

ARR FTR Market Task Force (AFMTF)

Webex

March 25, 2020

9:00 a.m. – 4:00 p.m. EPT

Administration (9:00-9:05)

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 February 19, 2020 meeting.

Process and Work Plan (9:05-9:10)

1. Mr. Dave Anders previewed the proceedings of the day.

Education (9:10-9:20)

2. Dr. William Hogan, Harvard University, gave a perspective on the ARR/FTR construct.

Initial Interest Identification (9:20-9:50)

3. Mr. Dave Anders and Ms. Emmy Messina conducted initial interest identification.

Education Continued (9:50-12:00)

4. Mr. Tim Horger provided education on the FTR point-to-point construct.
5. Mr. Brian Chmielewski presented additional education on the current ARR/FTR design and supporting metrics.

Break 10:50 – 11:00

6. Dr. Howard Haas, Monitoring Analytics, presented an example detailing congestion calculations.

Lunch 12:00 – 1:00

Other Region's Congestion Rights Markets (1:00-4:00)

7. Dr. Guillermo Bautiste Alderete, CAISO, presented on the CAISO Congestion Revenue Rights (CRR) market structure and statistics.
8. Mr. Donald House, ERCOT, presented on the ERCOT CRR market structure and statistics.

Future Agenda Items

Value Proposition of ARR/FTR Market

PJM's Current ARR/FTR Design

Interest Identification

Design Components

Future Meeting Dates

April 29, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
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

Author: Emmy Messina

Webex Meeting Attendees

Name	Company Name	Sector
Anders, David (Facilitator)	PJM Interconnection	Not Applicable
Messina, Emmy (Secretary)	PJM Interconnection	Not Applicable
Ali, Shadab	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Bautista, Guillermo	California ISO	Not Applicable
Bazar, Kevin	PJM Interconnection	Not Applicable
Bearden, Joel	XO Energy MA, L.P.	Other Supplier
Bernstein, Matthew	PJM Interconnection	Not Applicable
Bleiweis, Bruce	DC Energy, LLC	Other Supplier
Bowring, Joe	Monitoring Analytics	Not Applicable
Brodbeck, John	EDP Renewables North America LLC	Generation Owner
Bruce, Matt	MCG Energy	Not Applicable
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Buras, Josh	Calpine Energy Solutions, LLC	Other Supplier
Carmean, Gregory	OPSI	Not Applicable
Carrier, Ronald	Direct Energy Business, LLC	Other Supplier
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
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Cochran, Seth	DC Energy, LLC	Other Supplier
Cook, Michael	AEP Energy Partners, Inc.	Transmission Owner
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner

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
DePasquale, William	PJM Interconnection	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
Duensing, Allison	Saracen Energy East LP	Other Supplier
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Eklof, Nate	WPPI Energy	Other Supplier
Engle, Andrew	XO Energy MA	Other Supplier
Everngam, Scott	Blue Horseshoe Energy LLC	Not Applicable
fan, zhenyu	PJM Interconnection	Not Applicable
Feng, Julan	PJM Interconnection	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Findley, Samantha	Electrical Reliability Council of Texas	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
Francoeur, Rene	Red Wolf Energy Trading, LLC	Other Supplier
Gahimer, Michael	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Gibbs, Ike	Citadel Fnge Ltd.	Other Supplier
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gluck, Jim	PJM Interconnection	Not Applicable
Gorman, Kevin	The Highlands Energy Group, LLC	Other Supplier
Gorman, Kevin	The Highlands Energy Group, LLC	Other Supplier
Grau, Patrick	Apogee Energy Trading LLC	Other Supplier
Guo, JauJia	Appalachian Power Company (AEP Generation)	Transmission Owner
Haas, Howard	Monitoring Analytics	Not Applicable
Hastings, David	Market Interconnection Consulting Services (MICS)	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
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Hogan, Bill	Harvard University	Not Applicable
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
Horton, Dana	Appalachian Power Company (AEP Generation)	Transmission Owner
House, Donald	Electrical Reliability Council of Texas	Not Applicable
Howe, Keith	MCG Energy	Not Applicable
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.	Not Applicable
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Jones, Pete	Monterey MA LLC	Other Supplier
Kazerooni, Hamid	Invenergy, LLC	Generation Owner
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kharod, Ankit	PJM Interconnection	Not Applicable
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Klein, Abram	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Kozhuharov, Dimitar	State Commissions	Not Applicable
Kumar, Nikhil	Darby Energy, LLC	Other Supplier
Kuo, David	DC Energy, LLC	Other Supplier
Lamp, Jeff	Peak Energy Capital Lp	Other Supplier
Lee, George	Tower Research	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
Lynch, Ben	FirstEnergy Solutions Corp.	Transmission Owner
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Mancuso, Melanie	FirstEnergy Solutions Corp.	Transmission Owner
Manders, Maarten	Danske Commodities US LLC	Other Supplier
Mariam, Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Mehta, Chirag	Durable Power	Not Applicable
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
Noonan, Casey	PJM Interconnection	Not Applicable
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, Keyur	PJM Interconnection	Not Applicable
Perera, Asanga	PJM Interconnection	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Price, Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Price, Ruth	Delaware Division of the Public Advocate	End-Use Customer
Rajan ES, Abhijit	Dominion Virginia Power	Transmission Owner
Ramsey, James	Perast Fund LP	Other Supplier
Ramsey, James	Perast Fund LP (Suffolk)	Other Supplier
Reeping, Bob	Ohio Edison Company (ATSI FRR)	Transmission Owner
Robinson, Becky	Vistra Energy	Not Applicable
Robson, Matt	SESCO Enterprises, LLC	Other Supplier
Rosenberg, Michael	None	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.	Not Applicable
Schneider, Kurt	FirstEnergy Solutions Corp.	Transmission Owner
Schreim, Morris	MD PSC	Not Applicable
Shanker, Roy	East Coast Power Linden Holdings, LLC	Generation Owner
Sheehan, Shawn	XO Energy MA	Other Supplier
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Sock, Bryan	Cogentrix	Not Applicable
Solomon, Greg	NextEra Energy Marketing, LLC (AF)	Other Supplier
Squibb, Bill	Ohio Valley Electric Corporation	Transmission Owner
Stevens, Andrew	DC Energy, LLC	Other Supplier
Sturgeon, John	Duke Energy Business Services LLC	Transmission Owner
Suh, Jung	Calpine Energy Solutions, LLC	Other Supplier
Sweeney, Rory	GT Power Group	Not Applicable
Thompson, Matthew	XO Energy MA	Other Supplier
Tibbetts, Maeve	Pierce Atwood	Not Applicable
Toomey, Megan	Talen Energy Marketing, LLC	Generation Owner
Torres, Maria	Active Power Investments	Not Applicable
Tournois, Pierre	Durable Power	Not Applicable
VanderLaan, William	Illinois Commerce Commission	Not Applicable
Wadsworth, Joseph	Vitol Inc.	Other Supplier

Ward, Michael	PJM Interconnection	Not Applicable
Whitehead, Jeffrey	GT Power Group	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
Wood, Gordon	ETC Endure Energy L.L.C.	Other Supplier
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
Zemanek, Kevin	Buckeye Power, Inc.	Electric Distributor
Zhao, Rongda	Dominion Virginia Power (LSE)	Not Applicable
Zhong, Wanyun	FirstEnergy Solutions Corp.	Transmission Owner
Zhou, Ming	PSEG Energy Resources and Trade LLC	Other Supplier
Zhu, Min	Jane Street Energy Trading, LLC	Other Supplier