

Emerging Technologies Forum

WebEx Only

November 13, 2020

9:00 a.m. – 12:00 a.m. EPT

Administration

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

Stakeholder Survey On Emerging Technologies and Advanced Technology Pilot Program

2. Scott Baker, PJM, presented results from the recently released non-binding poll intended to gauge stakeholder interest in future emerging technology discussion topics for this forum.

Topic Discussions

3. Dynamic Line Ratings
 - a. Alex Houghtaling, LineVision, Kristine Engel, LineVision, and Jonathan Marmillo, LineVision, presented thoughts on the technical implementation challenges of deploying DLR technology.
 - b. Jack McCall, Lindsey, and Barbara Servatius, Lindsey, presented thoughts on the technical implementation challenges of deploying DLR technology.
 - c. Shaun Murphy, PJM, discussed PJM's plan to modify their software tools and procedures to better support DLR technology. DC Energy asked for the name of the PPL 69kV line that has a planned DLR installation; PPL's Hunlock – Berwick line has an estimated implementation date of January 2021.
 - d. Nick Dumitriu, PJM, discussed PJM's expected practice for modeling DLR in the market efficiency processes.

Future Agenda Items

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

Future Meeting Dates

December 7, 2020

9:00 a.m.

WebEx

WebEx/Teleconference Attendance

Last Name	First Name	Company Name	Sector
Ali	Shadab	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner

Allen	William	Commonwealth Edison Company	Transmission Owner
Anders	David	PJM Interconnection	None
Baker	Scott	PJM Interconnection	None
Bernabeu	Emanuel	PJM Interconnection	None
Bishop	Heidi	World Resources Institute	None
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Bloch-Rubin	Ted	Smart Wires, Inc.	None
Bockhorn	Tim	Dayton Power & Light Company (The)	Transmission Owner
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Brooks	Richard	Reliable Energy Analytics	None
Brooks	Royce	Old Dominion Electric Cooperative	Electric Distributor
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Caspary	Jay	Grid Strategies, LLC	
Chmielewski	Brian	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
D'Alessandris	Louis	American Transmission Systems, Inc.	Transmission Owner
Davis	Elizabeth	PJM Interconnection	None
Dixon	Chad	Customized Energy Solutions, Ltd.	None
Downs	Jere	PJM Connect	None
Dumitriu	Nicolae	PJM Interconnection	None
Elkins	Rachel	American Transmission Systems, Inc.	Transmission Owner
Endress	Eric	PJM Interconnection	None
Engel	Kristine	LineVision	None
Fabiano	Janell	PJM Interconnection	None
fan	zhenyu	PJM Interconnection	None
Feller	John	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.	None
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)	None
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Golestani	Hamed	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Heinle	Frederick	Office of the Peoples Counsel	None
Hilderbrand	Rebecca	PJM Interconnection	None
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Holter	Natasha	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None

Horning	Lynn Marie	Customized Energy Solutions, Ltd.	None
Houghtaling	Alex	LineVision	None
Hsia	Eric	PJM Interconnection	None
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski	Tom	GT Power Group, LLC	None
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jens	Tom	Black Oak Capital	Other Supplier
Jha	Monica	PCI	None
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnston	David	Other	None
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Kopinski	John	ITC Interconnection LLC	Transmission Owner
Kovler	Ed	PJM Interconnection	None
Kuo	Dave	DC Energy, LLC	Other Supplier
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
LAMOND	BONNIE	Highview Power	None
Lehmann	Horst	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Libbos	Robin	Allegheny Power (MonPwr Gen)	None
Lockwood	Craig	Appalachian Power Company (AEP Transmission)	Transmission Owner
LOWE	CONNIE	Dominion Virginia Power	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Mangonon	Roletto	Rockland Electric Company	Transmission Owner
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Marmillo	Jonathan	LineVision	None
mason	julie	Duke Energy Ohio, Inc.	Transmission Owner
Matheson	Eric	Pennsylvania Public Utility Commission	None
Mauroschatd	Erich	PJM Interconnection	None
McCall	Jack	Lindsey Systems	None
Menhorn	Tiffany	LineVision Inc	None
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Murphy	Shaun	PJM Interconnection	None
Pezalla	William	Old Dominion Electric Cooperative	Electric Distributor
Poulos	Greg	PJM Committee Voting Generic Account	None
Price	Mark	DC Energy Mid-Atlantic, LLC	Other Supplier
Quier	David	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Rodriguez	Tomas	Organization of PJM States, Inc.	None
Roehl	Rex	Other	None

Roettker	Joe	Duke Energy Ohio, Inc.	Transmission Owner
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Servatius	Barbara	Lindsey Systems	None
Singh	Ruchi	Department of Energy	None
Somerday	M	First Energy Solutions Corp	Transmission Owner
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
Tacka	Natalie	PJM Interconnection	None
Thomas	Sharon	Energy Storage Association	None
Thundiyil	Kevin	Exelon Generation Co., LLC	Generation Owner
Tsoi	Jonathan	PPL Electric Utilities Corp.	Transmission Owner
Ward	Michael	PJM Interconnection	None
Willey	Amy	Delaware Public Service Commission	None
Wolf	James	Appalachian Power Company	Transmission Owner
Xu	Xu	PJM Interconnection	None
Yoder	Michael	RTO Insider	None

Author: Natasha Holter