

## ARR FTR Market Task Force (AFMTF)

Webex

April 29, 2020

9:00 a.m. – 4:00 p.m. EPT

### Administration

1. Mr. Dave Anders and Ms. Emmy Messina provided welcome, announcements, and review of the Antitrust, Code of Conduct, and Public Meetings/Media Participant Guidelines. Stakeholders approved the draft minutes from the March 25, 2020 meeting.

### Process and Work Plan

2. Mr. Dave Anders reviewed the current status of the ARR FTR Market Task Force relative to the Key Work Activities of the Issue Charge and the Work Plan.

### Education

3. Mr. Brian Chmielewski provided education on Incremental Auction Revenue Rights (IARRs).
4. Mr. Brian Chmielewski provided an overview of the PJM FTR Market Review Whitepaper.

### ARR/FTR Market Perspectives

5. Dr. Joseph Bowring, Monitoring Analytics, shared a perspective on the ARR/FTR market.
6. Dr. Howard Haas, Monitoring Analytics, shared a perspective on the ARR/FTR market.
7. Mr. Abram Klein, Appian Way Energy Partners, shared a perspective on the ARR/FTR market.
8. Dr. John Parsons, MIT and consultant for CAPS, provided an overview of the Analysis Of PJM ARR/FTR Market Design And Reform Options publication.

### CBIR Process

9. Review of the bucketing of the initial interest identification was postponed to the May 27, 2020 meeting due to time constraints.
10. The discussion on suggested design component tracks and potential themes for each track was postponed to the May 27, 2020 meeting due to time constraints.
11. The discussion to gather questions to be included in an upcoming poll was postponed to the May 27, 2020 meeting due to time constraints.

## Future Agenda Items

Design Components  
Options for Design Components  
Package Proposals

## Future Meeting Dates

May 27, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 17, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 26, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
July 22, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Emmy Messina

## Webex Meeting Attendees

Name	Company Name	Sector
Anders, David (Facilitator)	PJM Interconnection	Not Applicable
Messina, Emmy (Secretary)	PJM Interconnection	Not Applicable
Abramowitz, Jeremy	Monitoring Analytics	Not Applicable
Aguilar, Fabiano Silveira	Strom Power, LLC	Other Supplier
Ali, Shadab	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bazar, Kevin	PJM Interconnection	Not Applicable
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bernstein, Matthew	PJM Interconnection	Not Applicable
Bleiweis, Bruce	DC Energy, LLC	Other Supplier
Bloczynski, Nigeria	PJM Interconnection	Not Applicable
Borgatti, Michael	Hill Top Energy Center LLC	Generation Owner
Bowring, Joe	Monitoring Analytics	Not Applicable
Bresler, Stu	PJM Interconnection	Not Applicable
Brodbeck, John	EDP Renewables North America LLC	Generation Owner
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Brunner, Markus	Mercuria Energy America, LLC	Other Supplier
Canter, David	Appalachian Power Company (AEP Generation)	Transmission Owner
Cao, Roger	PJM Interconnection	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chintapalli, Raj	BP Energy Company	Other Supplier
Chmielewski, Brian	PJM Interconnection	Not Applicable
Christopher, Mahila	Public Utilities Commission of Ohio	Not Applicable
Chu, Michael	Forest Investment Group, LLC	Other Supplier
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor

Cook, Michael	AEP Energy Partners, Inc.	Transmission Owner
Coyne, Suzanne	PJM Interconnection	Not Applicable
Croop, Danielle	PJM Interconnection	Not Applicable
Crystle, Gil	UGI Development Company	Generation Owner
Dailey, Michael	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Davis, Elizabeth	PJM Interconnection	Not Applicable
Davis, James	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeLosa, Joseph	New Jersey Board of Public Utilities	Not Applicable
Denby, Brett	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
DeVita, Thomas	PJM Interconnection	Not Applicable
Dillon, Matthew	UGI Development Company	Generation Owner
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Downs, Jere	PJM Connect	Not Applicable
Duensing, Allison	Saracen Energy East LP	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection	Not Applicable
Eklof, Nate	WPPI Energy	Other Supplier
Endress, Eric	PJM Interconnection	Not Applicable
Engle, Andrew	XO Energy MA	Other Supplier
Everngam, Scott	Blue Horseshoe Energy LLC	Not Applicable
fan, zhenyu	PJM Interconnection	Not Applicable
Fauk, Steven	Northern States Power Company	Other Supplier
Fazio, Danielle	Engelhart CTP (US) LLC	Other Supplier
Feely, Brian	Geodesic Flow, LLC	Other Supplier
Feng, Julan	PJM Interconnection	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch, Neal	NRG Power Marketing, LLC	Generation Owner
Foladare, Kenneth	Geenex Solar LLC	Generation Owner
Foley, Imelda	Environmental Defense Fund	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Foster, Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fuess, Christian	PBF Power Marketing, LLC	Generation Owner
Gahimer, Michael	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Garnett, Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gibbs, Ike	Citadel Fnge Ltd.	Other Supplier

Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gorman, Kevin	The Highlands Energy Group, LLC	Other Supplier
Grau, Patrick	Apogee Energy Trading LLC	Other Supplier
Greening, Michele	PJM Interconnection	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer
Guo, JauJia	Appalachian Power Company (AEP Generation)	Transmission Owner
Haas, Howard	Monitoring Analytics	Not Applicable
Hastings, David	Market Interconnection Consulting Services, LLC	Not Applicable
Hayik, Seth	Monitoring Analytics	Not Applicable
Heinle, Frederick	Office of the People's Counsel for the District of Columbia	End-Use Customer
Herbert, Sebastian	DC Energy, LLC	Other Supplier
Herel, Suzanne	PJM Interconnection	Not Applicable
Hicks, Dave	Noble Americas Energy Solutions LLC	Other Supplier
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Holter, Natasha	PJM Interconnection	Not Applicable
Horger, Tim	PJM Interconnection	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Horton, Dana	Appalachian Power Company (AEP Generation)	Transmission Owner
Huang, Jame	Rockland Electric Company	Transmission Owner
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Huntoon, Stephen	Chesapeake Transmission LLC	Other Supplier
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group, LLC	Not Applicable
Iler, Arthur	Indiana Office of Utility Consumer Counselor	End-Use Customer
Janicki, Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jens, Thomas	Black Oak Capital, LLC	Other Supplier
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.	Not Applicable
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Kalle, Ibrahima	Tibiri Energy Group, LLC	Not Applicable
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Keech, Adam	PJM Interconnection	Not Applicable
Keegan, Jack	PJM Interconnection	Not Applicable
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier

Kharod, Ankit	PJM Interconnection	Not Applicable
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kimmel, David	PJM Interconnection	Not Applicable
Klein, Abram	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Konowal, Richard	PJM Interconnection	Not Applicable
Kopinski, John	ITC Mid-Atlantic Development LLC	Other Supplier
Kozhuharov, Dimitar	State Commissions	Not Applicable
Kuhn, Tyler	Citadel FNGE Ltd.	Other Supplier
Kuo, David	DC Energy, LLC	Other Supplier
Lee, George	BJ Energy, LLC	Other Supplier
Lee, Lori Murphy	PJM Interconnection	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lin, Michael	DC Energy, LLC	Other Supplier
Little, John	PSNC Energy	Not Applicable
LOWE, CONNIE	Virginia Electric & Power Company	Transmission Owner
Lynch, Ben	FirstEnergy Solutions Corp.	Transmission Owner
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Mancuso, Melanie	FirstEnergy Solutions Corp.	Transmission Owner
Mariam, Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Metzler, Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Murawski, Jim	PSEG Energy Resources and Trade LLC	Other Supplier
Nathan, Prabhakaran	MISO	Not Applicable
Nix, Emma	Gabel Associates	Not Applicable
Noonan, Casey	PJM Interconnection	Not Applicable
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko, Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Parsons, John	MIT	Not Applicable
patel, keyurbhai	PJM Interconnection	Not Applicable
Pelletier, Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Perera, Asanga	PJM Interconnection	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Powers, Sean	Messer LLC	End-Use Customer
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier

Price, Ruth	Delaware Division of the Public Advocate	End-Use Customer
Rainey, John	Northern Virginia Electric Cooperative (Generation)	Electric Distributor
Rajan ES, Abhijit	Virginia Electric & Power Company	Transmission Owner
Ramsey, James	Perast Fund LP	Other Supplier
Reeping, Bob	Ohio Edison Company (ATSI FRR)	Transmission Owner
Richards Jr, Cleveland	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Robinson, Becky	Vistra Energy	Not Applicable
Robson, Matt	SESCO Enterprises, LLC	Other Supplier
Rodriguez, Tomas	OPSI	Not Applicable
Rohrbach, John	Wabash Valley Power Association, Inc.	Electric Distributor
Rouland, James	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Sasser, Jonathan	Customized Energy Solutions, Ltd.	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Schaufele, Blake	Verano Energy Trading, LP	Other Supplier
Schneider, Kurt	FirstEnergy Solutions Corp.	Transmission Owner
Shanker, Roy	East Coast Power Linden Holdings, LLC	Generation Owner
Sillin, John	Federal Energy Regulatory Commission	Not Applicable
Singer, Chad	Trane Grid Services LLC	Other Supplier
Skucas, Ruta	Pierce Atwood	Not Applicable
Snyder, Sue	PJM Interconnection	Not Applicable
Sock, Bryan	Nautilus Power, LLC	Generation Owner
Solomon, Greg	NextEra Energy Marketing, LLC (AF)	Other Supplier
Sotkiewicz, Paul	E-Cubed Policy Associates	Not Applicable
Squibb, Bill	Ohio Valley Electric Corporation	Transmission Owner
Steele, Robert	Sanitas Power, LLC	Other Supplier
Stevens, Andrew	DC Energy, LLC	Other Supplier
Sweeney, Rory	GT Power Group, LLC	Not Applicable
Theodore, Sharon	EPSA	Not Applicable
Thompson, Matthew	XO Energy MA	Other Supplier
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Tighe, Andrea	CAPS	Not Applicable
Toomey, Megan	Talen Energy Marketing, LLC	Generation Owner
Trayers, Barry	PJM Interconnection	Not Applicable
Tribulski, Jennifer	PJM Interconnection	Not Applicable
VanAmburg, Cari	Recurrent Energy	Generation Owner
VanderLaan, William	Illinois Commerce Commission	Not Applicable
Wadsworth, Joseph	Vitol Inc.	Other Supplier
Ward, Michael	PJM Interconnection	Not Applicable

Whited, Michael	DC Energy Mid-Atlantic, LLC	Other Supplier
Whitehead, Jeffrey	GT Power Group, LLC	Not Applicable
Willey, Amy	Delaware Public Service Commission	Not Applicable
Wisersky, Megan	Madison Gas & Electric Co.	Other Supplier
Witt, Sally	East Kentucky Power Cooperative, Inc.	Transmission Owner
wynder, michael	PJM Interconnection	Not Applicable
XU, XU	PJM Interconnection	Not Applicable
Yi, Weili	Energy Authority, Inc. (The)	Other Supplier
Yoo, Kyungjin	Monitoring Analytics	Not Applicable
Yu, Wang	AXPO U.S. LLC	Other Supplier
Zemanek, Kevin	Buckeye Power, Inc.	Electric Distributor
Zhong, Wanyun	Pennsylvania Electric Company	Transmission Owner
Zhou, Ming	PSEG Energy Resources and Trade LLC	Other Supplier