



DRAFT
Minutes
PJM Interconnection
Markets and Reliability Committee
The Chase Center on the Riverfront, Wilmington, DE
October 24, 2013
9:00 a.m. – 12:30 p.m.

Secretary/Chair:

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

Voting Members Present:

Last Name	First Name	Company	Sector
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Batta	Michael	Virginia Electric & Power Company	Transmission Owner
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Borgatti	Michael	Rep.'g Covanta Energy Group, Inc.	Generation Owner
Borgatti	Michael	Rep.'g Jersey Green Energy LLC	Other Supplier
Borgatti	Michael	Rep.'g RC Cape May Holdings, LLC	Generation Owner
Borgatti	Michael	Rep.'g Richland-Stryker Generation LLC	Generation Owner
Borgatti	Michael	Rep.'g York County Solid Waste and Refuse Authority	Generation Owner
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 Castlebridge Energy Group, LLC	Other Supplier
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 Occidental Power Services, Inc.	Other Supplier
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	EnergyConnect, Inc.	Other Supplier
Campbell	Bruce	Rep.'g Mid-Atlantic Power Partners	Other Supplier
Citrolo	John	Public Service Electric & Gas Company	Transmission Owner
Dudley	Janette	Demansys Energy, LLC	Other Supplier
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Evrard	David	Pennsylvania Office of Consumer Advocate	End User Customer



Fahey	Reem	Edison Mission Marketing and Trading, Inc.	Generation Owner
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Flaherty	Dale	Duquesne Light Company	Transmission Owner
Foladare	Kenneth	Iron Mountain Generation LLC	Generation Owner
Fondacci	Luis	North Carolina Electric Membership Corporation	Electric Distributor
Francis	Frank	Brookfield Energy Marketing LP	Other Supplier
Fuess	Jay	Rep.'g Diamond State Generation Partners, LLC	Generation Owner
Fuess	Jay	Rep.'g Energy Consulting Services LLC	Other Supplier
Fuess	Jay	Rep.'g Evraz Claymont Steel	Other Supplier
Fuess	Jay	Rep.'g Icetec.com, Inc.	Other Supplier
Fuess	Jay	Rep.'g Kuehne Chemical Company, Inc.	Other Supplier
Fuess	Jay	Rep.'g PBF Power Marketing LLC	Generation Owner
Gates	Kenneth	Primary Power LLC	Other Supplier
Gil	David	NextEra Energy Power Marketing, LLC	Generation Owner
Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Horstmann	John	Dayton Power and Light Company (The)	Transmission Owner
Jennings	Ken	Duke Energy Business Services LLC	Transmission Owner
Kogut	George	New York Power Authority	Other Supplier
Lieberman	Steven	Old Dominion Electric Cooperative	Electric Distributor
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Miller	Donald	FirstEnergy Solutions Corp.	Transmission Owner
Mueller	Moshe	Alpha Gas and Electric, LLC	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
Philips	Marji	Hess Corporation	Other Supplier
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
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
Schofield	William	Rep.'g American Municipal Power, Inc.	Electric Distributor
Schofield	William	Rep.'g Blue Ridge Power Agency, Inc.	Electric Distributor
Schofield	William	Rep.'g Borough of Chambersburg (DTEET)	Electric Distributor
Schofield	William	Rep.'g Buckeye Power, Inc.	Electric Distributor
Schofield	William	Rep.'g Central Virginia Electric Cooperative	Electric Distributor
Schofield	William	Rep.'g City of Dover, Delaware	Electric Distributor
Schofield	William	Rep.'g Delaware Municipal Electric Corporation	Electric Distributor
Schofield	William	Rep.'g Easton Utilities Commission	Electric Distributor
Schofield	William	Rep.'g Energy Cooperative Association of PA	Other Supplier
Schofield	William	Rep.'g Galt Power Inc.	Other Supplier
Schofield	William	Rep.'g Hagerstown Light Department	Electric Distributor
Schofield	William	Rep.'g Illinois Municipal Electric Agency	Electric Distributor



Schofield	William	Rep.'g Indiana Municipal Power Agency	Generation Owner
Schofield	William	Rep.'g Madison Gas & Electric Company	Other Supplier
Schofield	William	Rep.'g Mont Alto, PA (Borough of)	Electric Distributor
Schofield	William	Rep.'g North Carolina Municipal Power Agency # 1	Other Supplier
Schofield	William	Rep.'g Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Schofield	William	Rep.'g Thurmont, MD (Town of)	Electric Distributor
Schofield	William	Rep.'g Williamsport, MD (Town of)	Electric Distributor
Schofield	William	Rep.'g WPPI Energy	Other Supplier
Smith	Thomas	City of Cleveland, DPU, Div of Cleveland Public Pwr	Electric Distributor
Thomas-Friel	Felicia	New Jersey Div. of the Ratepayer Advocate	End User Customer
Wolfe	Samuel	Viridity Energy, Inc.	Other Supplier

Non-Voting Attendees:

Last Name	First Name	Company	Sector
Abbott	Tim	Duke Energy Business Services, Inc.	Generation Owner
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Baran	Eric	Allegheny Electric Cooperative, Inc.	Electric Distributor
Benчек	Jim	FirstEnergy Solutions Corporation	Transmission Owner
Berlinski	Mike	Beacon Power LLC	Other Supplier
Binder	Gerry	SESCO Enterprises LLC	Other Supplier
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bolan	Martin	FirstEnergy Solutions Corporation	Transmission Owner
Breidenbaugh	Aaron	EnerNOC, Inc.	Other Supplier
Burns	Will	Burns Law Firm	Not Applicable
Canter	David	AEP	Transmission Owner
Carangi	Mark	Comverge	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Carro	Dan	Dominion	Generation Owner
Criscione	Joe	Balance Power Systems	Other Supplier
De Geeter	Ralph	Public Service Commission of Maryland	Not Applicable
Dean	Evan	FirstEnergy Solutions Corporation	Transmission Owner
Denavas	Joe	Potomac Electric Power Company	Electric Distributor
Ellison	Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Erbrick	Michael	EDF Trading North America, LLC	Other Supplier
Farber	John	Delaware Public Service Commission	Not Applicable
Freeman	Allan	Michigan Public Service Commission	Not Applicable
Gabrieli	Tony	Ally Energy LLC.	Other Supplier
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Godson	Gloria	Potomac Electric Power Company	Electric Distributor
Gowrishankar	Vignesh	NRDC/FERC Project	Not Applicable
Guilbault	Louis	HQ Energy Services US	Other Supplier
Haas	Howard	Monitoring Analytics, LLC	Not Applicable
Hanson	Mark	Illinois Commerce Commission	Not Applicable
Heidorn	Richard	RTO Insider	Not Applicable
Heizer	Fred	Ohio PUC	Not Applicable



Henry	Michelle	FirstEnergy Solutions Corporation	Transmission Owner
Hitch	George	Virginia Electric and Power Company	Transmission Owner
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Huntoon	Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
Hyzinski	Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
Icart	Eric	The Federal Energy Regulatory Commission	Not Applicable
Irwin	Craig	Wedbush Securities	Not Applicable
Jett	William	Duke Energy Business Services, Inc.	Generation Owner
Josyula	Siva	Monitoring Analytics, LLC	Not Applicable
Judson-Mcqueeney	Judith	Customized Energy Solutions	Not Applicable
Kerecman	Joseph	Calpine Energy Services, L.P.	Generation Owner
Lafalce	Michael	Public Service Electric & Gas Company	Transmission Owner
Logan	Sharon	The Federal Energy Regulatory Commission	Not Applicable
Mahon	Christopher	The Federal Energy Regulatory Commission	Not Applicable
Mahoney	Julie	New York State Electric & Gas Corporation	Other Supplier
Mancuso	Marie	Baltimore Gas and Electric Company	Transmission Owner
Manning	James	North Carolina Electric Membership Corporation	Electric Distributor
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	Not Applicable
Marinelli	Richard	PSEG Energy Resources and Trade LLC	Transmission Owner
Martin	Aaron	CMS Energy Resource Company	Other Supplier
Martin	Valerie	The Federal Energy Regulatory Commission	Not Applicable
Miller	John	Commonwealth Edison Company	Transmission Owner
Mok	Alan	Duke Energy Business Services LLC	Generation Owner
Monroe	Alicia	The Federal Energy Regulatory Commission	Not Applicable
Ondayko	Brock	AEP	Transmission Owner
Owen	Kopan	Steel Producers	Not Applicable
Parker	Seth	Levitan & Associates	Not Applicable
Potter	Mark	EnerNOC, Inc.	Other Supplier
Prendergast	Mike	PSE&G	Transmission Owner
Saini	Ishwar	Macquarie Energy LLC	Other Supplier
Schafer	Anita	Duke Energy Business Services, Inc.	Generation Owner
Scott	Charles	DC Energy, L.L.C.	Other Supplier
Seiverling	Katie	Customized Energy Solutions	Not Applicable
Shah	Pulin	Exelon Business Services Company, LLC	Transmission Owner
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shelton	Chris	Millenium Power, Inc	Not Applicable
Sillin	John	The Federal Energy Regulatory Commission	Not Applicable
Singh	Harry	J. Aron & Company	Other Supplier
Sitaraman	Nicole	DC office of The Peoples Council	End-Use Customer
Smith	Travis	DC office of The Peoples Council	End-Use Customer
Snow	Robert	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
Sullivan	Meg	Duquesne Light Company	Transmission Owner
Summers	Ted	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy	Other Supplier



Trayers	Barry	Citigroup Energy Inc.	Other Supplier
Villatoro	Karen	The Federal Energy Regulatory Commission	Not Applicable
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Watson	Mark	Platts	Not Applicable
Weaver	David	PECO Energy Company	Transmission Owner
Wellborn	Samuel	FERC	Not Applicable
Wilson	James	Wilson Energy Economics	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier

PJM Attendees:

Last Name	First Name	Company	Sector
Anders	Dave	PJM Interconnection, LLC	Not Applicable
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
Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Bryson	Michael	PJM Interconnection, LLC	Not Applicable
Burlew	Sarah	PJM Interconnection, LLC	Not Applicable
Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
Dirani	Rami	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Esterly	Teri	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Falin	Thomas	PJM Interconnection, LLC	Not Applicable
Flynn	Paul	PJM Interconnection, LLC	Not Applicable
Foley	Sheila	PJM Interconnection, LLC	Not Applicable
Ford	Adrien	PJM Interconnection, LLC	Not Applicable
Foster	Denise	PJM Interconnection, LLC	Not Applicable
Glazer	Craig	PJM Interconnection, LLC	Not Applicable
Helm	Gary	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
Horning	Lynn	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hugee	Jacquelynn	PJM Interconnection, LLC	Not Applicable
Kelley	Michael	PJM Interconnection, LLC	Not Applicable
Kendall	Ross	PJM Interconnection, LLC	Not Applicable
Kormos	Michael J.	PJM Interconnection, LLC	Not Applicable
LaRocque	Matthew	PJM Interconnection, LLC	Not Applicable
Mao	Yiming	PJM Interconnection, LLC	Not Applicable



Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McLeod	Ian	PJM Interconnection, LLC	Not Applicable
McNamara	Sean	PJM Interconnection, LLC	Not Applicable
Neary	Pat	PJM Interconnection, LLC	Not Applicable
Pacella	Christopher	PJM Interconnection, LLC	Not Applicable
Pilong	Chris	PJM Interconnection, LLC	Not Applicable
Pitts	Marcus	PJM Interconnection, LLC	Not Applicable
Reiter	Heather	PJM Interconnection, LLC	Not Applicable
Rothman	Richard	PJM Interconnection, LLC	Not Applicable
Sasser	Jonathan	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
Sims	Mark	PJM Interconnection, LLC	Not Applicable
Slusser	Jeff	PJM Interconnection, LLC	Not Applicable
Sotkiewicz	Paul	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	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
Williams	Stan	PJM Interconnection, LLC	Not Applicable
Withrow	David	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. ADMINISTRATION (9:05-9:10)

Minutes of the September 26, 2013 Markets and Reliability Committee (MRC) meeting were **approved** by acclamation with no objections or abstentions.

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

- A. Ms. Reiter reviewed changes to Manual 03: Transmission Operations.
- B. Mr. Schweizer reviewed changes to Manual 10: Pre-Scheduling Operations.
- C. Mr. Schweizer reviewed changes to Manual 14D: Generator Operational Requirements.
- D. Mr. Sims reviewed draft changes to PJM's Manual 14B regarding the 2 year planning representation of the short circuit base case.

Following discussion, items 2.A – D were **endorsed** by acclamation with no objections or abstentions.

3. GAS/ELECTRIC SENIOR TASK FORCE (GESTF) (9:40-10:10)



Mr. McNamara discussed the activities of the GESTF and presented a proposed Problem Statement/Issue Charge related to issues identified by the GESTF. He noted that the Charge previously assigned to the GESTF required the GESTF to investigate the subject and propose new Problem Statements for specific work tasks. Following discussion, the committee approved the proposed Problem Statement/Issue Charge by acclamation with no objections and one abstention, and the issue was assigned to the GESTF.

4. 2013 IRM STUDY (10:10-10:30)

Mr. Falin will review the results of the 2013 IRM Study. Following discussion, the committee endorsed the updated IRM, FPR and DR Factor for 2014/15, 2015/16, 2016/17 and 2017/18 delivery years by acclamation with one objections and two abstentions.

FIRST READINGS

5. MAXIMUM IMPORT LEVEL (10:30-11:00)

Mr. Sims presented Maximum Capacity Import Level and implementation of an RTO import limit in RPM planning parameters. He discussed development of the calculation methodology, development of a whole RTO and directional limits. The committee will be asked to endorse associated proposed Tariff revisions at its meeting scheduled for November 14, 2013.

6. CLEARING OF LIMITED DEMAND RESPONSE (DR) RESOURCES (11:00-11:30)

Mr. Baker reviewed the several alternative proposals and the results of voting at the Capacity Senior Task Force, indicating that "Package A" had received 74% support and would be the main motion at the MRC. He also presented proposed Tariff and Reliability Assurance Agreement (RAA) revisions regarding clearing of Limited DR in the RPM auctions. The committee will be asked to endorse a proposal at its meeting scheduled for November 14, 2013.

7. MEMBERS COMMUNICATION (11:30-11:45)

This item was deferred to a future meeting.

8. PJM MANUALS (11:45-12:15)

- A. Mr. Schmitt presented proposed revisions to Manual 15: Cost Development Guidelines. The committee will be asked to endorse the revisions at its next meeting.
- B. Mr. Pacella presented proposed updates to the Regional Practices Document to merge the document with Manual 41: Managing Interchange Regional Practices and subsequently retiring Manual 41. The committee will be asked to endorse the revisions at its next meeting.
- C. Mr. Pilog reviewed changes to Manual 13: Emergency Procedures. The committee will be asked to endorse the revisions at its next meeting.
- D. Mr. Hsia reviewed the yearly day-ahead reserve requirements revisions to Manual 13: Emergency Procedures. The committee will be asked to endorse the revisions at its next meeting.
- E. Ms. Esterly presented proposed revisions to Manual 18: PJM Capacity Market. The committee will be asked to endorse the revisions at its next meeting.
- F. Mr. McGlynn reviewed draft changes to PJM Manual 14B: PJM Region Transmission Planning Process regarding how PJM employs commercial probability for interconnection studies. The committee will be asked to endorse the revisions at its next meeting.
- G. Mr. McGlynn reviewed draft changes to PJM Manual 14A: Generation and Transmission Interconnection Process regarding the implementation of Joint Common Markets initiatives. The committee will be asked to endorse the revisions at its next meeting.
- H. Mr. McGlynn reviewed draft changes to PJM Manual 14A: Generation and Transmission Interconnection Process



Attachment B regarding cost allocation to new service customers. The committee will be asked to endorse the revisions at its next meeting.

- I. Mr. Schmitt reviewed conforming changes to Manual 28: Operating Agreement Accounting needed to support FERC's final Order on Performance Based Regulation. He noted that per the FERC Order, these changes are retroactively effective to the Performance Based Regulation implementation date of October 1, 2012.

FUTURE AGENDA ITEMS (12:15)

Mr. Kormos noted that a special MRC meeting had been scheduled for November 14, 2013 for the purpose of voting on several RPM related proposed issues.

FUTURE MEETINGS

November 14, 2013	9:00 AM	Wilmington, DE
November 21, 2013	9:00 AM	Wilmington, DE
December 19, 2013	9:00 AM	Wilmington, DE
January 30, 2014	9:00 AM	Wilmington, DE
February 27, 2014	9:00 AM	Wilmington, DE
March 27, 2014	9:00 AM	Wilmington, DE
April 24, 2014	9:00 AM	Wilmington, DE
May 29, 2014	9:00 AM	Wilmington, DE
June 26, 2014	9:00 AM	Wilmington, DE
July 31, 2014	9:00 AM	Wilmington, DE
August 28, 2014	9:00 AM	Wilmington, DE
September 18, 2014	9:00 AM	Wilmington, DE
October 30, 2014	9:00 AM	Wilmington, DE
November 20, 2014	9:00 AM	Wilmington, DE
December 18, 2014	9:00 AM	Wilmington, DE

Author: D.A. Anders
DMS Document Number: 770211, v1