

Energy Price Formation Sr. Task Force
PJM Conference and Training Center
January 17, 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 approved draft minutes from the January 11, 2019 Energy Price Formation Senior Task Force (EPFSTF) meeting.
3. PJM reviewed posted materials in support of takeaways from previous EPFSTF meetings. Stakeholders had the opportunity to ask any questions related to the items that are posted under the meeting materials for today's meeting.

PJM Comprehensive Package

4. PJM provided more details of the comprehensive package for reserve pricing reform for the below topics.
 - A. DR Participation

Proposals & Amendments

5. Dr. Catherine Tyler, Monitoring Analytics, provided more details of the IMM proposal and followed up on takeaways from the January 4 meeting regarding proposed Reserve Market enhancements on the below topics. IMM will continue to present these materials at the January 23 EPFSTF meeting.
 - A. Capacity True Up
 - B. Operating Reserve Demand Curve
 - C. Balancing Settlement
6. Matrix
 - A. PJM staff reviewed their respective proposal.
 - B. IMM staff reviewed their respective proposal.
 - C. Mr. Gregory Poulos and Mr. Frederick Heinle reviewed the DC OPC proposal.
 - D. Mr. David Scarpagio, Calpine, reviewed the Calpine proposal.

Work plan

7. Mr. Dave Anders reviewed the latest work plan for EPFSTF. The Task Force will plan to vote at the January 23, 2019 meeting in room. A mock vote was sent out on Friday, January 18, 2019 to confirm rosters and registration.

Future Agenda Items

Future Meeting Dates

Attendance (In Room)

Last Name, First Name	Company	Sector
Anders, David	PJM Interconnection, LLC	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Bresler, Frederick	PJM Interconnection, LLC	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Fernandez, Ray	PJM Interconnection, LLC	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Glazer, Craig	PJM Interconnection, LLC	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Hoatson, Tom	LS Power	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Langbien, Pete	PJM Interconnection, LLC	Not Applicable
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
McAnany, James	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Rocha Garrido, Patricio	PJM Interconnection, LLC	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Steward, Travis	Gabel and Associates	Not Applicable
Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Sweeney, Rory	GT Power Group	Not Applicable
Toomey, Megan	Talen Energy Marketing, LLC	Generation Owner
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable

Whitehead, Jeffrey

GT Power Group

Not Applicable

Attendance (WebEx)

Last Name, First Name	Company	Sector
Anderson, Jared	S&P Global	Not Applicable
Auerbach, Daniel	Direct Energy Business	Other Supplier
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bernstein, Matthew	PJM Interconnection, LLC	Not Applicable
Bonner, Charles	Dominion Virginia Power	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Callaghan, Chris	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Carmean, Gregory	OPSI	Not Applicable
Cavan, Peter	Direct Energy Business, LLC	Other Supplier
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Chen, Hong	PJM Interconnection, LLC	Not Applicable
Chintapalli, Raj	BP Energy Company	Other Supplier
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
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
Cox, EdwardP	Appalachian Power Company	Transmission Owner
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Crystle, Gil	UGI Development Company	Transmission Owner
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Davis, James	Dominion Energy Marketing, Inc.	Generation Owner
DeBellis, Eric	Environmental Law and Policy Center	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
Edmonds, Brian	DC Public Service Commission	Not Applicable
Fereshetian, Damon	PJM Interconnection, LLC	Not Applicable
Ferrer, Hector	Public Service Electric & Gas Company	Transmission Owner
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fletcher, Jennifer	FERC	Not Applicable
Foladare, Kenneth	Tangibl	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
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gillespie, Joseph	Engie Energy Marketing North America	Other Supplier
Giraldo, Juan	Monitoring Analytics, LLC	Not Applicable
Greco, Steven	NextEra Energy Resources	Other Supplier
Grimes, Jordan	Morningstar Commodity Data	Not Applicable
Hanser, Erik	Michigan Public Service Commission	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
Horning, Lynn Marie	LMH Energy	Not Applicable
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hyatt, John	Monitoring Analytics, LLC	Not Applicable
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Kalle, Ibrahima	Tibiri Energies	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
LeBris Erffmeyer, Jacques	Illinois Citizens Utility Board	End User Customer
Litchfield, Matthew	CPV Shore, LLC	Generation Owner
Little, John	PSNC Energy	Not Applicable

Lodyga, Martin	Independent Electricity System Operator	Other Supplier
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Matzen, Jeff	Dominion Retail, Inc.	Not Applicable
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Molta, Paul	Ameresco	Not Applicable
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Moye, Bob	Rainbow Energy Marketing Corporation	Other Supplier
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Ondayko, Brock	Appalachian 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
Powers, Sean	Linde Energy Services, Inc.	End User Customer
Promubol, Jim	Shell Energy North America (US), LP	Other Supplier
Rajan, Abhijit	Dominion Resources	Not Applicable
Rodriguez, Tomas	Illinois gov office	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Scott, Chance	Northern States Power Company	Other Supplier
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Singer, Chad	Fellon McCord	Not Applicable
Slater, Andrew	State of Delaware	Not Applicable
Slusser, Jeff	PJM Interconnection, LLC	Not Applicable
Stancombe, Corey	Duke Energy Kentucky, Inc.	Transmission Owner

Vargo, Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Wheeler, Daniel	nee	Other Supplier

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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