

**Energy Price Formation Sr. Task Force**  
**PJM Conference and Training Center**  
**January 4, 2019**  
**9:00 p.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 minutes from the December 14, 2018 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. Use of \$2000 Penalty Factor for Operating Reserve Demand Curve
  - B. Day-Ahead Operating Reserve Demand Curve
  - C. Reserve Products Interaction
  - D. Basics of 30 minute Reserves

## Proposals & Amendments

4. Dr. Joseph Bowring, Monitoring Analytics, presented more details of the IMM proposal regarding proposed Reserve market enhancements
5. Mr. James Wilson, Wilson Energy Economics, provided more details on the proposed 7<sup>th</sup> component to add to the comprehensive package
6. Mr. Frederick Heinle, Office of the People's Counsel – District of Columbia, reviewed DC OPC's proposal regarding proposed Reserve market enhancements
7. Mr. David Scarpignato, Calpine, reviewed Calpine's proposal regarding proposed reserve market enhancements

## Path

8. Mr. Dave Anders reviewed the latest work plan for EPFSTF, highlighting remaining meeting schedule and also discussed potential polling for the Task Force. Stakeholders are encouraged to provide any feedback they may have on potential interest regarding polling or voting at the task force level to Mr. Dave Anders or Mr. Vijay Shah.

## Future Agenda Items

## Future Meeting Dates

January 11, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
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
Borgatti, Michael	Gabel and Associates	Not Applicable
Brooks, Michael	RTO Insider	Not Applicable
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Colbert, Cathleen	NRG Power Marketing LLC	Other Supplier
DeVita, Thomas	PJM Interconnection, LLC	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Fereshetian, Damon	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
Glazer, Craig	PJM Interconnection, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End User Customer
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski, Tom	GT Power Group	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
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Matheson, Eric	Pennsylvania Public Utility Commission	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner

Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Sweeney, Rory	GT Power Group	Not Applicable
Thomas, Henry	PJM Interconnection, LLC	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
Wilson, James	Wilson Energy Economics	Not Applicable

## Attendance (Teleconference)

Last Name, First Name	Company	Sector
Anderson, Jared	S&P Global	Not Applicable
Baker, Scott	PJM Interconnection, LLC	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
Bonner, Charles	Dominion Virginia Power	Not Applicable
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Bryson, Mike	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Chintapalli, Raj	BP Energy Company	Other Supplier
Chmielewski, Brian	PJM Interconnection, LLC	Not Applicable
Christopher, Mahila	Public Utilities Commission of Ohio (The)	Not Applicable
Chung, Taewoo	Millenium	Not Applicable
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
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
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
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
Fink, Sari	Office of the Ohio Consumers' Counsel	End User Customer
Fletcher, Jennifer	FERC	Not Applicable
Fort, Jim	The Energy Authority	Other Supplier
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
George, Brian	Federal Energy Regulatory Commission	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Greening, Michele	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Grimes, Jordan	Morningstar Commodity Data	Not Applicable
Guo, JauJia	Appalachian Power Company	Transmission Owner
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Heidorn, Rich	RTO Insider	Not Applicable
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Helms, Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
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
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner

Jha, Monica	PCI	Not Applicable
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
LeBris Erffmeyer, Jacques	Illinois Citizens Utility Board	End User Customer
Lee, Lori Murphy	PJM Interconnection, LLC	Not Applicable
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Litchfield, Matthew	CPV Shore, LLC	Generation Owner
Lodyga, Martin	IESO Canada	Not Applicable
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mabry, David	McNees Wallace & Nurick 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
Maxwell, Melissa	PJM Interconnection, LLC	Not Applicable
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Murray, Kevin	McNees Wallace & Nurick LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
O'Leary, Christopher	PSEG Energy Resources and Trade LLC	Transmission Owner
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Pakula, Maggie	Invenergy, LLC	Generation Owner
Peoples, John	Duquesne Light Company	Transmission Owner
Perera, Asanga	PJM Interconnection, LLC	Not Applicable
Phillips, Marjorie	Direct Energy Business, LLC	Other Supplier
Phillips, Jennifer	C.P. Crane LLC	Generation Owner
Poulos, Greg	CAPS	Not Applicable
Promubol, Jim	Shell Energy North America (US), LP	Other Supplier
Rajan, Abhijit	Dominion Resources	Not Applicable
Rismiller, Randy	Illinois Commerce Commission	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
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sock, Bryan	PSEG Energy Resources and Trade LLC	Transmission Owner
Sternisha, Lori	Public Utilities Commission of Ohio (The)	Not Applicable

Tacka, Natalie	PJM Interconnection, LLC	Not Applicable
Tina , Mohler	PJM Interconnection, LLC	Not Applicable
Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Vargo, Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Vayda, Brian	Borough of Park Ridge, NJ	Electric Distributor
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Williams, Stanley	PJM Interconnection, LLC	Not Applicable

Author: Vijay Shah

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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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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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