

Energy Price Formation Senior Task Force (EPFSTF)

Webex Only

April 20, 2022

9:00 a.m. - 12:00 p.m. EPT

Issue Tracking: [Operating Reserve Demand Curve \(ORDC\) & Transmission Constraint Penalty Factors](#)

Administration

1. Susan Kenney, facilitator, provided a welcome and announcements. Andrea Yeaton, secretary, reviewed the Anti-trust, Code of Conduct, and Public Meetings/Media Participation.

Stakeholders approved draft minutes from the April 5, 2022 Energy Price Formation Senior Task Force (EPFSTF) meeting.

Review Work Plan

2. Susan Kenney reviewed the Work Plan.

Education

3. Keyur Patel took questions on the narrative that was posted on 4/4/2022 to support the Energy and Reserves co-optimization education that was presented at the 3/16/2022 EPFSTF meeting.
4. Angelo Marcino reviewed education previously presented on Energy and Reserve Price Capping logic implemented and under discussion in other ISOs. Stakeholders were encouraged to share feedback on experience with other ISOs design to help drive package options.
5. Danielle Croop presented Circuit Breaker Trigger analysis for discussion.

CBIR

6. Susan Kenney led a discussion to review and discuss changes to Design Components and Solution Options and focus on new and revised Packages. All participants were encouraged to provide their input.

Future Agenda Items

- The next EPFSTF meeting on 5/6/2022 will focus on the Transmission Constraint Penalty Factor, but some portion may also be a continuation of the CBIR process for the Circuit Breaker.
- Several data analysis requests were made during the meeting. PJM will meet with the requestors offline to determine feasibility.

Author: Andrea Yeaton

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location		
5/6/2022	9:00 am to 12:00 pm	WebEx	4/28/2022	5/3/2022
5/23/2022	9:00 am to 12:00 pm	WebEx	5/13/2022	5/18/2022
6/3/2022	9:00 am to 12:00 pm	WebEx	5/25/2022	5/31/2022
6/30/2022	9:00 am to 4:00 pm	WebEx	6/22/2022	6/27/2022
07/19/2022	9:00 am to 12:00 pm	WebEx	7/11/2022	7/14/2022
8/15/2022	9:00 am to 4:00 pm	WebEx	8/5/2022	8/10/2022

Attendees

Name	Company Name	Sector
Kenney, Susan (Facilitator)	PJM Interconnection, LLC	None
Yeaton, Andrea (Secretary)	PJM Interconnection, LLC	None
Abdur-Rahman, Muhsin	ABB Enterprise Software Inc.	None
Baizman, Aaron	PJM Interconnection, LLC	None
Baker, Scott	PJM Interconnection, LLC	None
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Boyle, Glen	PJM Interconnection, LLC	None
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Bruce, Susan	McNees Wallace & Nurick LLC	None
Bruno, Patrick	PJM Interconnection, LLC	None
Callen, Zachary (Zac)	Illinois Commerce Commission	None
Canter, David	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Cao, Roger	PJM Interconnection, LLC	None
Carmean, Gregory	OPSI	None
Carrier, Ronald (Ron)	Big Lake Consulting	None
Carroll, Rebecca	PJM Interconnection, LLC	None
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen, Hong	PJM Interconnection, LLC	None
Chmielewski, Brian	PJM Interconnection, LLC	None
Christopher, Mahila	Public Utilities Commission of Ohio (The)	None
Chu, George	PJM Interconnection, LLC	None
Corash, Richard	PSEG Energy Resources & Trade LLC	Other Supplier
Coyle, Billy	Dominion Virginia Power	None
Croop, Danielle	PJM Interconnection, LLC	None
Curtis, Kenneth	Drilling Info, Inc.	None

Dailey, Michael	Northern Virginia Electric Cooperative	Electric Distributor
D'Antonio, Phil	PJM Interconnection, LLC	None
Davis, James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Downs, Jere	PJM Interconnection, LLC	None
Drom, Richard (Rick)	Eckert Seamans	None
Fan, Zhenyu	PJM Interconnection, LLC	None
Fereshetian, Damon	PJM Interconnection, LLC	None
Filomena, Guy	Customized Energy Solutions, Ltd.*	None
Fink, Sari	American Clean Power Association	None
Fitzpatrick, Brian	PJM Interconnection, LLC	None
Foladare, Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess, Christian	PBF Power Marketing, LLC	Generation Owner
Gates, Terry	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Gorman, Brad	American Transmission Systems, Inc.	Transmission Owner
Graf, Walter	PJM Interconnection, LLC	None
Granstrand, Luke	Dominion Virginia Power	None
Guntle, Vince	American PowerNet Management	End-Use Customer
Hastings, David	Market Interconnection Consulting Services (MICS)	None
Hauske, Thomas	PJM Interconnection, LLC	None
Heinle, Frederick (Erik)	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Hoatson, Thomas (Tom)	Riverside Generating, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horger, Tim	PJM Interconnection, LLC	None
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	None
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hough, Dennis	PJM Interconnection, LLC	None
Hsia, Eric	PJM Interconnection, LLC	None
Hu, Yong	PJM Interconnection, LLC	None
Hyatt, John	Monitoring Analytics, LLC	None
Hyzinski, Tom	GT Power Group	None
Iler, Arthur (Art)	Indiana Office of Utility Consumer Counsel	End-Use Customer
Jardot, Gina	Essential Power Rock Springs, LLC	Generation Owner
Jett, William (Bill)	Duke Energy Business Services LLC	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	None
Johnston, David	Indiana Utility Regulatory Commission	None
Kalaskar, Rahul	AES Ohio Generation, LLC	Generation Owner

Kayne, Samuel	State of Delaware	None
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Knotts, Pamela	DE Public Service Commission	None
Kogut, George	New York Power Authority	Other Supplier
Mabry, David	McNees Wallace & Nurick LLC	None
Marcino, Angelo	PJM Interconnection, LLC	None
Matheson, Eric	Pennsylvania Public Utility Commission	None
McAnany, James	PJM Interconnection, LLC	None
McDewell, Christian	Commonwealth of PA	None
McGlynn, Paul	PJM Interconnection, LLC	None
Mendelsohn, Mark	Noble Americas Gas & Power Corp.	Other Supplier
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Militello, Nicole	PJM Interconnection, LLC	None
Mooney, Jeffrey	Pennsylvania Electric Company (NUGS)	Electric Distributor
Morrow, Brian	East Kentucky Power Cooperative, Inc.	Transmission Owner
Moye, Bob	Rainbow Energy Marketing Corporation	Other Supplier
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Okenfuss, James	Savion, LLC	None
Olaleye, Michael	PJM Interconnection, LLC	None
Ondayko, Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyurbhai (Keyur)	PJM Interconnection, LLC	None
Peoples, John	Duquesne Light Company	Transmission Owner
Perera, Asanga	PJM Interconnection, LLC	None
Poulos, Greg	CAPS	None
Robinson, Becky	Vista Energy Marketing, L.P.	Other Supplier
Rohrbach, John	Wabash Valley Power Association, Inc.	Electric Distributor
Ruck, Andrew	Freepoint Commodities LLC	Other Supplier
Rutledge, Craig	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	None
Scarpignato, David (Scarp)	Calpine Energy Services, L.P.	Generation Owner
Schmitt, David	New Jersey Board of Public Utilities	None
Schwarz, Stephanie	PJM Interconnection, LLC	None
Servera, Max	Unicia Energy LP	Other Supplier
Shah, Vijay	PJM Interconnection, LLC	None
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sotkiewicz, Paul	E-Cubed Policy Associates	None
Squibb, Bill	Ohio Valley Electric Corp	Transmission Owner
Stickney, Michael	Duke Energy Corporation	Other Supplier

Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	GT Power Group	None
Tyler, Catherine	Monitoring Analytics, LLC	None
Walcavich, Colin	National Grid Renewables, LLC	None
Wangdi, Tsering	TransAlta Energy Marketing (U.S.) Inc.	Other Supplier
Ward, Michael	PJM Interconnection, LLC	None
Warshel, Kim	PJM Interconnection, LLC	None
Whitehead, Jeffrey	GT Power Group	None
Wilches, Rafael	Public Service Electric & Gas Company	Transmission Owner
Wilson, James	Wilson Energy Economics	None
Yeh, Cynthia	Dominion Energy Generation Marketing, Inc.	Generation Owner
Yoder, Michael	RTO Insider	None
Zhang, Michael (Mike)	PJM Interconnection, LLC	None
Zhao, Tong	PJM Interconnection, LLC	None