

Market Implementation Committee
PJM Conference & Training Center, Audubon, PA
July 12, 2017
9:00 a.m. – 4:15 p.m. EPT

Administration

1. Ms. Christina Stotesbury, 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 June 7, 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](#).
Mr. Eric Hsia, PJM, provided an update on a Black Start billing adjustment in the AEP zone.
Ms. Jen Tribulski, PJM, provided an update on the Minimum Offer Price Rule (MOPR) appeal.

Endorsements/Approvals

4. **Manual Revisions for Capacity Performance & Performance Assessment Hours**
Ms. Rebecca Stadelmeyer, PJM, reviewed revisions to Manual 11: Energy & Ancillary Services, and Manual 18: PJM Capacity Market, for changes associated with Capacity Performance Shortfall and Bonus MW calculations. **The committee endorsed the manual revisions by acclamation with 0 objections and 0 abstentions.**
5. **Manual Revisions for Intraday Offers**
 - A. Ms. Lisa Morelli, PJM, reviewed proposed conforming revisions to Manual 11: Energy & Ancillary Services, associated with the implementation of Intraday Offers.
 - B. Monitoring Analytics presented additional proposed manual revisions as well as concerns related to the implementation of Intraday Offers in Manual 11.
After discussion about the manual edits and the concerns offered by the Market Monitor, the vote to endorse Manual 11 revisions for Intraday Offers was postponed. PJM and the Market Monitor will work together to align the revisions, where possible, and present an updated proposed revisions to Manual 11 for endorsement at the August MIC.
6. **Governing Document Revisions to the Limitation on Claims**
Mr. Steven Shparber, PJM, reviewed Tariff and Operating Agreement revisions related to the Limitation on Claims. **The committee endorsed the governing document revisions by acclamation with 0 objections and 2 abstentions.**

Working Issues

7. Annual Revenue Requirements for new Black Start Units – Phase 2

Mr. Tom Hauske, PJM, presented two solution packages on the Minimum Tank Suction Levels (MTSL) as part of Phase 2 for the Annual Revenue Requirements for new Black Start units. Stakeholders were given an opportunity to offer additional solutions. Discussion around the solutions proposed led to the removal of Package C, leaving only the Market Monitor's package on the table. The Committee agreed to consider this a first read of the single proposal and will seek endorsement for the Phase 2 - Minimum Tank Suction Levels proposal at the August MIC meeting.

8. Energy Efficiency Participation in Capacity Markets

Mr. Pete Langbein, PJM, reviewed the Energy Efficiency (EE) problem statement and issue charge that was approved at the June 7 MIC, and proposed working this issue at the Demand Response Subcommittee (DRS) with no objections. Ms. Terri Esterly, PJM, presented education on current EE eligibility and participation requirements. Follow-up education and continued discussion on this topic will take place at the DRS, starting with the July 17 meeting; and regular updates will be provided to the MIC.

First Readings

9. Governing Document Revisions for PJM-MISO CTS

- A. Mr. Michael Olaleye, PJM, presented a first read of conforming revisions to Manual 11: Energy & Ancillary Services, associated with Coordinated Transaction Scheduling. The committee will be asked to endorse the manual revisions at the August MIC meeting.
- B. Mr. Bhushan Dhuri, PJM, presented a first read of revisions to the Regional Transmission and Energy Scheduling Practices document. The committee will be asked to endorse the revisions at the August MIC meeting.

10. Transmission Penalty Factors – Problem Statement and Issue Charge

Dr. Joe Bowring, Monitoring Analytics, presented a first read of a problem statement and issue charge associated with Transmission Penalty Factors. The committee will be asked to approve the new issue at the August MIC meeting.

11. Market Path/Interface Pricing Point Alignment – Problem Statement and Issue Charge

- A. Dr. Joe Bowring, Monitoring Analytics, presented a first read of a problem statement and issue charge associated with Market Path/Interface Pricing Point Alignment. The committee will be asked to approve the issue at the August MIC meeting.
- B. Mr. John Dadourian, Monitoring Analytics, provided education on interface scheduling and the Pricing Point Alignment issue and reviewed a proposed solution.

Additional Updates

12. Markets Gateway Enhancements

Ms. Cheryl Mae Velasco, PJM, provided an update on Markets Gateway enhancements that have been communicated at the Tech Change Forum.

13. Fuel Cost Policy Annual Review Process Update

- A. Mr. Jeff Schmitt, PJM, provided an update on the Annual Review of Fuel Cost Policies.
- B. Ms. Melissa Pilog, PJM, reviewed the Variable Operations and Maintenance (VOM) template and Mr. Scott Benner, PJM, reviewed the Emissions template as part of the Fuel Cost Policy Annual Review requirement. The deadline to submit VOM and Emissions calculations is August 1, 2017.

14. Order 825: Shortage Pricing

Ms. Lisa Morelli, PJM, provided an update on Order 825: Shortage Pricing and PJM's implementation. PJM will continue to update the MIC as PJM investigates shortening the RT SCED look-ahead period from 15 minutes to 10 minutes.

15. Order 831: Offer Caps

Ms. Alpa Jani, PJM, provided an update on implementation details for Order 831: Offer Caps. More information will be provided at future education sessions scheduled for August 7 and September 15.

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

Mr. Tim Horger, PJM, was available to answer questions on Interregional Coordination efforts. 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

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
December 13, 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
Benckek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Borgatti, Mike	Gabel and Associates	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
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
Lowe, Connie	Dominion Virginia Power	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Pakela, Gregg	DTE Energy Trading	Other Supplier
Peoples, John	Duquesne Light Company	Transmission Owner
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Suh, Jung	Noble Americas Energy Solutions LLC	Other Supplier
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Whitehead, Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier
Wilkie, Brian	Rockland Electric Company	Transmission Owner
Wilson, Bram	Diamond State Generation Partners, LLC	Generation Owner
Yu, Joel	Rockland Electric Company	Transmission Owner

Also in Attendance

Benner, Scott	PJM Interconnection, LLC	Not Applicable
Buck, Rachel	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Dhuri, Bhushan	PJM Interconnection, LLC	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Esterly, Theresa	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Fuess, Jay	White Pine Energy Consulting	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Hyzinski, Tom	GT Power Group	Not Applicable
Jani, Alpa	PJM Interconnection, LLC	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable

Keech, Adam	PJM Interconnection, LLC	Not Applicable
Langbein, Peter	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
McLaughlin, Jeffrey	PJM Interconnection, LLC	Not Applicable
Mooney, Catherine	Monitoring Analytics, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Pacella, Chris	PJM Interconnection, LLC	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Rohrbach, John	Gable and Associates	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Shparber, Steve	PJM Interconnection, LLC	Not Applicable
Smith, Melissa	PJM Interconnection, LLC	Not Applicable
Sweeney, Rory	RTO Insider	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Yeaton, Andrea	PJM Interconnection, LLC	Not Applicable

In Attendance via WebEx / Teleconference

Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Aung, Thinzar	PJM Interconnection, LLC	Not Applicable
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canchi, Devendra	Monitoring Analytics, LLC	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Celestine, Kizi	Appalachian Power Company	Transmission Owner
Chen, Jennifer	Natural Resources Defense Council	Not Applicable
Coyle, Billy	Dominion Virginia Power	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Utilities, Inc.	Transmission Owner
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
DeLosa, Joseph	DE Public Service Commission	Not Applicable
DePillo, Ray	Public Service Electric & Gas Company	Transmission Owner
Dillon, Matt	UGI Utilities, Inc.	Transmission Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Drom, Rick	Eckert Seamans	Not Applicable
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Elliott, Randolph	Electric Co-op Today	Not Applicable
Falin, Tom	PJM Interconnection, LLC	Not Applicable
Farber, John	DE Public Service Commission	Not Applicable
Feierabend, Rick	Dominion Virginia Power	Not Applicable
Fox, Angela	Wylan Energy, L.L.C.	Not Applicable
Foxen, Tim	Osaka Gas USA Corporation	Not Applicable

Gahimer, Mike	Indiana 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
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Halay, Alina	Federal Energy Regulatory Commission (The)	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Harmon, Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hastings, David	D Hast Co	Not Applicable
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holland, Cynthia	New Jersey Board of Public Utilities	Not Applicable
Hudson, Wes	Dominion Virginia Power	Not Applicable
Hyatt, John	Monitoring Analytics, LLC	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Johnson, Carl	Customized Energy Solutions Ltd*	Not Applicable
Jones, Ryan	Allegheny Electric Cooperative, Inc.	Electric Distributor
Kaczanowski, Marek	Baltimore Gas and Electric Company	Transmission Owner
Karnik, Rashmi	Other	Not Applicable
Karrasch, Kim	Interstate Gas Supply, Inc.	Other Supplier
Kilgallen, Kevin	Avangrid Renewables LLC	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
Leasure, Jill	GenOn Energy Management, LLC	Generation Owner
Lejcar, Jamie	Jamie_Lejcar@ccsenergy.com	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.	Transmission Owner
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Logan, Sharon	The Federal Energy Regulatory Commission	Not Applicable
Lui-McKenna, Phyllis	PSEG	Other Supplier
Mancuso, Melanie	FirstEnergy Solutions Corp.	Transmission Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Markiewicz, Cynthia	FirstEnergy Solutions Corp.	Transmission Owner
Martin, Valerie	Federal Energy Regulatory Commission (The)	Not Applicable
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
McComb, John	PJM Interconnection, LLC	Not Applicable
Mehta, Chirag	LM Power, LLC	Other Supplier
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Nadel, Steven	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Nyemko, Masha	PJM Interconnection, LLC	Not Applicable
Olinger, Robert	Keystone Projects	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	Not Applicable
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Patel, Keyuarbhai	PJM Interconnection, LLC	Not Applicable
Patten, Kevin	Appalachain Power Company	Transmission Owner
Philips, Marjorie	Direct Energy Business Marketing, LLC	Other Supplier
Pilong, Chris	PJM Interconnection, LLC	Not Applicable
Powers, Sean	Linde Energy Services, Inc.	End-use Customer
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Robins, Pip	EMC Development Company, Inc.	Other Supplier



Approved Minutes

Rothey, Kristin	American Municipal Power, Inc.	Electric Distributor
Ruck, Andrew	PSEG Energy Resources and Trade, LLC	Other Supplier
Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Schmatz, Peter	PSEG Energy Resources and Trade, LLC	Other Supplier
Schneider, Jon	FirstEnergy Solutions Corp.	Transmission Owner
Scoglietti, Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Seelaus, Andy	EMC Development Company, Inc.	Other Supplier
Seelaus, Tim	EMC Development Company, Inc.	Other Supplier
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Skucas, Ruta	Pierce Atwood	Not Applicable
Smaczniak, Kim	Earth Justice	Not Applicable
Sock, Bryan	Public Service Electric & Gas Company	Transmission Owner
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Souder, Rich	PJM Interconnection, LLC	Not Applicable
Swigonski, Frank	Advanced Energy Economy Inc.	Not Applicable
Tangirala, Subha	ABB	Not Applicable
Thew, Carla	PJM Interconnection, LLC	Not Applicable
Thomson, Heather	Mid-Atlantic Renewable Energy	Not Applicable
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Vayda, Brian	Borough of Park Ridge, NJ	Electric Distributor
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warner-Freeman, Jennifer	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Watson, Mark	S & P Global	Not Applicable
Webster, John	Icetec.com, Inc.	Other Supplier
Weiss, Glenn	PJM Interconnection, LLC	Not Applicable
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Wilmoth, Emily	Dominion Virginia Power	Not Applicable
Wood, Gordon	ETC Endure Energy L.L.C.	Other Supplier

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