

**Energy Price Formation Sr. Task Force
PJM Conference and Training Center
August 22, 2018
10:00 a.m. – 4:00 p.m. EPT**

Administration (10:00-10:10)

1. Mr. Vijay Shah and Ms. Janell Fabiano provided announcements, review the Anti-trust, Code of Conduct and PJM meeting guidelines policies and perform in-room roll-call
2. The Senior Task Force approved draft minutes from the August 6, 2018 Energy Price Formation Senior Task Force (EPFSTF) meeting.

Operating Reserve Demand Curve (ORDC) (10:10-11:30)

3. ORDC Discussion
 - A. Mr. Angelo Marcino, PJM, provided a presentation on the frequency of out of market adjustments to the ORDC
 - B. Dr. Patricio Rocha Garrido, PJM, provided a presentation on the value of additional reserves procured beyond the MRR

Action Items (11:30 – 12:15)

4. Action Items – PJM staff reviewed and addressed questions from the August 6, 2018 EPFSTF meeting

Lunch (12:15-1:00)

Simulation Methodology (1:00-2:00)

5. Simulation Methodology – Dr. Anthony Giacomoni, PJM, provided a presentation on the methodology that will be used for simulation results of the PJM proposal for EPFSTF.

SR Must Offer (2:00-2:30)

6. SR Must Offer – Dr. Joseph Bowering, IMM, provide a presentation on SR Must Offer Requirements considerations

Matrix (2:30-3:00)

7. Matrix – Mr. Vijay Shah led a discussion capturing design components, options and packages to the EPFSTF Matrix focusing on the short term goals.

Meeting adjourned 4:00

Future Agenda Items

Future Meeting Dates

September 26, 2018	10:00 a.m.	PJM Conference & Training Center/ WebEx
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
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Callaghan, Chris	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	Energy Connect	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Greening, Michele	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Heinle, Frederick	Office of the People's Counsel	End User Customer
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Marcino, Angelo	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
Poulos, Greg	CAPS	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Sweeney, Rory	RTO Insider	Not Applicable
Thomas, Henry	PJM Interconnection, LLC	Not Applicable
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable

Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable

Attendees (Teleconference)

Last Name, First Name	Company	Sector
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Anderson, Jared	S&P Global	Not Applicable
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Belley, Guillaume	Merrill Lynch Commodities, Inc.	Other Supplier
Bonner, Charles	Dominion Virginia Power	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Chen, Jay	Shell Energy North America (US), LP	Other Supplier
Chintapalli, Raj	Galt Power Inc.	Other Supplier
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Davis, James Jim	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Esposito, Pati	TransCanada Power Marketing Ltd.	Other Supplier
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Fuhr, Gretchen	Commerce Energy, Inc.	Other Supplier
Grimes, Jordan	Morningstar Commodity Data	Not Applicable
Guo, JauJia	Appalachian Power Company	Transmission Owner
Hastings, David	Market Interconnection LLC	Not Applicable
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Herel, Suzanne	RTO Insider	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner

Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Jha, Monica	PCI	Not Applicable
Kalle, Ibrahima	Tibiri Energies	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kinser, Cynthia	Tennessee Department of Agriculture	Not Applicable
Kreitler, Ginny	National Audobon	Not Applicable
Liang-Nicol, Cecilia	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Long, Amanda	PJM Interconnection, LLC	Not Applicable
Long, Glenn	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Martin, Valerie	The Federal Energy Regulatory Commission	Not Applicable
Matzen, Jeff	Dominion Retail, Inc.	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Murray, Kevin	McNees Wallace & Nurick LLC	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Philips, Marjorie	Direct Energy Business, LLC	Other Supplier
Price, Ruth Ann	Division of the Public Advocate of the State of Delaware	End User Customer
Promubol, Jim	Shell Energy North America (US), LP	Other Supplier
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schneider, Jonathan	FirstEnergy Solutions Corp.	Transmission Owner
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Starkov, Stefan	PJM Interconnection, LLC	Not Applicable
Stefanowicz, Vincent	PJM Interconnection, LLC	Not Applicable
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Tsao, Stephanie	SPGlobal	Not Applicable

Tyler, Catherine	Monitoring Analytics	Not Applicable
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Ward, Michael	PJM Interconnection, LLC	Not Applicable

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.

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