



DRAFT MINUTES
PJM MARKET IMPLEMENTATION COMMITTEE
PJM CONFERENCE & TRAINING CENTER
NORRISTOWN, PA
DECEMBER 12, 2013
9:30 AM

Members Present:

Ford, Adrien (Chair)	PJM Interconnection, LLC	Not Applicable
Canter, David	AEP	Transmission Owner
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Mancuso, Maria	Baltimore Gas and Electric Company	Transmission 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
Jennings, Kenneth	Duke Energy Business Services LLC	Generation Owner
Flaherty, Dale	Duquesne Light Company	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Stadlmeyer, Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Stuchell, Jeff	FirstEnergy Solutions Corporation	Transmission Owner
Benchek, Jim	FirstEnergy Solutions Corporation	Transmission Owner
Marton, David	FirstEnergy Solutions Corporation	Transmission Owner
Miller, Don	FirstEnergy Solutions Corporation	Transmission Owner
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
Manning, James	North Carolina Electric Membership Corporation	Electric Distributor
Yang, Vincent	NRG Power Marketing LLC	Generation Owner
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Fuess, James	PBF Power Marketing LLC	Generation Owner
Brodbeck, John	Potomac Electric Power Company	Electric Distributor
Razze, Scott	Potomac Electric Power Company	Electric Distributor
Greening, Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Hyzinski, Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
Citrolo, John	PSEG Energy Resources and Trade LLC	Transmission Owner
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Walter, Laura (Secretary)	PJM Interconnection, LLC	Not Applicable

Also in Attendance:

Huddleston, Barry	CLEAN LINE ENERGY PARTNERS LLC	Not Applicable
Borgatti, Michael	Gable and Associates	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable



Blair, Tom	Monitoring Analytics, LLC	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Bouchez, Nicole	New York ISO	Not Applicable
Brown, Rich	PJM Interconnection	Not Applicable
Anders, David	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Falin, Tim	PJM Interconnection, LLC	Not Applicable
Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Loomis, Harold	PJM Interconnection, LLC	Not Applicable
McLavery, Megan	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Patzin, William	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Heidorn, Rich	RTO Insider	Not Applicable

In Attendance via WebEx / Teleconference:

Erickson, Bruce	Allegheny Electric Cooperative, Inc.	Electric Distributor
Hubbard, Lance	Allegheny Electric Cooperative, Inc.	Electric Distributor
Terry, Jonathan	Allegheny Electric Cooperative, Inc.	Electric Distributor
Gabrieli, Anthony	Ally Energy LLC.	Other Supplier
McAlister, Lisa	American Municipal Power, Inc.	Electric Distributor
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Henry, Michelle	American Transmission Systems, Inc.	Transmission Owner
Esposito, Patricia	Atlantic Grid Operations A, LLC	Other Supplier
Jablonski, James	Borough of Butler, Butler Electric Division	Electric Distributor
Bassett, Jeffrey	BP Energy Company	Other Supplier
Xenopoulos, Damon	Brickfield, Burchett, Ritts, and Stone, PC	Not Applicable
Edstrom, Zac	Cargill Power Markets LLC	Other Supplier
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Miller, John	Commonwealth Edison Company	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Verderame, John	CP&L dba Progress Energy Carolinas, Inc.	Other Supplier
Judson McQueeney, Judith	Customized Energy Solutions, Ltd.*	Not Applicable
Scott, Charles	DC Energy LLC	Other Supplier
Farber, John	DE Public Service Commission	Not Applicable
Schreppler, Michael	Delmarva Power & Light Company	Electric Distributor
Hastings, David	DhastCo, LLC	Not Applicable
Maucher, Andrea	Division of the Public Advocate of the State of Delaware	End User Customer
Rajan (ES), Abhijit	Dominion Resources	Not Applicable
Coyle, Billy	Dominion Virginia Power	Not Applicable
Lacy, Catharine	Dominion Virginia Power	Not Applicable
Hirsch, Stephen	Downes Associates, Inc.	Other Supplier
Jett, William	Duke Energy Business Services LLC	Generation Owner
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Ayers-Brasher, Jennifer	E.ON Climate & Renewables North America, Inc.	Generation 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
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
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
Bolan, Martin	FirstEnergy Solutions Corporation	Transmission Owner
Shanker, Roy	H.O. Energy Services (U.S.), Inc.	Other Supplier
Allen, Kimberly	Hartigen Solutions, LLC	Not Applicable
Howley, Rachel	Hess Corporation	Other Supplier
Polakowski, Ray	Hess Corporation	Other Supplier
Gorman, Kevin	Highlands Energy Group LLC (The)	Other Supplier
Kester, Erin	IBERDROLA RENEWABLES, LLC	Generation Owner
Webster, John	Icetek.com, Inc.	Other Supplier
Hanson, Mark	Illinois Commerce Commission	Not Applicable
Gabel-Frank, Isaac	Jersey Green Energy LLC	Other Supplier
De Geeter, Ralph	Maryland Public Service Commission	Not Applicable
Freeman, Al	Michigan Public Service Commission	Not Applicable
Hayik, Seth	Monitoring Analytics, LLC	Not Applicable
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Mahoney, Julieanne	New York State Electric & Gas Corporation	Other Supplier
Huntoon, Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Kingston, Amber	North Carolina Electric Membership Corporation	Electric Distributor
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
Heizer, Fred	Ohio Public Utility Commission	Not Applicable
Gell, Richard	Ontario Power Generation Inc.	Other Supplier
Carbonneau, Andrew	Open Access Technology International, Inc.	Not Applicable
Griffiths, Dan	Pennsylvania Office of Consumer Advocate	End User Customer
Loudenburg, Zack	Pennsylvania Renewable Resources, Associates	Generation Owner
Skucas, Ruta	Pierce Atwood	Not Applicable
Smoots, Carol	Pierce Atwood	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Horning, Lynn Marie	PJM Interconnection, LLC	Not Applicable
Hugee, Jacquelynn	PJM Interconnection, LLC	Not Applicable
McNamara, Sean	PJM Interconnection, LLC	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Yeager, Leslie	PJM Interconnection, LLC	Not Applicable
DeNavas, Joe	Potomac Electric Power Company	Electric Distributor
Garbini, Marj	Potomac Electric Power Company	Electric Distributor
Teo, Kathrina	Power Costs Inc	Other Supplier
Carretta, Kenneth	PSEG Energy Resources and Trade LLC	Transmission Owner
La Falce, Michael	PSEG Energy Resources and Trade LLC	Transmission Owner
Summers, Theodore	PSEG Energy Resources and Trade LLC	Transmission Owner
Allen, Wesley	Red Wolf Energy Trading, LLC	Other Supplier



Sudhakara, Raghu
 Carmell, Matthew
 Binder, Gerry
 Robson, Matt
 Peebles, Andy
 Trevino, Rita
 Rohrbach, John
 Mitchell, Miles
 Swalwell, Brad
 Staska, Stephanie
 Galicia, Louis
 Batta, Michael
 Wolfe, Samuel
 Wadsworth, Joseph
 Wilson, James

Rockland Electric Company
 Scylla Energy LLC
 SESCO Enterprises LLC
 SESCO Enterprises LLC
 Shell Energy North America (US), LP
 Siemens Industry, Inc.
 Southern Maryland Electric Cooperative
 State of Maryland
 Tangent Energy Solutions, Inc.
 Twin Cities Power, LLC
 Ventyx
 Virginia Electric & Power Company
 Viridity Energy, Inc.
 Vitol Inc.
 Wilson Energy Economics

Transmission Owner
 Other Supplier
 Other Supplier
 Other Supplier
 Other Supplier
 Other Supplier
 Electric Distributor
 Not Applicable
 Other Supplier
 Other Supplier
 Not Applicable
 Not Applicable
 Transmission Owner
 Other Supplier
 Other Supplier
 Not Applicable

1. ADMINISTRATION

The Committee approved the current Agenda and the minutes of the November 6, 2013, MIC meeting. Ms. Laura Walter, PJM, reviewed the MIC process of approving problem statements and issue charges. The committee reviewed the MIC work plan and stakeholders requested that changes from month to month be highlighted. The Committee was informed that the Markets and Reliability Committee assigned the Energy Reserve problem statement and issue charge to the MIC.

2. FINANCIAL AND NODE LIMITATION ON UP-TO CONGESTION TRANSACTIONS PROBLEM STATEMENT

Ms. Noha Sidhom, Inertia Power LP, presented a problem statement regarding limitations on up-to congestion transactions. A stakeholder proposed a friendly amendment to have any group working on this review Dr. William W. Hogan's study and perhaps invite Dr. Hogan to the meeting to get his thoughts. The friendly amendment was considered, but it was determined that the amendment applies to the issue charge that will be up for endorsement at the January MIC meeting. **The Committee endorsed the problem statement with 124 in favor, 31 opposed and 34 abstentions.** The Committee will be asked to endorse the issue charge at the January MIC meeting.

3. FINANCIAL TRANSMISSION RIGHTS TASK FORCE SUNSET

Mr. Tim Horger, PJM, discussed sunseting the Financial Transmission Rights Task Force (FTRTF). **The Committee endorsed sunseting the group by acclamation with 0 objections and 13 abstentions.**

4. MANUAL 28

Ms. Suzanne Coyne, PJM, gave an informational update on changes to Manual 28: Operating Agreement Accounting. **The committee endorsed these conforming changes by acclamation with 0 objections and 1 abstention.**

5. EMERGENCY ANNUAL DEMAND RESPONSE MAINTENANCE OUTAGE REPORTING PROCESS PROBLEM STATEMENT

Mr. Pete Langbein, PJM, requested approval for Demand Response Subcommittee to clarify business rules that will implement a process for Curtailment Service Providers to report Annual Demand Response Maintenance outages.



The committee endorsed the problem statement by acclamation with 0 objections and 0 abstentions. The committee will be asked to endorse the issue charge at the January MIC meeting.

6. PROPOSED DEMAND RESPONSE PRODUCT SUBSTITUTION CLARIFICATION

Mr. Pete Langbein, PJM, presented proposed manual language changes that clarify tariff provisions that allow demand response capacity product substitution during a product specific emergency demand response dispatch. The committee will be asked to endorse the manual language at the next meeting.

7. EXPORT CREDIT REQUIREMENTS

Mr. Hal Loomis, PJM, presented an informational update on the export credit requirements.

8. ENVIRONMENTAL REGULATIONS IMPACT - GENERATION OUTAGES

Mr. David Schweizer, PJM, gave an informational update on generation outage impacts related to environmental regulations.

9. DATA MINER UPDATE

Ms. Kim Warshel, PJM, gave an informational update on data miner functionality on pjm.com. Data miner functionality is scheduled to go live December 19, 2013.

10. GENERATOR SEASONAL VERIFICATION TESTS

Mr. Falin discussed the Problem Statement and solicited MIC feedback on the implementation timetable. The group discussed the pros and cons of implementing the changes in summer 2014 vs delaying implementation until summer 2017.

11. PRICE FORMATION AND RESERVE REQUIREMENTS DURING HOT WEATHER OPERATIONS

Ms. Rebecca Carroll, PJM, presented information related to price formation in the PJM Energy Market and reserve requirements during hot weather operations. Stakeholders requested this issue be worked as soon as possible at special sessions of the MIC.

INFORMATIONAL SECTION

12. INTERREGIONAL COORDINATION

For informational purposes an update on interregional coordination efforts will be posted when available.

[Item 12A - Interregional Market Update](#)
[Issue Tracking: Efficiency of PJM/MISO Real Time Interchange](#)

13. REPORT ON MARKET OPERATIONS

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

14. MIC WORKING SESSION UPDATES



Energy Scheduling Issue

The next meeting is scheduled for January 15, 2014. Meeting materials will be posted to the [MIC web site](#).

PJM Renewable Integration Study (PRIS)

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

Frequently Mitigated Units & RPM Supply Curve Transparency

A MIC working session was held on December 4, 2013.

[20131205 FMU and RPM Supply Curve Agenda](#)

The next meeting is scheduled for January 27, 2014. Meeting materials will be posted to the [MIC web site](#).

15. SUBCOMMITTEE AND TASK FORCE UPDATES

Credit Subcommittee (CS)

The CS met on December 6, 2013. Meeting materials are available at: [20131206 CS Agenda](#)

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

Demand Response Subcommittee (DRS)

The DRS met on December 10, 2013. The next meeting is scheduled for January 21, 2014. Meeting materials will be posted to the [DRS web site](#).

16. INTERMITTENT RESOURCES TASK FORCE (IRTF)

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

Market Settlements Subcommittee (MSS)

The MSS met on November 14. Meeting materials are available at:

[20131023 MSS Minutes](#)

The next meeting is scheduled for December 13, 2013. Meeting materials will be posted to the [MSS web site](#).

17. FUTURE MEETING DATES

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.