



**DRAFT MINUTES**  
**PJM MARKET IMPLEMENTATION COMMITTEE**  
**PJM CONFERENCE & TRAINING CENTER**  
**NORRISTOWN, PA**  
**JANUARY 8, 2014**  
**9:30 AM**

**Members Present:**

Ford, Adrien (Chair)	PJM Interconnection, LLC	Not Applicable
Canter, David	AEP	Transmission Owner
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Sidhom, Noha	Cobalt Capital Partners, LLC	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
Scarpignato, David	Direct Energy Business, LLC	Other Supplier
Jennings, Kenneth	Duke Energy Business Services LLC	Generation Owner
Flaherty, Dale	Duquesne Light Company	Transmission Owner
Peoples, John	Duquesne Light Company	Transmission Owner
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Stadelmeyer, Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Benchek, Jim	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
Webster, John	Icetec.com, Inc.	Other Supplier
Foladare, Kenneth	Iron Mountain Generation LLC	Generation Owner
O'Connell, Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Suh, Jung	Noble Americas Energy Solutions LLC	Other Supplier
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
Etnoyer, Scott	Raven Power Marketing LLC	Generation Owner
Thompson, Matt	XO Energy	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
Bell, Jerry	PJM Interconnection, LLC	Not Applicable
Brown, Richard	PJM Interconnection, LLC	Not Applicable
Callis, Joe	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Falin, Tom	PJM Interconnection, LLC	Not Applicable
Helm, Gary	PJM Interconnection, LLC	Not Applicable



Horger, Tim	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Heidorn, Rich	RTO Insider	Not Applicable
Jwanier, David	RTO Insider	Not Applicable

**Attended via WebEx or Teleconference:**

Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Erickson, Bruce	Allegheny Electric Cooperative, Inc.	Electric Distributor
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	Appalachian Power Company	Transmission Owner
James, Eric	Appalachian Power Company (AEP Generation)	Transmission Owner
Purdum, Denice	APX	Not Applicable
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Jablonski, James	Borough of Butler, Butler Electric Division	Electric Distributor
Xenopoulos, Damon	Brickfield, Burchette, Ritts & Stone, P.C.	Not Applicable
Ward, Roxanna	Cobalt Capital Partners, LLC	Other Supplier
DeLoach, William	Commonwealth Edison Company	Transmission Owner
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
Scott, Charles	DC Energy LLC	Other Supplier
Farber, John	DE Public Service Commission	Not Applicable
Dudley, Janette	Demansys Energy, LLC	Other Supplier
Hastings, David	DhastCo, LLC	Not Applicable
Buttner, Sarah	Division of the Public Advocate of State of Delaware	End Use Customer
Rajan (ES), Abhijit	Dominion Resources	Not Applicable
Berger, Ken	Dominion Virginia Power	Not Applicable
Coyle, Billy	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
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
Kilgallen, Kevin	Emerald Energy	Not Applicable
Haynes, Greg	Energy Authority, Inc. (The)	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Riding, M.Q.	Essential Power OPP, LLC	Transmission Owner
Evergam, Scott	Federal Energy Regulatory Commission (The)	Not Applicable
Fernandez, Jonathan	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
Whieldon, Esther	Federal Energy Regulatory Commission (The)	Not Applicable
Howley, Rachel	Hess Corporation	Other Supplier
Polakowski, Ray	Hess Corporation	Other Supplier
Kester, Erin	IBERDROLA RENEWABLES, LLC	Generation Owner



Levine, Jeffrey	IPR-GDF SUEZ Energy Marketing NA, Inc.	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
Dadourian, John	Monitoring Analytics, LLC	Not Applicable
Hayik, Seth	Monitoring Analytics, LLC	Not Applicable
Luna, Joel	Monitoring Analytics, LLC	Not Applicable
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Avallone, Ethan	New York ISO	Not Applicable
Applebaum, David	NextEra Energy Power Marketing, LLC	Generation Owner
Gardner, Michelle	NextEra Energy Power Marketing, LLC	Generation Owner
Huntoon, Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
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
Yang, Vincent	NRG Power Marketing LLC	Generation Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End Use Customer
Gell, Richard	Ontario Power Generation Inc.	Other Supplier
Feldman, Brett	Other	Not Applicable
Paslick, Marissa	Other	Not Applicable
Loudenburger, Zack	Pennsylvania Renewable Resources, Associates	Generation Owner
Skucas, Ruta	Pierce Atwood	Not Applicable
Smoots, Carol	Pierce Atwood	Not Applicable
Glazer, Craig	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
DeNavas, Joe	Potomac Electric Power Company	Electric Distributor
Razze, Scott	Potomac Electric Power Company	Electric Distributor
Teo, Kathrina	Power Costs Inc	Not Applicable
Hyzinski, Tom	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
Jostworth, Kimberly	RBC Energy Services LP	Other Supplier
Christian, Adam	Red Wolf Energy Trading, LLC	Other Supplier
Sudhakara, Raghu	Rockland Electric Company	Transmission Owner
Carmell, Matthew	Scylla Energy LLC	Other Supplier
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Peebles, Andy	Shell Energy North America (US), LP	Other Supplier
Trevino, Rita	Siemens Industry, Inc.	Other Supplier
Kelly, Kyo	Southern Company Services, Inc. as agent for Alabama Power Co.	Other Supplier
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Staska, Stephanie	Twin Cities Power, LLC	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
Wolfe, Samuel	Viridity Energy, Inc.	Other Supplier
Ruddell, Amanda	Wabash Valley Power Association, Inc.	Other Supplier
Wetter, Kari	Wabash Valley Power Association, Inc.	Other Supplier
Birnel, William	Westar Energy, Inc.	Other Supplier
Wilson, James	Wilson Energy Economics	Not Applicable



## 1. ADMINISTRATION

The Committee approved the amended Agenda and the minutes of the December 12, 2013 MIC meeting. Mr. Gary Helm, PJM, presented an update on gas-electric coordination related to the cold weather in January and FERC Order 787. PJM filed two temporary waivers one January 4 – January 10 and another for a longer period, January 11 – March 31, to allow PJM to communicate non-public operational information with interstate gas pipelines. These waivers are to bridge the gap until a more permanent solution is in place.

## 2. COLD WEATHER UPDATE

Mr. Adam Keech, PJM, presented a cold weather update for January 7, 2014.

[Item 1E – Cold Weather Update](#)

## 3. GENERATOR SEASONAL VERIFICATION TESTS

This item was delayed until February.

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

Ms. Noha Sidhom, Inertia Power LP, presented an issue charge regarding limitations on up-to congestion transactions. **The committee endorsed the issue charge with 84 in favor, 36 against and 58 abstentions (70% approval).**

## 5. EMERGENCY ANNUAL DEMAND RESPONSE MAINTENANCE OUTAGE REPORTING PROCESS ISSUE CHARGE

Mr. Pete Langbein, PJM, requested approval for the Demand Response Subcommittee to work on a clarification of the business rules that conform with the Tariff to implement a process for Curtailment Service Providers reported Annual Demand Response Maintenance outages. **The committee endorsed the issue charge by acclamation with 4 abstentions and 0 objections.**

## 6. PROPOSED DEMAND RESPONSE PRODUCT SUBSTITUTION CLARIFICATION

Mr. Pete Langbein presented a first read of proposed Manual language changes to clarify Tariff provisions that allow demand response capacity product substitution during a product specific emergency demand response dispatch. **The committee endorsed the manual language with 16 abstentions and 0 objections.**

[Item 5F - Discussion of PJM Tariff Requirements for Economic Demand Response](#)

## 7. ECONOMIC DEMAND RESPONSE SETTLEMENTS IN ENERGY MARKET FOR NORMAL OPERATIONS

Mr. Pete Langbein presented a first read of 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. These changes were approved at the DRS on a consensus basis with 1 abstention. Some stakeholders expressed concern that proposed Manual Revisions were not consistent with the FERC's Final Order 745 and that economic DR payments should be made to customers that reduce load regardless of participation in a PJM wholesale market. PJM explained that the proposed manual language changes



are consistent with PJM interpretation of the tariff that economic DR should provide a net benefit to the system and be in response to PJM dispatch instruction. Further, that customer with existing activity may qualify for economic DR settlements if there is a baseline that will appropriately quantify the activity. PJM has been actively working with members on more dynamic baselines that quantify the appropriate load reductions. The committee will be asked to endorse the Manual language at the February meeting.

## **8. CALCULATION OF IARRS FOR RTEP UPGRADES**

Mr. Tim Horger, PJM, presented information of calculation of Incremental Auction Revenue Rights (IARR) for Regional Transmission Expansion Planning (RTEP) upgrades.

## **9. PRICE SETTING CHANGES**

Mr. Adam Keech, PJM, presented possible price setting changes being discussed at the Energy Market Uplift Senior Task Force and an update on reactive charges. There was an error beginning in August 2013 that caused extra payments to be made to units committed for reactive service in day-ahead. The error will be corrected starting January 2014 for the time period August – December 2013. Current estimates are that the correction is between \$25M and \$30M. Also, PJM is providing notice that a new SENECA Interface has been created and effective on February 1, 2014.

## **10. TECHNICAL ANALYSIS OF THE SEPTEMBER 2013 HEAT WAVE**

Mr. Adam Keech and Mr. Joe Callis, PJM, reviewed the report issued December 23, 2013 analyzing operations and markets during the September 2013 Heat Wave and answered stakeholder questions. The report included 22 recommendations for PJM and PJM members.

[Item 9B – Heat Wave Presentation](#)

## **INFORMATIONAL SECTION**

### **11. BGE SPS REMOVAL**

For informational purposes the Removal of Brandon Shores – Riverside Special Protection Scheme in the BGE zone has been posted.

[Item 10A – BGE SPS Removal](#)

### **12. INTERREGIONAL COORDINATION**

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

[Item 11A - Interregional Market Update](#)  
*Issue Tracking: Efficiency of PJM/MISO Real Time Interchange*

### **13. DRAFT PJM/MISO BIENNIAL JOA REVIEW**

For informational purposes the draft PJM/MISO Biennial JOA Review has been posted.

[Item 12A - Draft PJM/MISO Biennial JOA Review](#)

### **14. REPORT ON MARKET OPERATIONS**

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



## 15. 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](#).

### FTR Forfeiture

The first MIC working session will be held on January 28, 2014. Meeting materials will be posted to the [MIC web site](#).

### Energy/Reserve Pricing & Interchange Volatility

The first MIC working session will be held on January 15, 2014. Meeting materials will be posted to the [MIC web site](#).

## 16. 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 website](#).

### Demand Response Subcommittee (DRS)

The DRS met on December 10, 2013. Meeting materials are available at:

[20131210 DRS Agenda](#)

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

### Intermittent Resources Task Force (IRTF)

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

### Market Settlements Subcommittee (MSS)

The MSS met on December 13, 2013. Meeting materials are available at

## 17. 20131023 MSS MINUTES

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



## 18. FUTURE MEETING DATES

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