



DRAFT MINUTES
PJM MARKET IMPLEMENTATION COMMITTEE
PJM CONFERENCE & TRAINING CENTER
NORRISTOWN, PA
NOVEMBER 6, 2013
9:30 AM

Members Present:

Ford, Adrien (Chair)	PJM Interconnection, LLC	Not Applicable
Canter, David	AEP	Transmission Owner
Kerecman, Joseph	Calpine Energy Services, L.P.	Generation Owner
Dugan, Bill	Customized Energy Solutions, Ltd.*	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Schofield, William	Customized Energy Solutions, Ltd.*	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Scarpignato, David	Direct Energy Business, LLC	Other Supplier
Jennings, Kenneth	Duke Energy Business Services LLC	Generation Owner
Flaherty, Dale	Duquesne Light Company	Transmission Owner
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Benckek, Jim	FirstEnergy Solutions Corporation	Transmission Owner
Bolan, Martin	FirstEnergy Solutions Corporation	Transmission Owner
Stuchell, Jeff	FirstEnergy Solutions Corporation	Transmission Owner
Borgatti, Michael	Gable and Associates	Not Applicable
Fitch, Neal	GenOn Energy Management, LLC	Generation Owner
Pratzon, David	GT Power Group	Not Applicable
Foladare, Kenneth	Iron Mountain Generation LLC	Generation Owner
O'Connell, Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Powers, Sean	Linde Energy Services, Inc.	End User Customer
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Greening, Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Walter, Laura (Secretary)	PJM Interconnection, LLC	Not Applicable

Also in Attendance:

Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Blair, Thomas	Monitoring Analytics LLC	Not Applicable
Brown, Rich	PJM Interconnection	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
Mason, Mary	PJM Interconnection, LLC	Not Applicable
Pacella, Chris	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Zadlo, Thomas	PJM Interconnection, LLC	Not Applicable
Heidorn, Rich	RTO Insider	Not Applicable



Attended via WebEx or Teleconference:

Erickson, Bruce	Allegheny Electric Cooperative, Inc.	Electric Distributor
Hubbard, Lance	Allegheny Electric Cooperative, Inc.	Electric Distributor
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko, Brock	Appalachian Power Company	Transmission Owner
Fernandes, John	Baltimore Gas and Electric Company	Transmission Owner
Berlinski, Michael	Beacon Power, LLC	Other Supplier
Bassett, Jeffrey	BP Energy Company	Other Supplier
Xenopoulos, Damon	Brickfield, Burchett, Ritts, and Stone, PC	Not Applicable
Miller, John	Commonwealth Edison Company	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Murti, Prashant	DB Energy Trading LLC	Other Supplier
Scott, Charles	DC Energy LLC	Other Supplier
Farber, John	DE Public Service Commission	Not Applicable
Hastings, David	DhastCo, LLC	Not Applicable
Wellborn, Sam	Division of the Public Advocate of State of Delaware	End User Customer
Maucher, Andrea	Division of the Public Advocate of the State of Delaware	End User Customer
Rajan (ES), Abhijit	Dominion Resources	Not Applicable
Berger, Ken	Dominion Virginia Power	Not Applicable
Coyle, Billy	Dominion Virginia Power	Not Applicable
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Hirsch, Stephen	Downes Associates, Inc.	Other Supplier
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Jett, William	Duke Energy Business Services LLC	Generation Owner
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Knies, Heather	EDF Trading North America, LLC	Other Supplier
Janicki, Diane	Edison Mission Marketing & Trading, Inc.	Generation Owner
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Haynes, Greg	Energy Authority, Inc. (The)	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Breidenbaugh, Aaron	EnerNOC, Inc.	Other Supplier
Bash, David	Enerwise Global Technologies, Inc.	Other Supplier
Everngam, Scott	Federal Energy Regulatory Commission (The)	Not Applicable
Fernandez, Jonathan	Federal Energy Regulatory Commission (The)	Not Applicable
Logan, Sharon	Federal Energy Regulatory Commission (The)	Not Applicable
Martin, Valerie	Federal Energy Regulatory Commission (The)	Not Applicable
Sillin, John	Federal Energy Regulatory Commission (The)	Not Applicable
Snow, Robert	Federal Energy Regulatory Commission (The)	Not Applicable
Guilbault, Louis	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Seymour, Melissa	IBERDROLA RENEWABLES, LLC	Generation Owner
Hanson, Mark	Illinois Commerce Commission	Not Applicable
Minalga, Jason	Invenergy LLC	Generation Owner
Levine, Jeffrey	IPR-GDF SUEZ Energy Marketing NA, Inc.	Other Supplier
De Geeter, Ralph	Maryland Public Service Commission	Not Applicable
Freeman, Al	Michigan Public Service Commission	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Mahoney, Julieanne	New York State Electric & Gas Corporation	Other Supplier
Applebaum, David	NextEra Energy Power Marketing, LLC	Generation Owner
Owens, Christina	North Carolina Electric Membership Corporation	Electric Distributor



Wilkins, James	North Carolina Electric Membership Corporation	Electric Distributor
Summe, Martin	North Carolina Municipal Power Agency # 1	Other Supplier
Bonanni, John	NRG Power Marketing LLC	Generation Owner
Patel, Munjal	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
Carbonneau, Andrew	Open Access Technology International, Inc.	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Griffiths, Dan	Pennsylvania Office of Consumer Advocate	End User Customer
Skucas, Ruta	Pierce Atwood	Not Applicable
Smoots, Carol	Pierce Atwood	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Marks, Lorrie	PJM Interconnection, LLC	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Garbini, Marj	Potomac Electric Power Company	Electric Distributor
Razze, Scott	Potomac Electric Power Company	Electric Distributor
Shadle, David	Power Advance LLC	Not Applicable
Kazerooni, Hamid	PPL EnergyPlus, L.L.C.	Transmission Owner
Summers, Theodore	PSEG Energy Resources and Trade LLC	Transmission Owner
Heizer, Fred	Public Utilities Commission of Ohio	Not Applicable
Sudhakara, Raghu	Rockland Electric Company	Transmission Owner
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Trevino, Rita	Siemens Industry, Inc.	Other Supplier
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Scoglietti, Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Staska, Stephanie	Twin Cities Power, LLC	Other Supplier
Dupeire, Michael	Ventyx	Not Applicable
Galicia, Louis	Ventyx	Not Applicable
Batta, Michael	Virginia Electric & Power Company	Transmission Owner
Woodyard, Phillip	Washington Gas Energy Services, Inc.	Other Supplier
Wilson, James	Wilson Energy Economics	Not Applicable
Two, User	XO Energy MA, LP	Other Supplier

1. ADMINISTRATION

The Committee approved the current agenda and the minutes of the October 9, 2013 MIC meeting as posted. Ms. Adrien Ford presented options for reporting voting results in conjunction with the voting application that the MIC will begin using in December 2013. Stakeholders expressed concern that the voting application will not allow them to see how others are voting and may hinder discussion, consensus and compromise. Voting transparency will be discussed again at the next Stakeholder Process Forum Meeting on November 20. Pursuant to discussions at the next Stakeholder Process Forum, a show of hands may also be requested for informational purposes while the voting application records the official MIC votes. At the April 2014 MIC, PJM will review and solicit feedback regarding the effectiveness of utilizing the voting application during the Administration agenda topic.

2. MANUAL 41 AND REGIONAL PRACTICES UPDATES

Ms. Mary Mason, PJM, presented updates to the Regional Practices Document. The committee endorsed the changes to the Regional Practices Document with 0 objections and 0 abstentions.

3. BELMONT SPECIAL PROTECTION SCHEME



Mr. Ted McPherson, FirstEnergy, presented minor changes to the Belmont Special Protection Scheme in the FirstEnergy zone.

4. PRICE FORMATION AND RESERVE REQUIREMENTS DURING HOT WEATHER OPERATIONS

Mr. Angelo Marcino, PJM, presented information related price formation in PJM energy market and reserve requirements during hot weather operations. A problem statement will be brought by PJM to the Market Reliability Committee at the end of the month. The issue is that during extreme weather the current pricing mechanism does not capture all of the real time actions taken by PJM operations and the conservative actions taken to raise reserve requirements are not reflected in system energy prices. The purpose of the problem statement will be to create rules when dispatchers are carrying extra generation, in order to appropriately clear generation to meet that requirement and keep pricing more stable and reflective of system conditions. The problem statement will also include analysis of interchange and the effect on the pricing during extreme weather periods.

5. INTERREGIONAL COORDINATION

Mr. Stan Williams, PJM, provided an informational update on inter-regional coordination efforts.

6. GENERATOR SEASONAL VERIFICATION TESTS

Mr. Tom Falin, PJM, reviewed a problem statement approved by the Planning Committee regarding seasonal verification tests and requested MIC feedback on the timetable to implement any resulting changes. Currently only combustion turbine and combined cycle units explicitly have to do temperature adjustment to the ratings test but changes are being contemplated to make the temperature adjustment explicit for all units. In an effort to coordinate proposed changes with PJM markets, and that these changes might cause some units to reduce their ICAP, used to calculate the amount of capacity a resource can offer into RPM. The MIC is being asked for feedback.

Stakeholders asked for more information about the intent of the manual language and asked to discuss further in December to determine the possible effects of this rule change.

7. ADDITIONAL DATA REQUESTS FOR REACTIVE SERVICE CHARGES

Mr. Joe Ciabattone, PJM, provided an informational update on Reactive Service charges. PJM is following the rules as laid out in Manual 34 and is concerned about revealing market sensitive information. Stakeholders asked if the increase in reactive service charges were due to the recently announced miscalculation and resettlement. Mr. Ciabattone explained that PJM settlements did have a bug in the software where if a unit was picked up in DA for reactive and then moved into RT sometimes the appropriate schedule would not propagate through. The issue didn't affect all units and wasn't a huge amount of money. Stakeholders would like more information about how the RTEP process is connected to these changes in Reactive costs and cost trends in the zone, short term and long term and whether the current level of Reactive cost is something that's going to continue. The Quarterly State of the Market report will be sent out to the Market Implementation Committee roster when available and will contain additional information about Reactive Service.

INFORMATIONAL SECTION

8. REPORT ON MARKET OPERATIONS

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

9. OPERATIONAL UPDATES



Quarterly Net Energy Metering Report

The quarterly Net Energy Metering Report, with a section on negative load bus counts for the first three quarters in 2013, is posted [here](#).

10. PERFORMANCE BASED REGULATION UPDATE

Conforming changes to Manual 28: Operating Agreement Accounting needed to support FERC's final Order on Performance Based Regulation is posted for information. Please note per the FERC Order, these changes are retroactively effective to the Performance Based Regulation implementation date of October 1, 2012.

[Item 10A - Conforming Manual 28 Revisions – Presentation](#)

[Item 10B - Conforming Manual 28 Revisions – Redline](#)

11. MIC WORKING SESSION UPDATES

Energy Scheduling Issue

A MIC working session was held on November 1, 2013. Meeting materials are available at:

[20131101 Energy Scheduling Agenda](#)

The next meeting is scheduled for January 15, 2013. Meeting materials will be posted to the [MIC web site](#).

Day-Ahead Reliability and Reactive Cost Allocation

A MIC working session was held on October 17, 2013. Meeting materials are available at:

[20131017 DARRCA Draft Agenda](#)

There are no future meetings scheduled at this time. When scheduled, meeting materials are posted to the [MIC web site](#).

PJM Renewable Integration Study (PRIS)

A MIC working session was held on October 28, 2013. Meeting materials are available at:

[20131028 PRIS Presentation](#)

The next meeting is scheduled for December 5, 2013. Meeting materials will be posted to the [MIC web site](#).

Frequently Mitigated Units & RPM Supply Curve Transparency

A MIC working session will be held today, November 6, 2013.

The next meeting is scheduled for December 4, 2013. Meeting materials will be posted to the [MIC web site](#).

12. SUBCOMMITTEE AND TASK FORCE UPDATES

Credit Subcommittee (CS)

The CS met on September 12, 2013. Meeting materials are available at:

[20130912 CS Agenda](#)

There are no future meetings scheduled at this time. When scheduled, meeting materials will be posted to the [CS website](#).

Demand Response Subcommittee (DRS)

The DRS met on October 22, 2013. Meeting materials are available at:



[20131022 DRS Agenda](#)

The next meeting is scheduled for November 19, 2013. Meeting materials will be posted to the [DRS web site](#).

Intermittent Resources Task Force (IRTF)

The IRTF met on October 21, 2013. Meeting materials are available at:

[20131021 IRTF Minutes](#)

The next meeting is scheduled for December 18, 2013. Meeting materials will be posted to the [IRTF web site](#).

Financial Transmission Rights Task Force (FTRTF)

There are no future meetings scheduled at this time. When scheduled, meeting materials will be posted to the [FTRTF website](#).

Market Settlements Subcommittee (MSS)

The MSS met on October 23, 2013. Meeting materials are available at:

[20131023 MSS Agenda](#)

The next meeting is scheduled for November 14, 2013. Meeting materials will be posted to the [MSS web site](#).

13. FUTURE MEETING DATES

December 12, 2013	9:30 AM	PJM Interconnection - Valley Forge, PA
January 8, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
February 5, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
March 5, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
April 9, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
May 7, 2014	9:30 AM	PJM Interconnection - Valley Forge, PA
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