

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
February 8, 2017
9:00 a.m. – 3:30 p.m. EPT

Administration

1. Ms. Christina Stotesbury, PJM, 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 January 11, 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](#)
- 7A. Ms. Jen Tribulski, PJM, provided an update on the FERC transition and discussed how the commission plans to operate in absence of a quorum. On February 3, 2017 the FERC issued an Order which gives FERC staff the authority to continue agency operations, issue rulings and take actions to ensure that rates that haven't been reviewed will not go into effect.

Endorsements/Approvals

4. **NCEMC Problem Statement and Issue Charge Revised**
Mr. Ray Fernandez, PJM, presented an amended problem statement and issue charge that was approved by the Market Implementation Committee in January. **The committee approved the amended problem statement and issue charge by acclamation with 0 objections and 0 abstentions.**

Working Issues

5. **Annual Revenue Requirements for new Black Start Units**
 - A. Mr. Tom Hauske, PJM, continued the discussion on Annual Revenue Requirements for new Black Start units and presented an updated solution option for consideration.
 - B. Dr. Joe Bowring, Monitoring Analytics, presented information on Minimum Take Suction Levels (MTSL) costs and provided an additional solution option for consideration.Mr. Dave Scarpignato, Calpine, motioned to amend the problem statement and issue charge to include a Phase 2 that will address MTSL after the requirements and cost components for new units are identified and endorsed as Phase 1. Mr. Jeff Whitehead, Direct Energy, seconded the motion. The amended documents will be presented and voted at the March MIC meeting.
[Issue tracking: Annual Revenue Requirements for new Black Start Units](#)
6. **Spot-in Transmission Service for Energy Imports from NYISO**
Mr. Chris Pacella, PJM, provided background on the spot-in service issue and reviewed the solution packages previously presented. Mr. Joe Wadsworth, Vitol, communicated to the MIC that a third solution proposal is almost completed and will be presented at the March MIC meeting.
[Issue Tracking: Spot-in Transmission Service for Energy Imports from NYISO](#)

Additional Updates

7. FERC Activity

B. NOPR: Uplift Cost Allocation & Transparency

Ms. Rebecca Stadelmeyer, PJM, provided an update on the FERC Notice of Proposed Rulemaking to reform Uplift Cost Allocation and Price Transparency. The FERC proposal seeks to allocate uplift costs to deviations, and will likely require additional data postings for transparency purposes. Additional information on this NOPR will be provided at the March MIC meeting.

C. Order 831: Offer Caps

Mr. Adam Keech, PJM, provided a brief update on timelines associated with the implementation of Order 831. Due to the filing timing and implementation instructions, PJM will wait for an acceptance of the compliance filing before implementing the effective date.

D. Hourly Offers Order and Fuel Cost Policy Update

Ms. Lisa Morelli, PJM, provided an update on the FERC Order accepting majority of PJM's Hourly Offers proposal (Docket No. ER16-372-002) that permits resources to offer and update their schedules on an hourly basis. PJM will submit a compliance filing by March 6 addressing Tariff changes and the proposed effective date to implement the Hourly Offer changes, which is currently targeted for November 1, 2017. Mr. Jeff Schmitt, PJM, reviewed the associated impact to Fuel Cost Policies, which includes changes to Manual 15 and the Operating Agreement. PJM is still working internally to provide a Fuel Cost Policy review and communication plan to notify Market Sellers of their current status. A Special Session of the MIC to discuss this topic in more detail is scheduled for February 21, 2017 from 9:00 to 11:00 a.m.

E. GDF SUEZ Energy Marketing Settlement

Mr. Stan Williams, PJM, provided a brief update on the FERC decision related to the GDF SUEZ Energy Marketing manipulation claim. PJM will communicate the account allocation once finalized. Questions may be directed to MarketSettlementOps@pjm.com.

8. Nodal Load Aggregates for Settlement

Mr. Ray Fernandez, PJM, provided an update on three Load Serving Entities (LSEs) that elected to have their load priced at a nodal aggregate effective June 1, 2017.

9. Calculation of Incremental Auction Revenue Rights for RTEP Upgrades

Ms. Xu Xu, PJM, provided an update on the calculation of Incremental Auction Revenue Rights for upgrades in the Regional Transmission Expansion Plan 2017/2018 planning year.

10. FTR Forfeiture Update

Mr. Asanga Perera, PJM, provided an update on the FERC Order to calculate and trigger FTR forfeitures. PJM will present Tariff and Manual revisions at the upcoming MIC meetings and file changes with the FERC by April 19, 2017. The Order effective date is January 19, 2017.

11. FTR/ARR Order

Mr. Brian Chmielewski, PJM, provided an update on the recent FERC Order impacting the annual ARR/FTR process, which requires any physical or historical Stage 1 resources to be replaced. Questions may be directed to FTRGroup@pjm.com.

12. Load Management Performance

Mr. Jack O’Neill, PJM, provided an update on the 2016 Load Management Performance Report behalf of Demand Response Operations.

13. PJM Net Energy Injections Quarterly Report

Mr. Ken Schuyler, PJM, provided an update on the 2016 4th quarter Net Energy Injections report.

14. 3rd Incremental Auction

Mr. Jeff Bastian, PJM, in response to a request received at the January MIC, provided an update on details related to the 10,000 MW from the [3rd Incremental Auction Planning Parameters](#).

15. Inter-Regional Coordination

Mr. Tim Horger, PJM, provided an update on Inter-Regional Coordination activity. The next PJM-MISO JCM meeting will be hosted by PJM on February 28, 2017.

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](#).

Interface Definition Update

An updated [NYIS definition](#) is posted for informational purposes. Mr. Tim Horger, PJM, was available during the meeting to answer questions.

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](#).

Future Meeting Dates

March 8, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
April 12, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
May 3, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
June 7, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
July 12, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
August 9, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
September 13, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
October 11, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center
November 8, 2017	9:00 a.m.	PJM Interconnection – Conference & Training Center

Members in Attendance

Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Benчек, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Crystle, Gil	UGI Utilities, Inc.	Transmission Owner
Esposito, Pati	TransCanada Power Marketing Ltd.	Other Supplier
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
O'Connell, Robert	Main Line Electricity Market Consultants	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Stadelmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Suh, Jung	Calpine Energy Solutions, LLC	Other Supplier
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Whitehead, Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier

Also in Attendance

Advena, Christopher	PJM Interconnection, LLC	Not Applicable
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Callaghan, Chris	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Cerchio, Gerard	Monitoring Analytics, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Drauschak, Lisa	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Fuess, Jay	White Pine Energy Consulting	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Horger, Timothy	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable

Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
O'Neill, John	PJM Interconnection, LLC	Not Applicable
Pacella, Chris	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shparber, Steve	PJM Interconnection, LLC	Not Applicable
Smith, Melissa	PJM Interconnection, LLC	Not Applicable
Souder, Rich	PJM Interconnection, LLC	Not Applicable
Strella, Lauren	PJM Interconnection, LLC	Not Applicable
Sweeney, Rory	RTO Insider	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Warner-Freeman, Jennifer	PJM Interconnection, LLC	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Xu, Xu	PJM Interconnection, LLC	Not Applicable

In Attendance via WebEx / Teleconference

Antonelli, Diane	PJM Interconnection, LLC	Not Applicable
Atkins, Blain	Duke Energy Business Services LLC	Transmission Owner
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Borradaile, Mike	PJM Interconnection, LLC	Not Applicable
Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brown, David R.	NextEra Energy Marketing, LLC	Generation Owner
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Budney, Dave	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Cockrell, Justin	DC Energy, LLC	Other Supplier
Cox, Jason	Dynegy Power Marketing, Inc.	Generation Owner
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Currier, Jeffrey	Virginia Electric & Power Company	Transmission Owner
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Dave, Kushal	Denver Energy, LLC	Other Supplier
Davis, Jim	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
Dickson, Douglas	New Jersey Board of Public Utilities	Not Applicable
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Drangula, Carey	XO Energy MA, L.P.	Other Supplier
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Endress, Eric	PJM Interconnection, LLC	Not Applicable
Engle, Andy	XO Energy MA, L.P.	Other Supplier
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Esposito-Hils, Pati	TransCanada Power Marketing Ltd.	Generation Owner

Evergam, Scott	The Federal Energy Regulatory Commission	Not Applicable
Evrard, David	Pennsylvania Office of Consumer Advocate	End User Customer
Fan, Zhenyu	PJM Interconnection, LLC	Not Applicable
Farber, John	DE Public Service Commission	Not Applicable
Farber, John	Delaware Public Service Commission	Not Applicable
Fitzpatrick, Brian	PJM Interconnection, LLC	Not Applicable
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Godson, Gloria	Potomac Electric Power Company	Electric Distributor
Gouda, John	Old Dominion Electric Cooperative	Electric Distributor
Greening, Michele	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gresh, Kevin	PJM Interconnection, LLC	Not Applicable
Griffiths, Dan	Pennsylvania Office of Consumer Advocate	Not Applicable
Guerry, Katie	EnerNOC, Inc	Other Supplier
Guo, Jau-Jia	Appalachian Power Company	Transmission Owner
Gusick, Tim	Eastern Power Generating Company	Not Applicable
Haas, Howard	Monitoring Analytics LLC	Not Applicable
Hagaman, Derek	GT Power Group	Not Applicable
Halay, Alina	The Federal Energy Regulatory Commission	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Harmon, Michael	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hayik, Seth	Monitoring Analytics LLC	Not Applicable
Heise, Randi	Dominion Virginia Power	Not Applicable
Hinson, Dale	Dominion Energy Marketing, Inc.	Generation Owner
Hugee, Jacquelynn	PJM Interconnection, LLC	Not Applicable
Hughes, Adam	XO Energy MA, L.P.	Other Supplier
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyatt, John	Monitoring Analytics, LLC	Not Applicable
Jablonski, James	Borough of Butler, Butler Electric Division	Electric Distributor
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jett, William	Duke Energy Business Services LLC	Generation Owner
JM	Castleton Commodities International LLC	Not Applicable
Kalita, Hemajit	Denver Energy, LLC	Other Supplier
Kilgallen, Kevin	Iberdrola	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Knies, Heather	EDF Trading North America, LLC	Other Supplier
Kormos, Mike	Exelon Generation Co., LLC	Generation Owner
Kraemer, Neil	XO Energy MA, L.P.	Other Supplier
Lacy, Catharine	Virginia Electric & Power Company	Transmission Owner
Langbein, Peter	PJM Interconnection, LLC	Not Applicable
Lange, Nathan	RTO Energy Trading, LLC	Other Supplier
Leasure, Jill	Keystone Projects	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Lenhart, Kirk	Dominion Energy Marketing, Inc.	Generation Owner
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marinelli, Richard	Public Service Electric & Gas Company	Transmission Owner
Max	Uncia Energy LP - Series B	Other Supplier
McAdams, Julius	Red Wolf Energy Trading, LLC	Other Supplier
McLaughlin, Jeffrey	PJM Interconnection, LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mihaly, Imola	Cogentrix Energy Power Management, LLC	Generation Owner

Militello, Nicole	PJM Interconnection, LLC	Not Applicable
Miller, John	Commonwealth Edison Company	Transmission Owner
Mooney, Catherine	Monitoring Analytics, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Olinger, Robert	Keystone Projects	Not Applicable
Ondayko, Brock	Appalachian Power Company	Transmission Owner
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Rajan, Abhijit	Dominion Resources	Not Applicable
Ramsey, James	Suffolk Fund LLC	Other Supplier
Rayhorn, Carolyn	Dominion Virginia Power	Not Applicable
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Romero Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schneider, Jon	FirstEnergy Solutions Corp.	Transmission Owner
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schum, Alice	Illinois Municipal Electric Agency	Electric Distributor
Schuster, Brad	XO Energy MA, L.P.	Other Supplier
Scoglietti, Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sheehan, Shawn	XO Energy MA, L.P.	Other Supplier
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Sundar, Shivram	Denver Energy, LLC	Other Supplier
Tangirala, Subha	US ABB	Not Applicable
Thompson, Matthew	XO Energy MA, L.P.	Other Supplier
Treich, Brianna	Interstate Gas Supply, Inc.	Other Supplier
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Ward, Roxie	BioUrja Power, LLC	Other Supplier
Weiss, Glenn	PJM Interconnection, LLC	Not Applicable
Welcome, Kathrine	PJM Interconnection, LLC	Not Applicable
Wicks, Tonja	Duquesne Light Company	Transmission Owner
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Wilmoth, Emily	Dominion Virginia Power	Not Applicable
Wong, Bryant	EDP Renewables North America, LLC	Generation Owner
Wood, Gordon	ETC Endure Energy L.L.C.	Other Supplier

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