



DRAFT MINUTES
PJM MARKET IMPLEMENTATION COMMITTEE
PJM CONFERENCE & TRAINING CENTER
AUDUBON, PA
MAY 7, 2014
9:30 AM

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
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Dugan, Bill	Customized Energy Solutions, Ltd.*	Not Applicable
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
Jennings, Kenneth	Duke Energy Business Services LLC	Generation Owner
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Stadelmeyer, Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Benchek, Jim	FirstEnergy Solutions Corporation	Transmission Owner
Stuchell, Jeff	FirstEnergy Solutions Corporation	Transmission Owner
Philips, Marjorie	Hess Corporation	Other Supplier
Webster, John	Icetec.com, Inc.	Other Supplier
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
O'Connell, Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Hastings, David	Market Interconnection LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Suh, Jung	Noble Americas Energy Solutions LLC	Other Supplier
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Hoeplinger, John	NRG Power Marketing LLC (NJ)	None
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Carmean, Gregory	OPSI	Not Applicable
Brodbeck, John	Potomac Electric Power Company	Electric Distributor
Greening, Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Walter, Laura (Secretary)	PJM Interconnection, LLC	Not Applicable

Also in Attendance:

Borgatti, Michael	Gable and Associates	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable



Anders, David	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
D'Antonio, Phil	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Horning, Lynn	PJM Interconnection, LLC	Not Applicable
Horowitz, Shira	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Langbein, Peter	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Shparber, Steven	PJM Interconnection, LLC	Not Applicable
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Zadlo, Thomas	PJM Interconnection, LLC	Not Applicable
Heidorn, Rich	RTO Insider	Not Applicable
Jwanier, David	RTO Insider	Not Applicable

Via WebEx or Teleconference:

Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Hubbard, Lance	Allegheny Electric Cooperative, Inc.	Electric Distributor
Terry, Jonathan	Allegheny Electric Cooperative, Inc.	Electric Distributor
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Williams, Michael	Black Oak Energy, LLC	Other Supplier
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Bassett, Jeffrey	BP Energy Company	Other Supplier
Kopon, Owen	Brickfield, Burchett, Ritts, and Stone, PC	Not Applicable
Miller, John	Commonwealth Edison Company	Transmission Owner
Dean, Ronald	Commonwealth Edison Company (ILR)	None
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Urgin, Greg	Constellation NewEnergy, Inc.	Other Supplier
Griffiths, Dan	Consumer Advocates of PJM States	Not Applicable
Dessenger, Harry	Customized Energy Solutions, Ltd.*	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Farber, John	DE Public Service Commission	Not Applicable
Maucher, Andrea	Division of the Public Advocate of the State of Delaware	End User Customer
Rajan, Abhijit	Dominion Resources	Not Applicable
Coyle, Billy	Dominion Virginia Power	Not Applicable
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier



Jett, William	Duke Energy Business Services LLC	Generation Owner
Peoples, John	Duquesne Light Company	Transmission Owner
Comeskey, Ben	e360 Power LLC	174.47.148.254
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Labij, Christina	EcoGrove Wind, LLC	Generation Owner
Fuess, Jay	Energy Consulting Services LLC	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Poulos, Greg	EnerNOC, Inc.	Other Supplier
Riding, M.O.	Essential Power OPP, LLC	Transmission Owner
Wood, Gordon	ETC Endure Energy L.L.C.	Other Supplier
Logan, Sharon	Federal Energy Regulatory Commission (The)	Not Applicable
Monroe, Alicia	Federal Energy Regulatory Commission (The)	Not Applicable
Rolashevich, Pete	Federal Energy Regulatory Commission (The)	Not Applicable
Sillin, John	Federal Energy Regulatory Commission (The)	Not Applicable
Villatoro, Karen	Federal Energy Regulatory Commission (The)	Not Applicable
Wellborn, Sam	Federal Energy Regulatory Commission (The)	Not Applicable
Bolan, Martin	FirstEnergy Solutions Corporation	Transmission Owner
Durand, Janine	Gibson, Dunn, and Crutcher	Not Applicable
Liang-Nicol, Cecilia	GT Power Group	Not Applicable
Plante, Matthieu	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Patrylo, R.	H-P Energy Resources LLC	Other Supplier
Leonard, Ryan	Iberdola Renewables, LLC	Generation Owner
Sidhom, Noha	Inertia Power I, LLC	Other Supplier
Frelich, Jessica	Integrays Energy Services, Inc.	Other Supplier
Tsikirayi, Edward	Long Island Lighting Company d/b/a LIPA	Other Supplier
Wisersky, Megan	Madison Gas & Electric Co.	Other Supplier
Hastings, David	Market Interconnection, LLC	Not Applicable
De Geeter, Ralph	Maryland Public Service Commission	Not Applicable
Belley, Guillaume	Merrill Lynch Commodities, Inc.	Other Supplier
Chen, Xu	Monitoring Analytics, LLC	Not Applicable
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Frost, Jodi	Moxie Liberty LLC	Other Supplier
Mahoney, Julieanne	New York State Electric & Gas Corporation	Other Supplier
Applebaum, David	NextEra Energy Power Marketing, LLC	Generation Owner
Orlando, Jim	NiSource Inc.	Not Applicable
Fazio, Danielle	Noble Americas Gas & Power Corp.	Other Supplier
Millien, Sachiel	Noble Americas Gas & Power Corp.	Other Supplier
Brooks-Stocking, Brendyn	Noble Group (The)	97.107.174.50
Hamilton, Brian	North American Electric Reliability Corporation	Not Applicable
Owens, Christina	North Carolina Electric Membership Corporation	Electric Distributor
Bonanni, John	NRG Power Marketing LLC	Generation Owner
Gell, Richard	Ontario Power Generation Inc.	Other Supplier
Carbonneau, Andrew	Open Access Technology International, Inc.	Not Applicable
Carmean, Gregory	Organization of PJM States	Not Applicable
Vylasek, John	OVEC	Not Applicable
Evrard, David	Pennsylvania Office of Consumer Advocate	End User Customer
Chiavaroli, Tom	PGI.com	Not Applicable
Skucas, Ruta	Pierce Atwood	Not Applicable



Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Brownell, Stan	PJM Interconnection, LLC	Not Applicable
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Kelley, Michael	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
McNamara, Sean	PJM Interconnection, LLC	Not Applicable
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Slusser, Jeff	PJM Interconnection, LLC	Not Applicable
Souder, Rich	PJM Interconnection, LLC	Not Applicable
Ward, Mike	PJM Interconnection, LLC	Not Applicable
Weiss, Glenn	PJM Interconnection, LLC	Not Applicable
Watson, Mark	Platts	Not Applicable
Garbini, Marj	Potomac Electric Power Company	Electric Distributor
Godson, Gloria	Potomac Electric Power Company	Electric Distributor
Razze, Scott	Potomac Electric Power Company	Electric Distributor
Chesser, Kathrina	Power Costs, Inc.	Not Applicable
Hyzinski, Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
Citrolo, John	PSEG Energy Resources and Trade, LLC	Transmission Owner
Heizer, Fred	Public Utilities Commission of Ohio	Not Applicable
Jostworth, Kimberly	RBC Energy Services LP	Other Supplier
Jasani, Sachin	Red Wolf Energy Trading, LLC	Other Supplier
Fernandes, John	RES Americas	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Sudhakara, Raghu	Rockland Electric Company	Transmission Owner
Binder, Gerry	SESCO Enterprises LLC	Other Supplier
Peebles, Andy	Shell Energy North America (US), LP	Other Supplier
Scotlietti, Barbara	Tangent Energy Solutions, Inc	Other Supplier
Galicia, Louis	Ventyx	Not Applicable
Batta, Michael	Virginia Electric & Power Company	Transmission Owner
Moerner, Lisa	Virginia Electric & Power Company	Transmission Owner
Slade, Louis	Virginia Electric & Power Company	Transmission Owner
Wilmoth, Emily	Virginia Electric & Power Company	Transmission Owner
Birnel, William	Westar Energy, Inc.	Other Supplier
Wilson, James	Wilson Energy Economics	Not Applicable

1. ADMINISTRATION

The Committee approved the Agenda and the minutes of the April 9, 2014 MIC meeting. Ms. Laura Walter, PJM reviewed the MIC work plan. An additional item was added to the end of the Agenda to address questions on the problem statement and issue charge related to Submission of Auction Specific Transactions which is being considered at the Markets and Reliability Committee.



2. EMERGENCY ENERGY SETTLEMENT MEASUREMENT AND VERIFICATION PROBLEM STATEMENT

Mr. Pete Langbein, PJM, presented a problem statement that resulted from lessons learned from winter emergency energy settlement process. Committee members suggested friendly amendments and some were incorporated. The updated problem statement is posted and linked below. **The committee endorsed a revised problem statement by acclamation with 0 objections and 0 abstentions.** The committee will be asked to endorse the issue charge at the June meeting.

[Item 2B - Emergency Energy Settlement Measurement and Verification Problem statement- revised](#)

3. DEMAND RESPONSE EXISTING MW PROPOSED MANUAL CHANGE

Mr. Pete Langbein, PJM, presented proposed Manual 18 changes from the Demand Response Subcommittee that will allow a curtailment service provider to add additional MWs as “existing” for offer into RPM auction through an exception process if the nominated amount on the registration is low because the peak load contribution is low due to a load data anomaly. **The committee endorsed the manual language by acclamation with 0 objections and 0 abstentions.**

4. MEASUREMENT AND VERIFICATION FOR RESIDENTIAL DEMAND RESPONSE IN ENERGY AND CAPACITY MARKETS PROBLEM STATEMENT

Ms. Shira Horowitz, PJM, presented an issue charge related to reviewing residential demand response measurement and verification. **The committee endorsed the issue charge by acclamation with 0 objections and 0 abstentions.**

5. REVISIONS TO DEFINITION OF ZONAL BASE LOAD (OA 1.3.39)

Mr. Brian Chmielewski, PJM, presented revisions to the definition of zonal base load. **The committee endorsed the revisions by acclamation with 0 objections and 0 abstentions.**

6. REVISIONS TO MANUAL 28: OPERATING AGREEMENT ACCOUNTING

Ms. Suzanne Coyne, PJM, presented additional details and cleanup items for Manual 28. A friendly amendment was proposed and accepted that reverted a bullet on page 17 back to the original language. The updated manual language is posted and linked below. **The committee endorsed the revised Manual revisions by acclamation with 0 objections and 12 abstentions.**

[Item 6B - Manual 28 Redline- revised](#)

7. INTERMITTENT RESOURCES TASK FORCE CHARTER UPDATE

Mr. Ken Schuyler, PJM, presented an updated charter for the IRTF. The committee suggested one friendly amendment and it was accepted and the revised charter is posted and linked below. **The committee endorsed the revisions to the revised charter by acclamation with 0 objection and 0 abstentions.**

[Item 7A – Intermittent Resources Task Force draft Charter- revised](#)



8. ENERGY / RESERVE PRICING & INTERCHANGE VOLATILITY

Ms. Lisa Morelli, PJM, presented the PJM solution package developed by the Energy / Reserve Pricing & Interchange Volatility special sessions of the MIC. The committee endorsed the proposal with **118** votes in favor, **48** votes against and **37** abstentions (71% in favor). The proposal will be forwarded to the Market and Reliability Committee.

9. FREQUENTLY MITIGATED UNITS (FMU)

Ms. Adrien Ford, PJM, presented the packages from the special meetings on Frequently Mitigated Units. The committee voted on each package with the following results: Package A: **71** in favor, **93** opposed, **14** abstentions (43% in favor); Package F Prime: **90** in favor, **60** opposed and **21** abstentions (60% in favor). Package G: **88** in favor, **48** opposed and **31** abstentions (65% in favor); Package H: **72** in favor, **44** opposed and **50** abstentions (62% in favor). Package G will be forwarded to the MRC as the main motion.

10. LOAD REALLOCATION

Ms. Michelle Souder, PJM, presented conforming Manual updates to incorporate communications surrounding load reallocation due to member default. The committee endorsed the Manual language by acclamation with **0** objections and **0** abstentions.

11. QUALIFIED TRANSMISSION UPGRADE CREDIT ISSUE

The committee continued the Consensus Based Issue Resolution (CBIR) process by identifying solution components. Several stakeholders suggested the addition of a Design Component related to Eligible Replacement Capacity. Upon consideration, the Chair determined that this was not within the scope of the Problem Statement and Issue Charge approved by the Markets and Reliability Committee (MRC), and suggested that the MRC be consulted as to whether this should be added to the scope of the issue. Mr. Robert O'Connell moved to challenge the chair's decision; however the motion failed for lack of the required second. The updated matrix from the meeting is posted below and members should send solution options and packages to laura.walter@pjm.com before May 21, 2014.

[Item 11A – QTU Matrix – post meeting](#)

12. INTERREGIONAL COORDINATION UPDATE

The update on interregional coordination has been posted for information due to availability of staff.

[Item 12A – Interregional Coordination Update](#)

13. FORWARD PRICE PROJECTION PERFORMANCE

Ms. Rebecca Carroll, PJM, presented an update on PJM's efforts around the transparency and accuracy of IT SCED forward price projections.

14. RPM SUPPLY CURVE TRANSPARENCY

Mr. Thomas Zadlo, PJM, presented packages resulting from the MIC working session discussions. The committee will be asked to vote on packages at the June MIC.



15. DATA MINER UPDATE

Ms. Kim Warshel, PJM, presented an update on Data Miner.

16. MEMBER TOOL ENHANCEMENTS

Ms. Lynn Horning, PJM, informed the members of upcoming enhancements to PJM eTools and introduced PJM's action plans going forward for member tools.

17. REMOVAL OF CONEMAUGH #2 STABILITY TRIP SPECIAL PROTECTION SCHEME

Mr. Phil D'Antonio, PJM, presented a removal of a special protection scheme.

ADDITIONAL ITEM DISCUSSED

Mr. Barry Trayers, requested questions related to the Submission of Auction Specific Transactions problem statement. The committee had no questions.

[MRC Item – Submission of Auction Specific Transactions](#)

[MRC Item – Submission of Auction Specific Transactions- Problem Statement](#)

INFORMATIONAL SECTION

18. REPORT ON MARKET OPERATIONS

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

19. MIC WORKING SESSION UPDATES

Up-To Congestion Transactions

A MIC working session was held on April 10, 2014.

[20140410 Up-To Congestion Minutes](#)

The next meeting will be on May 8, 2014. 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 18, 2014.

[20140418 FTR Forfeiture Agenda](#)

The next meeting will be on May 30, 2014. Materials will be posted to the [MIC web site](#).

[Issue Tracking: FTR Forfeiture](#)

Frequently Mitigated Units & RPM Supply Curve Transparency

A MIC working session was held on April 22, 2014.

[20140422 FMU and RPM Supply Curve Minutes](#)

[Issue Tracking: Frequently Mitigated Unit Adders](#)

[Issue Tracking: RPM Supply Curve Adequacy](#)

Energy Scheduling Issue



The Energy Scheduling (MIC) meetings have been put on hold until May 2014 to allow work on related issues through the PJM/MISO Joint and Common Market Initiative. PJM will announce new meeting dates in May 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 April 28, 2014.

[20140422 Energy/Reserve Pricing and Interchange Volatility Agenda](#)

The next meeting will be on June 9, 2014. Materials will be posted to the [MIC web site](#).

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

20. SUBCOMMITTEE AND TASK FORCE UPDATES

Market Settlements Subcommittee (MSS)

The MSS met on April 22, 2014. Meeting materials are available at:

[20140422 MSS Draft Minutes](#)

The next meeting is scheduled for May 12, 2014. Meeting materials will be posted to the [MSS web site](#).

Credit Subcommittee (CS)

The CS met on February 4, 2014. Meeting materials are available at: [20140404 CS Draft Minutes](#)

The next meeting is scheduled for May 6, 2014. Meeting materials will be posted to the [CS website](#).

Demand Response Subcommittee (DRS)

The DRS met on April 23, 2014. Meeting materials are available at: [20140423 DRS Agenda](#)

The next meeting is scheduled for May 16, 2014. Meeting materials will be posted to the [DRS web site](#).

Intermittent Resources Task Force (IRTF)

The IRTF met on March 17, 2014. Meeting materials are available at: [20140317 IRTF Agenda](#)

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

21. FUTURE MEETING DATES

June 4, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
July 9, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
August 6, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
September 3, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
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