

Energy Price Formation Sr. Task Force
PJM Conference and Training Center
January 11, 2019
9:00 p.m. – 12:00 p.m. EPT

Administration

1. Mr. Dave Anders and Mr. Vijay Shah 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 will be asked to approve draft minutes from the January 11, 2019 Energy Price Formation Senior Task Force (EPFSTF) meeting.

PJM Comprehensive Package

3. PJM provided more details of the comprehensive package for Reserve pricing reform for the below topics.
 - A. Simulation results review of cold snap from December 2017 – January 2018.
 - B. Options on managing risk for Day Ahead reserve assignments.
 - C. Balancing settlement with Reserve market alignment.

Proposals & Amendments

4. Dr. Catherine Tyler, Monitoring Analytics, provided more details of the IMM proposal and follow up on takeaways from the January 4 meeting regarding proposed Reserve market enhancements on the below topics.
 - A. Calculating Scarcity Rents
 - B. Scarcity Rent True Up
 - C. Calculation of Forced Outage Probability
 - D. Day Ahead Reserve Market Implementation Issues
5. Mr. James Wilson, Wilson Energy Economics, proposed an 8th component to add to the comprehensive package regarding transparency.

Future Agenda Items

Future Meeting Dates

January 17, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
January 23, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx

Attendance (In Person)

Last Name, First Name	Company	Sector
Anders, David	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bennett, Stephen	PJM Interconnection, LLC	Not Applicable
Berr, Jon	RTO Insider	Not Applicable
Borgatti, Michael	Gabel and Associates	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Callaghan, Chris	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
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	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Giacomini, Anthony	PJM Interconnection, LLC	Not Applicable
Grimes, Jordan	Morningstar Commodity Data	Not Applicable
Heidorn, Richard	RTO Insider	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Hyatt, John	Monitoring Analytics	Not Applicable
Hyzinski, Tom	GT Power Group	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.	Not Applicable
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Matheson, Eric	Pennsylvania Public Utility Commission	Not Applicable

Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Pilong, Christopher	PJM Interconnection, LLC	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Sweeney, Rory	GT Power Group	Not Applicable
Thomas, Henry	PJM Interconnection, LLC	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Weather, Brian	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Williams, Stanley	PJM Interconnection, LLC	Not Applicable

Attendance (Teleconference)

Last Name, First Name	Company	Sector
Anderson, Jared	S&P Global	Not Applicable
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Ball, Brian	IE ISO Canada	Not Applicable
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bergin, Kieran	Public Service Electric & Gas Company	Transmission Owner
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Brooks, Michael	RTO Insider	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Budney, David	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Carmean, Gregory	OPSI	Not Applicable
Cawley, Troy	PJM Interconnection, LLC	Not Applicable

Chen, Hong	PJM Interconnection, LLC	Not Applicable
Chintapalli, Raj	BP Energy Company	Other Supplier
Chung, Taewoo	Millenium	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Colbert, Cathleen	NRG Power Marketing LLC	Other Supplier
Collins, Ryan	Other	Not Applicable
Currier, Jeffrey	Dominion Virginia Power	Other Supplier
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Davis, James	Dominion Virginia Power	Not Applicable
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
Dillon, Matthew	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Evrard, David	Pennsylvania Office of Consumer Advocate	End User Customer
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fletcher, Jennifer	FERC	Not Applicable
Gahimer, Michael	IN Office of Utility Consumer Counselor	End User Customer
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Glazer, Craig	PJM Interconnection, LLC	Not Applicable
Greco, Steven	NextEra Energy Resources	Other Supplier
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guntle, Vince	UGI Development Company	Generation Owner
Guo, Jaulia	Appalachian Power Company	Transmission Owner
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End User Customer
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Herel, Suzanne	PJM Interconnection, LLC	Not Applicable
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
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Litchfield, Matthew	CPV Shore, LLC	Generation Owner
Little, John	PSNC Energy	Not Applicable
Long, Amanda	PJM Interconnection, LLC	Not Applicable
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Martin, Lodyga	Independent Electricity System Operator	Other Supplier
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
O'Leary, Christopher	PSEG Energy Resources and Trade LLC	Transmission Owner
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Pakula, Maggie	Invenergy, LLC	Generation Owner
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Philips, Marjorie	Direct Energy Business, LLC	Other Supplier
Phillips, Jennifer	C.P. Crane LLC	Generation Owner
Pierce, Clayton	EnerNOC, Inc.	Other Supplier
Poulos, Greg	CAPS	Not Applicable
Powers, Sean	Linde Energy Services, Inc.	End User Customer
Procnuiar, Jason	Dayton Power & Light Company (The)	Transmission Owner
Prom, Jimmy	Shell Energy	Other Supplier
Rismiller, Randy	Illinois Commerce Commission	Not Applicable
Rodriguez, Tomas	Illinois Commerce Commission	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schmidt, Eric	PSEG Energy Resources and Trade LLC	Transmission Owner
Schreim, Morris	Maryland Public Service Commission	Not Applicable
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

Sock, Bryan	PSEG Energy Resources and Trade LLC	Transmission Owner
Steele, Robert	Acorn Energy Trading, LLC	Other Supplier
Tacka, Natalie	PJM Interconnection, LLC	Not Applicable
Theodore, Sharon	Electric Power Supply Association	Not Applicable
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Wheeler, Danielle	NEE	Other Supplier
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner

Author: Vijay Shah

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.

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