

Generator Offer Flexibility Senior Task Force (Meeting #4)

PJM Conference and Training Center / WebEx

July 22, 2015

9:30 p.m. – 2:30 p.m. [EPT]

Administration (9:30-9:40)

1. Mr. Richard Brown opened the meeting and reviewed the agenda.
2. Mr. Brian Chmielewski reviewed the meeting guidelines, performed roll call and reviewed the July 10th draft minutes. Minutes were approved and posted as final.

Monitoring Analytics Education Presentation (9:40-10:35)

3. Dr. Joseph Bowring, Monitoring Analytics, LLC, presented education material for current TPS test rules in the PJM market.

Break (10:35-10:50)

Operating Reserves Education Presentation (10:50-1:22)

4. Mr. Ray Fernandez, PJM Interconnection, LLC, presented education for current Operating Reserve credit rules in the PJM market.
5. Mr. Brian Chmielewski, PJM Interconnection, LLC, presented basic Operating Reserve credit examples and highlighted the fundamental impacts of hourly differentiated offers.

Lunch (12:00 – 12:45)

10% Adder Presentation (1:22 – 2:25)

6. Mr. Steven Shparber, PJM Interconnection, LLC, presented information on FERC Order No. 697 and the exclusion of the 10% adder rule from the GOFSTF scope. Provided below are links to the referenced RTO governing documents.
 - ISO NE, Section III.A.3.4. , Market Rule 1, Appendix A:
http://www.iso-ne.com/static-assets/documents/regulatory/tariff/sect_3/mr1_append_a.pdf
 - MISO, Section 83.4.4.2 of Tariff:
<https://www.misoenergy.org/Library/Tariff/Pages/Tariff.aspx>
 - NYISO, Section 23.3.1.2.3.3, Attachment H of Tariff:

<https://nyisoviewer.etariff.biz/ViewerDocLibrary//MasterTariffs//9FullTariff.pdf>

Future Agenda Items (2:25-2:30)

7. Options Matrix development
8. Document Action Items
9. Further Settlement impacts with examples
10. Markets Gateway interactions

Future Meeting Dates

August 21 st	9:30am – 4:00pm	Conference and Training Center / WebEx
September 4 th	9:30am – 4:00pm	Conference and Training Center / WebEx
September 18 th	9:30am – 4:00pm	Conference and Training Center / WebEx
October 21 st	9:30am – 4:00pm	Conference and Training Center / WebEx

Author: B. Chmielewski

Anti-trust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings.

In-Person Attendees

LAST NAME	FIRST NAME	COMPANY	SECTOR
Anders	David	PJM Interconnection, LLC	Not Applicable
Bolan	Martin	FirstEnergy Solutions Corporation	Transmission Owner
Bowring	Joe	Monitoring Analytics, LLC	Not Applicable
Brodbeck	John	Potomac Electric Power Company	Electric Distributor
Brown	Rich	PJM Interconnection, LLC	Not Applicable
Brownell	Stan	Monitoring Analytics, LLC	Not Applicable
Bruce	Susan	McNees Wallace & Nurick LLC	Not Applicable
Buffoni	Jessica	PJM Interconnection, LLC	Not Applicable
Chmielewski	Brian	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable
Cox	Jason	Dynegy Power Marketing, Inc.	Generation Owner
Endress	Eric	PJM Interconnection, LLC	Not Applicable
Fereshetian	Damon	PJM Interconnection, LLC	Not Applicable
Fernandez	Ray	PJM Interconnection, LLC	Not Applicable
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Foladare	Kenneth	IMG Midstream LLC	Generation Owner
Ford	Adrien	PJM Interconnection, LLC	Not Applicable
Greening	Michele	Talen Energy Marketing, LLC	Generation Owner
Griffiths	Dan	Consumer Advocates of PJM States	Not Applicable
Hagaman	Derek	GT Power Group	Not Applicable
Hauske	Tom	PJM Interconnection, LLC	Not Applicable
Holland	Risa	PJM Interconnection, LLC	Not Applicable

Jani	Alpa	PJM Interconnection, LLC	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Josyula	Siva	Monitoring Analytics, LLC	Not Applicable
Keech	Adam	PJM Interconnection, LLC	Not Applicable
King	Kendra	PJM Interconnection, LLC	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Luna	Joel	Monitoring Analytics, LLC	Not Applicable
Marcino	Angelo	PJM Interconnection, LLC	Not Applicable
Matheson	Eric	Pennsylvania Public Utility Commission	Not Applicable
Morelli	Lisa	PJM Interconnection, LLC	Not Applicable
O'Connell	Robert	Main Line Electricity Market Consultants	Not Applicable
Pratzon	David	GT Power Group	Not Applicable
Riding	M.Q.	Essential Power OPP, LLC	Transmission Owner
	Scarp	Calpine Energy Services, L.P.	Generation Owner
Shah	Vijay	PJM Interconnection, LLC	Not Applicable
Shparber	Steve	PJM Interconnection, LLC	Not Applicable
Velasco	Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Ward	Michael	PJM Interconnection, LLC	Not Applicable
Warshel	Kim	PJM Interconnection, LLC	Not Applicable

WebEx / Teleconference Attendees

LAST NAME	FIRST NAME	COMPANY	SECTOR
Benчек	Jim	FirstEnergy Solutions Corporation	Transmission Owner
Bonner (ES)	Charles	Dominion Virginia Power	Not Applicable

Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Budney	Dave	PJM Interconnection, LLC	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Citrolo	John	PSEG Energy Resources and Trade LLC	Transmission Owner
Coyne	Suzanne	PJM Interconnection, LLC	Not Applicable
DeLosa	Joseph	DE Public Service Commission	Not Applicable
Demuyck	Rene	New Jersey Board of Public Utilities	Not Applicable
Dessender	Harry	Customized Energy Solutions, Ltd.*	Not Applicable
Diamont	Martin	PSEG Energy Resources and Trade LLC	Transmission Owner
DiNicola	Laura	FirstEnergy Corporation	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dupeire	Michael	Ventyx	Not Applicable
Eckstein	Jim	Duke Energy Business Services LLC	Generation Owner
Farber	John	DE Public Service Commission	Not Applicable
Feierabend	Rick	Dominion Virginia Power	Not Applicable
Fellon	Brian	Hess Corporation	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fink	Sari	Office of the Ohio Consumers' Counsel	End Use Customer
Fort	Jim	The Energy Authority	Other Supplier
Garnett	Bryan	Duke Energy Business Services LLC	Generation Owner
Gebolys	Debbie	Other	Not Applicable
Hall II	Walter	Maryland Public Service Commission	Not Applicable
Hart	Ron	Dominion Energy Marketing, Inc.	Generation Owner

Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hyzinski	Tom	Talen Energy Marketing, LLC	Generation Owner
Jablonski	Jim	Borough of Butler, Butler Electric Division	Electric Distributor
Jardot	Gina	Essential Power Rock Springs, LLC	Transmission Owner
Keefer	Brian	Dominion Energy Marketing, Inc.	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Lacy	Catherine	Dominion Virginia Power	Not Applicable
Lakey	Brian	Appalachian Power Company (APCO Dedicated)	Not Applicable
LaRocque	Matt	PJM Interconnection, LLC	Not Applicable
Leopold	Chris	Appalachian Power Company (APCO Dedicated)	Not Applicable
Liang-Nicol	Cecilia	Allegheny Power (MonPwr Gen)	None
Libbos	Robin	Allegheny Power	Transmission Owner
Lieberman	Steven	Old Dominion Electric Cooperative	Electric Distributor
Ma	Alex	Invenergy	Generation Owner
Markiewicz	Cindy	FirstEnergy Solutions Corporation	Transmission Owner
Martin	Aaron	CMS Energy Resource Management Company	Other Supplier
Marton	David	FirstEnergy Solutions Corporation	Transmission Owner
McNamara	Sean	PJM Interconnection, LLC	Not Applicable
Moerner	Lisa	Virginia Electric & Power Company	Transmission Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'Connor	Siobhan	Energy Authority, Inc. (The)	Other Supplier
Ondayko	Brock	Appalachian Power Company	Transmission Owner

Owens	Christina	North Carolina Electric Membership Corporation	Electric Distributor
Patel	Keyur	PJM Interconnection, LLC	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schafer	Anita	Duke Energy Business Services LLC	Generation Owner
Schmitt	Jeff	PJM Interconnection, LLC	Not Applicable
Slade	Louis	Virginia Electric & Power Company	Transmission Owner
Stadelmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Thurston	Mark	Dominion Energy Marketing, Inc.	Generation Owner
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Wadsworth	Joe	Vitol Inc.	Other Supplier
Weathers	Brian	PJM Interconnection, LLC	Not Applicable
Wilmoth	Emily	Dominion Virginia Power	Not Applicable
Weghorst	Bradley	Talen Energy Marketing, LLC	Generation Owner
Yu	Joel	Rockland Electric Company	Transmission Owner