



DRAFT
Minutes
PJM Interconnection
Markets and Reliability Committee
The Chase Center on the Riverfront, Wilmington, DE
December 19, 2013
9:00 a.m. – 2:30 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
Bassett	Jeffrey	BP Energy Company	Other Supplier
Benchek	Jim	FirstEnergy Solutions Corp.	Transmission 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 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	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
Evrard	David	Pennsylvania Office of Consumer Advocate	End User Customer
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
Gill	Richard	UGI Utilities, Inc.	Transmission 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 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 West Virginia Consumer Advocate Division	End User Customer
Hastings	David	Rep.'g Mercuria Energy America, Inc.	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
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 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
Kester	Erin	IBERDROLA RENEWABLES, LLC	Generation Owner
Kogut	George	New York Power Authority	Other Supplier
Levine	Jeffrey	GDF SUEZ Energy Marketing NA, Inc.	Other Supplier
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
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
Pratzen	David	Rep.'g Calpine Energy Services, L.P.	Generation Owner
Pratzen	David	Rep.'g Liberty Electric Power, LLC	Generation Owner
Quinlan	Pamela	Rockland Electric Company	Transmission Owner
Rainey	Frank	PEI Power Corporation	Generation Owner
Riding	MO	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
Sitaraman	Nicole	Ofc... People's Counsel ... District of Columbia	End User Customer
Slade	Louis	Virginia Electric & Power Company	Transmission Owner
Wolfe	Samuel	Viridity Energy, Inc.	Other Supplier

Non-Voting Attendees:

Last Name	First Name	Company	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Baran	Eric	Allegheny Electric Cooperative, Inc.	Transmission Owner
Batta	Michael	Virginia Electric and Power Company	Transmission Owner
Bleiweis	Bruce	DC Energy, L.L.C.	Other Supplier
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bolan	Martin	FirstEnergy Solutions Corporation	Transmission Owner
Bonanni	John	Delaware Public Service Commission	Not Applicable
Bowring	Joseph	Monitoring Analytics, LLC	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Czigler	Frank	PSEG Energy Resources and Trade LLC	Transmission Owner
Durand	Janine	H-P Energy Resources LLC	Other Supplier
Ellison	Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Feldman	Brett	Navigant	Not Applicable
Freeman	Allan	Michigan Public Service Commission	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Godson	Gloria	Potomac Electric Power Company	Electric Distributor
Haskins	Linda	Dominion Resources	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
Huntoon	Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
Hyzinski	Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
Jwanier	David	RTO Insider	Not Applicable
Kerecman	Joseph	Calpine Energy Services, L.P.	Generation Owner
King	Alan	PBF Power Marketing LLC	Generation Owner
Lacy	Catherine	Dominion Resources	Not Applicable
Lafalce	Michael	Public Service Electric & Gas Company	Transmission Owner
Logan	Sharon	The Federal Energy Regulatory Commission	Not Applicable



Ma	Alex	Invenergy LLC	Generation Owner
Mancuso	Marie	Baltimore Gas and Electric Company	Transmission Owner
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	Not Applicable
Martin	Valerie	The Federal Energy Regulatory Commission	Not Applicable
Marzewski	Skyler	Monitoring Analytics, LLC	Not Applicable
McNally	Stephen	Lipa	Other Supplier
Miller	Don C.	FirstEnergy Solutions Corporation	Transmission Owner
Ondayko	Brock	AEP	Transmission Owner
Patrylo	Bob	H-P Energy Resources LLC	Other Supplier
Patty	Sandra	MD DNR	Not Applicable
Paul	Patterson	Glenrock Associates	Not Applicable
Prica	Marija	National Energy Technology Lab	Not Applicable
Rajan	Abhijit	Dominion Resources	Not Applicable
Reilly	Griffin	Rockland Electric Company	Transmission Owner
Rohrbach	John	Aces Power Marketing	Not Applicable
Rolashevich	Pete	Federal Energy Regulatory Commission	Not Applicable
Schum	Alice	Illinois Municipal Electric Agency	Electric Distributor
Scoglietti	Barbara	Tangent Energy Solutions	Other Supplier
Scott	Mark	Customized Energy Solutions, Ltd.*	Not Applicable
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
Silverstein	Kent	RTO Insider	Not Applicable
Sock	Bryan	PSEG Energy Resources and Trade LLC	Transmission Owner
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
Summers	Ted	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy	Other Supplier
Watson	Mark	Platts	Not Applicable
Weaver	David	PECO Energy Company	Transmission Owner
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
Bratspis	David	PJM Interconnection, LLC	Not Applicable
Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Burlew	Sarah	PJM Interconnection, LLC	Not Applicable
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
DeLoach	Ron	PJM Interconnection, LLC	Not Applicable
Dirani	Rami	PJM Interconnection, LLC	Not Applicable
Egan	Dave	PJM Interconnection, LLC	Not Applicable



Ford	Adrien	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
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
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
LaRocque	Matthew	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McLavery	Megan	PJM Interconnection, LLC	Not Applicable
McNamara	Sean	PJM Interconnection, LLC	Not Applicable
Ott	Andrew L.	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
Snyder	Sue	PJM Interconnection, LLC	Not Applicable
Sotkiewicz	Paul	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Tribulski	Jennifer	PJM Interconnection, LLC	Not Applicable
Walter	Laura	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.

1. REPLACEMENT CAPACITY (9:05-9:10)

Mr. Ott discussed the timing for the completion of the stakeholder process on this issue, including PJM's recommendation that stakeholders target a FERC filing related to this issue for March, 2014. This would require consideration by the Members Committee in February, and may require additional special Markets and Reliability Committee meetings. He also indicated that absent stakeholder consensus on a proposed resolution to this issue, PJM staff would likely recommend to the Board of Managers that it file a proposed solution with the FERC in the March 2014 timeframe.

ENDORSEMENTS/APPROVALS

2. DRAFT MINUTES (9:10-9:15)

Minutes of the November 21, 2013 Markets and Reliability Committee (MRC) meeting were **approved** by acclamation with no objections or abstentions.



3. PJM MANUALS (9:15-9:30)

- A. Mr. Deloach reviewed proposed revisions to Manual 03A: Energy Management System (EMS) Model Updates and Quality Assurance (QA).
 - B. Mr. McGlynn reviewed draft changes to PJM Manual 14A: Generation and Transmission Interconnection Process regarding the implementation of Joint Common Markets initiatives.
 - C. Ms. Suzanne Coyne, PJM, presented proposed revisions to Manual 28: Operating Agreement Accounting
- Following discussion, items 2.A – C were **endorsed** by acclamation with no objections and one abstention.

4. ENERGY MARKET UPLIFT SENIOR TASK FORCE (EMUSTF) (9:30-9:40)

Mr. Anders presented proposed revisions to the EMUSTF charter to incorporate the scope presently included in the Day Ahead Reserve and Reactive Cost Allocation issue. Following discussion, the motion was **approved** by acclamation with no objections and three abstentions.

FIRST READINGS

5. QTU DEFICIENCY CHARGE AND CREDIT RATE (9:40-9:55)

Ms. Durand, representing H-P Energy, presented a proposed Problem Statement / Issue Charge related to QTU Deficiency Charge and Credit Rate. The committee will be asked to approve the proposed Problem Statement / Issue Charge at its next meeting.

6. GESTF PROBLEM STATEMENT AND CHARTER REVISION (9:55-10:10)

Mr. McNamara presented a proposed amended Problem Statement / Issue Charge and proposed GESTF Charter revision related to sharing of information between gas pipeline providers and electric transmission providers. The committee will be asked to approve the proposed Problem Statement / Issue Charge and Charter revision at its next meeting.

7. PROPOSED DEMAND RESPONSE PRODUCT SUBSTITUTION CLARIFICATION (10:10-10:30)

Mr. Langbein presented proposed manual revisions to 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 revisions at its next meeting.

8. EXPORT CREDIT REQUIREMENTS (10:30-11:00)

Ms. Daugherty presented an informational update on the export credit requirement issue. She discussed the evaluation of export credit requirements vis-a-vis credit requirements for the new Coordinated Transaction Schedule product, and that proposed Tariff revisions to harmonize these credit requirements would be developed for stakeholder consideration.

9. DATA MINER APPLICATION (11:00-11:15)

Mr. Bresler provided an informational presentation regarding the new Data Miner application. He indicated that the application was to be launched on December 19, 2013, and that additional data types would be added at stakeholder request.

10. ENVIRONMENTAL REGULATIONS IMPACTS – GENERATION OUTAGES (11:15-11:40)

Mr. Schweizer provided an update on generation outages related to Environmental Regulations Impacts. He discussed the status of affected units' planned upgrades and retirements, and the impact of associated planned generation outages on reserve targets in 2014 and 2015.



11. PJM MANUALS (11:40-12:00)

- A. This item was previously endorsed.
- B. Mr. McGlynn presented proposed revisions to Manual 14B: PJM Region Transmission Planning Process related to the capacity import limit calculation. The committee will be asked to endorse these changes at its next meeting.
- C. Mr. Bresler reviewed conforming changes to Manual 11: Energy & Ancillary Services Market Operations needed to support FERC's final Order on Performance Based Regulation regarding the mileage ratio replacing the marginal benefits factor.

FUTURE AGENDA ITEMS (12:00)

No additional Future Agenda item were identified.

FUTURE MEETINGS

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: 776485, v1