

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
March 7, 2018
8:30 a.m. – 12:00 p.m. EPT

Administration

1. Ms. Christina Stotesbury and Ms. Chantal Hendrzak provided announcements; reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines, and [Issue Tracking](#).
2. The committee approved the draft minutes from the February 7, 2018 Market Implementation Committee meeting by acclamation with 0 objections and 0 abstentions.
3. **Administrative Updates**
 - A. Mr. Ray Fernandez, PJM, provided an update on the 5-minute settlements implementation scheduled for April 1, 2018.
 - B. Mr. Hal Loomis, PJM, provided an update on behalf of the Credit Subcommittee.
 - C. Mr. Todd Keech, PJM, provided an update on the Day-Ahead Market solve time performance.

Endorsements/Approvals

4. **FTR Forfeiture Rule - Problem Statement & Issue Charge**
 - A. Ms. Sharon Midgley, Exelon, presented a problem statement and issue charge to address the FTR Forfeiture Rule. **The committee approved the problem statement and issue charge by acclamation with 1 objection and 18 abstentions.**
 - B. Mr. Howard Haas, Monitoring Analytics, presented an alternate problem statement for discussion.
5. **Must Offer Exemption Process - Problem Statement & Issue Charge**

Ms. Midgley, Exelon, also presented a problem statement and issue charge to address the Must Offer Exemption process. **The committee approved the problem statement and issue charge with 0 objections and 0 abstentions.**

First Readings

6. **Variable Operations & Maintenance Packages**

Mr. Tom Hauske, PJM, provided a first read of three solution packages to address Variable Operations & Maintenance (VOM) Costs that were proposed in the VOM Special Session meetings. Additional information on the cost transition process will be presented at the MIC Special Session on March 20, and the committee will be asked to endorse a package at April MIC meeting.

[Issue Tracking: Variable Operations & Maintenance](#)

Working Issues

7. FTR Nodal Remapping

Mr. Brian Chmielewski, PJM, provided an overview of the FTR Nodal Remapping issue that was approved at the January MIC, and stakeholders were given an opportunity to provide interests and design components.

[Issue Tracking: FTR Nodal Remapping](#)

8. Long Term FTR Auction

A. Mr. Howard Haas, Monitoring Analytics, presented follow-up analysis requested at the February MC Webinar on the revenue discrepancy between the Long-Term FTRs and Annual FTRs.

B. Mr. Brian Chmielewski, PJM, provided an overview on the Long Term FTR issue and stakeholders were given an opportunity to provide interests and design components.

[Issue Tracking: Long Term FTR Auction](#)

9. Market Seller Offer Cap Balancing Ratio

Mr. Pat Bruno, PJM, provided an overview on the Offer Cap Balancing Ratio issue and stakeholders were given an opportunity to provide interests and design components.

[Issue Tracking: Balancing Ratio Determination](#)

Additional Updates

10. SPS Retirement Notification – Davis Creek

Mr. Mohit Singh, ComEd, presented the Davis Creek Special Protection Scheme retirement.

11. System Restoration Drill Update

Ms. Alpa Jani, PJM, provided an update on the upcoming System Restoration Drill planned for May 15-16, 2018. Invitations for participation will be sent on March 16, 2018.

12. CPL-DOM Reactive Transfer Interface

Mr. Chris Callaghan, PJM, presented the CPL-DOM Reactive Transfer Interface.

13. VOM Calculation Error

Dr. Catherine Tyler, Monitoring Analytics, provided an update on an error found in some units VOM calculation.

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](#).



Draft Minutes

Interregional Coordination Update

Materials are posted as informational only.

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

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

In-Person Participants

Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Benckek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Benner, Scott	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Callaghan, Chris	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
McLavery, Megan	PJM Interconnection, LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable

WebEx Participants

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bazar, Kevin	PJM Interconnection, LLC	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner

Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Brown, William	VECO Power Trading	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Cerchio, Jerry	Monitoring Analytics, LLC	Not Applicable
Cham, Edrissa	Tradewind Energy, Inc.	Not Applicable
Chen, Jennifer	Natural Resources Defense Council	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
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
Coyle, Billy	Dominion Energy Marketing, Inc.	Generation Owner
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
Currier ES, Jeff	Dominion Virginia Power	Not Applicable
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Dantonio, Phil	PJM Interconnection, LLC	Not Applicable
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Davis, Elizabeth	Talen Energy Marketing, LLC	Generation Owner
Davis, James	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Denby, Brett	Norther Virginia Electric Cooperative (NOVEC)	Electric Distributor
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
Di Iorio, Michelle	PSEG Energy Resources and Trade LLC	Transmission Owner
Diaz, Juan	Customized Energy Solutions, Ltd.*	Not Applicable
Diiorio, Michelle	PSEG Energy Resources and Trade LLC	Other Supplier
Dillon, Matthew	UGI Development Company	Generation Owner
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Dolan, Ryan	American Municipal Power, Inc.	Electric Distributor
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Engelmann, Alan	Commonwealth Edison Company	Transmission Owner

Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Feierabend ES, Rick ES	Dominion Virginia Power	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fink, Sari	Office of the Ohio Consumers' Counsel	End User Customer
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fox, Angela	Wylan Energy, L.L.C.	Not Applicable
Fuess, Christian	Other	Not Applicable
Fusek, Dave	Appalachian Power Company	Transmission Owner
Gahimer, Mike	IN Office of Utility Consumer Counselor	End User Customer
Garbini, Marjorie	Potomac Electric Power Company	Electric Distributor
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Giacomini, 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
Haas, Howard	Monitoring Analytics, LLC	Not Applicable
Hall, Tim	Southern OPCO's: APC, GPC, GuPC, MPC, SPC - J&S	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hayik, Seth	Monitoring Analytics, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End User Customer
Higgins, Sharon	Duke Energy Commercial Asset Management, Inc.	Generation Owner
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
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Horton, Dana	Appalachian Power Company	Transmission Owner
Hugee, Jacquelynn	PJM Interconnection, LLC	Not Applicable
Huntoon, Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner

Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Keeney, Jerry	Dynegy Marketing & Trade, LLC	Generation Owner
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kharod, Ankit	PJM Interconnection, LLC	Not Applicable
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
Knernschild, Jenjira	Old Dominion Electric Cooperative	Electric Distributor
Kogut, George	New York Power Authority	Other Supplier
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Leasure, Jill	Keystone Projects	Not Applicable
Lee, Lori Murphy	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Leopold, Chris	Appalachian Power Company	Transmission Owner
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Other Supplier
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lind, Clarke	Powerex Corporation	Other Supplier
Liu McKenna, Phyllis	Public Service Electric & Gas Company	Transmission Owner
Logan, Sharon	The Federal Energy Regulatory Commission	Not Applicable
Long, Glenn	PJM Interconnection, LLC	Not Applicable
Long, Matt	AEP Energy Partners, Inc.	Other Supplier
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
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
Mancuso, Melanie	FirstEnergy Solutions Corp.	Transmission Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Martin, Valerie	The Federal Energy Regulatory Commission	Not Applicable
Marton, David	FirstEnergy Solutions Corp.	Transmission Owner
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Matheson, Doug	EnerNOC, Inc.	Other Supplier

Maxwell, Melissa	PJM Interconnection, LLC	Not Applicable
McAdams, Julius	Red Wolf Energy Trading, LLC	Other Supplier
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Miller, John	Commonwealth Edison Company	Transmission Owner
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Nawaz, Zainab	NJ Board of Public Utilities	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
OHara, Christopher	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Olinger, Robert	Keystone Projects	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Park, Jinny	PJM Interconnection, LLC	Transmission Owner
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Phillips, Marjorie	Direct Energy Business, LLC	Other Supplier
Pilong, Melissa	PJM Interconnection, LLC	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Prokop, Brenda	ITC Mid-Atlantic Development LLC	Other Supplier
Rajan ES, Abhijit	Dominion Resources	Not Applicable
Ramsey, James	Suffolk Fund LLC	Other Supplier
Rayhorn ES, Carolyn	Dominion Virginia Power	Not Applicable
Reeping, Bob	Ohio Edison Company	Transmission Owner
Robinson, Maria	Advanced Energy Economy, Inc.	Not Applicable
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Rodriguez Reyes, Eric	NextEra Energy Power Marketing, LLC	Generation Owner
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
Saini, Ishwar	Macquarie Energy LLC	Other Supplier
Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable

Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Singh, Mohit	Commonwealth Edison Company	Transmission Owner
Skucas, Ruta	Pierce Atwood	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Sorber, Eric	UGI Utilities, Inc.	Transmission Owner
Souder, Dave	PJM Interconnection, LLC	Not Applicable
Stadelmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Stern, Alexander	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
Sweeney, Rory	RTO Insider	Not Applicable
Tatum, Edward	American Municipal Power	Electric Distributor
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Tigue, John	New York State Electric & Gas Corporation	Other Supplier
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
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
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Wei, Jane	Monitoring Analytics, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Wiegand-Jackson, Laurie	North America Power Partners LLC	Other Supplier
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
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Wilmoth ES, 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

Author: Christina Stotesbury

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