

Energy Price Formation Sr. Task Force
PJM Conference and Training Center
February 15, 2018
9:30 a.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 January 29, 2018 Energy Price Formation Senior Task Force meeting.

Senior Task Force Charter and Work Plan

3. Mr. Anders led a discussion to review redline version of the draft charter for the Energy Price Formation Sr. Task Force (EPFSTF). Task Force approved the redline version of the charter to be presented to MRC for approval.
4. Mr. Anders led a discussion of the latest workplan and meeting schedule for the EPFSTF.

Interest Identification

5. Mr. Anders led a discussion around interest identification and reviewed interests that were captured at the January 29, 2018 EPFSTF meeting that were grouped into higher level interest. Stakeholders completed this key work activity.

Identification of Design Criteria

6. Identification of Design Criteria
 - A. Mr. Anders led a discussion around identification of design criteria for key work activity item 2 from the issue charge and reviewed design criteria that were captured at the January 29, 2018 EPFSTF meeting.
 - B. Dr. Hung-Po Chao, PJM, provided a presentation discussing the goals and criteria to consider for Energy and Reserve Market pricing from PJM perspective.
 - C. Dr. Catherine Tyler, IMM, provided a presentation discussing the goals and criteria to consider for Energy and Reserve Market pricing from IMM perspective.
 - D. Mr. Anders led a discussion around identification of design criteria for key work activity item 2 from the issue charge to capture stakeholder identification of design criteria. The design criteria were grouped into higher level criteria.

Open Items

7. Mr. Adam Keech, PJM, provided an update to the recent PJM filing on FERC Order Instituting Section 206 Proceeding and Commencing Paper Hearing Procedures and Establishing Refund Procedures issued on December 21, 2017 regarding fast-start resources.

Future Meeting Dates

March 5, 2018	10:00 a.m.	PJM Conference & Training Center/ WebEx
March 29, 2018	9:30 a.m.	PJM Conference & Training Center/ WebEx
April 9, 2018	10:00 a.m.	PJM Conference & Training Center/ WebEx
May 4, 2018	9:00 a.m.	The Chase Center on the Riverfront/ WebEx
May 23, 2018	9:30 a.m.	PJM Conference & Training Center/ WebEx
June 8, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 25, 2018	10:00 a.m.	PJM Conference & Training Center/ WebEx
July 17, 2018	9:30 a.m.	PJM Conference & Training Center/ WebEx
August 6, 2018	10:00 a.m.	PJM Conference & Training Center/ WebEx
August 22, 2018	10:00 a.m.	PJM Conference & Training Center/ WebEx
September 10, 2018	10:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Vijay Shah

In Attendance (In Person)

Last Name	First Name	Name	Company	Sector
Anders	David	Anders, David	PJM Interconnection, LLC	Not Applicable
Barker	Jason	Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Borgatti	Mike	Borgatti, Mike	Gabel Associates	Not Applicable
Brown	Rich	Brown, Rich	PJM Interconnection, LLC	Not Applicable
Bruce	Susan	Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Burdis	Tim	Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Chao	Hung-Po	Chao, Hung-Po	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joseph	Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Fereshetian	Damon	Fereshetian, Damon	PJM Interconnection, LLC	Not Applicable
Fitch	Neal	Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare	Kenneth	Foladare, Kenneth	Tangibl	Not Applicable
Ford	Adrien	Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Giacomini	Anthony	Giacomini, Anthony	PJM Interconnection, LLC	Not Applicable
Guerry	Katie	Guerry, Katie	Enernoc	Other Supplier
Hendrzak	Chantal	Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Horstmann	John	Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Johnson	Carl	Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Keech	Adam	Keech , Adam	PJM Interconnection, LLC	Not Applicable
Kilgallen	Kevin	Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Lieberman	Steven	Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Midgley	Sharon	Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Morelli	Lisa	Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Nix	Emma	Nix, Emma	PJM Interconnection, LLC	Not Applicable
O'Connell	Robert	O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Park	Jinny	Park, Jinny	PJM Interconnection, LLC	Not Applicable
Perera	Asanga	Perera , Asanga	PJM Interconnection, LLC	Not Applicable

Scarpignato	David	Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Shah	Vijay	Shah, Vijay	PJM Interconnection, LLC	Not Applicable
Suh	Jung	Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Tribulski	Jennifer	Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tyler	Catherine	Tyler, Catherine	Monitoring Analytics	Not Applicable
Velasco	Cheryl Mae	Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Warshel	Kim	Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Whitehead	Jeffrey	Whitehead, Jeffrey	GT Power Group	Not Applicable
Wilson	James	Wilson, James	Wilson Energy Economics	Not Applicable

In Attendance (Teleconference)

Last Name	First Name	Name	Company	Sector
Ainspan	Malcolm	Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anderson	Jared	Anderson, Jared	S&P Global	Not Applicable
Bagot	Nancy	Bagot, Nancy	Electric Power Supply Association	Not Applicable
Belley	Guillaume	Belley, Guillaume	Merrill Lynch Commodities, Inc.	Other Supplier
Benckek	Jim	Benckek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Berlinski	Mike	Berlinski, Mike	Customized Energy Solutions, Ltd.*	Not Applicable
Bolan	Martin	Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Brodbeck	John	Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Campbell	Bruce	Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean	Gregory	Carmean, Gregory	OPSI	Not Applicable
Chintapalli	Raj	Chintapalli, Raj	Galt Power Inc.	Other Supplier
Cocco	Michael	Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coyle	Billy	Coyle, Billy	Dominion Virginia Power	Not Applicable
Coyne	Suzanne	Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop	Danielle	Croop, Danielle	PJM Interconnection, LLC	Not Applicable
DeBellis	Eric	DeBellis, Eric	Environmental Law and Policy Center	Not Applicable
DeLosa	Joseph	DeLosa, Joseph	DE Public Service Commission	Not Applicable
DePillo	Raymond	DePillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
Dirani	Rami	Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Endress	Eric	Endress, Eric	PJM Interconnection, LLC	Not Applicable
Erickson	David	Erickson, David	Appalachian Power Company	Transmission Owner
Ericson	Christine	Ericson, Christine	Illinois Commerce Commission	Not Applicable
Filomena	Guy	Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fondacci	Luis	Fondacci, Luis	North Carolina Electric Membership Corporation	Electric Distributor
Foxen	Tim	Foxen, Tim	Osaka Gas USA	Not Applicable

Garbaczewski	Bartosz	Garbaczewski, Bartosz	PSEG Energy Resources and Trade, LLC	Other Supplier
Gebolys	Debbie	Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gerlach	Kathryn	Gerlach, Kathryn	PSEG Energy Resources and Trade, LLC	Not Applicable
Gilani	Rehan	Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Greiner	Gary	Greiner, Gary	PSEG Energy Resources and Trade LLC	Not Applicable
Grimes	Jordan	Grimes, Jordan	Morningstar Commodity Data	Not Applicable
Guo	JauJia	Guo, JauJia	Appalachian Power Company	Transmission Owner
Hall	Tim	Hall, Tim	Southern OPCO's: APC, GPC, GuPC, MPC, SPC - J&S	Not Applicable
Hanser	Erik	Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings	David	Hastings, David	Market Interconnection LLC	Not Applicable
Haynes	Gregory	Haynes, Gregory	Energy Authority, Inc. (The)	Other Supplier
Heinle	Frederick	Heinle, Frederick	Office of the People's Counsel	End User Customer
Herel	Suzanne	Herel, Suzanne	RTO Insider	Not Applicable
Hohenshilt	Jennifer	Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horton	Dana	Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia	Eric	Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Huang	Henry	Huang, Henry	Constellation Energy Services, Inc.	Other Supplier
Hudis	Gabriella	Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hunter	Rebecca	Hunter, Rebecca	Calpine Energy Solutions, LLC	Other Supplier
Hyzinski	Tom	Hyzinski, Tom	GT Power Group	Not Applicable
Janicki	Diane	Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jardot	Gina	Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Libbos	Robin	Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Long	Scott	Long, Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Mabry	David	Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Marton	David	Marton, David	FirstEnergy Solutions Corp.	Transmission Owner
Matzen	Jeff	Matzen, Jeff	Dominion Retail, Inc.	Not Applicable
Maxwell	Melissa	Maxwell, Melissa	PJM Interconnection, LLC	Not Applicable
Mendelsohn	Mark	Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Murray	Kevin	Murray, Kevin	McNees Wallace & Nurick LLC	Not Applicable
Nawaz	Zainab	Nawaz, Zainab	NJ Board of Public Utilities	Not Applicable
O'Hara	Brian	O'Hara, Brian	Mercuria Energy Inc.	Other Supplier
Ondayko	Brock	Ondayko, Brock	Appalachian Power Company	Transmission Owner
Pang	Michael	Pang, Michael	Merrill Lynch Commodities, Inc.	Other Supplier
Patel	Keyurbhai	Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Pelletier	Eveline	Pelletier, Eveline	Hydro-Quebec	Not Applicable
Philips	Marji	philips, marji	Direct Energy Business, LLC	Other Supplier
Picardi	Matt	Picardi, Matt	Shell Energy North America (US), LP	Other Supplier
Poulos	Greg	Poulos, Greg	CAPS	Not Applicable

Price	Ruth	Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Reichert	Joshua	Reichert, Joshua	Scotia Bank	#N/A
Rismiller	Randy	Rismiller, Randy	Illinois Commerce Commission	Not Applicable
Rohrbach	John	Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Sasser	Jonathan	Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schuyler	Ken	Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shanker	Roy	Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sillin	John	Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Sock	Bryan	Sock, Bryan	PSEG Energy Resources and Trade LLC	Transmission Owner
Stoddard	Robert	Stoddard, Robert	Power Market Economics	Not Applicable
Swalwell	Brad	Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Thompson	Matthew	Thompson, Matthew	XO Energy MA, LP	Other Supplier
Tran	Bao	Tran, Bao	PJM Interconnection, LLC	#N/A
Trayers	Barry	Trayers, Barry	Citigroup Energy, Inc.	Other Supplier
Tyler	Catherine	Tyler, Catherine	Monitoring Analytics	Not Applicable
VanderLaan	D. William	VanderLaan, D. William	Illinois Commerce Commission	Not Applicable
Vayda	Brian	Vayda, Brian	Borough of Park Ridge, NJ	Electric Distributor
Walter	Laura	Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward	Michael	Ward, Michael	PJM Interconnection, LLC	Not Applicable
Wei	Jane	Wei, Jane	Monitoring Analytics	Not Applicable
Wilhite	Chad	Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Wilkie	Brian	Wilkie, Brian	Consolidated Edison Solutions, Inc	Other Supplier

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