

Market Implementation Committee (MIC)

WebEx Only

November 5 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 October 7, 2020 Market Implementation Committee meeting with **0 objections and 0 abstentions**.

Endorsements/Approvals

2. Fuel Cost Policy Enhancements

- A) Bhavana Keshavamurthy reviewed the PSEG proposal addressing Key Work Activity 4 of the Fuel Cost Policy Enhancements Issue Charge.
- B) Catherine Tyler, IMM, presented the IMM's comments.

The committee endorsed the PSEG proposal with 136 (69%) in favor, 62 (31%) opposed, and 44 abstentions.

A non-binding poll showed stakeholders preferred the PSEG proposal with 133 (68%) in favor over status quo 63 (32%).

[Issue Tracking: Fuel Cost Policy](#)

3. Real Time Values Market Rules

- A) Laura Walter reviewed the PJM package from the Real Time Values Market Rules matrix.
- B) Siva Josyula, IMM, reviewed the details of the IMM package on the Real Time Values issue.

The committee endorsed the PJM proposal with 166 (73%) in favor, 60 (27%) opposed, and 7 abstentions.

The committee did not endorse the IMM proposal with 18 (8%) in favor, 197 (92%) opposed, and 7 abstentions.

A non-binding poll showed stakeholders preferred the PJM proposal with 119 (55%) in favor over status quo 98 (45%).

The PJM proposal moves to the Market and Reliability Committee (MRC) as the primary motion.

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

4. Manual 11 Revisions

Vijay Shah reviewed 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 endorsed the Manual 11 revisions by acclamation with 0 objections and 0 abstentions.

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

First Readings

5. **Manual 6: FTR Bid Limits Changes**

Brian Chmielewski provided a first read of updates to Manual 6: Financial Transmission Rights. The changes address the enforcement of FTR Bid Limits at the corporate entity level. **The committee will be asked to endorse these changes at the December MIC meeting.**

6. **Manual 11 and Manual 18: Public Distribution Microgrids Changes**

Natalie Tacka reviewed a proposal on Public Distribution Microgrids and provided a first read of updates to Manual 11: Energy & Ancillary Services Market Operations and Manual 18: PJM Capacity Market. **The committee will be asked to endorse these changes at the December MIC meeting.**

Working Items – Part 1

7. **PRD Credits Disposition**

Lisa Morelli facilitated a discussion to review design components and solution options with the committee. David Bloom, BGE, provided details on the BGE package. Stakeholders are requested to provide additional proposals and feedback prior to the December MIC. If additional solution options are not received in advance of the next meeting, this item will appear as a first read on the December MIC agenda.

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

8. **Market Suspension**

A) Stefan Starkov provided education on the Market Suspension issue, addressing PJM Manual Dispatch. Stakeholders requested additional clarity on failure modes and the problems that come with them.

B) Lisa Morelli facilitated a discussion on the Market Suspension issue and the committee began working the Consensus Based Issue Resolution (CBIR) process. Stakeholders were given an opportunity to offer interests and design components and are encouraged to send suggested additions to the matrix prior to the December MIC.

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

First Readings – Part 2

9. **Manual 28: UTC Uplift Changes**

Ray Fernandez provided a first read of updates to Manual 28: Operating Agreement Accounting conforming with the changes to FERC Order EL-14-37-000. The changes address the allocation of real-time uplift and day-ahead uplift to UTCs. **The committee will be asked to endorse these changes at the December MIC meeting.**

Working Items – Part 2

10. **Transparency in Performance Assessment Interval Settlements**

Joel Luna, IMM, and Joe Bowring, IMM, provided the IMM's perspective on the topic of Transparency in Performance Assessment Interval Settlements. This issue will be sent to MIC Special Sessions (held separately or at the end of the monthly MIC meetings) to be worked in greater detail.

[Issue Tracking: Transparency in Performance Assessment Interval Settlements](#)

Additional Items

11. **Stability Limits in Markets and Operations**

Joe Ciabattone reviewed and solicited feedback on proposed updates to Manual 3: Transmission Operations and Manual 28: Operating Agreement Accounting to reflect the Capacity Constraint package.

The matrix was updated prior to the meeting with revisions to the After-the-Fact Reporting design component for the Capacity Constraint Package.

Stakeholders requested that PJM review the potential need for Manual 11: Energy & Ancillary Services Market Operations and Tariff revisions in order to fully implement the endorsed proposals. Stakeholders also requested that PJM develop additional manual language for the Opportunity Cost Package since it will also be forwarded to the MRC for consideration and review the After-the-Fact reporting language for inclusion in the manuals. Additional discussion will occur on this issue at the December MIC meeting.

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

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

Aaron Baizman provided an update on the PJM Long-Term 5-Minute Dispatch & Pricing effort.

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

13. **Fast Start Pricing Implementation**

Phil D'Antonio provided an update on the tentative plan for the Fast Start Pricing implementation.

14. **Minimum Offer Price Rule Update**

Paul Scheidecker provided an update on Base Residual Auction activities that may voluntarily commence prior to a firm auction schedule. An update was also provided on the State Subsidy guidance process.

Informational Section

CP Unit Specific Parameter Update

Materials are posted as informational only.

Q3 2020 Net Energy Injections Quarterly Report

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

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
Abramowitz, Jeremy	Monitoring Analytics, LLC	Not Applicable
Aguilar, Fabiano Silveira	Strom Power, LLC	Other Supplier
Ament, Todd	Mahoning Creek Hydroelectric Company, LLC	Generation Owner
Anders, David	PJM Interconnection, LLC	Not Applicable
Antonelli, Diane	PJM Interconnection, LLC	Not Applicable
Baizman, Aaron	PJM Interconnection, LLC	Not Applicable
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bencheck, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Stephen	PJM Interconnection, LLC	Not Applicable
Bhana, Raj	Exelon Business Services Company, LLC	Transmission Owner
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
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
Bowen, Brandon	Indiana Untility Regulatory Commission	Not Applicable
Bowring, Joseph	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable

Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Cao, Roger	PJM Interconnection, LLC	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Carrier, Ron	Direct Energy Business, LLC	Other Supplier
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Chang, Sean	Shell Energy North America (US), LP	Other Supplier
Chen, Hong	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Chu, George	PJM Interconnection, LLC	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
Curtis, Dan	Delmarva Power & Light Company	Electric Distributor
Curtis, Kenneth	Twin Eagle Resource Management, LLC	Other Supplier
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Davis, James (Jim)	Dominion Energy Marketing, Inc.	Generation Owner
Davis, Mike	Northern Virginia Electric Cooperative (South Boston)	Electric Distributor
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
Di Iorio, Michelle	PSEG Energy Resources and Trade LLC	Other Supplier
Dillon, Matthew	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Domian, Christin	Duquesne Light Company	Transmission Owner
Dorko, Keri	Monitoring Analytics, LLC	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Eckstein, Jim	Duke Energy Kentucky, Inc.	Transmission Owner
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Elkins, Rachel	First Energy Company	Transmission Owner
Ellis, David	Public Service Electric & Gas Company	Transmission Owner
Esterly, Theresa	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Fazio, Danielle	Noble Americas Gas & Power Corp.	Not Applicable
Fereshetian, Damon	PJM Interconnection, LLC	Not Applicable
Fernandez, Raymond	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	PJM Interconnection, LLC
Fishback, Luke	Affirmed Energy LLC	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Other Supplier
Flamm, Sean	PJM Interconnection, LLC	Generation Owner
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Not Applicable
Fuess, Christian	PBF Power Marketing LLC	Electric Distributor
Gates, Terry	Appalachian Power Company	Generation Owner
Genuario, Gabrielle	PJM Interconnection, LLC	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Not Applicable
Greening, Michele	PJM Interconnection, LLC	Other Supplier
Greiner, Gary	PSEG Energy Resources and Trade LLC	Not Applicable
		Other Supplier

Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Market Interconnection Consulting Services (MICS)	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End-Use Customer
Herbert, Sebastian	DC Energy LLC	Other Supplier
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
Hilderbrand, Rebecca	PJM Interconnection, LLC	Not Applicable
Hoang, Liem	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holland, Risa	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
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Huang, Jame	Rockland Electric Company	Transmission Owner
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hull, Gerit	Jennings, Strouss & Salmon, P.L.C.	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	Other Supplier
Jens, Thomas	Black Oak Energy, LLC	Other Supplier
Jett, William	Duke Energy Business Services LLC	Transmission 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
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Keenan, Matthew	Jpower USA	Not Applicable
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kersanty, Jeff	Appalachian Power Company	Transmission Owner
Keshavamurthy, Bhavana	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kogut, George	New York Power Authority	Other Supplier
Konowal, Richard	PJM Interconnection, LLC	Not Applicable
Kuo, David	DC Energy LLC	Other Supplier
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Li, Kanning	PJM Interconnection, LLC	Not Applicable
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Litchfield, Matthew	CPV Shore, LLC	Generation Owner
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer

Mathew, Lagy	PJM Interconnection, LLC	Not Applicable
Matuszak, Alex	UGI Energy Services, LLC	Other Supplier
McGlynn, Paul	PJM Interconnection, LLC	Not Applicable
McLaverty, Megan	PJM Interconnection, LLC	Not Applicable
Messina, Emmy	PJM Interconnection, LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Militello, Nicole	PJM Interconnection, LLC	Not Applicable
Miller, John	Commonwealth Edison Company	Transmission Owner
Mooney, Jeffrey	FirstEnergy Solutions Corp.	Transmission Owner
Nichols, Ross	Adapt 2 Solutions	Not Applicable
Nix, Emma	Gable and Associates	Not Applicable
Noonan, Casey	PJM Interconnection, LLC	Not Applicable
Nowell, Cynthia	Delmarva Power & Light Company	Electric Distributor
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Ondayko, Brock	Appalachian Power Company	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Parker, Amanda	Pennsylvania Electric Company	Electric Distributor
Patel, Keyur	PJM Interconnection, LLC	Generation Owner
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
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
Poulos, Greg	CAPS	Not Applicable
Pratt, Nick	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Purdie, Michael	Dominion Virginia Power	Not Applicable
Rismiller, Randy	Illinois Commerce Commission	Not Applicable
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Robinson, Paul	The Federal Energy Regulatory Commission	Not Applicable
Rodriguez, Tomas	OPSI	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rosenthal, Peter	Energy Aspects	Other Supplier
Ross, Richard	Appalachian Power Company	Transmission Owner
Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
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
Schum, Alice	Illinois Municipal Electric Agency	Electric Distributor
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Seide, Richard	Apex Clean Energy	Not Applicable
Seirig, Bahaa	Con Edison Co. of NY	Not Applicable
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
Sotkiewicz, Paul	E-Cubed Policy Associates	Not Applicable
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Squibb, Bill	Ohio Valley Electric Corp	Transmission Owner

Starkov, Stefan	PJM Interconnection, LLC	Not Applicable
Stern, Alexander (Alex)	Public Service Electric & Gas Company	Transmission Owner
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
Tacka, Natalie	PJM Interconnection, LLC	Not Applicable
Tangirala, Subha	ABB	Not Applicable
Theodore, Sharon	Electric Power Supply Association	Not Applicable
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
Vargo, Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Weathers, Brian	PJM Interconnection, LLC	Not Applicable
Webster, John	Dyon LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Widom, Stuart	PJM Interconnection, LLC	Not Applicable
Wise, Christopher	Dominion Energy Generation Marketing, Inc.	Generation Owner
Wisersky, Megan	Madison Gas & Electric Company	Other Supplier
Yeaton, Andrea	PJM Interconnection, LLC	Not Applicable
Yoder, Michael	RTO Insider	Not Applicable
Zhao, Tong	PJM Interconnection, LLC	Not Applicable