



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

Members Present:

Ford, Adrien (Chair)	PJM Interconnection, LLC	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Jennings, Kenneth	Duke Energy Business Services LLC	Generation Owner
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Fitch, Neal	GenOn Energy Management, LLC	Generation Owner
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Fabiano, Janell (Secretary)	PJM Interconnection, LLC	Not Applicable

Also in Attendance:

Lacey, Frank	Comverge	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Falin, Tom	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Langbein, Peter	PJM Interconnection, LLC	Not Applicable
Pacella, Chris	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Williams, Stan	PJM Interconnection, LLC	Not Applicable
Yeddanapudi, Sree	PJM Interconnection, LLC	Not Applicable

Attended via WebEx or Teleconference:

Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Canter, David	AEP	Transmission Owner
Terry, Jonathan	Allegheny Electric Cooperative, Inc.	Electric Distributor
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Mancuso, Maria	Baltimore Gas and Electric Company	Transmission Owner



Jablonski, James	Borough of Butler, Butler Electric Division	Electric Distributor
Crockett, Brenda	Champion Energy Marketing, LLC	Other Supplier
Haney, Kara	Champion Energy Services, LLC	Other Supplier
Miller, John	Commonwealth Edison Company	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Dessender, Harry	Customized Energy Solutions, Ltd.*	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Farber, John	DE Public Service Commission	Not Applicable
Wellborn, Sam	Delaware/Division of the Public Advocate	End User Customer
Rajan (ES), Abhijit	Dominion Resources	Not Applicable
Berger, Ken	Dominion Virginia Power	Not Applicable
Currier, Jeff	Dominion Virginia Power	Not Applicable
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Flaherty, Dale	Duquesne Light Company	Transmission Owner
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
Janicki, Diane	Edison Mission Marketing & Trading, Inc.	Generation Owner
Kilgallen, Kevin	Emerald Energy	Not Applicable
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Shaw, Marka	Exelon Generation Co., LLC	Generation Owner
Everngam, Scott	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
Benchek, Jim	FirstEnergy Solutions Corporation	Transmission Owner
Stuchell, Jeff	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
Phillips, Marji	Hess Corporation	Other Supplier
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Kester, Erin	IBERDROLA RENEWABLES, LLC	Generation Owner
Frellich, Jessica	Integrys Energy Services, Inc.	Other Supplier
Lauderdale, Melissa	Integrys Energy Services, Inc.	Other Supplier
Klunk, Christina	Integrys Energy Services, Inc. (Retail)	Other Supplier
Levine, Jeffrey	IPR-GDF SUEZ Energy Marketing NA, Inc.	Other Supplier
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
Freeman, Al	Michigan Public Service Commission	Not Applicable
Kirkpatrick, Roger	New York ISO	Not Applicable
Fazio, Danielle	Noble Americas Gas & Power Corp.	Other Supplier
Wilkins, James	North Carolina Electric Membership Corporation	Electric Distributor
Bonanni, John	NRG Power Marketing LLC	Generation Owner
Patel, Munjal	NRG Power Marketing LLC	Generation Owner
Gell, Richard	Ontario Power Generation Inc.	Other Supplier
Feldman, Brett	Other	Not Applicable
Stein, Edward	Pennsylvania Electric Company	Transmission Owner



Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Teo, Kathrina	Power Costs Inc	Not Applicable
Terelmes, Steve	Power Costs Inc	Other Supplier
Bennett, Stephen	PPL EnergyPlus, L.L.C.	Transmission Owner
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
Etnoyer, Scott	Raven Power Marketing LLC	Generation Owner
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Spencer, Doug	Southeastern Power Administration	Other Supplier
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Galicia, Louis	Ventyx	Not Applicable
Batta, Michael	Virginia Electric & Power Company	Transmission Owner
Slade Jr. (ES-vapwr), Louis	Virginia Electric & Power Company	Transmission Owner
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Birnel, William	Westar Energy, Inc.	Other Supplier

1. ADMINISTRATION

The Committee approved the Agenda and the minutes of the January 8, 2014 MIC meeting will be up for approval in March. Ms. Adrien Ford reviewed the MIC work plan.

At the January 30, 2014 the Markets and Reliability Committee assigned the Qualifying Transmission Upgrade Credit Requirement issue to the MIC. The committee decided to begin the discussion and education at the full MIC with the option of moving the issue to another group at a later time.

Mr. Ray Fernandez, PJM, provided an update on the old weather settlement issues. With regards to the Make Whole payments for generator costs greater than \$1000/MWh, stakeholders requested more information as to how the data will be included in the bill and also a report on total dollars and rates. Concerns were raised by multiple members about how the operating reserve allocation is being calculated.

Mr. Tom Falin, PJM, provided an update on the PJM Load Forecast Report that was published in January, 2014. PJM recently received new information from BGE that will cause PJM to revise the load forecast for the BGE zone. Within the next week, PJM will determine the magnitude of the adjustment and will re-issue the 2014 Load Forecast Report. This updated load forecast will be used in upcoming RTEP studies that will focus on 2019. RPM parameters for 2017/18 are expected to be updated in mid-March with the FRR update.

2. GENERATOR SEASONAL VERIFICATION TESTS

Mr. Jeff Bastian, PJM, discussed a near term transition mechanism to address Manual 21 revisions regarding generation seasonal verification test requirements. For each planning year, prior to the next incremental auction for that delivery year the deadline shall be April 1, 2014 for the 2014/15 but for 15/16 auction PJM will need indication



by June 1, 2014 and for 2016/17 by August 1, 2014. The committee endorsed proposal with the friendly amendment with 0 objections and 24 abstentions.

3. DR PARTICIPATION IN SR MARKET PROBLEM STATEMENT

Mr. Frank Lacey, Converge, presented a problem statement relating to residential demand response participation in the synchronous reserve market. The committee endorsed the problem statement with 12 objections and 11 abstentions. The committee will be asked to vote on the issue charge at the March meeting.

4. ECONOMIC DEMAND RESPONSE SETTLEMENTS IN ENERGY MARKET FOR NORMAL OPERATIONS

Mr. Pete Langbein, PJM, presented proposed manual language changes from the Demand Response Subcommittee to clarify tariff provisions regarding Economic Demand Response settlements in energy market for load reductions that occur as part of normal operations. The committee endorsed the manual language with 110 in favor, 22 against and 18 objections (83% approval).

5. REGIONAL TRANSMISSION AND ENERGY SCHEDULING PRACTICES

Mr. Christopher Pacella, PJM, presented updates to the Regional Transmission and Energy Scheduling Practices for the deployment of the ExSchedule application that will replace the EES application. The committee will be asked for endorsement at the March meeting.

6. DYNAMIC TRANSFERS

Mr. Sree Yeddanapudi, PJM, presented information on the Draft PJM Dynamic Transfer Business Rules and request feedback from the MIC.

7. ANNUAL ARR FTR PROCESS

Mr. Tim Horger, PJM, gave an update on the Annual ARR FTR Process.

8. PJM ARR STAGE 1A ZONAL BASE LOAD CALCULATION AND WAIVER

Mr. Brian Chmielewski, PJM, presented information related to an ARR Waiver.

9. MSS UPDATE

Mr. Eric Hsia, PJM, updated the committee on the current discussions in the Market Settlement Subcommittee. The MSS was at an impasse regarding changing the schedule for submission of load data with survey results regarding preferred package solutions split. The recommendation was that the MSS continue to focus work on package F and bring it back to the MIC for a future vote. There were no objections to that recommendation.

10. ETOO REFRESH SCHEDULE

This item was made informational.

11. MISO INTERFACE DEFINITION CHANGES



Ms. Rebecca Carroll, PJM, presented changes to the MISO interface definition.

12. MARKET FLOW CHANGES

Mr. Asanga Perera, PJM, presented changes to the way PJM calculates Market Flows which will become effective on June 1, 2014.

13. INTERREGIONAL COORDINATION

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

14. REAL TIME COMMUNICATION

Ms. Erin Sechrist, PJM, updated members on a survey that will request feedback about real time communications.

INFORMATIONAL SECTION

15. NET ENERGY METERING UPDATE QUARTER 4

For informational purposes the Net Metering Update for Quarter 4 2013 has been posted.

[Item 15A – Net Energy Metering Update](#)

[Issue Tracking: Net Energy Metering](#)

16. CONFORMING MANUAL CHANGES FOR DR OPERATIONAL ENHANCEMENT

For informational purposes manual changes for DR operational enhancement filed at FERC on 12/24/13 under Docket ER14-822-000. Changes will be reviewed and approved at Operating Committee and also reviewed at Demand Response Subcommittee.

[Item 16A – Emergency DR 2014 Registration Process Change for FERC filed Changes](#)

[Item 16B – M11 for DR operational enhancement](#)

[Item 16C – M13 for DR operational enhancement](#)

[Item 16D – M18 for DR operational enhancement](#)

[Item 16E – M19 for DR operational enhancement](#)

17. REPORT ON MARKET OPERATIONS

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

18. MIC WORKING SESSION UPDATES

FTR Forfeiture

The first MIC working session was held on January 28, 2014.

[20140128 FTR Forfeiture Agenda](#)

The next meeting will be on February 18, 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 January 27, 2014.

[20140127 FMU and RPM Supply Curve Agenda](#)

The next meeting is scheduled for February 25, 2014. Meeting materials will be posted to the [MIC web site](#).

[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 April/May 2014 to allow work on related issues through the PJM/MISO Joint and Common Market Initiative. PJM will announce new meeting dates in late April or early May 2014 as appropriate. Meeting materials will be posted to the [MIC web site](#).

[Issue Tracking: Energy Scheduling Issue](#)

Energy/Reserve Pricing & Interchange Volatility

The first MIC working was held on January 15, 2014.

[20140115 Energy/Reserve Pricing and Interchange Volatility Agenda](#)

The next meeting will be February 6, 2014. Meeting materials will be posted to the [MIC web site](#).

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

PJM Renewable Integration Study (PRIS)

A MIC working session will be held in on March 3, 2014. Meeting materials will be posted to the [MIC web site](#).

19. SUBCOMMITTEE AND TASK FORCE UPDATES

Market Settlements Subcommittee (MSS)

The MSS met on January 24, 2014. Meeting materials are available at:

[20140124 MSS Agenda](#)

The next meeting is scheduled for February 18, 2014. Meeting materials will be posted to the [MSS web site](#).

Credit Subcommittee (CS)

The CS met on February 4, 2014. 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 January 21, 2014. Meeting materials are available at:

[20140121 DRS Agenda](#)

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

Intermittent Resources Task Force (IRTF)

The IRTF met on January 22, 2014. Meeting materials are available at:

[20140122 IRTF Agenda](#)

The next meeting is scheduled for March 17, 2014. Meeting materials will be posted to the [IRTF web site](#).



20. FUTURE MEETING DATES

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