

Market Implementation Committee (MIC)

WebEx Only

October 7 2020

9:00 a.m. – 4:00 p.m. EPT

Administration

Nicholas DiSciullo reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and the WebEx Participant Identification Requirements.

The Committee approved the draft minutes from the September 2, 2020 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

Lisa Morelli reviewed the MIC Charter as part of a standing annual item in the MIC work plan. She indicated the charter as drafted continues to accurately address the work undertaken by the MIC and invited stakeholders to provide any feedback on the charter to her via email following the meeting.

Endorsements/Approvals

2. Behind the Meter Generation

Terri Esterly reviewed the Problem Statement and Issue Charge addressing clarifications to the Behind the Meter Generation business rules related to a BTMG unit changing status from BTMG (netting against the load) to a resource participating in PJM Markets (and vice versa).

The committee approved the problem statement and issue charge by acclamation with 0 objections and 0 abstentions.

[Issue Tracking: Behind the Meter Generation Business Rules on Status Changes](#)

3. Biennial Review of Manual 15

Gabrielle Genuario and Roger Cao reviewed updates to Manual 15: Cost Development Guidelines as part of the Biennial Review.

The committee endorsed the Manual 15 revisions by acclamation with 0 objections and 0 abstentions.

4. Manual 18 Updates

Jeff Bastian reviewed the Problem Statement and Issue Charge addressing a minor correction to Manual 18: Capacity Market with regards to an effective date for notifying pseudo-tied resource owners of their assigned LDA prior to each delivery year. The issue was proposed using the Quick Fix process outlined in Section 8.6.1 of Manual 34: PJM Stakeholder Process.

The committee approved the Manual 18 problem statement and endorsed the Manual 18 revisions with 149 (78%) in favor, 43 (22%) opposed and 21 abstentions.

First Readings

5. Fuel Cost Policy Enhancements

A) Bhavana Keshavamurthy provided a first read of the PSEG proposal addressing Key Work Activity 4 of the Fuel Cost Policy Enhancements Issue Charge.

B) Catherine Tyler, Monitoring Analytics, presented the IMM's comments.

Stakeholders requested clarity on what the MIC will be asked to vote upon since there are no manual or tariff revisions required by the proposal. Ms. Keshavamurthy clarified that the committee will be asked to approve the proposed solution to create a cost-based offer calculator and sending the work of developing the implementation details to the Cost Development Subcommittee.

[Issue Tracking: Fuel Cost Policy](#)

6. Real Time Values Market Rules

A) Laura Walter provided an update on the work completed during the MIC Special Session meetings and reviewed the solution packages from the Real Time Values Market Rules matrix.

B) Siva Josyula, Monitoring Analytics, presented the details of the IMM package on the Real Time Values issue.

The committee will be asked to vote on the two packages at the November MIC meeting.

[Issue Tracking: Real Time Market Values](#)

7. Manual 11 Revisions

Vijay Shah reviewed the proposed updates to Manual 11: Energy & Ancillary Services Market Operations. The changes are around increasing transparency and conforming to current PJM process as part of the 5 minute Dispatch and Pricing Problem Statement.

The committee will be asked to vote on the revisions at the November MIC meeting.

[Issue Tracking: Five Minute Dispatch and Pricing](#)

Working Items

8. Market Suspension

Stefan Starkov presented education on the Market Suspension issue, addressing the first 4 items of Phase 1 from the Issue Charge. This issue will continue to be worked at the November MIC meeting.

[Issue Tracking: Rules Related to Market Suspension](#)

9. PRD Credits Disposition

Lisa Morelli facilitated a discussion on the PRD Credits Disposition issue and the committee began working the Consensus Based Issue Resolution (CBIR) process. Stakeholders were given an opportunity to offer interests, design components and solution options and are encouraged to send suggested additions to the matrix prior to the November MIC meeting.

[Issue Tracking: Price Responsive Demand \(PRD\) Credits Disposition](#)

Additional Items

10. **Fast Start Pricing Implementation**

Phil D'Antonio provided an update on the tentative plan for the Fast Start Pricing implementation. The MIC Special Session – Fast Start Refresher Education meeting is scheduled for October 19.

11. **Extended Transmission Outage Winter 2020-21**

Marilyn Jayachandran provided a review of an extended outage that will occur over the upcoming winter.

12. **CP Unit Specific Parameter Update**

Thomas Hauske provided an update on the CP Unit Specific Parameters process.

13. **Long-Term 5-Minute Dispatch & Pricing Work Plan**

Aaron Baizman provided an update on the work plan to address the Long-Term 5-Minute Dispatch & Pricing effort.

14. **Capacity Capability Senior Task Force Update**

Andrew Levitt provided an overview on the ELCC data submission requirements and applicable deadlines by delivery year for intermittent and limited duration resources.

Informational Section

FTR Auction Bid Limit Reminder

Materials are posted as informational only. Brian Chmielewski was available at the MIC to answer questions and address concerns about this rule not being enforced. This issue will be brought to the ARR FTR Market Task Force and/or the November MIC meeting for additional discussion.

Manual 03 Changes

Materials provide an overview of changes made to Manual 3 as part of the periodic review. Materials are posted as informational only.

Manual 03 Attachment E Automatic Sectionalizing Schemes

This document is posted in accordance with requirements stated in Manual 3, Section 5. Materials are posted as informational only.

Interregional Coordination Update

Materials are posted as informational only.

Credit Subcommittee (CS)

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

Demand Response Subcommittee (DRS)

Meeting materials are posted to the [DRS website](#).

DER & Inverter-based Resources Subcommittee (DIRS)

Meeting materials are posted to the [DIRS website](#).

Market Settlements Subcommittee (MSS)

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

Report on Market Operations

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

Future Meeting Dates

November 5, 2020	9:00 a.m.	WebEx
December 2, 2020	9:00 a.m.	WebEx

Author: Nicholas DiSciullo

WebEx Meeting Attendees

Names	Company Name	Sector
Morelli, Lisa (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Aguilar, Fabiano Silveira	Strom Power, LLC	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Antonelli, Diane	PJM Interconnection, LLC	Not Applicable
Baizman, Aaron	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Stephen	PJM Interconnection, LLC	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bockhorn, Tim	Dayton Power & Light Company (The)	Transmission Owner
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Branch, John	SunCoke Energy, Inc.	Generation Owner
Breidenbaugh, Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Butner, Matthew	The Federal Energy Regulatory Commission	Not Applicable
Cao, Roger	PJM Interconnection, LLC	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Chang, Sean	Shell Energy North America (US), LP	Other Supplier
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Christopher, Mahila	Public Utilities Commission of Ohio (The)	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable

Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Davis, Elizabeth (Becky)	PJM Interconnection, LLC	Not Applicable
Davis, James (Jim)	Dominion Energy Marketing, Inc.	Generation Owner
Davis, Mike	Northern Virginia Electric Cooperative (South Boston)	Electric Distributor
DeLosa, Joseph	DE Public Service Commission	Not Applicable
DePillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
DeVita, Thomas	PJM Interconnection, LLC	Not Applicable
Di Iorio, Michelle	PSEG Energy Resources and Trade LLC	Transmission Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Domian, Christin	Duquesne Light Company	Transmission Owner
Dropkin, Ilyana	PJM Interconnection, LLC	Not Applicable
Duensing, Allison	Saracen Energy East LP	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Elkins, Rachel	American Transmission Systems, Inc.	Transmission Owner
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Esterly, Theresa	PJM Interconnection, LLC	Not Applicable
Everngam, Scott	The Federal Energy Regulatory Commission	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Fazio, Danielle	Noble Americas Gas & Power Corp.	Other Supplier
Fereshetian, Damon	PJM Interconnection, LLC	Not Applicable
Fernandez, Raymond	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing LLC	Generation Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gluck, Jim	PJM Interconnection, LLC	Not Applicable
Greening, Michele	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Grimes, Jordan	Morningstar Commodity Data	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Harris, Makenna	Adapt 2 Solutions	Not Applicable
Hastings, David	Market Interconnection Consulting Services (MICS)	Not Applicable
Hauske, Elizabeth	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End User Customer
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Electric Distributor
Holland, Risa	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
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hugee, Jacquelynn	PJM Interconnection, LLC	Not Applicable
Hull, Gerit	Jennings, Strouss & Salmon, P.L.C.	Not Applicable
Hyzinski, Tom	GT Power Group	Not Applicable
Iler, Art	Indiana Office of Utility Consumer Counsel	End User Customer
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jayachandran, Marilyn	PJM Interconnection, LLC	Not Applicable
Jens, Thomas	Black Oak Energy, LLC	Other Supplier
Jett, William	Duke Energy Business Services LLC	Generation Owner
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.	Not Applicable
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Keegan, John	Just Energy Solutions, Inc.	Other Supplier
Keenan, Matthew	Jpower USA	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana	PJM Interconnection, LLC	Not Applicable
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kirk, Ryan	Appalachian Power Company	Transmission Owner
Kogut, George	New York Power Authority	Other Supplier
Konowal, Richard	PJM Interconnection, LLC	Not Applicable
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Kumar, Nikhil	SIG Energy, LLLP	Other Supplier
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Levitt, Andrew	PJM Interconnection, LLC	Not Applicable
Li, Kanning	PJM Interconnection, LLC	Not Applicable
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lowe, Connie	Dominion Virginia Power	Not Applicable
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Makovsky, Mike	PJM Interconnection, LLC	Not Applicable
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McDaniel, John	Baltimore Gas and Electric Company	Transmission Owner
McGlynn, Paul	PJM Interconnection, LLC	Not Applicable
McLaverty, Megan	PJM Interconnection, LLC	Not Applicable
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Nichols, Ross	Adapt 2 Solutions	Not Applicable

Nix, Emma	Gable and Associates	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Olinger, Robert	Keystone Projects	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
Phillips, Jennifer	C.P. Crane LLC	Generation Owner
Pilong, Christopher	PJM Interconnection, LLC	Not Applicable
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Pizzutelli, Ashley	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Ponthot, Rosana	PSEG Energy Solutions, LLC	Other Supplier
Poulos, Greg	CAPS	Not Applicable
Pratt, Nicholas	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Procnuniar, Jason	Dayton Power & Light Company (The)	Transmission Owner
Rainey, John	Northern Virginia Electric Cooperative	Electric Distributor
Rismiller, Randy	Illinois Commerce Commission	Not Applicable
Robinson, Becky	Vistra Energy	Not Applicable
Rodriguez, Tomas	OPSI	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Scheirer, Alexandra	PJM Interconnection, LLC	Not Applicable
Schmitt, Jeffrey	PJM Interconnection, LLC	Not Applicable
Schum, Alice	Illinois Municipal Electric Agency	Electric Distributor
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Schweizer, David	PJM Interconnection, LLC	Not Applicable
Seireg, Bahaa	ConEdison Energy, Inc.	Other Supplier
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shegarfi, Roozbeh	Exelon Energy Company	Transmission Owner
Singer, Chad	Trane Grid Services, LLC	Other Supplier
Sotkiewicz, Paul	E-Cubed Policy Associates	Not Applicable
Squibb, Bill	Ohio Valley Electric	Generation Owner
Starkov, Stefan	PJM Interconnection, LLC	Not Applicable
Stone, Andy	PJM Interconnection, LLC	Not Applicable
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Svenson, Heather	Public Service Electric & Gas Company	Transmission Owner
Sweeney, Rory	GT Power Group	Not Applicable
Tam, Simon	PJM Interconnection, LLC	Not Applicable
Tangirala, Subha	ABB	Not Applicable
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
VanderLaan, D. William	Illinois Commerce Commission	Not Applicable

Vayda, Brian
Walter, Laura
Ward, Michael
Warshel, Kim
Weeks, Thomas
Whitehead, Jeffrey
Widom, Stuart
Wise, Christopher
Wunderlich, David
Yeaton, Andrea
Yoder, Michael
Zemanek, Kevin
Zhao, Tong

Borough of Park Ridge, NJ
PJM Interconnection, LLC
PJM Interconnection, LLC
PJM Interconnection, LLC
Michigan Public Power Agency
GT Power Group
PJM Interconnection, LLC
Dominion Energy Generation Marketing, Inc.
Nexus Energy Inc.
PJM Interconnection, LLC
RTO Insider
Buckeye Power, Inc.
PJM Interconnection, LLC

Electric Distributor
Not Applicable
Not Applicable
Not Applicable
Generation Owner
Not Applicable
Not Applicable
Generation Owner
Other Supplier
Not Applicable
None
Electric Distributor
Not Applicable