

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
December 13, 2017
9:00 a.m. – 1:00 p.m. EPT

Administration

1. Ms. Christina Stotesbury and Ms. Chantal Hendrzak, PJM, provided announcements and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.
2. The committee approved the draft minutes from the November 8, 2017 Market Implementation Committee meeting by acclamation with 0 objections and 0 abstentions.
3. Ms. Christina Stotesbury, PJM, reviewed the active MIC issues on [Issue Tracking](#).

Ms. Jennifer Tribulski, PJM, provided a brief update on the FERC Order addressing Remand in the MOPR Proceeding. More details will be provided at the December 21 MRC meeting.

Endorsements/Approvals

4. FTR Modeling, Performance & Surplus

Mr. Brian Chmielewski, PJM, reviewed the solution proposals that came out of the FTRMPS Special Sessions of the MIC. The committee was asked to endorse a proposal for each issue.

- A. Long Term FTR Modeling Enhancements for Future Transmission Expansions. **The committee endorsed the proposal by acclamation with 0 objections and 1 abstention.**
- B. Monthly FTR Auction Case Performance. **The committee endorsed the proposal by acclamation with 0 objections and 1 abstention.**
- C. Day-Ahead and FTR Auction Surplus. **The committee endorsed Package A with 157 in favor (90%), 17 opposed (10%), and 11 abstentions. Package B failed to meet the majority support threshold with 48 in favor (34%), 94 opposed (66%), and 12 abstentions.**

Mr. Brian Chmielewski, PJM, also provided a first read of governing document redline revisions associated with the proposed revisions to address the Modeling, Performance and Surplus FTR issues. The committee will be asked to endorse the governing document revisions at the January MIC meeting.

- D. FTRMPS Manual and Tariff Redline Revisions
- E. FTRMPS Executive Summary of Manual Changes

5. Seasonal DR Aggregation Registration Rules – Problem Statement and Issue Charge

Ms. Katie Guerry, EnerNOC, reviewed the problem statement and issue charge to address the aggregation of summer and winter Demand Response MWs for the Capacity Performance Annual Requirement.

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

First Readings

6. FTR Nodal Remapping - Problem Statement & Issue Charge

Mr. Brian Chmielewski, PJM, presented a first read of a problem statement and issue charge to address FTR nodal remapping. The committee will be asked to approve the problem statement and issue charge at the January meeting.

7. Market Path/Interface Pricing Point Alignment

A. Mr. Tim Horger, PJM, presented the PJM-IMM joint proposal to address the Market Path/Interface Pricing Point Alignment issue.

B. Mr. Steve Kelly, Brookfield Renewable, and Mr. Brock Ondayko, AEP, presented alternative proposals for consideration and discussion.

The solution proposals to address this issue will be presented for another first read in January. The committee will be asked to endorse a proposal at the February meeting.

8. RERRA Review of Energy Efficiency Participation

Mr. Pete Langbein, PJM, provided an update on the FERC Order regarding the Declaratory Order for the RERRA review of Energy Efficiency participation in wholesale markets, and presented a first read of the Demand Response Subcommittee proposal for the RERRA review of Energy Efficiency resource participation in the Capacity Market.

Working Issues

9. Transmission Penalty Factors

Ms. Lisa Morelli, PJM, provided an update on discussions between PJM and the Market Monitor to modify the Transmission Penalty Factor during scarcity conditions. Stakeholders were given an opportunity to offer design components and solution options for consideration. This issue will continue to be worked at the January MIC meeting.

Additional Updates

10. Operationalizing Gas Pipeline Contingencies

Mr. Joe Ciabattone, PJM, and Mr. Augustine Caven, PJM, provided an update on energy market implications associated with the Operationalizing Gas Pipeline Contingencies initiative. Additional information will be presented at the MRC on December 21.

11. Resilience Roadmap

Ms. Stephanie Monzon, PJM, provided an update on the Resilience Roadmap.

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](#).

Interregional Coordination Activity

Materials were posted for informational purposes only. Mr. Tim Horger, PJM, was available at the MIC meeting to answer any questions.

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 10, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
February 7, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
March 7, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
April 4, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
May 2, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
June 6, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
July 11, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
August 8, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
September 12, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
October 10, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
November 7, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center
December 12, 2018	9:00 a.m.	PJM Interconnection – Conference & Training Center

In-person Attendees

Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Bencheck, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable

Crystle, Gil	UGI Development Company	Transmission Owner
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
des Rosiers, Jared	Pierce Atwood, LLP	Not Applicable
Dillon, Matthew	UGI Development Company	Generation Owner
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Farmer, Larry	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, James	PBF Power Marketing LLC	Generation Owner
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Hastings, David	Market Interconnection LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lapierre, Daniel	Brookfield Energy Marketing LP	Other Supplier
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Pakela, Gregg	DTE Energy Trading, Inc.	Other Supplier
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Powers, Sean	Linde Energy Services, Inc.	End User Customer
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Scheidecker, Paul	PJM Interconnection, LLC	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Skucas, Ruta	Pierce Atwood	Not Applicable
Sweeney, Rory	RTO Insider	Not Applicable
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable

Whitehead, Jeffrey	GT Power Group	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable

WebEx Attendees

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bazar, Kevin	PJM Interconnection, LLC	Not Applicable
Bennett, Stephen	PJM Interconnection, LLC	Not Applicable
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Bonanni, John	NRG Power Marketing LLC	Generation Owner
Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Bruno, Joshua	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Callaghan, Chris	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Caven, Augustine	PJM Interconnection, LLC	Not Applicable
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Chen, Jennifer	Natural Resources Defense Council	Not Applicable
Chintapalli, Raj	Galt Power Inc.	Other Supplier
Chocarro Aguirrebengoa, Iker	E.ON Climate & Renewables North America, Inc.	Generation Owner
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Cox, EdwardP	Appalachian Power Company	Transmission Owner
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Cummings, Bridgid	PJM Interconnection, LLC	Not Applicable
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Davis, James	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
Dessender, Harry	Customized Energy Solutions, Ltd.	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Dolan, James	PJM Interconnection, LLC	Not Applicable
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Doremus, Steven	EnerNOC, Inc.	Other Supplier
Drom, Rick	Eckert Seamans	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Duquaine, Mark	Aces Power Marketing Inc.	Not Applicable

Endress, Eric	PJM Interconnection, LLC	Not Applicable
Engelby, Ben	Southern Maryland Electric Cooperative	Electric Distributor
Esterly, Terri	PJM Interconnection, LLC	Not Applicable
Evrard, David	Pennsylvania Office of Consumer Advocate	End User Customer
Foladare, Kenneth	Tangibl	Not Applicable
Fort, Jim	The Energy Authority	Other Supplier
Fox, Angela	Wylan Energy, L.L.C.	Not Applicable
Fuhr, Gretchen	Commerce Energy, Inc.	Other Supplier
Gahimer, Mike	IN Office of Utility Consumer Counselor	End User Customer
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Gerber, Rebecca	PJM Interconnection, LLC	Not Applicable
Giacomoni, Anthony	PJM Interconnection, LLC	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Glazer, Craig	PJM Interconnection, LLC	Not Applicable
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Greening, Michele	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hartman, Carla	Adapt2 Solutions, Inc.	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hayik, Seth	Monitoring Analytics, LLC	Not Applicable
Haynes, Greg	Energy Authority, Inc. (The)	Other Supplier
Heinle, Frederick	Office of the People's Counsel	End User Customer
Herman, Michael	PJM Interconnection, LLC	Not Applicable
Hilaski, Steve	Potomac Electric Power Company	Electric Distributor
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
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hugee, Jacquelynn	PJM Interconnection, LLC	Not Applicable
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Jani, Alpa	PJM Interconnection, LLC	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Jett, William	Duke Energy Business Services LLC	Generation Owner
Jha, Monica	PCI	Not Applicable

Kaczanowski, Marek	Baltimore Gas and Electric Company	Transmission Owner
Karnik, Rashmi	Other	Not Applicable
Kazerooni, Hamid	Talen Energy Marketing, LLC	Generation Owner
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kingston, Amber	North Carolina Electric Membership Corporation	Electric Distributor
Kinser, Cynthia	Tennessee Department of Agriculture	Not Applicable
Knies, Heather	EDF Trading North America, LLC	Other Supplier
Kolo, Elta	GTM	Not Applicable
Kormos, Mike	Exelon Generation Co., LLC	Generation Owner
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
LeBris Erffmeyer, Jacques	Illinois Citizens Utility Board	End User Customer
Lee, Lori Murphy	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Leopold, Chris	Appalachian Power Company	Transmission Owner
Lewis, Cara	Public Service Electric & Gas Company	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Lind, Clarke	Powerex Corporation	Other Supplier
Logan, Sharon	The Federal Energy Regulatory Commission	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mae Velasco, Cheryl	PJM Interconnection, LLC	Not Applicable
Mancuso, Melanie	FirstEnergy Solutions Corp.	Transmission Owner
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marton, David	FirstEnergy Solutions Corp.	Transmission Owner
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Matheson, Doug	EnerNOC, Inc.	Other Supplier
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
McLaughlin, Jeffrey	PJM Interconnection, LLC	Not Applicable
McLavery, Megan	PJM Interconnection, LLC	Not Applicable
Merola, Becky	Noble Americas Energy Solutions LLC	Other Supplier
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Miller, John	Commonwealth Edison Company	Transmission Owner
Nawaz, Zainab	NJ Board of Public Utilities	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Olenick, Cory	West Oaks Energy, LP	Other Supplier
Ondayko, Brock	Appalachian Power Company	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	Not Applicable

Pacella, Chris	PJM Interconnection, LLC	Not Applicable
Patel, Anita	PJM Interconnection, LLC	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Patten, Kevin	Appalachian Power Company	Transmission Owner
Peebles, Andy	Saracen Energy East LP	Other Supplier
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Philips, Marjorie	Direct Energy Business, LLC	Other Supplier
Pratzon, David	GT Power Group	Not Applicable
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Prokop, Brenda	ITC Mid-Atlantic Development LLC	Other Supplier
Rajan, Abhijit	Dominion Resources	Not Applicable
Ramsey, James	Suffolk Fund LLC	Other Supplier
Rault, Mary-Beth	Old Dominion Electric Cooperative	Electric Distributor
Rayhorn, Carolyn	Dominion Virginia Power	Not Applicable
Reams, William	Allegheny Electric Cooperative, Inc.	Electric Distributor
Riehl, John	The Federal Energy Regulatory Commission	Not Applicable
Ritchie, Sandra	PJM Interconnection, LLC	Not Applicable
Robins, Pip	EMC Development Company, Inc.	Other Supplier
Robinson, Maria	Advanced Energy Economy, Inc.	Not Applicable
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rothey, Kristin	American Municipal Power, Inc.	Electric Distributor
Ruck, Andrew	PSEG Energy Resources and Trade, LLC	Other Supplier
Rushing, Nathan	CPV Maryland, LLC	Generation Owner
Russo, Michael	LDH Energy Funds Trading Ltd.	Not Applicable
Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Saini, Ishwar	Macquarie Energy LLC	Other Supplier
Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schneider, Jon	FirstEnergy Solutions Corp.	Transmission Owner
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Seelaus, Andy	EMC Development Company, Inc.	Other Supplier
Seelaus, Tim	EMC Development Company, Inc.	Other Supplier
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Sock, Bryan	PSEG Energy Resources and Trade, LLC	Transmission Owner
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Stadelmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Stern, Alexander	Public Service Electric & Gas Company	Transmission Owner
Stewart, Travis	Gable and Associates	Not Applicable

Stone, Andy	PJM Interconnection, LLC	Not Applicable
Stuchell, Jeff	FirstEnergy Solutions Corp.	Transmission Owner
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Suh, Jung	Noble Americas Energy Solutions LLC	Other Supplier
Tangirala, Subha	ABB	Not Applicable
Tatum, Edward	American Municipal Power	Electric Distributor
Thomson, Heather	Mid-Atlantic Renewable Energy	Not Applicable
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Tigue, John	New York State Electric & Gas Corporation	Other Supplier
Tsao, Stephanie	SPGlobal	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
Vayda, Brian	Borough of Park Ridge, NJ	Electric Distributor
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Villeneuve, Alexandre	MAG Energy Solutions, Inc.	Other Supplier
Vitiello, Jacqueline	Dominion Energy Marketing, Inc.	Generation Owner
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Webster, John	Icetec.com, Inc.	Other Supplier
Wicks, Tonja	Duquesne Light Company	Transmission Owner
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Wilkie, Brian	Consolidated Edison Solutions, Inc.	Other Supplier
Williams, Amber	New York State Electric & Gas Corporation	Other Supplier
Wilmoth, Emily	Dominion Virginia Power	Not Applicable
Wilson, Bram	Diamond State Generation Partners, LLC	Generation Owner
Wilson, James	Wilson Energy Economics	Not Applicable
Wood, Gordon	ETC Endure Energy L.L.C.	Other Supplier
Yang, Dan	Parma Energy LLC	Other Supplier
Zadlo, Thomas	PJM Interconnection, LLC	Not Applicable

Author: Christina Stotesbury

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