

Emerging Technologies Forum (ETF)

WebEx Only

October 1, 2020

9:00 a.m. – 12:00 a.m. EPT

Administration

1. Natasha Holter, PJM, made announcements, and reviewed the Antitrust, Code of Conduct, Public Meeting/Media Participation Guidelines, and the WebEx Participant Identification Requirement. Stakeholders endorsed the draft minutes from the August 27, 2020 meeting as posted with no objections or abstentions registered.

Advanced Technology Pilot Program and Stakeholder Interest

2. Scott Baker, PJM, presented a listing of current and past pilot projects and other collaborations.
3. Scott Baker, PJM, discussed a non-binding poll intended to gauge stakeholder interest in future emerging technology discussion topics for this forum.

Topic Discussions

4. Dynamic Line Ratings

- a. Jay Caspary, Grid Strategies, presented thoughts and perspectives on DLR technology.
- b. David Quier, PPL, presented PPL's DLR implementation plan.

5. DER

Dr. Willett Kempton, University of Delaware, and Dr. Theresa Christian, Exelon, presented on Vehicle-to-Grid technology in the PJM footprint and their experience bringing these small DER resources to market.

6. DER Ruling

Thomas DeVita, PJM, provided an overview on FERC Order No. 2222 on DER Aggregation.

Future Agenda Items

Participants had the opportunity to request the addition of any new item(s) to the agenda of a future meeting.

- a. DLR Technical Discussion – November
- b. Modular D-FACTS – November
- c. State policy coordination on DER – November

Future Meeting Dates

November 13, 2020	9:00 a.m.	WebEx
December 7, 2020	9:00 a.m.	WebEx

WebEx/Teleconference Attendance

Last Name	First Name	Company Name	Sector
Abramowitz	Jeremy	Monitoring Analytics	Not Applicable
Ali	Shadab	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Allen	William	Commonwealth Edison Company	Transmission Owner
Anderson	Jared	S&P Global	Not Applicable
Baker	Scott	PJM Interconnection	Not Applicable
Beban	Madeline	PJM Interconnection	Not Applicable
Benckek	Jim	First Energy Solutions Corp	Transmission Owner
Bernabeu	Emanuel	PJM Interconnection	Not Applicable
Berner	Aaron	PJM Interconnection	Not Applicable
Berton	Tyler	AEP Energy Partners, Inc.	Transmission Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Bockhorn	Tim	Dayton Power & Light Company (The)	Transmission Owner
Bowen	Brandon	IURC	Not Applicable
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Brooks	Dick	Reliable Energy Analytics, LLC	Not Applicable
Brooks	Royce	Old Dominion Electric Cooperative	Electric Distributor
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canter	David	Appalachian Power Company (AEP Generation)	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Caspary	Jay	Grid Strategies, LLC	Not Applicable
Chen	Yang	PJM Interconnection	Not Applicable
Chmielewski	Brian	PJM Interconnection	Not Applicable
Christian	Theresa	Exelon Business Services Company, LLC	Transmission Owner
Christopher	Mahila	Public Utilities Commission of Ohio	Not Applicable
Cintron Cuevas	Rafael	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Cosic	Darija	Facebook	Not Applicable
Croop	Danielle	PJM Interconnection	Not Applicable
D'Alessandris	Lou	First Energy Solutions Corp	Transmission Owner
Davis	Elizabeth	PJM Interconnection	Not Applicable
Davis	James	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeVita	Thomas	PJM Interconnection	Not Applicable
Dixon	Chad	Customized Energy Solutions, Ltd.	Not Applicable
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu	Nicolae	PJM Interconnection	Not Applicable

Elkins	Rachel	First Energy Solutions Corp	Transmission Owner
Erwin	Jenny	Smart Wires, Inc.	Not Applicable
Fan	zhenyu	PJM Interconnection	Not Applicable
Feller	John	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Gahimer	Michael	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Gilmer	Hudson	LineVision	Not Applicable
Glatz	Suzanne	PJM Interconnection	Not Applicable
Glennon	James	PJM Interconnection	Not Applicable
Golestani	Hamed	PJM Interconnection	Not Applicable
Grisham	Jennifer	Potomac Electric Power Company	Transmission Owner
Guignet	Douglas	PJM Interconnection	Not Applicable
Hasan	Prusha	Advanced Energy Economy	Not Applicable
Hastings	David	PJM Committee Voting Generic Account	Not Applicable
Heinle	Frederick	Office of the Peoples Counsel	Not Applicable
Heisey	Bradley	Tenaska Power Services Co.	Generation Owner
Helm	Gary	PJM Interconnection	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Herman	Michael	PJM Interconnection	Not Applicable
Hilderbrand	Rebecca	PJM Interconnection	Not Applicable
Hislop	David	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holland	Risa	PJM Interconnection	Not Applicable
Holter	Natasha	PJM Interconnection	Not Applicable
Hsia	Eric	PJM Interconnection	Not Applicable
Hyzinski	Tom	GT Power Group, LLC	Not Applicable
Iler	Art	Indiana Office of Utility Consumer Counselor	End-Use Customer
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jens	Tom	Black Oak Capital	Other Supplier
Jha	Monica	PCI	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.	Not Applicable
Josyula	Siva	Monitoring Analytics	Not Applicable
Kauffman	Brian	Enel X North America, Inc.	Other Supplier

Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kempton	William	University of Delaware	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Kozhuharov	Dimitar	State Commissions	Not Applicable
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
Lehmann	Horst	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
LOWE	CONNIE	Dominion Virginia Power	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Marmillo	Jonathan	LineVision	Not Applicable
Marzewski	Skyler	Monitoring Analytics	Not Applicable
Matheson	Eric	Pennsylvania Public Utility Commission	Not Applicable
McGlynn	Paul	PJM Interconnection	Not Applicable
Menhorn	Tiffany	LineVision	Not Applicable
Merna	Kate	LineVision	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Murphy	Shaun	PJM Interconnection	Not Applicable
Nelson	Floyd	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner
Neville	Dawn	Public Service Electric & Gas Company	Transmission Owner
Niu	Hui	PJM Interconnection	Not Applicable
Nix	Emma	Gabel Associates	Not Applicable
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pawar	Aasawari	First Solar	Not Applicable
Perera	Asanga	PJM Interconnection	Not Applicable
Pezalla	William	Old Dominion Electric Cooperative	Electric Distributor
Pilong	Christopher	PJM Interconnection	Not Applicable
Poulos	Greg	PJM Committee Voting Generic Account	Not Applicable
Quier	David	PPL Electric Utilities Corp.	Not Applicable
Rodriguez	Tomas	OPSI	Not Applicable
Roehl	Rex	Beacon Power	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.	Not Applicable
Schuyler	Ken	PJM Interconnection	Not Applicable
Segner	Sharon	Silver Run Electric, LLC	Transmission Owner
Skumanich	William	RTR Energy Solutions LLC	Not Applicable
Squibb	Bill	Ohio Valley Electric	Generation Owner
Stanisz	Mark	PJM Interconnection	Not Applicable
Stefanowicz	Vincent	PJM Interconnection	Not Applicable
Stern	Alexander	Public Service Electric & Gas Company	Transmission Owner
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner

Sweeney	Rory	GT Power Group, LLC	Not Applicable
Tacka	Natalie	PJM Interconnection	Not Applicable
Taylor	Robert	Commonwealth Edison Company	Transmission Owner
Thomas	Kyle	Dominion Virginia Power	Transmission Owner
Till	Micah	Dominion Virginia Power	Transmission Owner
Tynes-Kunzo	Lisa	First Energy Solutions Corp	Transmission Owner
Ward	Michael	PJM Interconnection	Not Applicable
Whitehead	Jeffrey	GT Power Group, LLC	Not Applicable
Willey	Amy	Delaware Public Service Commission	Not Applicable
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
Xu	Xu	PJM Interconnection	Not Applicable
Yoder	Michael	RTO Insider	Not Applicable
Yoo	Kyungjin	Monitoring Analytics	Not Applicable

Author: Natasha Holter