



DRAFT MINUTES
PJM MARKET IMPLEMENTATION COMMITTEE
PJM CONFERENCE & TRAINING CENTER
AUDUBON, PA
SEPTEMBER 3, 2014

Members In Attendance:

Ford, Adrien (Chair)	PJM Interconnection, LLC	Not Applicable
Canter, David	AEP	Transmission Owner
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Verderame, John	CP&L dba Progress Energy Carolinas, Inc.	Other Supplier
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Scarpignato, David	Direct Energy Business, LLC	Other Supplier
Price, Ruth	Division of the Public Advocate, State of Delaware	End User Customer
Jennings, Kenneth	Duke Energy Business Services LLC	Generation Owner
Swez, John	Duke Energy Kentucky, Inc.	Transmission Owner
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Miyaji, Wendell	Enerwise Global Technologies, Inc.	Other Supplier
Riding, M.W.	Essential Power OPP, LLC	Transmission Owner
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Stadlmeier, Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Benchek, Jim	FirstEnergy Solutions Corporation	Transmission Owner
Borgatti, Michael	Gable and Associates	Not Applicable
Hagaman, Derek	GT Power Group	Transmission Owner
Pratzon, David	GT Power Group	Not Applicable
Phillips, Marjorie	Hess Corporation	Other Supplier
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
O'Connell, Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Brodbeck, John	Potomac Electric Power Company	Electric Distributor
Greening, Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Maher, Mollie	PPL EnergyPlus, L.L.C.	Transmission Owner
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Walter, Laura (Secretary)	PJM Interconnection, LLC	Not Applicable

Also in Attendance:

Griffiths, Dan	Consumer Advocates of PJM States	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable



Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Hugee, Jacqui	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Million, Mark	PJM Interconnection, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Yeaton, Andrea	PJM Interconnection, LLC	Not Applicable
Heidorn, Rich	RTO Insider	Not Applicable

In Attendance via WebEx / Teleconference:

Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Liang-Nicol, Cecilia	Allegheny Power (MonPwr Gen)	None
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Patten, Kevin	Appalachain Power Company	Transmission Owner
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Bassett, Jeffrey	BP Energy Company	Other Supplier
Kelly, Steve	Brookfield Energy Marketing LP	Other Supplier
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Rivera, Diana	Clean Line Energy	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Berlinski, Mike	Customized Energy Solutions, Inc.	None
Dessender, Harry	Customized Energy Solutions, Ltd.*	Not Applicable
Dugan, Bill	Customized Energy Solutions, Ltd.*	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Scott, Charles	DC Energy LLC	Other Supplier
Farber, John	DE Public Service Commission	Not Applicable
Erbrick, Michael	DhastCo,LLC	Not Applicable
Hastings, David	DhastCo,LLC	Not Applicable
Maucher, Andrea	Division of the Public Advocate, State of Delaware	End User Customer
Rajan (ES), Abhijit	Dominion Resources	Not Applicable
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Peoples, John	Duquesne Light Company	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Knies, Heather	EDF Trading North America, LLC	Other Supplier
Lonergan, Brian	Elliott Bay Energy Trading, LLC	Other Supplier
Steele, Alison	Encentiv Energy	Not Applicable
Campbell, Bruce	Energy Connect, Inc	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Bolan, Martin	FirstEnergy Solutions Corporation	Transmission Owner



Dean, Evan	FirstEnergy Solutions Corporation	Transmission Owner
Plante, Matthieu	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Leonard, Ryan	IBERDROLA RENEWABLES, LLC	Generation Owner
Ma, Alex	Invenergy	Generation Owner
Levine, Jeffrey	IPR-GDF SUEZ Energy Marketing NA, Inc.	Other Supplier
Powers, Sean	Linde Energy Services, Inc.	End User Customer
McNally, Stephen	Long Island Lighting Company d/b/a LIPA	Other Supplier
Saini, Ishwar	Macquarie Energy LLC	Other Supplier
De Geeter, Ralph	Maryland Public Service Commission	Not Applicable
Jansen, Sunny	MidAmerican Energy Company	Other Supplier
Chen, Xu	Monitoring Analytics, LLC	Not Applicable
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Mahoney, Julieanne	New York State Electric & Gas Corporation	Other Supplier
Suh, Jung	Noble Americas Gas & Power Corp.	Other Supplier
Maye, Shelly-Ann	North America Power Partners LLC	Other Supplier
Fitch, Neal A.	NRG Power Marketing LLC	Generation Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Gell, Richard	Ontario Power Generation Inc.	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Chesser, Kathrina	Other	None
Matheson, Eric	Pennsylvania Public Utility Commission	Not Applicable
Loudenburg, Zack	Pennsylvania Renewable Resources, Associates	Generation Owner
Foster, Dana	Pgi	
Skucas, Ruta	Pierce Atwood	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Martini, Danielle	PJM Interconnection, LLC	Not Applicable
O'Neill, Jack	PJM Interconnection, LLC	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Slusser, Jeff	PJM Interconnection, LLC	Not Applicable
Velasco, Cheryl	PJM Interconnection, LLC	Not Applicable
Ward, Mike	PJM Interconnection, LLC	Not Applicable
Williams, Don	PJM Interconnection, LLC	Not Applicable
Xu, Xu	PJM Interconnection, LLC	Not Applicable
DeNavas, Joseph	Potomac Electric Power Company	Electric Distributor
Garbini, Marj	Potomac Electric Power Company	Electric Distributor
Razze, Scott	Potomac Electric Power Company	Electric Distributor
Hyzinski, Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
Chiavaroli, Tom	PSEG Energy Resources and Trade LLC	Transmission Owner
Citrolo, John	PSEG Energy Resources and Trade LLC	Transmission Owner
Kimmish, Steven	PSEG Energy Resources and Trade LLC	Transmission Owner
Sock, Bryan	PSEG Energy Resources and Trade LLC	Transmission Owner
Czigler, Frank	Public Service Electric & Gas Company	Transmission Owner
Heizer, Fred	Public Utilities Commission of Ohio	Not Applicable
Etnoyer, Scott	Raven Power Marketing LLC	Generation Owner
Quinlan, Pamela	Rockland Electric Company	Transmission Owner



Lange, Nathan	RTO Energy Trading, LLC	Not Applicable
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Scoglietti, Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Rolashevich, Pete	The Federal Energy Regulatory Commission	Not Applicable
Everngam, Scott	The Federal Energy Regulatory Commission	Not Applicable
Halay, Alina	The Federal Energy Regulatory Commission	Not Applicable
Villatoro, Karen	The Federal Energy Regulatory Commission	Not Applicable
Wisersky, Megan	The Federal Energy Regulatory Commission	Not Applicable
Nivolianitis, Ted	TransAlta Energy Marketing (US) Inc. (Hudson)	Other Supplier
Staska, Stephanie	Twin Cities Power, LLC	Other Supplier
Moerner, Lisa	Virginia Electric & Power Company	Transmission Owner
Birnel, William	Westar Energy, Inc.	Other Supplier
Kraemer, Neil	XO Energy MA, LP	Other Supplier
Thompson, Matthew	XO Energy MA, LP	Other Supplier

1. ADMINISTRATION

The Committee approved the current Agenda and the Minutes of August 6, 2014 MIC meeting. Ms. Laura Walter, PJM, reviewed the Market Implementation Committee related issues using the enhanced issue tracking features on pjm.com.

2. WINTER 2015 INCREMENT OFFERS AND DECREMENT BIDS CREDIT REQUIREMENT

Ms. Stephanie Staska, Twin Cities Power, presented a problem statement about increment offers and decrement bid credit requirements for winter 2015. The current credit requirements for increment offers and decrement bids are were established in 2003 using a nodal reference price. This nodal reference price is calculated based on January and February 2014 which was higher than were in place in 2014. **The problem statement was endorsed with 2 objections 39 abstentions.** The issue charge was modified by friendly amendment to assign the issue to the Credit Subcommittee. The committee discussed how any change would need to be completed and filed with FERC by November 1 to be implemented by January 1, 2015. **The Issue Charge was endorsed with 1 objection and 42 abstentions.**

3. CORRECTION TO ADJUSTED REGULATION PERFORMANCE COST EQUATION

Mr. Michael Olaleye, PJM, provided clarification around language in Manual 11 and Manual 15 relating to the Regulation Performance Cost Equation. A friendly amendment to delete the word "mileage" from Manual 15 language, the new sentence reads as: "The \$/MW value determined in the performance offer will be converted to cost for \$/ΔMW by dividing the value by the mileage ΔMW/MW for the applicable signal for that offer as described in M11." **The updated manual language was endorsed with 0 objections and 1 abstention.**

4. TIER 1 CAPABILITY

Mr. Michael Olaleye, PJM, will provide an update on the applicability for Tier 1 Capability compensation. A friendly amendment to add that hydro units "that have notified PJM that they cannot provide Tier 1 synch reserve" will be excluded from the units that are calculated to provide Tier 1 reserve. This item was deferred to address Market Monitor concerns about synchronized reserve payments.

5. CREDIT SUBCOMMITTEE UPDATE



Mr. Hal Loomis, PJM, presented update on several Credit Subcommittee items. Item 5C is a friendly amendment to a previously endorsed change. **The committee endorsed these changes with 1 objection and 8 abstentions.**

6. ANNUAL DEMAND RESPONSE MAINTENANCE OUTAGE REPORTING PROCESS

Ms. Andrea Yeaton, PJM, presented new language explaining the Annual Demand Response maintenance outage reporting process. **The committee endorsed this change with 0 objections and 18 abstentions.**

7. ENERGY AND RESERVE PRICING AND INTERCHANGE VOLATILITY

Ms. Lisa Morelli, PJM, gave an update on the ERPIV working sessions. The committee will be asked to endorse the proposed solutions at the October MIC.

8. RESIDENTIAL DEMAND RESPONSE: PARTICIPATION IN THE PJM SYNCHRONIZED RESERVE MARKET & MEASUREMENT AND VERIFICATION FOR ENERGY AND LOAD MANAGEMENT

Ms. Shira Horowitz, PJM, presented a first read of two Demand Response Subcommittee Items. The committee will be asked to endorse the proposed revisions at the October MIC.

9. INTERREGIONAL COORDINATION UPDATE

Mr. Stan Williams, PJM, presented an update on interregional coordination efforts.

10. PRICING INTERFACES

Mr. Joe Ciabattoni, PJM, gave an update on pricing interfaces.

11. SETTLEMENT ADJUSTMENT ITEMS

Mr. Asanga Perera, PJM, presented an update on MISO-PJM market-to-market settlement adjustments.

INFORMATIONAL SECTION

12. REPORT ON MARKET OPERATIONS

The *Report on Market Operations* will be posted to the [MIC web site](#).

13. MIC WORKING SESSION UPDATES

Up-To Congestion Transactions

A MIC working session was held on June 10, 2014. This issue will be put on temporary hiatus until later this fall to allow greater concentration on the remaining issues in the stakeholder process which have more pressing completion date requirements. When available, materials will be posted to the [MIC web site](#).

[Issue Tracking: Up To Congestion Transactions – Financial and Node Limitation](#)

FTR Forfeiture

A MIC working session was held on February 13, 2014, 2014.

When the next meeting is scheduled, materials will be posted to the [MIC web site](#).

[Issue Tracking: FTR Forfeiture](#)

Energy Scheduling Issue

The Energy Scheduling (MIC) meetings have been put on hold until late 2014 to allow work on related issues through the PJM/MISO Joint and Common Market Initiative. PJM will announce new meeting dates in late 2014 as appropriate. Meeting materials will be posted to the [MIC web site](#).



[Issue Tracking: Energy Scheduling Issue](#)

Energy/Reserve Pricing & Interchange Volatility

A MIC working session was held on August 20, 2014.

[20140820 Energy/Reserve Pricing and Interchange Volatility Agenda](#)

When the next meeting is scheduled, materials will be posted to the [MIC web site](#).

[Issue Tracking: Energy/Reserve Pricing & Interchange Volatility](#)

14. SUBCOMMITTEE AND TASK FORCE UPDATES

Market Settlements Subcommittee (MSS)

The MSS met on August 20, 2014. Meeting materials are available at:

[20140722 MSS Draft Minutes](#)

The next meeting is scheduled for September 22, 2014. Meeting materials will be posted to the [MSS web site](#).

Credit Subcommittee (CS)

The CS met on August 26, 2014. Meeting materials are available at:

[20140826 CS Agenda](#)

The next meeting is scheduled for September 29, 2014. Meeting materials will be posted to the [CS website](#).

Demand Response Subcommittee (DRS)

The DRS met on August 27, 2014. Meeting materials are available at:

[20140827 DRS Draft Agenda](#)

The next meeting is scheduled for September 23, 2014. Meeting materials will be posted to the [DRS web site](#).

Intermittent Resources Task Force (IRTF)

The IRTF met on July 21, 2014. Meeting materials are available at:

[20140721 IRTF Agenda](#)

The next meeting is scheduled for September 21, 2014. Meeting materials will be posted to the [IRTF web site](#).

15. FUTURE MEETING DATES

October 8, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
November 5, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
December 3, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
January 14, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
February 11, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
March 11, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
April 8, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
May 6, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
June 10, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
July 8, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
August 12, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
September 9, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
October 7, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
November 4, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA
December 2, 2015	9:30 AM	PJM Interconnection - Valley Forge, PA