

## DER and Inverter-based Resources Subcommittee

WebEx Only

May 31, 2022

9:00 a.m. – 12:30 p.m. ET

### Administration (9:00 – 9:15)

1. Scott Baker, chair, opened the meeting and reviewed the agenda.
2. Chris Callaghan, secretary, reviewed the meeting participation guidelines and minutes from the last meeting.
3. Scott Baker reviewed updates to the DIRS work plan, notably the updated work plan for the Hybrids Phase II effort.

### Hybrid Resources (9:15 – 10:05)


4. Andrew Levitt, PJM, provided an update on the re-filing of the Hybrids Phase I FERC filing (ER22-1420), noting that the expected implementation date of the Phase 1a proposal (mostly Tariff definitions) is now July 13, 2022.
5. Andrew Levitt, PJM, presented a market participation example for solar-battery mixed technology facilities, including market participation options for both co-located and hybrid market models.
6. Andrew Levitt, PJM, provided a courtesy review of draft business manual language associated with the Hybrids Phase I filing. Draft language for manuals affected manuals will be reviewed with the subcommittee prior to their first read at the appropriate standing committees (MIC, OC).
7. Andrew Levitt, PJM, reviewed solution options in the Hybrids Phase II matrix.
  - a. PJM requested comments, questions, and/or alternative suggestions for the June 20, 2022 meeting.

### Order 2222 (10:05 – 12:15)

8. Thomas DeVita and Danielle Croop, PJM, addressed the request for information issued by FERC in response to PJM's Order 2222 filing and solicit stakeholder feedback.
  - a. PJM will notify the DIRS email distribution group regarding updates on PJM's extension request. This extension would move the PJM response due date to July 7th.
  - b. PJM requested stakeholder input on the RFI questions by June 14, 2022.
  - c. The posted material was reposted with minor edits/additions.
9. Joint Utilities provided material for discussion regarding the Component DER Pre-Registration & DER Aggregation Registration, and provide an overview of the utility DER Aggregation study process.

## Wrap-up and Action items (12:15 – 12:30)

10. The facilitation team reviewed action items from the meeting and take requests for future agenda items.

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location	5 p.m.	4 p.m.
June 20, 2022	9:00 – 4:00	WebEx	June 10, 2022	June 15, 2022
July 20, 2022	9:00 – 4:00	WebEx	July 12, 2022	July 15, 2022
August 30, 2022	9:00 – 4:00	WebEx	August 22, 2022	August 25, 2022
September 22, 2022	9:00 – 3:00	WebEx	September 14, 2022	September 19, 2022
October 21, 2022	9:00 – 12:00	WebEx	October 13, 2022	October 18, 2022
November 28, 2022	9:00 – 12:00	WebEx	November 18, 2022	November 23, 2022
December 15, 2022	1:00 – 4:00	WebEx	December 07, 2022	December 12, 2022

Author: Chris Callaghan

## WebEx Meeting Attendance

Last Name	First Name	Company	Sector
Anders	David	PJM Interconnection, LLC	None
Bair	Michele	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Baker	Scott	PJM Interconnection, LLC	None
Baker	Scott	PJM Interconnection, LLC	None
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Beam	George	Talen Energy Marketing, LLC	Generation Owner
Beban	Madalyn	PJM Interconnection, LLC	None
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett	Daniel (Dan)	PJM Interconnection, LLC	None
Borum III	Larry	Illinois Commerce Commission	None
Bothwell	Cynthia	DOE Wind Energy Technologies Office	ZZZZZZ
Brahman	Azade	Orsted US Trading LLC	Other Supplier
Breidenbaugh	Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Bryson	Michael (Mike)	PJM Interconnection, LLC	None
Callaghan	Chris	PJM Interconnection, LLC	None
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Carmean	Gregory	OPSI	None
Christopher	Mahila	Public Utilities Commission of Ohio (The)	None
Clifford	Kyle	PECO Energy Company	Transmission Owner
Colaesi	Chandra	Cpower Energy Management	None

Connelly	Nancy	Duke Energy Ohio, Inc.	Transmission Owner
Corash	Richard (Rich)	PSEG Energy Resources & Trade LLC	Other Supplier
Croop	Danielle	PJM Interconnection, LLC	None
D'Alessandris	Lou	FirstEnergy Corporation	Transmission Owner
D'Antonio	Phil	PJM Interconnection, LLC	None
Davis	James (Jim)	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis	David	Strata Solar	None
DeVita	Thomas	PJM Interconnection, LLC	None
Diong	Mamadou	Dominion Virginia Power	None
Disciullo	Nicholas	PJM Interconnection, LLC	None
Dolan	Ryan	Dayton Power & Light Company (The)	Transmission Owner
Dorner	Amber	Consolidated Edison Company of New York, Inc	Transmission Owner
Drom	Richard (Rick)	Eckert Seamans	None
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Edmonds	Brian	DC Public Service Commission	None
Egan	David	PJM Interconnection, LLC	None
Ellis	David	Public Service Electric & Gas Company	Transmission Owner
Esquivel	Manuel	Enel North America	ZZZZZZ
Fan	Zhenyu	PJM Interconnection, LLC	None
Felt	Justin	Baltimore Gas and Electric Company	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.*	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fink	Sari	American Clean Power Association	None
Foladare	Kenneth (Ken)	Geenex Solar LLC	Other Supplier
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Frogg	Darrell	PJM Interconnection, LLC	None
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Gates	Terry	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Glatz	Suzanne (Sue)	PJM Interconnection, LLC	None
Goka	Nekabari	Exelon Business Services Company, LLC	Transmission Owner
Gordon	Brad	PJM Interconnection, LLC	None
Grisolia	Albert	Public Service Electric & Gas Company	Transmission Owner
Gunn	Garan	Public Service Electric & Gas Company	Transmission Owner
Guntle	Vince	American PowerNet Management	End-Use Customer
Hartman	Gary	Talen Energy Marketing, LLC	Generation Owner
Hastings	David	Market Interconnection Consulting Services (MICS)	None
Hauske	Thomas	PJM Interconnection, LLC	None
Herel	Suzanne	PJM Interconnection, LLC	None
Himmelspach	Treasa	AEP Appalachian Transmission Company, Inc.	Transmission Owner

Horning	Lynn Marie	Customized Energy Solutions, Ltd.*	None
Hough	Dennis	PJM Interconnection, LLC	None
Hughes	Steven	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hyzinski	Tom	GT Power Group	None
Jamshidian	Farhad	OSI Digital Grid Solutions	None
Janicki	Diane	Boston Energy Trading & Marketing, LLC	Other Supplier
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
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kogut	George	New York Power Authority	Other Supplier
Konala	Venkat	Urban Grid Solar Projects, LLC	Other Supplier
Lai	Erin	PJM Interconnection, LLC	None
Lee	Ray	PJM Interconnection, LLC	None
Levitt	Andrew	PJM Interconnection, LLC	None
Lyakhovich	Leonid	Public Service Electric & Gas Company	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End-Use Customer
McComb	John	PJM Interconnection, LLC	None
McDaniel	John	Baltimore Gas and Electric Company	Transmission Owner
McDewell	Christian	Commonwealth of PA	None
McNeil	Justin	Office of the Attorney General, Kentucky	End-Use Customer
Metz	John	University of Delaware	None
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller	John	Commonwealth Edison Company	Transmission Owner
Moore	Galen	Palm Energy, LLC	ZZZZZZ
Moscovitz	Daniel	PJM Interconnection, LLC	None
Murphy	Shaun	Urban Grid Solar Projects, LLC	Other Supplier
Murteira	Ana	Public Service Electric & Gas Company	Transmission Owner
Nichols	Nathaniel	Exelon Business Services Company, LLC	Transmission Owner
Okenfuss	James	Savion, LLC	None
Ondayko	Brock	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Pancoast	Denis	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Patel	Keyurbhai (Keyur)	PJM Interconnection, LLC	None
Philips	Dean	Energy Harbor LLC	Generation Owner
Pratt	Nicholas (Nick)	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Pungaliya	Rajat	Pine Gate Mid-Atlantic, LLC	Other Supplier

Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Robinson	Becky	Vista Energy Marketing, L.P.	Other Supplier
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rostock	John	American Transmission Systems, Inc.	Transmission Owner
Roychowdhury	Rajarshi	Dayton Power & Light Company	Transmission Owner
Rutigliano	Tom	Achieving Equilibrium LLC	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	None
Schmitt	David	New Jersey Board of Public Utilities	None
Schroeder	Connie	Virginia Electric & Power Company	Transmission Owner
Sharkazy III	William	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Smith	Mark	AEP Energy Partners, Inc.	Transmission Owner
Somerday	Michele	Energy Harbor LLC	Generation Owner
Sorrels	James	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Stanfill	Susan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group	None
Swigonski	Frank	Advanced Energy Economy, Inc.	None
Thomas	Jack	PJM Interconnection, LLC	None
Thorn	Mike	FirstEnergy Corporation	Transmission Owner
Tobia	James	FirstEnergy Corporation	Transmission Owner
Tyler	Catherine	Monitoring Analytics, LLC	None
Walcavich	Colin	National Grid Renewables, LLC	None
Warchol	Gerald	Dominion Energy Generation Marketing, Inc.	Generation Owner
Wehnes	Kathleen	Maryland Public Service Commission	None
Wehr	Christopher	Metropolitan Edison Company	Electric Distributor
Werner	Christopher	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Whitehead	Jeffrey (Jeff)	GT Power Group	None
Whitmoyer	Bernie	FirstEnergy Corporation	Transmission Owner
Wilches	Rafael	Public Service Electric & Gas Company	Transmission Owner
Wilson	De Andre	Maryland Public Service Commission	None
Yoder	Michael	RTO Insider	None
Yoo	Kyungjin	PJM Interconnection, LLC	None