

Energy Price Formation Sr. Task Force
PJM Conference and Training Center
September 26, 2018
10:30 a.m. – 4:00 p.m. EPT

Administration

1. Mr. Dave Anders and Mr. Vijay Shah provided announcements, reviewed the Anti-trust, Code of Conduct and PJM meeting guidelines policies and performed in-room roll-call
2. The Senior Task Force approved draft minutes from the August 22, 2018 Energy Price Formation Senior Task Force (EPFSTF) meeting.

Operating Reserve Demand Curve (ORDC)

3. ORDC Discussion
 - A. Dr. Catherine Tyler, IMM, provided a presentation on the latest IMM proposal for the EPFSTF on ORDC.
 - B. Dr. Patricio Rocha Garrido, PJM, answered questions related to PJM ORDC proposal from the August 22, 2018 EPFSTF meeting.

Simulation Results

4. Simulation Results – Dr. Anthony Giacconi, PJM, provided a presentation for simulation results of the PJM proposal for EPFSTF. In addition to the presentation, data for the simulation results has been posted with the meeting materials.

Settlement Changes for Reserve Consolidation

5. Settlement Changes – Mr. Ray Fernandez, PJM, reviewed potential Settlement changes for consolidated Synchronized Reserve Market.

Matrix

6. Matrix – Mr. Dave Anders led a discussion capturing design components, options and packages to the EPFSTF Matrix focusing on the short term goals. Dr. Catherine Tyler, IMM and Ms. Lisa Morelli, PJM, reviewed the latest version of IMM and PJM packages, respectively.

Future Agenda Items

Future Meeting Dates

October 12, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 1, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 28, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 14, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Vijay Shah

Attendees (In Person)

Last Name, First Name	Company	Sector
Anders, David	PJM Interconnection, LLC	Not Applicable
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bernabeu, Emanuel	PJM Interconnection, LLC	Not Applicable
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Chao, Hung-Po	PJM Interconnection, LLC	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	Tangibl	Not Applicable
Greening, Michele	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lowe, Connie	Dominion Virginia Power	Not Applicable
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Maxwell, Melissa	PJM Interconnection, LLC	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Schneider, Jonathan	FirstEnergy Solutions Corp.	Transmission Owner
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Sweeney, Rory	RTO Insider	Not Applicable
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier

Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Wilkie, Brian	Rockland Electric Company	Transmission Owner

Attendees (Teleconference)

Last Name, First Name	Company	Sector
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anderson, Jared	S&P Global	Not Applicable
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Belley, Guillaume	Merrill Lynch Commodities, Inc.	Other Supplier
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Chen, Hong	PJM Interconnection, LLC	Not Applicable
Chen, Jay	Shell Energy North America (US), LP	Other Supplier
Chung, Taewoo	Millenium	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Fereshetian, Damon	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Hastings, David	Market Interconnection LLC	Not Applicable
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Huang, Henry	Constellation Energy Services, Inc.	Other Supplier
Hull, James	RWE	Other Supplier

Hyzinski, Tom	GT Power Group	Not Applicable
Iyer, Shrikant	Exelon Generation Co., LLC	Generation Owner
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jha, Monica	PCI	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kemmerer, Kieran	S&P Global Platts	Not Applicable
Kent, Chandler	Other	Not Applicable
Klein, Abram	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Kreitler, Ginny	National Audobon	Not Applicable
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Long, Glenn	PJM Interconnection, LLC	Not Applicable
Lutterbeck, Felix	Other	Not Applicable
Mahila, Christopher	Public Utilities Commission of Ohio (The)	Not Applicable
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Matzen, Jeff	Dominion Retail, Inc.	Not Applicable
Mohan, Syam	RWE	Other Supplier
Nash, Garth	Bruce Power Inc.	Other Supplier
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Pakula, Maggie	Invenergy, LLC	Generation Owner
Pang, Michael	Merrill Lynch Commodities, Inc.	Other Supplier
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Philips, Marjorie	Direct Energy Business, LLC	Other Supplier
Pierce, Clayton	EnerNOC, Inc.	Other Supplier
Rinkoski, Marie	Exelon Generation Co,	Generation Owner
Rushing, Nathan	CPV Maryland, LLC	Generation Owner
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Thompson, James	Commonwealth Edison Company	Transmission Owner
VanderLaan, D. William	Illinois Commerce Commission	Not Applicable
Vargo, Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner

Antitrust:

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. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

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<p>Join a Meeting</p>	<ol style="list-style-type: none">1. Join meeting in the WebEx desktop client2. Enter name (<i>First and Last*</i>) and corporate email3. Under "Select Audio Option" select "Call Me" option from the dropdown menu

**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

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