

**Energy Price Formation Sr. Task Force**  
**PJM Conference and Training Center**  
**December 14, 2018**  
**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 November 28, 2018 Energy Price Formation Senior Task Force (EPFSTF) meeting.
3. Mr. Dave Anders reviewed the latest updates from the PJM Board letter that was sent out on December 5, 2018 regarding Energy Price Formation Senior Task Force. The letter was posted as part of today's meeting materials.

## Details of Comprehensive Package

4. PJM outlined components of the comprehensive package for Reserve pricing reform in response to the Board letter.

## Simulation Results

5. Dr. Anthony Giacomoni, PJM, provided simulation results of the comprehensive package for Reserve pricing reform.

## Work plan

6. Mr. Dave Anders reviewed the latest work plan for EPFSTF. Two additional meetings have been added to the calendar for January 11, 2019 and January 17, 2019. Stakeholders are encouraged register for these additional meetings.

## Future Agenda Items

## Future Meeting Dates

December 14, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
January 4, 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
Arabia	Steven	Light Stone Gen	Generation Owner
Bernabeu	Emanuel	PJM Interconnection, LLC	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	Timothy	PJM Interconnection, LLC	Not Applicable
Carmean	Gregory	OPSI	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
Giacomoni	Anthony	PJM Interconnection, LLC	Not Applicable
Horger	Tim	PJM Interconnection, LLC	Not Applicable
Jha	Monica	PCI	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.	Not Applicable
Kauffman	Brian	EnerNOC, Inc.	Other Supplier
Keech	Adam	PJM Interconnection, LLC	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Long	Amanda	PJM Interconnection, LLC	Not Applicable
Marcino	Angelo	PJM Interconnection, LLC	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
Pratzon	David	GT Power Group	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
Stewart	Travis	Gable and Associates	Not Applicable
Suh	Jung	Calpine Energy Services, L.P.	Generation Owner
Sweeney	Rory	RTO Insider	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
Warshel	Kim	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
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Bennett	Stephen	PJM Interconnection, LLC	Not Applicable
Bergin	Kieran	Public Service Electric & Gas Company	Transmission Owner
Bernstein	Matthew	PJM Interconnection, LLC	Not Applicable
Bonner	Charles	Dominion Virginia Power	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Brodbeck	John	EDP Renewables North America, LLC	Other Supplier
Burdis	Tim	PJM Interconnection, LLC	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	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
Cox	Edward P	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

Dasher	Brett	Energy Authority, Inc. (The)	Other Supplier
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
Davis	Elizabeth	PJM Interconnection, LLC	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
Endress	Eric	PJM Interconnection, LLC	Not Applicable
Fan	Zhenyu	PJM Interconnection, LLC	Not Applicable
Fenner	Charles	Macquarie Energy, LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	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
Giraldo	Juan	Monitoring Analytics, LLC	Not Applicable
Glazer	Craig	PJM Interconnection, LLC	Not Applicable
Greco	Steven	NextEra Energy Resources	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
Heinle	Frederick	Office of the People's Counsel	End User Customer
Herel	Suzanne	PJM Interconnection, LLC	Not Applicable
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company	Transmission Owner
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Huang	Henry	Constellation Energy Services, Inc.	Other Supplier
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Hyzinski	Tom	GT Power Group	Not Applicable
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jett	William	Duke Energy Business Services LLC	Generation Owner
Johnston	David	Indiana Utility Regulatory Commission	Not Applicable
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier

Kharod	Ankit	PJM Interconnection, LLC	Not Applicable
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel	David	PJM Interconnection, LLC	Not Applicable
Little	John	PSNC Energy	Not Applicable
Lowe	Connie	Dominion Virginia Power	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Maple	Quentin	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
Murray	Kevin	McNees Wallace & Nurick LLC	Not Applicable
O'Boyle	Brian	Rockland Electric Company	Transmission Owner
Ondayko	Brock	Appalachain Power Company	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pakula	Maggie	Invenergy, LLC	Generation Owner
Patel	Keyur	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
Pierce	Clayton	EnerNOC, Inc.	Other Supplier
Poulos	Greg	CAPS	Not Applicable
Promubol	Jim	Shell Energy North America (US), LP	Other Supplier
Rehert	Nathan	SIG	?
Rismiller	Randy	Illinois Commerce Commission	Not Applicable
Robson	Matt	SESCO Enterprises LLC	Other Supplier
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
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
Starkov	Stefan	PJM Interconnection, LLC	Not Applicable
Sullivan	Michael	Wolfe Research	?
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Wei	Jane	Monitoring Analytics	Not Applicable
Wilhite	Chad	FirstEnergy Solutions Corp.	Transmission Owner
Williams	Stanley	PJM Interconnection, LLC	Not Applicable
Wilson	Bram	Diamond State Generation Partners, LLC	Generation Owner

Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Wright	James	Old Dominion Electric Cooperative	Electric Distributor

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.

**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:**

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<p><b>On the Phone Dial</b></p>  <p>Mute / Unmute</p>	<p><b>Linking Teleconference Connection to WebEx</b></p> <p>To link your teleconference connection (audio presence) to your WebEx presence, please dial *29 and enter your Personal Identification Number. Once you are logged in to the WebEx, this PIN can be found under the "Meeting Info" tab of your WebEx window.</p>
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