

**DER and Inverter-based Resources Subcommittee – EDC Coordination workshop on DER
WebEx Only
February 11, 2021
2:00 p.m. – 4:00 p.m. ET**

Administration (2:00 – 2:05)

1. Scott Baker opened the meeting and reviewed the agenda.
2. Hamad Ahmed reviewed the meeting participation guidelines.

Thomas DeVita, PJM, stated that PJM has not made a final decision on requesting an extension on the compliance filing for Order 2222, but said that PJM was leaning more towards a 6 month extension rather than a 3 month extension, as discussed at a prior meeting. Multiple stakeholders in the meeting, mostly TOs, expressed support for a 6 month extension.

Order 2222 – RTO/Distribution Utility/DER Aggregator Operational Coordination (2:05 – 3:55)

3. Stakeholders continued to workshop concepts around an operational framework for DER Aggregation.
 - a. Donnie Bielak, PJM, briefly discussed evolving draft operational coordination framework and highlighting key areas around communication and management model between PJM, aggregator and the utility.
 - b. Sal Salet, PPL utilities, discussed EDC/TO coordination/communication framework for operational dispatch and override. Sal deliberated different challenges surrounding operating a dynamic distribution grid and highlighted automation as a possible solution. Sal also discussed different EDC communication and management models.
 - c. Various representatives from different EDC's provided their insight and discussed numerous challenges from their perspective highlighting that optionality when it comes to coordination frameworks will be crucial, as all utilities will be in a different phase of grid modernization. EDC's also discussed reliability and customer benefits and how the grid is evolving.

Action items and next meeting agenda (3:55 – 4:00)

4. The facilitation team will reviewed action items from the meeting.

Future Meeting Dates

March 3, 2021	9:00 – 4:00	WebEx
March 15, 2021 – EDC Workshop	9:00 – 11:00	WebEx
March 31, 2021	9:00 – 4:00	WebEx
April 28, 2021	9:00 – 4:00	WebEx
May 5, 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	WebEx
August 16, 2021	9:00 – 12:00	TBD
September 14, 2021	9:00 – 12:00	TBD

October 13, 2021
 November 16, 2021
 December 14, 2021

9:00 – 12:00
 9:00 – 12:00
 9:00 – 12:00

TBD
 TBD
 TBD

Author: Hamad Ahmed

WebEx Meeting Attendees

Name	Company Name	Sector
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
Anderson, Jared	American Transmission Company - Retired	
Arnold, Katelyn	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	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
Bencheck, Jim	FirstEnergy Corporation	
Bennett, Stephen	PJM Interconnection	None
Bernabeu, Emanuel	PJM	
Berner, Aaron	PJM Interconnection	None
Bhana, Rajesh	Exelon Business Services Company, LLC	Transmission Owner
Bielak, Donnie	PJM Interconnection	None
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
Brophy, Richard	New York State Electric & Gas Corporation	Other Supplier
Bryson, Michael	PJM Internal	

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
Caven, Augustine	PJM Interconnection	None
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
Christopher, Mahila	Public Utilities Commission of Ohio	
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Collette, Lucas	Duquesne Light Company	Transmission Owner
Connelly, Nancy	Duke Energy Ohio, Inc.	Transmission Owner
Croop, Danielle	PJM Interconnection	None
Dailey, Michael	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
D'Alessandris, Louis	American Transmission Systems, Inc.	Transmission Owner
Davis, Elizabeth	PJM Interconnection	None
Davis, James	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeBleekere, Tricia	Minnesota Public Utilities Commission	
DeLosa, Joseph	New Jersey Board of Public Utilities	
DeVita, Thomas	PJM Interconnection	None
DiNicola, Laura	firstenergy	
Diong, Mamadou	Dominion Virginia Power	Transmission Owner
Dixon, Chad	Customized Energy Solutions, Ltd.	None
Dolan, Ryan	Dayton Power & Light Company (The) (EDC)	Transmission Owner
Domian, Christin	Duquesne Light Company	Transmission Owner
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
Fee, George	Appalachian Power Company (AEP Generation)	Transmission Owner
Felt, Justin	Baltimore Gas and Electric Company (Residential)	
Filomena, Guy	Customized Energy Solutions, Ltd.	None
Fleisher, Madeline	Dickinson Wright PLLC	
Foladare, Kenneth	Genex 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	
Genuario, Gabrielle	PJM Interconnection	None
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Glatz, Suzanne	PJM Interconnection	None
Glazer, Craig	PJM Interconnection	None
Greening, Michele	PJM Interconnection	None
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Hanser, Erik	Michigan Public Service Commission	
Hartman, Gary	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Hasan, Prusha	Advanced Energy Economy	
Hastings, David	PJM Committee Voting Generic Account	
Heinle, Frederick	Office of the Peoples Counsel	
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
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	gtppghyzinsk	
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, Carl	Customized Energy Solutions, Ltd.	None
Johnson, Nathaniel	Appalachian Power Company (AEP Generation)	Transmission Owner
Johnston, David	Other	
Kalle, Issiaga	Tibiri Energy Group, llc	
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
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
Krauthamer, Michael	EV Advisors	
Lee, Lori Murphy	PJM Interconnection	None
Levitt, Andrew	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	
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	

McGlynn, Paul	PJM Interconnection	None
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mirabile, James	Baltimore Gas and Electric Company	Transmission Owner
Morelli, Lisa	PJM Interconnection	None
mousa, Ahmed	Public Service Electric & Gas Company	Transmission Owner
Muhl, Nancy	PJM Interconnection	None
Nadel, Steven	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Nix, Emma	Jersey Green Energy LLC	Other Supplier
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
nyemko, masha	PJM Interconnection	None
Okenfuss, James	Savion, LLC	
Parker, Amanda	Pennsylvania Electric Company	Electric Distributor
Parkison, Sara	University of Delaware	
patel, keyurbhai	PJM Interconnection	None
Phillips, Darlene	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
Rainey, John	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
REILLY, Jim	Reilly Associates	
Robinson, Becky	vistra 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
Rutigliano, Tom	Natural Resources Defense Council	
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
Shukla, Tanmay	Environmental Law and Policy Center	
Singh, Mohit	Commonwealth Edison Company	Transmission Owner
Skumanich, Bill	RTR Energy Solutions LLC	None
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
Thundiyl, Kevin	Exelon Generation Co., LLC (NEV_XLON)	Generation Owner
Tobia, James	FirstEnergy Services	
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, 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	
Yu, Joel	Enchanted Rock	

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