	PBF Power Marketing	Generation Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Greening, Michele	PJM Interconnection, LLC	Transmission Owner
Guntle, Vince	UGI Development Company	Generation Owner
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hastings, David	Market Interconnection LLC	Not Applicable
Hayik, Seth	Monitoring Analytics, LLC	Not Applicable
Heinle, Erik	D.C. Office of the People's Counsel	Not Applicable

Heisey, Bradley  
 Hohenshilt, Jennifer  
 Holter, Natasha  
 Hsia, Eric  
 Huang, Jame  
 Hurwich, Mark  
 Janicki, Diane  
 Jardot, Gina  
 Jens, Tom  
 Jeong, Hyo  
 Jha, Monica  
 Josyula, Siva  
 Keegan, Jack  
 Kelly, Stephen  
 Klein, Abram  
 Kozhuharov, Dimitar  
 Kuhn, Tyler  
 Kumar, Nikhil  
 LaRocque, Matthew  
 Lawson, David  
 Lejcar, Jamie  
 Leopold, Chris  
 Libbos, Robin  
 Logan, Sharon  
 Long, Matthew  
 Lowe, Connie  
 Mancuso, Melanie  
 Mariam, Yohannes  
 Marcino, Angelo  
 Martin, Valerie  
 Mathew, Lagy  
 Matsuzak, Alex  
 Messina, Emmy  
 Mirhosseini, Niloufar  
 Mok, Alan  
 Murphy, Shaun  
 Ondayko, Brock  
 Pakela, Gregory  
 Patel, Anita  
 Patel, Keyurbhai  
 Pelletier, Eveline  
 Perera, Asanga  
 Pilon, Melissa  
 Poulos, Greg  
 Powers, Sean  
 Price, Mark  
 Price, Ruth  
 Ramsey, James  
 Reeping, Bob  
 Robinson, Becky

Wolf Hills Energy, LLC  
 Talen Energy Marketing, LLC  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 ConEdison Energy, Inc.  
 Elliott Bay Energy Trading, LLC  
 Boston Energy Trading & Marketing, LLC  
 Nautilus Power, LLC  
 Blackoak Capital  
 DC Energy  
 PCI  
 Monitoring Analytics, LLC  
 Just Energy  
 Brookfield Energy Marketing LP  
 Appian Way Energy  
 Delaware Municipal Electric Corporation, Inc.  
 Citadel FNGE Ltd.  
 SIG Energy, LLLP  
 PJM Interconnection, LLC  
 Osaka Gas USA Corporation  
 Allegheny Electric Cooperative, Inc.  
 Appalachian Power Company  
 FirstEnergy Solutions Corp.  
 The Federal Energy Regulatory Commission  
 Appalachain Power Company  
 Dominion Virginia Power  
 FirstEnergy Solutions Corp.  
 Office of the Peoples Counsel for the District of Columbia  
 PJM Interconnection, LLC  
 The Federal Energy Regulatory Commission  
 PJM Interconnection, LLC  
 UGI Eney Services  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Duke Energy Kentucky, Inc.  
 PJM Interconnection, LLC  
 Appalachain Power Company  
 DTE Energy Trading, Inc.  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 Hydro-Quebec  
 PJM Interconnection, LLC  
 PJM Interconnection, LLC  
 CAPS  
 Linde, LLC  
 DC Energy Mid-Atlantic, LLC  
 Division of the Public Advocate of the State of Delaware  
 Suffolk Fund LLC  
 Ohio Edison Company  
 Vistra Energy

Generation Owner  
 Generation Owner  
 Not Applicable  
 Not Applicable  
 Other Supplier  
 Other Supplier  
 Other Supplier  
 Generation Owner  
 Generation Owner  
 Other Supplier  
 Other Supplier  
 Not Applicable  
 Not Applicable  
 Other Supplier  
 Other Supplier  
 Other Supplier  
 Electric Distributor  
 Other Supplier  
 Other Supplier  
 Not Applicable  
 Not Applicable  
 Electric Distributor  
 Transmission Owner  
 Transmission Owner  
 Not Applicable  
 Transmission Owner  
 Not Applicable  
 Transmission Owner  
 End User Customer  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Other Supplier  
 Not Applicable  
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 Transmission Owner  
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 Transmission Owner  
 Other Supplier  
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 Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 End User Customer  
 Other Supplier  
 End User Customer  
 Other Supplier  
 Transmission Owner  
 Not Applicable

Robson, Matt	SESCO Enterprises LLC	Other Supplier
Rohrbach, John	ACES Power	Not Applicable
Rumsey, Amanda	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Schmitt, Jeff	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
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Silveira, Fabiano	Strom Power, LLC	Other Supplier
Singer, Chad	Fellon McCord	Not Applicable
Solomon, Greg	NextEra Energy Marketing, LLC	Other Supplier
Sotkiewicz, Paul	E-Cubed Policy Associates LLC	Not Applicable
Squibb, Bill	Ohio Valley Electric Corporation	Generation Owner
Starkov, Stefan	PJM Interconnection, LLC	Not Applicable
Stefanowicz, Vince	PJM Interconnection, LLC	Not Applicable
Stone, Andy	PJM Interconnection, LLC	Not Applicable
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Swalwell, Brad	Tangent Energy	Other Supplier
Tangirala, Subha	ABB	Not Applicable
Thompson, Matthew	XO Energy MA	Other Supplier
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Vayda, Brian	Borough of Park Ridge, NJ	Electric Distributor
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Wei, Jane	Monitoring Analytics, LLC	Not Applicable
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Wilmoth ES, Emily	Dominion Virginia Power	Not Applicable
Wisersky, Megan	Madison Gas & Electric Co.	Other Supplier
Xu, Xu	PJM Interconnection, LLC	Not Applicable
Zhou, Ming	PSEG Energy Resources and Trade LLC	Transmission Owner

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