

**DER and Inverter-based Resources Subcommittee – EDC Coordination workshop on DER
WebEx Only
March 15, 2021
9:00 a.m. – 11:00 a.m. ET**

Administration (9:00 – 9:15)

1. Scott Baker opened the meeting and reviewed the agenda.
2. Hamad Ahmed reviewed the meeting participation guidelines.
3. Danielle Croop provided an update on the staff straw proposal.
 - Danielle welcomed stakeholder feedback regarding the timing of the straw proposal and commented that PJM was leaning towards issuing a straw proposal in presentation form, with an accompanying matrix, at the 3/31 DIRS meeting.

Order 2222 – RTO/Distribution Utility/DER Aggregator Operational Coordination (9:15 – 10:55)

4. Stakeholders discussed metering and telemetry options for individual DER and DER Aggregations. Stakeholders and staff discussed the usefulness of bringing more detailed metering examples to a future workshop.

Action items and next meeting agenda (10:55 – 11:00)

5. The facilitation team reviewed action items from the meeting and took requests for future agenda items.

Future Meeting Dates

March 31, 2021	9:00 – 4:00	WebEx
April 16, 2021 – EDC Workshop	10:00 – 12:00	WebEx
April 28, 2021	9:00 – 4:00	WebEx
May 05, 2021 – EDC Workshop	1:00 – 3:00	WebEx
May 17, 2021	9:00 – 4:00	WebEx
June 28, 2021	9:00 – 4:00	WebEx
July 23, 2021	9:00 – 4:00	TBD
August 16, 2021	9:00 – 12:00	TBD
September 14, 2021	9:00 – 12:00	TBD
October 13, 2021	9:00 – 12:00	TBD
November 16, 2021	9:00 – 12:00	TBD
December 14, 2021	9:00 – 12:00	TBD

Author: Hamad Ahmed

WebEx meeting Attendance

Name	Company Name	Sector
Ahmad, Syed	Federal Energy Regulatory Commission	
Ahmed, Hamad	PJM Interconnection	None

Ainspan, Malcolm	NRG Curtailment Solutions, Inc.	Other Supplier
Ali, Shadab	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Allen, William	Commonwealth Edison Company	Transmission Owner
Anders, David	PJM Interconnection	None
Arnold, Katelyn	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Arsalan, Qamar	Public Service Electric & Gas Company	Transmission Owner
Baker, Jeff	PJM Connect	
Baker, Scott	PJM Interconnection	None
Baur, Sean	GlidePath Power Operations LLC	Generation Owner
Beam, George	PPL Elec Utilities Corp dba PPL Utilities (PPL POLR Small C&I)	Transmission Owner
Beban, Madalyn	PJM Interconnection	None
Benckek, Jim	FirstEnergy Corporation	
Bennett, Stephen	PJM Interconnection	None
Bernabeu, Emanuel	PJM	
Besz, Matthew	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Bhana, Rajesh	Exelon Business Services Company, LLC	Transmission Owner
Bielak, Donnie	PJM Interconnection	None
Borgatti, Michael	PJM Committee Voting Generic Account	
Borkoski, John	MD Public Service Commission	
Bowring, Joe	Monitoring Analytics	
Breidenbaugh, Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Brodbeck, John	EDP Renewables North America LLC	Generation Owner
Brooks, Richard	Reliable Energy Analytics LLC	
Bryson, Michael	PJM Internal	
Burnham, Kat	Advanced Energy Economy (AEE)	
Burns, Kevin	Open Access Technology International, Inc.	
Callen, Zachary	Illinois Commerce Commission	
Campbell, Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canter, David	Appalachian Power Company (AEP Generation)	Transmission Owner
Cavan, Peter	Direct Energy Business Marketing, LLC	Other Supplier
Chakragiri, Mohan	ENGIE Energy Marketing NA, Inc. (Bluestone)	Other Supplier
Cham, Edrissa	Savion, LLC	
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chmielewski, Brian	PJM Interconnection	None
Christopher, Mahila	Public Utilities Commission of Ohio	
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Connelly, Nancy	Duke Energy Ohio, Inc.	Transmission Owner

Croop, Danielle	PJM Interconnection	None
D'Alessandris, Louis	American Transmission Systems, Inc.	Transmission Owner
Davis, Elizabeth	PJM Interconnection	None
DeBleeckere, Tricia	Minnesota Public Utilities Commission	
Delaney, Liz	Borrego Solar	
DeLosa, Joseph	New Jersey Board of Public Utilities	
DeVita, Thomas	PJM Interconnection	None
DiNicola, Laura	firstenergy	
Diong, Mamadou	Dominion Virginia Power	Transmission Owner
Dolan, Ryan	Dayton Power & Light Company (The EDC)	Transmission Owner
Domian, Christin	Duquesne Light Company	Transmission Owner
Downs, Jere	PJM Connect	
Drom, Rick	Rick Drom	
Dropkin, Ilyana	PJM Interconnection	None
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection	None
Elkins, Rachel	American Transmission Systems, Inc.	Transmission Owner
Ellis, David	Public Service Electric & Gas Company	Transmission Owner
fan, zhenyu	PJM Interconnection	None
Filomena, Guy	Customized Energy Solutions, Ltd.	None
Fleisher, Madeline	Dickinson Wright PLLC	
Foladare, Kenneth	Geenex Solar LLC	Generation Owner
Foley, Sheila	PJM Interconnection	None
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Foster Cronin, Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Frogg, Darrell	PJM Interconnection	None
Gahimer, Michael	Indiana Office of Utility Consumer Counselor (IN OUCC)	
Gates, Jill	PJM Interconnection	
Gates, Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gebolys, Debbie	Other	
Genuario, Gabrielle	PJM Interconnection	None
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Glatz, Suzanne	PJM Interconnection	None
Glazer, Craig	PJM Interconnection	None
Granstrand, Luke	Dominion Virginia Power	
Greening, Michele	PJM Interconnection	None
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer

Hanser, Erik	Michigan Public Service Commission	
Hartman, Gary	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Heinle, Frederick	Office of the Peoples Counsel	
Hirsh, Chad	Duquesne Light Company	Transmission Owner
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Horning, Lynn Marie	Customized Energy Solutions, Ltd.	None
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hsia, Eric	PJM Interconnection	None
Hugee, Jacquelyn	PJM Interconnection	None
Hull, Gerit	American Municipal Power, Inc.	Electric Distributor
Hunter, Benjamin	BSHunter	
Hyzinski, Tom	gtgghyzinsk	
Iler, Arthur	Indiana Office of Utility Consumer Counselor	
Janicki, Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot, Gina	NRG Curtailment Solutions, Inc.	Other Supplier
Jett, William	Duke Energy Business Services LLC	Transmission Owner
Jha, Monica	PCI	
Johnson, Augustus	Dominion Virginia Power (EDC)	Transmission Owner
Johnson, Bethany	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.	None
Johnson, Nathaniel	Appalachian Power Company (AEP Generation)	Transmission Owner
Johnston, David	Other	
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kennedy, Thomas	Commonwealth Edison Company	
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kirk, Ryan	Appalachian Power Company (AEP Generation)	Transmission Owner
Koehler, Nicolas	Appalachian Power Company (AEP Transmission)	Transmission Owner
Kogut, George	New York Power Authority	Other Supplier
Kozuharov, Dimitar	State Commissions	
Lee, Lori Murphy	PJM Interconnection	None
Levitt, Benjamin	IHS Markit	
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
LOWE, CONNIE	Dominion Virginia Power	Transmission Owner
Luo, Xiaochuan	ISO New England Inc	

Lyakhovich, Leonid	Public Service Electric & Gas Company	Transmission Owner
Mabry, David	McNees Wallace & Nurick LLC	
Mariam, Yohannes	Office of the People's Counsel for the District of Columbia	
martin, Valerie	Federal Energy Regulatory Commission	
mason, julie	Duke Energy Ohio, Inc.	Transmission Owner
Matheson, Doug	Enel X North America, Inc.	Other Supplier
McGlynn, Paul	PJM Interconnection	None
McInerney, Timothy	Commonwealth Edison Company	Transmission Owner
Mehta, Gaurav	Enel Trading North America, LLC	Other Supplier
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller, John	Commonwealth Edison Company	Transmission Owner
Mirabile, James	Baltimore Gas and Electric Company	Transmission Owner
Morelli, Lisa	PJM Interconnection	None
Muhl, Nancy	PJM Interconnection	None
Nix, Emma	Jersey Green Energy LLC	Other Supplier
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
nyemko, masha	PJM Interconnection	None
Ofoegbu, Chidi	American Transmission Company - Retired	
Parker, Amanda	Pennsylvania Electric Company	Electric Distributor
Parkison, Sara	University of Delaware	
Phillips, Darlene	PJM Interconnection	None
Pieniasek, Marie	NRG Curtailment Solutions, Inc.	Other Supplier
Pilong, Christopher	PJM Interconnection	None
Placide, Scott	Potomac Electric Power Company	Electric Distributor
Polka, Joseph	Duquesne Light Company	Transmission Owner
Poulos, Greg	PJM Committee Voting Generic Account	
Pratt, Nicholas	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Price, Ruth	Delaware Division of the Public Advocate	
Purdie, Michael	Dominion Virginia Power	Transmission Owner
Reagan, Ryann	New Jersey Board of Public Utilities	
REILLY, Jim	Reilly Associates	
Robinson, Becky	vista energy	
Rodriguez, Tomas	Organization of PJM States, Inc.	
Rohrbach, John	Wabash Valley Power Association, Inc.	Electric Distributor
Rooney, Alexa	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Rosenblatt, Alex	Duquesne Light Company	Transmission Owner
Rouland, James	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner

Rumsey, Amanda	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Salet, Sal	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	
Sasser, Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Scheirer, Alexandra	PJM Interconnection	None
Schisler, Kenneth	Enerwise Global Technologies, LLC	
Schuyler, Ken	PJM Interconnection	None
Seiler, Kenneth	PJM Interconnection	None
Seireg, Bahaa	Rockland Electric Company	Transmission Owner
Sells, Scott	East Kentucky Power Cooperative, Inc.	Transmission Owner
Shearer, Evan	Duke Energy Business Services LLC	Transmission Owner
Sherman, Robert	PJM Connect	
Shukla, Tanmay	Environmental Law and Policy Center	
Sims, Ryan	Interstate Gas Supply, Inc.	Other Supplier
Singh, Mohit	Commonwealth Edison Company	Transmission Owner
Solomon, Greg	Peak Power Inc	
Sorrels, James	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Stefanowicz, Vincent	PJM Interconnection	None
Stein, Ed	Ohio Edison Company	Electric Distributor
Stern, Alexander	Public Service Electric & Gas Company	Transmission Owner
Sun, Haibin	Exelon Business Services Company, LLC	Transmission Owner
Svenson, Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney, Rory	GT Power Group, LLC	None
Swenson, Kristin	Midcontinent Independent Sys Op, Inc. (CTS)	
Tacka, Natalie	PJM Interconnection	None
Taylor, Robert	Commonwealth Edison Company	Transmission Owner
Teeter, Valerie	Exelon Business Services Company, LLC	Transmission Owner
Thiel, Stephen	Commonwealth Edison Company	Transmission Owner
Thundiyil, Kevin	Exelon Generation Co., LLC (NEV_XLON)	Generation Owner
Tighe, Andrea	CAPS	
Tobia, James	FirstEnergy Services	
Tribulski, Jennifer	PJM Interconnection	None
Tyler, Catherine	Monitoring Analytics	
Walch, Ian	Enchanted Rock, LLC	
Walker, Jacqueline	Duke Energy Business Services LLC	
Walter, Laura	PJM Interconnection	None

Watson, Betty	Affirmed Energy LLC	Other Supplier
Weber, Adam	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Wehnes, Kathleen	Maryland Department of the Environment	
Wehr, Christopher	Ohio Edison Company (EDC)	Electric Distributor
White, Brett	Brett White	
White, Earnest	Virginia State Corporation Commission	
Whitehead, Jeffrey	GT Power Group	
Wicks, Tonja	Duquesne Light Company	Transmission Owner
Willey, Amy	Delaware Public Service Commission	
Wilmoth ES, Emily	Dominion Virginia Power	Transmission Owner
Wilson, De Andre	Maryland Public Service Commission	
Wisersky, Megan	Madison Gas & Electric Co.	Other Supplier
Wolfe, Alice	Blue Ridge Power Agency, Inc.	Electric Distributor
Wray, Gizelle	Solar Energy Industries Association (SEIA)	
Xenopoulos, Damon	Other	
Yeaton, Andrea	PJM Interconnection	None
Yoo, Kyungjin	Monitoring Analytics	
Yoo, Kyungjin	Monitoring Analytics	
Yu, Joel	Enchanted Rock	

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:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

Participant Identification in WebEx:

When logging into the WebEx desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors WebEx connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

<p>On the Phone, Dial</p>  <p>to Mute/Unmute</p>	<p>Linking Teleconference Connection to Webex</p> <p>When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.</p>
--	---

Join a Meeting

1. Join meeting in the Webex desktop client
2. Enter name (*First and Last**) and corporate email
3. Under "Select Audio Option" select "Call Me" option from the dropdown menu

**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.