



**Draft**  
**Minutes**  
**PJM Interconnection**  
**Markets and Reliability Committee**  
**The Chase Center on the Riverfront, Wilmington, DE**  
**February 26, 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**

<b>Last Name</b>	<b>First Name</b>	<b>Company</b>	<b>Sector</b>
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Benchek	Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Brodbeck	John	Potomac Electric Power Company	Electric Distributor
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
Citrolo	John	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
Foladare	Kenneth	IMG Midstream LLC	Generation Owner
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
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Hargett	Christopher	Rockland Electric Company	Transmission Owner
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Horstmann	John	Dayton Power and Light Company (The)	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 American Municipal Power, 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 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
Levine	Jeffrey	GDF SUEZ Energy Marketing NA, Inc.	Other Supplier
Lieberman	Steven	Old Dominion Electric Cooperative	Electric Distributor
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Merola	Becky	Noble Americas Gas & Power Corp.	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
Rainey	Frank	PEI Power Corporation	Generation Owner
Riding	MQ	Essential Power Rock Springs, LLC	Transmission 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
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Trimble	John	Alternative Utility Services, Inc.	Other Supplier

### **NON-VOTING PARTICIPANTS**

<b>Last Name</b>	<b>First Name</b>	<b>Company</b>	<b>Sector</b>
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Bainbridge	Thomas	FirstEnergy Solutions Corporation	Transmission Owner
Birnel	William	Westar Energy, Inc.	Other Supplier
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Carretta	Kenneth	Public Service Electric & Gas Company ER&T	Transmission Owner
Cox	Phil	AEP	Transmission Owner
Coyle	William	Dominion Virginia Power	Not Applicable
Davis	Connie	Cleveland Public Power	Electric Distributor



Denavas	Joe	Potomac Electric Power Company	Electric Distributor
Ellison	Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Erbrick	Michael	MICS	Not Applicable
Evrard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Farber	John	Delaware Public Service Commission	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
Gabel-Frank	Isaac	Gabel Associates	Not Applicable
Gabrieli	Tony	PPL Energy Plus, LLC	Transmission Owner
Gebolys	Debbie	Public Utilities Commission of Ohio	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Hall	Walter	Maryland Public Service Commission	Not Applicable
Hanson	Mark	Illinois Commerce Commission	Not Applicable
Hayes	Patrick	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Herel	Suzanne	RTO Insider	Not Applicable
Hilaski	Steve	Pepco Holdings Incorporated	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
Icart	Eric	The Federal Energy Regulatory Commission	Not Applicable
Iker	Chocarro	E.on Climate & Renewables North America, Inc.	Generation Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Generation Owner
Jardot	Gina	Essential Power, LLC	Generation Owner
Judson-Mcqueeney	Judith	Customized Energy Solutions	Not Applicable
Kerecman	Joseph	Calpine Energy Services, L.P.	Generation Owner
Kopon	Owen	Steel Producers	Not Applicable
Lacy	Catharine	Dominion Resources	Not Applicable
Liang-Nicol	Cecilia	FirstEnergy Solutions Corporation	Transmission Owner
Lyser	Shelly	Rockland Electric Company	Transmission Owner
Mahoney	Julie	New York State Electric & Gas Corporation	Other Supplier
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	Not Applicable
Martin	Valerie	The Federal Energy Regulatory Commission	Not Applicable
Marton	Dave	FirstEnergy Solutions Corporation	Transmission Owner
McAdams	Julius	Red Wolf Energy Trading, LLC	Other Supplier
Metzler	Jacob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Nowell	Cynthia	Pepco Holdings Incorporated	Not Applicable



Ondayko	Brock	AEP	Transmission Owner
Orlando	Jim	Northern Indiana Public Service Company	Other Supplier
Patten	Kevin	American Electric Power	Transmission Owner
Peebles	Andy	Saracen Energy East LP	Other Supplier
Prendergast	Michael	Public Service Electric & Gas Company	Transmission Owner
Price	Ruth	Delaware Public Advocates Office	Not Applicable
Prokop	Brenda	ITC Mid-Atlantic Development LLC	Other Supplier
Richardson	Frank	PPL	Transmission Owner
Saini	Ishwar	Macquarie Energy LLC	Other Supplier
Sasser	Jonathan	Customized Energy Solutions	Not Applicable
Schneider	Jonathan	FirstEnergy Solutions Corporation	Transmission Owner
Schum	Alice	Illinois Municipal Electric Agency	Electric Distributor
Shanker	Roy	East Coast Power L.L.C.	Not Applicable
Sharp	Michael	Duke Energy Business Services, Inc.	Generation Owner
Sillin	John	The Federal Energy Regulatory Commission	Not Applicable
Stadelmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Stubbe	Judy	Duke Energy Business Services, Inc.	Generation Owner
Stuchell	Jeff	FirstEnergy Solutions Corporation	Transmission Owner
Vogel	Anne	American Electric Power	Transmission Owner
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Weaver	David	PECO Energy Company	Transmission Owner
Wilhite	Chad	FirstEnergy Solutions Corporation	Transmission Owner
Williams	Carl	FuelCell Energy	Not Applicable
Wilson	James	Wilson Energy Economics	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier

## **PJM PARTICIPANTS**

<b>Last Name</b>	<b>First Name</b>	<b>Company</b>	<b>Sector</b>
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Barrett	Francis	PJM Interconnection, LLC	Not Applicable
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Berner	Aaron	PJM Interconnection, LLC	Not Applicable
Bhavarju	Murty	PJM Interconnection, LLC	Not Applicable
Boston	Terry	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Boyle	Stephen	PJM Interconnection, LLC	Not Applicable
Bratspis	David	PJM Interconnection, LLC	Not Applicable



Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Brown	Richard	PJM Interconnection, LLC	Not Applicable
Bruno	Patrick	PJM Interconnection, LLC	Not Applicable
Bryson	Michael	PJM Interconnection, LLC	Not Applicable
Budney	David	PJM Interconnection, LLC	Not Applicable
Burdis	Tim	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
Dotter	Ray	PJM Interconnection, LLC	Not Applicable
Duane	Vince	PJM Interconnection, LLC	Not Applicable
DuPont Kidd	Paula	PJM Interconnection, LLC	Not Applicable
Ennis	Brad	PJM Interconnection, LLC	Not Applicable
Esterly	Teri	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Falco	Christine	PJM Interconnection, LLC	Not Applicable
Falin	Thomas	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
Franks	Chris	PJM Interconnection, LLC	Not Applicable
Hartung	Dean	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Herling	Steven	PJM Interconnection, LLC	Not Applicable
Holland	Risa	PJM Interconnection, LLC	Not Applicable
Horger	Tim	PJM Interconnection, LLC	Not Applicable
Horowitz	Shira	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Keech	Adam	PJM Interconnection, LLC	Not Applicable
Kelley	Michael	PJM Interconnection, LLC	Not Applicable
Kinsey	Jean	PJM Interconnection, LLC Board of Managers	Not Applicable
Kormos	Michael J.	PJM Interconnection, LLC	Not Applicable
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
LaRocque	Matthew	PJM Interconnection, LLC	Not Applicable
Lee	Lori Murphy	PJM Interconnection, LLC	Not Applicable
Luska	Kirsten	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	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
Morelli	Lisa	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
Sanchez	Francisco	PJM Interconnection, LLC	Not Applicable
Schmitt	Jeff	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
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Swimm	Nora C.	PJM Interconnection, LLC	Not Applicable
Tribulski	Jennifer	PJM Interconnection, LLC	Not Applicable
Velasco	Cheryl	PJM Interconnection, LLC	Not Applicable
Ward	Mike	PJM Interconnection, LLC	Not Applicable
Williams	Stan	PJM Interconnection, LLC	Not Applicable

**ADMINISTRATION (9:00-9:05)**

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

**ENDORSEMENTS/APPROVALS**

**1. DRAFT MINUTES (9:05-9:10)**

Minutes of the January 22, 2015 Markets and Reliability Committee (MRC) meeting were **approved** by acclamation with no objections or abstentions.

**2. PJM MANUALS (9:10-9:40)**

- 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.
- B. Mr. Frankie Sanchez presented proposed revisions to Manual 14A: Generation and Transmission interconnection Process regarding Data Sheet addition.
- C. 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.

- D. Mr. Glen Boyle presented revisions to Manual 40: Training and Certifications Requirements developed during the annual review of the manual.
- E. Mr. David Schweizer discussed minor ministerial revisions to Manual 14D: Generator Operational Requirements which were recently issued regarding the previously endorsed revisions implementing TO Data Feed.

Following discussion, the proposed revisions in items 2.A, - 2.E were **endorsed** by acclamation with no objections or abstentions.

### **3. PJM/MISO COORDINATED TRANSACTION SCHEDULING (9:40-10:00)**

Ms. Becky Carroll will discuss the proposed PJM-MISO Coordinated Transaction Scheduling (CTS) efforts to develop an additional scheduling product. Following discussion the Committee endorsed the proposed CTS by acclamation with no objections and two abstentions.

### **FIRST READINGS**

#### **4. FTR REVISIONS (10:00-10:15)**

Mr. Tim Horger presented non-substantial FTR revisions. The committee will be asked to endorse the revisions its next meeting.

#### **5. CT LOST OPPORTUNITY COST (10:15-10:30)**

Mr. Adam Keech presented revisions to rules regarding treatment of CT Lost Opportunity Cost developed by the Energy Market Uplift Senior Task Force. The committee will be asked to endorse the revisions its next meeting.

#### **6. DEMAND RESPONSE FORECAST FOR USE IN RTEP (10:30-10:45)**

Mr. Tom Falin discussed a proposed change to demand response modeling assumptions in Load Deliverability Analysis. The committee will be asked to endorse the revisions its next meeting.

#### **7. PJM MANUALS (10:45-11:15)**

- A. Mr. Tong Zhao presented revisions to Manual 11: Energy & Ancillary Services Market Operations regarding Demand Bid Screening. The Committee will be asked to endorse the proposed revisions at its next meeting.
- B. Mr. Jeff Bastian presented proposed revisions to Manual 18: PJM Capacity Market regarding implementation of Capacity Performance. Mr. Kormos noted that an additional session would be scheduled to allow stakeholders to continue review of the proposed Manual revisions. The Committee will be asked to endorse these proposed revisions at a future meeting should the FERC accept the recent Capacity Performance related filings.

#### **8. FERC ORDER 1000 (11:15-11:30)**

Mr. Steve Herling discussed the recent FERC ruling on PJM's Order 1000 compliance filing and proposed revisions. The Committee will be asked to endorse the proposed revisions at its next meeting. The Members Committee will also be asked to approve of the proposed revisions at its next meeting.

#### **9. DEMAND RESPONSE "STOP GAP" FILING (11:30-11:45)**

Mr. Stu Bresler discussed potential impacts on the 2018/19 Base Residual Auction of the timing and potential outcomes of the pending Supreme Court action in the EPSA case.

#### **10. RELIABILITY MUST RUN CONTRACTS**



Mr. Mike Kormos discussed the PJM filing which sought the ability for PJM to enter into contracts with certain generating resources to extend their retirement dates, including the FERCs response to the filing. He indicated that PJM does not intend to pursue any additional action in this matter.

**FUTURE AGENDA ITEMS (11:45)**

No new future MRC agenda items were identified.

**FUTURE MEETINGS**

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