



Draft  
Minutes  
PJM Interconnection  
Markets and Reliability Committee  
The Chase Center on the Riverfront, Wilmington, DE  
January 22, 2015  
9:00 a.m. – 12:00 noon

**CHAIR/SECRETARY**

Kormos	Mike	PJM Interconnection, LLC	Not Applicable
Anders	David	PJM Interconnection, LLC	Not Applicable

**VOTING PARTICIPANTS**

Last Name	First Name	Company	Sector
Benchek	Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bernier	Luc	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Branch	John	SunCoke Energy, Inc.	Generation Owner
Bruce	Susan	Rep.g' Air Liquide Industrial U.S., LP	End User Customer
Bruce	Susan	Rep.g' Air Products & Chemicals, Inc.	End User Customer
Bruce	Susan	Rep.g' Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce	Susan	Rep.g' Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Rep.g' Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep.g' Lehigh Portland Cement Company	End User Customer
Bruce	Susan	Rep.g' Letterkenny Industrial Development Authority	Electric Distributor
Bruce	Susan	Rep.g' Linde LLC	End User Customer
Bruce	Susan	Rep.g' MeadWestvaco Corporation	End User Customer
Bruce	Susan	Rep.g' Praxair, Inc.	End User Customer
Bruce	Susan	Rep.g' Procter & Gamble Paper Products Company (The)	End User Customer
Bruce	Susan	Rep.g' Trustees of the U of PA, dba University of Pennsylvania	End User Customer
Bruce	Susan	Rep.g' Wellsboro Electric Company (pre-2008)	Electric Distributor
Campbell	Bruce	Rep.g' EnergyConnect, Inc.	Other Supplier
Campbell	Bruce	Rep.g' Mid-Atlantic Power Partners	Other Supplier
Cox	Jason	Dynegy Marketing & Trade, LLC	Generation Owner
Czigler	Frank	Public Service Electric & Gas Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Esposito	Patricia	Atlantic Grid Operations A, LLC	Other Supplier
Etnoyer	Scott	MEG Generating Company, LLC	Generation Owner



Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Godson	Gloria	Rep.g' Potomac Electric Power Company	Electric Distributor
Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Griffiths	Dan	Rep.g' Division of the Public Advocate of State of Delaware	End User Customer
Griffiths	Dan	Rep.g' Indiana Office of Utility Consumer Counsel	End User Customer
Griffiths	Dan	Rep.g' Maryland Office of Peoples Counsel	End User Customer
Griffiths	Dan	Rep.g' New Jersey Div. of the Ratepayer Advocate	End User Customer
Griffiths	Dan	Rep.g' Office of the Ohio Consumers' Counsel	End User Customer
Griffiths	Dan	Rep.g' West Virginia Consumer Advocate Division	End User Customer
Hastings	David	Rep.g' Mercuria Energy America, Inc.	Other Supplier
Hastings	David	Rep.g' Northstar Trading Ltd.	Other Supplier
Hastings	David	Rep.g' Saracen Energy East LP	Other Supplier
Hastings	David	Rep.g' SESCO Enterprises LLC	Other Supplier
Hastings	David	Rep.g' Solios Power LLC	Other Supplier
Hastings	David	Rep.g' Twin Cities Power, LLC	Other Supplier
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Horstmann	John	Dayton Power and Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company (AEP Generation)	Transmission Owner
Jablonski	James	Rep.g' Borough of Butler, Butler Electric Division	Electric Distributor
Jablonski	James	Rep.g' Borough of Lavallette, New Jersey	Electric Distributor
Jablonski	James	Rep.g' Borough of Madison, New Jersey	Electric Distributor
Jablonski	James	Rep.g' Borough of Milltown	Electric Distributor
Jablonski	James	Rep.g' Borough of Park Ridge, New Jersey	Electric Distributor
Jablonski	James	Rep.g' Borough of Pemberton	Electric Distributor
Jablonski	James	Rep.g' Borough of Seaside Heights, New Jersey	Electric Distributor
Jablonski	James	Rep.g' Borough of South River, New Jersey	Electric Distributor
Jablonski	James	Rep.g' Vineland Municipal Electric Utility	Electric Distributor
Johnson	Carl	Rep.g' Allegheny Electric Cooperative, Inc.	Electric Distributor
Johnson	Carl	Rep.g' Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Rep.g' Borough of Chambersburg (DTEET)	Electric Distributor
Johnson	Carl	Rep.g' Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Rep.g' Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	Rep.g' City of Dover, Delaware	Electric Distributor
Johnson	Carl	Rep.g' Delaware Municipal Electric Corporation	Electric Distributor
Johnson	Carl	Rep.g' Easton Utilities Commission	Electric Distributor
Johnson	Carl	Rep.g' Energy Cooperative Association of PA	Other Supplier
Johnson	Carl	Rep.g' Galt Power Inc.	Other Supplier



Johnson	Carl	Rep.g' Hagerstown Light Department	Electric Distributor
Johnson	Carl	Rep.g' Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Rep.g' Indiana Municipal Power Agency	Generation Owner
Johnson	Carl	Rep.g' Madison Gas & Electric Company	Other Supplier
Johnson	Carl	Rep.g' Mont Alto, PA (Borough of)	Electric Distributor
Johnson	Carl	Rep.g' North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Rep.g' North Carolina Municipal Power Agency # 1	Other Supplier
Johnson	Carl	Rep.g' Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Rep.g' Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Rep.g' Thurmont, MD (Town of)	Electric Distributor
Johnson	Carl	Rep.g' Williamsport, MD (Town of)	Electric Distributor
Johnson	Carl	Rep.g' WPPI Energy	Other Supplier
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Merola	Becky	Noble Americas Gas & Power Corp.	Other Supplier
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'Connell	Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Parker	Seth	Long Island Lighting Company d/b/a LIPA	Other Supplier
Peoples	John	Duquesne Light Company	Transmission Owner
Pratzon	David	Rep.g' Calpine Energy Services, L.P.	Generation Owner
Pratzon	David	Rep.g' Liberty Electric Power, LLC	Generation Owner
Quinlan	Pamela	Rockland Electric Company	Transmission Owner
Rainey	Frank	PEI Power Corporation	Generation Owner
Rohrbach	John	Rep.g' Southern Maryland Electric Cooperative	Electric Distributor
Rohrbach	John	Rep.g' Wabash Valley Power Association, Inc.	Electric Distributor
Scarpignato (Scarp)	David	Direct Energy Business, LLC	Other Supplier
Sitaraman	Nicole	Ofc... People's Counsel ... District of Columbia	End User Customer
Stadelmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Trimble	John	Alternative Utility Services, Inc.	Other Supplier
Wadsworth	Joe	Vitol Inc.	Other Supplier

### NON-VOTING PARTICIPANTS

Last Name	First Name	Company	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier



Birnel	William	Westar Energy, Inc.	Other Supplier
Bleiweis	Bruce	DC Energy, L.L.C.	Other Supplier
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bonanni	John	NRG Power Marketing, L.L.C.	Generation Owner
Burns	Will	Burns Law Firm	Not Applicable
Canter	David	AEP	Transmission Owner
Carretta	Kenneth	Public Service Electric & Gas Company ER&T	Transmission Owner
Chocarro	Iker	E.ON Climate & Renewables North America Inc.	Generation Owner
Currier	Jeffrey	Virginia Electric & Power Company	Transmission Owner
Denavas	Joe	Potomac Electric Power Company	Electric Distributor
Dupeire	Michael	Adapt2 Solutions	Not Applicable
Ellison	Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Evrard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Farber	John	Delaware Public Service Commission	Not Applicable
Feierabend	Rick	Dominion Virginia Power	Not Applicable
Fernandes	John	Renewable Energy Systems Americas	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fondacci	Luis	North Carolina Electric Membership Corporation	Electric Distributor
Frelich	Jessica	Integrays Energy Services, Inc.	Other Supplier
Gebolys	Debbie	Public Utilities Commission of Ohio	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Haas	Howard	Monitoring Analytics, LLC	Not Applicable
Hagaman	Derek	GT Power Group	Not Applicable
Hall	Walter	Maryland Public Service Commission	Not Applicable
Hayes	Patrick	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Heidorn	Richard	RTO Insider	Not Applicable
Hitch	George	Dominion Virginia Power	Not Applicable
Huntoon	Stephen	Energy Counsel, LLP	Not Applicable
Hyzinski	Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
James	Denise	Dominion Energy Marketing, Inc.	Generation Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Generation Owner
Jasani	Sachin	Red Wolf Energy Trading, LLC	Other Supplier
Judson-Mcqueeney	Judith	Customized Energy Solutions	Not Applicable
Lacy	Catharine	Dominion Resources	Not Applicable
Liang-Nicol	Cecilia	FirstEnergy Solutions Corporation	Transmission Owner
Logan	Sharon	The Federal Energy Regulatory Commission	Not Applicable



Mahoney	Julie	New York State Electric & Gas Corporation	Other Supplier
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	Not Applicable
Marton	Dave	FirstEnergy Solutions Corporation	Transmission Owner
Metzler	Jacob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Miller	John	Commonwealth Edison Company	Transmission Owner
Mok	Alan	Duke Energy Business Services LLC	Generation Owner
Neubrandner	Kerry	DC Energy LLC	Other Supplier
Ondayko	Brock	AEP	Transmission Owner
Orlando	Jim	Northern Indiana Public Service Company	Other Supplier
Patel	Munjal	PSEG Energy Resources and Trade LLC	Transmission Owner
Patrylo	Bob	H-P Energy Resources LLC	Other Supplier
Patten	Kevin	American Electric Power	Transmission Owner
Poulos	Greg	EnerNOC, Inc.	Other Supplier
Rohrbach	John	Aces Power Marketing	Not Applicable
Saini	Ishwar	Macquarie Energy LLC	Other Supplier
Sasser	Jonathan	Customized Energy Solutions	Not Applicable
Schafer	Anita	Duke Energy Business Services, Inc.	Generation Owner
Schneider	Jonathan	FirstEnergy Solutions Corporation	Transmission Owner
Schum	Alice	Illinois Municipal Electric Agency	Electric Distributor
Schupp	Jeremy	energy.me midwest llc d/b/a energy.me	Other Supplier
Sharp	Michael	Duke Energy Business Services, Inc.	Generation Owner
Sidhom	Noha	Inertia Power I, LLC	Other Supplier
Sillin	John	The Federal Energy Regulatory Commission	Not Applicable
Smyth	Dermot	ConEdison Energy Inc.	Other Supplier
Sock	Bryan	PSEG Energy Resources and Trade LLC	Transmission Owner
Stuchell	Jeff	FirstEnergy Solutions Corporation	Transmission Owner
Tarrant	Dan	Easton Utilities Commission	Electric Distributor
Tatum	Ed	Old Dominion Electric Cooperative	Electric Distributor
Todd	Raymond	Alcoa Energy	Not Applicable
Vogel	Anne	American Electric Power	Transmission Owner
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Weaver	David	PECO Energy Company	Transmission Owner
Weber	Adam	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Whitelocke	Simon	ITC Mid-Atlantic Development LLC	Other Supplier
Wilhite	Chad	FirstEnergy Solutions Corporation	Transmission Owner
Wilmoth	Emily	Dominion Virginia Power	Not Applicable
Wilson	James	Wilson Energy Economics	Not Applicable



Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
York	Katherine	Tennessee Valley Authority (The)	Other Supplier

### PJM PARTICIPANTS

Last Name	First Name	Company	Sector
Almgren	Ake	PJM Board of Managers	Not Applicable
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Berner	Aaron	PJM Interconnection, LLC	Not Applicable
Boston	Terry	PJM Interconnection, LLC	Not Applicable
Bratspis	David	PJM Interconnection, LLC	Not Applicable
Brown	Richard	PJM Interconnection, LLC	Not Applicable
Bryson	Michael	PJM Interconnection, LLC	Not Applicable
Budney	David	PJM Interconnection, LLC	Not Applicable
Burlew	Jim	PJM Interconnection, LLC	Not Applicable
Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
DeLoach	Ron	PJM Interconnection, LLC	Not Applicable
Dotter	Ray	PJM Interconnection, LLC	Not Applicable
Duane	Vince	PJM Interconnection, LLC	Not Applicable
Edwards	James	PJM Interconnection, LLC	Not Applicable
Ennis	Brad	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Fasca	Courtney	PJM Interconnection, LLC	Not Applicable
Fernandez	Ray	PJM Interconnection, LLC	Not Applicable
Ford	Adrien	PJM Interconnection, LLC	Not Applicable
Foster	Denise	PJM Interconnection, LLC	Not Applicable
Gordon	Brad	PJM Interconnection, LLC	Not Applicable
Hartung	Dean	PJM Interconnection, LLC	Not Applicable
Hauske	Thomas	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Herling	Steven	PJM Interconnection, LLC	Not Applicable
Herman	Michael	PJM Interconnection, LLC	Not Applicable
Holland	Risa	PJM Interconnection, LLC	Not Applicable
Horning	Lynn	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hugee	Jacquelyn	PJM Interconnection, LLC	Not Applicable
Keech	Adam	PJM Interconnection, LLC	Not Applicable



Kelley	Michael	PJM Interconnection, LLC	Not Applicable
Kimmell	David	PJM Interconnection, LLC	Not Applicable
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
LaRocque	Matthew	PJM Interconnection, LLC	Not Applicable
Lusska	Kirsten	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
Martini	Danielle	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McLaughlin	Jeff	PJM Interconnection, LLC	Not Applicable
McLaverty	Megan	PJM Interconnection, LLC	Not Applicable
McLeod	Ian	PJM Interconnection, LLC	Not Applicable
McNamara	Sean	PJM Interconnection, LLC	Not Applicable
Miehlke	Tracy	PJM Interconnection, LLC	Not Applicable
Noonan	Tom	PJM Interconnection, LLC	Not Applicable
O'Neill	Jack	PJM Interconnection, LLC	Not Applicable
Ott	Andrew L.	PJM Interconnection, LLC	Not Applicable
Park	Ginny	PJM Interconnection, LLC	Not Applicable
Riley	Susan	PJM Board of Managers	Not Applicable
Sanchez	Francisco	PJM Interconnection, LLC	Not Applicable
Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Sechrist	Erin	PJM Interconnection, LLC	Not Applicable
Shparber	Steve	PJM Interconnection, LLC	Not Applicable
Sims	Mark	PJM Interconnection, LLC	Not Applicable
Slusser	Jeff	PJM Interconnection, LLC	Not Applicable
Snyder	Sue	PJM Interconnection, LLC	Not Applicable
Sobotka	Michael	PJM Interconnection, LLC	Not Applicable
Souder	Dave	PJM Interconnection, LLC	Not Applicable
Souder	Richard	PJM Interconnection, LLC	Not Applicable
Swimm	Nora C.	PJM Interconnection, LLC	Not Applicable
Walter	Laura	PJM Interconnection, LLC	Not Applicable
Weiss	Glenn	PJM Interconnection, LLC	Not Applicable
Wharton	Matthew	PJM Interconnection, LLC	Not Applicable
Williams	Stan	PJM Interconnection, LLC	Not Applicable
Withrow	David	PJM Interconnection, LLC	Not Applicable



## **ADMINISTRATION**

Mr. Kormos welcomed stakeholders to the meeting and Mr. Anders provided the Anti-trust and Code of Conduct announcements.

## **INFORMATIONAL ITEMS**

Mr. Boston discussed recent issues addressed in the stakeholder process. In particular he discussed issues on which stakeholders did not reach consensus, which either resulted in FERC directing PJM to make a specific filing, or on which the PJM Board of Managers concluded that action and FERC filings were necessary. He reiterated PJM's commitment to working with stakeholders to reach consensus, but emphasized that stakeholder commitment was required as well.

Mr. Baker discussed capacity procurement for 2015/2016 in relation to PJM's FERC filing in docket ER15-739. He reviewed PJM's activities to procure capacity, including:

- Consultation with the state of New Jersey and Generation Owners in New Jersey to determine the feasibility of operating the HEDD units during the 2015/2016 Delivery Year.
- Initial discussions with Planned units about the feasibility of accelerating their in-service dates.
- Offered letter outlining the resource adequacy situation to one state EPA office in support of MATS extension.

## **ENDORSEMENTS/APPROVALS**

### **1. DRAFT MINUTES**

Minutes of the December 18, 2014 Markets and Reliability Committee (MRC) meeting were **approved** by acclamation with no objections or abstentions.

### **2. PJM MANUALS**

- A. Mr. Ron DeLoach presented changes to Manual 03A: Energy Management System (EMS) Model Updates and Quality Assurance (QA).
- B. Mr. Aaron Berner presented proposed revisions to Manual 14A: Generation and Transmission Interconnection Process updates related to MISO-PJM coordination.
- C. Mr. Jeff Bastian presented proposed revisions to Manual 18: PJM Capacity Market related to the recently FERC approved revisions to the shape of the Variable Resource Requirement Curve, gross Cost of New Entry values, and the Net Energy & Ancillary Services Revenue Offset methodology.
- D. Mr. Jeff McLaughlin presented changes to the Regional Transmission and Energy Scheduling Practices document per FERC Order 676H and NAESB required changes.
- E. Ms. Adrien Ford presented proposed Manual 11: Energy and Ancillary Services Market Operations Manual 28: Operating Agreement Accounting revisions to implement the recently FERC approved changes to the Energy Market Offer Cap.

Following discussion, the proposed revisions in items 2.A, 2.B, 2.D, 2.E were **endorsed** by acclamation with no objections or abstentions. Item 2.C was **endorsed** by acclamation with two objections and no abstentions.

## **FIRST READINGS**

### **3. PJM/MISO COORDINATED TRANSACTION SCHEDULING**

Ms. Becky Carroll discussed the proposed PJM-MISO Coordinated Transaction Scheduling (CTS) efforts to develop an additional scheduling product. The committee will be asked to endorse the proposal at a future meeting.





#### **4. PJM MANUALS**

- A. Mr. Jeff McLaughlin reviewed changes to Manual 02: Transmission Service Request to provide greater clarity and to more accurately reflect current long-term firm Initial Study process. The Committee will be asked to endorse the proposed revisions at its next meeting.
- B. Ms. Danielle Martini reviewed changes to Manual 12: Balancing Operations regarding regulation testing. The Committee will be asked to endorse the proposed revisions at its next meeting.
- C. Mr. Frankie Sanchez presented proposed revisions to Manual 14A: Generation and Transmission interconnection Process regarding Data Sheet addition. The committee will be asked to endorse these revisions at its next meeting.
- D. Mr. Mark Sims presented proposed revisions to Manual 14B: PJM Regional Transmission Planning Process detailing the process used for RTEP Long Term Analysis and several cleanup changes regarding Voltage Drop Analysis, Generator Deliverability Analysis, Load Deliverability Analysis and Cost Allocation sections of the manual. The committee will be asked to endorse these revisions at its next meeting.

#### **FUTURE AGENDA ITEMS**

No new future MRC agenda items were identified.

#### **FUTURE MEETINGS**

February 26, 2015	9:00 AM	Wilmington, DE
March 26, 2015	9:00 AM	Wilmington, DE
April 23, 2015	9:00 AM	Wilmington, DE
May 28, 2015	9:00 AM	Wilmington, DE
June 25, 2015	9:00 AM	Wilmington, DE
July 23, 2015	9:00 AM	Wilmington, DE
August 27, 2015	9:00 AM	Wilmington, DE
September 24, 2015	9:00 AM	Wilmington, DE
October 22, 2015	9:00 AM	Wilmington, DE
November 19, 2015	9:00 AM	Wilmington, DE
December 17, 2015	9:00 AM	Wilmington, DE

Author:

D.A. Anders