



DRAFT MEETING MINUTES

PJM Interconnection

Energy/Reserve Pricing & Interchange Volatility MIC Special Session

PJM Conference and Training Center / WebEx

February 6, 2014 (1:00pm – 4:00pm)

In-Person Participants:

Last Name	First Name	Company Name	Sector
Anders	David	PJM Interconnection	Not Applicable
Blair	Tom	Monitoring Analytics	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Ciabattoni	Joe	PJM Interconnection	Not Applicable
Dugan	Bill	Customized Energy Solutions, Inc.	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Gresh	Kevin	PJM Interconnection	Not Applicable
Jennings	Kenneth	Duke Energy Commercial Asset Management (CGE)	None
Keech	Adam	PJM Interconnection	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Morelli	Lisa	PJM Interconnection	Not Applicable
Pacella	Chris	PJM Interconnection	Not Applicable
Souder	Rich	PJM Interconnection	Not Applicable
Velasco	Cheryl Mae	PJM Interconnection	Not Applicable
Wharton	Matthew	PJM Interconnection	Not Applicable

Teleconference Participants:

Last Name	First Name	Company Name	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Avallone	Ethan	New York ISO	
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Berger (ES)	Ken	Dominion Virginia Power	None



Birnel	William	Westar Energy, Inc. (ED)	
Bleiweis	Bruce	DC Energy LLC	Other Supplier
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bolan	Martin	FirstEnergy Corporation	
Borgatti	Michael	PJM Committee Voting Generic Account	None
Boyle	Glen	PJM Interconnection	
Brodbeck	John	Potomac Electric Power Company	Electric Distributor
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Canter	David	Appalachian Power Company (AEP Generation)	Transmission Owner
Carro (ES)	Dan	Dominion Virginia Power	None
Citrolo	John	PSEG Energy Resources and Trade LLC	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Edstrom	Zac	Cargill Power Markets LLC	Other Supplier
Farber	John	DE Public Service Commission	
Fazio	Danielle	BTG Pactual Commodities (US) LLC	Other Supplier
Filomena	Guy	Other	
Fitch	Neal	GenOn Energy Management, LLC (RESI)	None
Flaherty	Dale	Duquesne Light Company	Transmission Owner
Freeman	Al	MI Public Service Commission	
Frelich	Jessica	Integrus Energy Services, Inc. (BGS)	
Fuess	James	PBF Power Marketing LLC	Generation Owner
Gell	Richard	Ontario Power Generation Inc.	Other Supplier
Gondek	John	PSEG Energy Resources and Trade LLC	Transmission Owner
Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Haney	Kara	Champion Energy Services, LLC	Other Supplier
Haynes	Greg	Energy Authority, Inc. (The)	Other Supplier
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Holland	Risa	PJM Interconnection	
Horning	Lynn Marie	PJM Interconnection	
Horstmann	John	PJM Connect	
Hubbard	Lance	Allegheny Electric Cooperative, Inc.	Electric Distributor



Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski	Tom	PPL EnergyPlus, L.L.C.	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Inc.	None
Jostworth	Kimberly	RBC Energy Services LP	Other Supplier
Josyula	Siva	Monitoring Analytics	
Kazerooni	Hamid	PPL EnergyPlus, L.L.C.	Transmission Owner
La Falce	Michael	PSEG Energy Resources and Trade LLC	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Mancuso	Maria	Baltimore Gas and Electric Company	Transmission Owner
Manek	Sameer	DC Energy Mid-Atlantic, LLC	Other Supplier
Mariam	Yohannes	DC Public Service Commission	None
Marton	David	FirstEnergy Corporation	
Mok	Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Norman	Jason	Tennessee Valley Authority	Other Supplier
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'Connell	Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Ondayko	Brock	AEP Energy Partners, Inc.	Other Supplier
Patten	Kevin	AEP Energy Partners, Inc. (AEP Gen Resources)	None
Peoples	John	Duquesne Light Company	Transmission Owner
Philips	Marji	PJM Committee Voting Generic Account	None
Plante	Matthieu	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Pratzon	David	Other	
Ramsey	Todd	DC Energy LLC	Other Supplier
Robson	Matt	SESCO Enterprises LLC	Other Supplier
Rohrbach	John	Other	
Sidhom	Noha	Inertia Power I, LLC	Other Supplier
Singh	Harry	J. Aron & Company (Real-Time Transacting)	
Slade Jr. (ES-vapwr)	Louis	Dominion Virginia Power	None
Snow	Robert	Federal Energy Regulatory Commission	
Snyder	Sue	PJM Interconnection	
Stadelmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Sudhakara	Raghu	Rockland Electric Company (CIEP Load)	



Summers	Theodore	PSEG Energy Resources and Trade LLC	Transmission Owner
Terry	Jonathan	Allegheny Electric Cooperative, Inc.	Electric Distributor
tigue	john	New York State Electric & Gas Corporation	Other Supplier
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Wadsworth	Joseph	Vitol Inc.	Other Supplier
Walter	Laura	PJM Interconnection	
Weghorst (pplep)	Bradley	PPL EnergyPlus, L.L.C.	Transmission Owner
Wellborn	Sam	Division of the Public Advocate of State of Delaware	End User Customer
Wetzel	Ray	Exelon Generation Co., LLC (Power Team)	Generation Owner
Williams	Stanley	PJM Interconnection	
Xenopoulos	Damon	Other	

1. Administration

Ms. Lisa Morelli called the meeting to order and welcomed stakeholders. Ms. Cheryl Mae Velasco reviewed the draft meeting minutes from the 1/15 ERPIV meeting. The draft minutes were approved. Ms. Velasco reviewed the open action items and made mention that all items were to be addressed at the meeting. Ms. Morelli called attention to the Anti-trust and Code of Conduct statements.

2. Review Workplan

Ms. Morelli reviewed the draft workplan with the changes requested from the first meeting. No additional requests for changes were made.

3. Education

- a. Mr. Chris Pacella, at the request of stakeholders from the first meeting, presented interchange volatility as seen on January 7, 2014.
- b. Mr. Adam Keech reviewed the recently filed DR changes, discussing how these changes will impact future operations decisions. Emphasis was made on pre-emergency versus emergency DR and when those products would be called.

4. Interest Identification

PJM had pre-populated the Interest Identification portion of the matrix with a few interests for both portions of the Issue Charge. Mr. Chris Pacella presented PJM's interests regarding interchange volatility and Ms. Rebecca Carroll



presented PJM's interests regarding incorporating more operator actions in the energy and reserve pricing. Ms. Lisa Morelli led the stakeholders in brainstorming and identifying additional interests.

5. Design Component & Solution Option Development

- a. PJM pre-populated the matrix with design components and solution options for both the short term and long term solutions for both pieces of the Issue Charge. The design component and solution option development exercise was completed for the interchange volatility portion first. It was stated that while long term solutions would be documented and kept in the matrix, discussions on these solutions will be limited and the focus will be mainly on the short term solutions that may be implemented before June 2014.
- b. Mr. Chris Pacella presented the design components for the interchange volatility. Stakeholders were asked to brainstorm additional design components and ideas were documented. Long term components were kept in a separate tab to keep track of ideas. Once components were discussed, Mr. Pacella went on to present PJM's solution options, for both the short and long terms. Stakeholders were again asked to brainstorm solution options. A request to reword a solution option to incorporate DR decisions when limiting ramp was made and taken down as an action item for the next meeting. Stakeholders were encouraged to send any additional components and options prior to the following meeting.
- c. Ms. Rebecca Carroll presented the design components drafted by PJM for incorporating more operator actions in the energy and reserve pricing. Ms. Carroll also presented the solution options drafted by PJM for both the short and long term solutions. Stakeholders were also encouraged to send any additional components and options prior to the following meeting.

6. Future Agenda Items

- a. Review and revise the workplan as needed
- b. Review Interest identification, Solution Components, and Solution Options
- c. Narrow down Solution Options
- d. Develop Solution Packages

7. Future Meeting Dates

March 7, 2014	1:00pm – 4:00pm	Conference and Training Center / WebEx
March 17, 2014	9:00am – 12:00pm	Conference and Training Center / WebEx
April 3, 2014	9:00am – 12:00pm	Conference and Training Center / WebEx



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