



DRAFT
Minutes
PJM Interconnection
Markets and Reliability Committee
The Chase Center on the Riverfront, Wilmington, DE
April 26, 2012
9:00 a.m. – 12:45 p.m.

Chair/Secretary:

Anders	Dave	PJM Interconnection, LLC	Not Applicable
Kormos	Michael J.	PJM Interconnection, LLC	Not Applicable

Voting Members Present:

Last Name	First Name	Company	Sector
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Bradley-Bey	Lawander	SunCoke Energy, Inc.	Generation Owner
Breidenbaugh	Aaron	EnerNOC, Inc.	Other Supplier
Bruce	Susan	Rep.'g Air Liquide Industrial U.S., LP	End-Use Customer
Bruce	Susan	Rep.'g Air Products & Chemicals, Inc.	End-Use 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-Use Customer
Bruce	Susan	Rep.'g Letterkenny Industrial Development Authority	Electric Distributor
Bruce	Susan	Rep.'g Linde LLC	End-Use Customer
Bruce	Susan	Rep.'g MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Rep.'g Praxair, Inc.	End-Use Customer
Bruce	Susan	Rep.'g Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Rep.'g RG Steel Sparrows Point, LLC	End-Use Customer
Bruce	Susan	Rep.'g Sunoco, Inc. (R&M)	End-Use Customer
Bruce	Susan	Rep.'g Trustees of the U of PA, dba University of Pennsylvania	End-Use Customer
Bruce	Susan	Rep.'g Wellsboro Electric Company (pre-2008)	Electric Distributor
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Citrolo	John	Public Service Electric & Gas Company	Transmission Owner
Consoli	Dannine	Energy Curtailment Specialists, Inc.	Other Supplier
Cox	Jason	Dynegy Marketing & Trade, LLC	Generation Owner
Erbrick	Michael	EDF Trading North America, LLC	Other Supplier
Esposito	Patricia	NRG Power Marketing LLC	Generation Owner
Fahey	Reem	Edison Mission Marketing and Trading, Inc.	Generation Owner
Fitch	Neal	GenOn Energy Management, LLC	Generation Owner
Flaherty	Dale	Duquesne Light Company	Transmission Owner
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 Ictec.com, Inc.	Other Supplier
Fuess	Jay	Rep.'g Kuehne Chemical Company, Inc.	Other Supplier
Fuess	Jay	Rep.'g PBF Power Marketing LLC	Generation Owner
Garg	Rishi	Office of the People's Counsel for the District of Columbia	End-Use Customer
Gil	David	NextEra Energy Power Marketing, LLC	Generation Owner
Gill	Richard	UGI Utilities, Inc.	Transmission Owner
Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Griffiths	Dan	Enerwise Global Technologies, Inc.	Other Supplier
Guerry	Katie	Hess Corporation	Other Supplier
Hebert	Damase	Rep.'g Covanta Energy Group, Inc.	Generation Owner
Hebert	Damase	Rep.'g EP Rock Springs, Inc.	Transmission Owner
Hebert	Damase	Rep.'g Jersey Green Energy LLC	Other Supplier
Hebert	Damase	Rep.'g RC Cape May Holdings, LLC	Generation Owner
Horstmann	John	Dayton Power and Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company (AEP Generation)	Transmission Owner
Huis	Diane	North Carolina Electric Membership Corporation	Electric Distributor
Jennings	Ken	Duke Energy Business Services LLC	Generation Owner
Jeremko	Steve	IBERDROLA RENEWABLES, LLC	Generation Owner
Johnson	Carl	Long Island Lighting Company d/b/a LIPA	Other Supplier
Lieberman	Steven	Old Dominion Electric Cooperative	Electric Distributor
Miller	Donald	FirstEnergy Solutions Corp.	Transmission Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'Connell	Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Owens	George	Downes Associates, Inc.	Other Supplier
Owens	George	Rep.'g Mont Alto, PA (Borough of)	Electric Distributor
Owens	George	Rep.'g Thurmont, MD (Town of)	Electric Distributor
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pratzon	David	PECO Energy Company	Transmission Owner
Quinlan	Pamela	Rockland Electric Company	Transmission Owner
Rohrbach	John	Rep.'g Southern Maryland Electric Cooperative	Electric Distributor
Rohrbach	John	Rep.'g Wabash Valley Power Association, Inc.	Other Supplier
Scarpignato	David	Direct Energy Business, LLC	Other Supplier
Schofield	William	Rep.'g Allegheny Electric Cooperative, Inc.	Transmission Owner
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 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 Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Schofield	William	Rep.'g Williamsport, MD (Town of)	Electric Distributor



Schofield	William	Rep.'g WPPI Energy	Other Supplier
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Summers	Jim	Potomac Electric Power Company	Electric Distributor
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Wadsworth	Joe	Vitol Inc.	Other Supplier

Non-Voting Attendees:

Last Name	First Name	Company	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Applebaum	David	NextEra Energy Power Marketing, LLC	Generation Owner
Biden	Douglas	Electric Power Generation Association	Not Applicable
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bowring	Joseph	Monitoring Analytics, LLC	Not Applicable
Burner	Bob	Duke Energy Business Services, Inc.	Generation Owner
Canter	David	AEP	Transmission Owner
Clover	Bernita	Duquesne Light Company	Transmission Owner
De Geeter	Ralph	Public Service Commission of Maryland	Not Applicable
Ellis	Jeff	Edison Mission Marketing & Trading, Inc.	Generation Owner
Everngam	Scott	The Federal Energy Regulatory Commission	Not Applicable
Evrard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Fernandes	John	Baltimore Gas and Electric Company	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Gaston	Vilna	Public Service Electric & Gas Company	Transmission Owner
Hanson	Mark	Illinois Commerce Commission	Not Applicable
Hastings	David	DhastCo,LLC	Not Applicable
Hawkins	Rosaria	Take Charge Consultants, Inc.	Not Applicable
Heimbach	Mark	PPL Energy Plus, LLC	Transmission Owner
Heizer	Fred	Ohio PUC	Not Applicable
Hitch	George	Virginia Electric and Power Company	Transmission Owner
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Howatt	Robert	Maryland Energy Administration	Not Applicable
Huntoon	Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
Hyzinski	Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
Jain	Adarsh	ConEdison Energy Inc.	Other Supplier
Kafka	Richard	Axum Energy Centers	Not Applicable
Kaplan	Jeff	Take Charge Consultants, Inc.	Not Applicable
Keefer	Brian	Dominion Energy Marketing, Inc.	Generation Owner
Kimmel	Elizabeth	Kimmel Energy Associates	Not Applicable
Kufflik	Jennifer	Exelon Generation Co., LLC	Transmission Owner
Lindeman	Tony	FirstEnergy Solutions Corporation	Transmission Owner
Logan	Sharon	The Federal Energy Regulatory Commission	Not Applicable
Mancuso	Marie	Baltimore Gas and Electric Company	Transmission Owner
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	Valerie	The Federal Energy Regulatory Commission	Not Applicable
McDonald	Steve	Customized Energy Solutions, Ltd.*	Not Applicable
McNamara	Grace	Louis Dreyfus Energy Services, L.P.	Other Supplier



Merola	Becky	Noble Americas Energy Solutions LLC	Other Supplier
Miller	John	Commonwealth Edison Company	Transmission Owner
Ondayko	Brock	AEP	Transmission Owner
Patrylo	Bob	H-P Energy Resources LLC	Other Supplier
Patt	Dan	Alstom Grid	Not Applicable
Patty	Sandra	MD DNR	Not Applicable
Perrotti	Frank	New Jersey Board of Public Utilities	Not Applicable
Piasek	Thomas	Primary Power LLC	Other Supplier
Rajan	Abhijit	Dominion Resources	Not Applicable
Riding	MQ	NAEA Ocean Peaking Power, LLC	Generation Owner
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sifton	Brian	Black and Veatch	Not Applicable
Sillin	John	The Federal Energy Regulatory Commission	Not Applicable
Snow	Robert	The Federal Energy Regulatory Commission	Not Applicable
Stadlmeyer	Rebecca	Exelon Generation Co., LLC	Transmission Owner
Stuchell	Jeff	FirstEnergy Solutions Corporation	Transmission Owner
Swalwell	Brad	Tangent Energy	Other Supplier
Tatum	Ed	Old Dominion Electric Cooperative	Electric Distributor
Terelmes	Steve	Ameren Energy Marketing Company	Other Supplier
Tigue	John	New York State Electric & Gas Corporation	Other Supplier
Villettero	Karen	The Federal Energy Regulatory Commission	Not Applicable
Warihay	Filomena	Take Charge Consultants, Inc.	Not Applicable
Weaver	David	PECO Energy Company	Transmission Owner
Weber	Sharon	PPL EnergyPlus, L.L.C.	Transmission Owner
Wilson	James	Wilson Energy Economics	Not Applicable

PJM Attendees:

Last Name	First Name	Company	Sector
Anders	Dave	PJM Interconnection, LLC	Not Applicable
Berner	Aaron	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	Jim	PJM Interconnection, LLC	Not Applicable
Burlew	Sarah	PJM Interconnection, LLC	Not Applicable
Callaghan	Christopher	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
Dillon	Lisa	PJM Interconnection, LLC	Not Applicable
Duane	Vince	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Eichorn	Sarah	PJM Interconnection, LLC	Not Applicable
Elmy	Alan	PJM Interconnection, LLC	Not Applicable
Ennis	Brad	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Falin	Thomas	PJM Interconnection, LLC	Not Applicable
Foley	Pauline	PJM Interconnection, LLC	Not Applicable



Foley	Sheila	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Hislop	David	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
Kendall	Ross	PJM Interconnection, LLC	Not Applicable
Kormos	Michael J.	PJM Interconnection, LLC	Not Applicable
Kovler	Ed	PJM Interconnection, LLC	Not Applicable
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
Mayben	William	PJM Board of Managers	Not Applicable
McLeod	Ian	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McNamara	Sean	PJM Interconnection, LLC	Not Applicable
Ogburn	Ruston	PJM Interconnection, LLC	Not Applicable
O'Brien	Tom	PJM Interconnection, LLC	Not Applicable
Ott	Andrew L.	PJM Interconnection, LLC	Not Applicable
Rushing	Joe	PJM Interconnection, LLC	Not Applicable
Sanda	Julia	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
Sotkiewicz	Paul	PJM Interconnection, LLC	Not Applicable
Souder	Dave	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
Ulmer	David	PJM Interconnection, LLC	Not Applicable
Wallin	Donald	PJM Interconnection, LLC	Not Applicable
Walter	Laura	PJM Interconnection, LLC	Not Applicable
Weiss	Glenn	PJM Interconnection, LLC	Not Applicable
Withrow	David	PJM Interconnection, LLC	Not Applicable

ADMINISTRATION

Mr. Anders welcomed and reminded participants of Anti-trust and Code of Conduct requirements.

ENDORSEMENTS/APPROVALS

1. ADMINISTRATION

Minutes of the April 13, 2012 Markets and Reliability Committee (MRC) meeting were **approved** by acclamation with no objections or abstentions.

2. PJM MANUALS

- A. Mr. Bryson presented proposed revisions to Manual 1 – Control Center and Data Exchange Requirements due to implementation of AC2 and other cleanup revisions.
- B. Mr. Sims presented a proposal regarding the amount of generation scaled by the PJM Generation Deliverability



Test and associated draft revisions to Manual 14B – PJM Region Transmission Planning Process.

- C. Mr. Hislop presented revisions to Manual 3 – Transmission Operations.
- D. Mr. Wallin present proposed revisions to Manual 40 – Certification and Training Requirements.
- E. Mr. Hsia and Mr. Schweizer presented proposed revisions to Manuals 14 – Generator Operational Requirements and Manual 28 – Operating Agreement Accounting related to implementation of the previously endorsed Wind Lost Opportunity Cost provisions.

Following discussion, the MRC **endorsed** the proposed revisions in items 2A-E by acclamation with one objection to item 2B, one objection to 2E, and eight abstentions to item 2B.

3. RPM RELATED ISSUES

- A. Ms. Burlew presented the proposed Charter for the Capacity Senior Task Force. Following discussion, the MRC **approved** the proposed Charter by acclamation with no objections and one abstention.
- B. Mr. Anders discussed proposed problem statements/charges related to longer-term RPM associated issues submitted by stakeholders for consideration in future stakeholder process activities. He reviewed the discussions on these topics at the April 13, 212 MRC meeting, and noted that there appeared to be consensus not to proceed with the Report & Energy Market Obligation topic. Therefore three proposed problem statements/charges were proposed for approval by the MRC related to the Transmission/RTEP, Demand Response, and Other – Review Timing categories. Members discussed minor revisions to the Transmission/RTEP, and Other – Review Timing problem statements/charges made in response to the comments at the last MRC meeting. A friendly amendment was made without objection to the Transmission/RTEP document to clarify that line items 39 and 72 pertain to the transmission model with respect to inputs to RPM, and not to its application to the RTEP. Following discussion, the Transmission/RTEP problem statements/charge was **approved** by acclamation with one objection and one abstention. The Other – Review Timing problem statements/charge was **approved** by acclamation with one objection and one abstention. There was robust discussion regarding the Expected Overall Duration of Work section of the Demand Response problem statements/charge. Further discussion and action on the Demand Response problem statements/charge was deferred to the next MRC meeting. An additional conference call will be scheduled to provide opportunity for continued dialogue.

4. MICHIGAN-ONTARIO PAR COST ALLOCATION

Ms. P. Foley presented a proposed new Tariff Schedule 10 entitled “Michigan – Ontario Interface (ITC PARs Charge)” in order to collect charges associated with the ITC PARs. She discussed the FERC action initiating this proposal, including PJM’s request for rehearing of the FERC’s order in this matter. Additionally she discussed the rationale for the cost allocation, that the charges would be subject to refund and that the filing cover letter would note that this proposed Tariff revision should not be considered precedential. Following discussion, the proposed revision was **endorsed** by acclamation with three objections and 36 abstentions.

FIRST READINGS

1. PJM MANUALS

- A. Ms. Daugherty presented proposed revisions to Manual 29 – Billing. The committee will be asked to endorse these revisions at its next meeting.
- B. Mr. Elmy reviewed proposed changes to Manual 14A - Generation and Transmission Interconnection Process regarding the interconnection process as required by the IPSTF.
- C. Mr. Elmy reviewed proposed changes to Manuals 14A - Generation and Transmission Interconnection Process and 14C - Generation and Transmission Interconnection Facility Construction to better align the manual language with the PJM Tariff.
- D. Mr. Ogburn presented proposed manual language for Manual 11 – Energy and Ancillary Services Market Operations §3.2 PJM Regulation Market Business Rules describing what the energy limited ramp rate is and how it will be applied.



2. INTERCONNECTION PROCESS SENIOR TASK FORCE

Mr. Berner presented proposed Tariff Revisions prepared by the Interconnection Process Senior Task Force related to Timing of Transmission Owners Executing Interconnection Agreements, Alternate Queue study timing, a requirement for PJM to provide the transmission owners with agreements when tendered to the customers and small generator study deposit changes. The committee will be asked to endorse these proposed revisions at its next meeting. Ms. Guerry expressed a desire to open a discussion of the broad topic of Capacity Injection Rights (CIRs). Mr. Kormos indicated that PJM would provide to the MC Webinar at its next meeting background information concerning the CIRs.

3. DATA COMMUNICATIONS SERVICES COST ALLOCATION

Mr. Kovler presented a proposed problem statement/charge regarding cost allocation for data communications services between generation/demand response resources and PJM. The committee will be asked to endorse/approve the proposed problem statement/charge at its next meeting.

4. QUALITY PROJECT PROCESS IMPROVEMENTS

Mr. Ott, Dr. Bowring and the Members discussed proposed revisions to Tariff Attachment M identified through PJM's Quality Project related to process improvements in the flow of information between Members, the Independent Market Monitor and PJM. The committee may be asked to endorse proposed revisions at its next meeting.

5. PJM-MISO SEAMS ISSUES

Mr. Ott discussed potential paths forward regarding seams issues with MISO. He noted the several pertinent operational, capacity and planning seams issues, previous discussion and stakeholder activities related to these issues, and assertions of the MISO. He discussed PJM's proposal that a series of joint PJM/MISO stakeholder meetings be developed in which stakeholders, PJM and MISO could jointly explore the issues raised, determine priorities and begin to develop ways to address the issues.

6. FERC ORDER 1000 TRANSMISSION UPGRADE COST ALLOCATION

Mr. Kormos discussed Transmission Owners' plans in response to FERC's Order 1000 requirements regarding Transmission Upgrade Cost Allocation. He described the Transmission Owners' activities in developing a proposal, and noted that if they are not able to reach consensus on a proposal then the Regional Planning Process Task Force will begin stakeholder process activities on this issue at its May 21, 2012 meeting.

FUTURE AGENDA ITEMS

FUTURE MEETINGS

June 28, 2012	9:00 AM	Wilmington, DE
July 26, 2012	9:00 AM	Wilmington, DE
August 23, 2012	9:00 AM	Wilmington, DE
September 27, 2012	9:00 AM	Wilmington, DE
October 25, 2012	9:00 AM	Wilmington, DE
November 29, 2012	9:00 AM	Wilmington, DE
December 20, 2012	9:00 AM	Wilmington, DE

Author: D.A. Anders
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