

Distributed Energy Resources Subcommittee
PJM Conference and Training Center
February 4, 2019
9:00 a.m. – 12:00 p.m. EDT

Distributed Energy Resource (DER) is a generation or electric energy storage resource connected at distribution voltages and/or connected behind a load meter.

Administration

1. Mr. Baker called the meeting to order, reviewed the agenda and asked for amendments to the agenda.
2. Mr. Gledhill reviewed meeting participation guidelines and the minutes from the November 30th meeting of the Distributed Energy Resources Subcommittee. In-room attendance was taken and teleconference attendance was taken offline from the list of WebEx attendees.
3. Mr. Baker reviewed the DERS work plan.

Informational Items and Updates

4. Mr. Joe Mulhern, PJM, provided an update on the observability and data collection efforts related to DER and Behind-the-Meter Generation (BTMG) in PJM. This item is currently being worked through the SOS-T and the DERS will continue to get periodic updates.
5. Mr. Pete Langbein, PJM, will provided an update on next steps regarding demand response and generation at the same site. Clarifying manual and Tariff language was recently approved at the MRC/MC, and implementation steps are being discussed at the Demand Response Subcommittee.
6. Mr. Baker introduced the topic of utility microgrids and the potential to discuss issues related to their operation in PJM. This will be discussed further at future DERS meetings.
7. Mr. Andrew Levitt, PJM, discussed one of PJM's compliance filings for FERC Order 841 regarding the wholesale accounting of Energy Storage Resources. This is one of two filings being made for compliance with the Order. The docket is posted with the February 4th meeting materials.

Wholesale DER Interconnection

8. Mr. provided an update on the state interconnection procedures document for DER. This document is relevant to wholesale generation or energy storage resources that interconnect under state/local jurisdiction. This is expected to be reviewed at the March 4th meeting.
9. Imelda Foley, University of Delaware, Brian Kauffman, EnerNOC, and Drew Adams, A.F. Mensah, introduced the components of a package for consideration and received feedback. Stakeholders will continue the Consensus Based Issue Resolution process at future meetings. For further information about the proposal development process, please refer to [Manual 34, Section 7.3](#).

Wrap-up – Action items, future agenda items, and reminders

10. Mr. Baker closed the meeting by reviewing action items and previewing topics for the next meeting.

Future Meeting Dates

March 4, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
April 15, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
May 20, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
June 10, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
July 15, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
August 14, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
September 9, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
October 7, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
November 18, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
December 16, 2019	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx

Attendance

Attendees	Company	Sector
Scott Baker (Facilitator)	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill (Secretary)	PJM Interconnection, LLC	Not Applicable
Drew Adams	A.F. Mensah, Inc.	Other Supplier
Ed Achaab	AEP Energy Partners, Inc.	Other Supplier
Chris Norton	American Municipal Power, Inc.	Electric Distributor
Kristin Rothey	American Municipal Power, Inc.	Electric Distributor
Ryan Dolan	American Municipal Power, Inc.	Electric Distributor
Jim Benchek	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	Appalachain Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Kent Feliks	Appalachian Power Company	Transmission Owner
Erin Boyd	Apparent	Not Applicable
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.*	Not Applicable
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner

Michael Natrin	Delmarva Power & Light Company	Electric Distributor
Jim Davis	Dominion Energy Marketing, Inc.	Generation Owner
Jorge Aguilera	Duke Energy Business Services LLC	Transmission Owner
Corey Stancombe	Duke Energy Kentucky, Inc.	Transmission Owner
Bryan Garnett	Duke Energy Ohio, Inc.	Transmission Owner
Nancy Connelly	Duke Energy Ohio, Inc.	Transmission Owner
Uchenna Nwaichi	Duke Energy Ohio, Inc.	Transmission Owner
Alex Rosenblatt	Duquesne Light Company	Transmission Owner
Janessa Kent	Duquesne Light Company	Transmission Owner
John Peoples	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission Owner
Jay Fuess	Energy Consulting Services LLC	Other Supplier
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Other Supplier
Bruce Campbell	EnergyConnect, Inc.	Other Supplier
Brian Kauffman	EnerNOC, Inc.	Other Supplier
Lloyd Kolb	Ensync Energy Systems	Not Applicable
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Chad Singer	Fellon McCord	Not Applicable
Dean Philips	FirstEnergy Solutions Corp.	Transmission Owner
Ed Stein	FirstEnergy Solutions Corp.	Transmission Owner
James Tobia	FirstEnergy Solutions Corp.	Transmission Owner
John Rostock	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Jed Trott	Galt Power Inc.	Other Supplier
Sean Baur	GlidePath Development LLC	Not Applicable
Rory Sweeney	GT Power Group	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
John Webster	Icetec.com, Inc.	Other Supplier
Lynn Horning	LMH Energy	Not Applicable
David Hastings	Market Interconnection LLC	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
Skyler Marzewski	Monitoring Analytics, LLC	Not Applicable
Tom Rutigliano	National Resources Defense Council	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Cathleen Colbert	NRG Power Marketing LLC	Other Supplier
Yohannes Mariam	Office of the Peoples Counsel for the District of Columbia	End User Customer
Christopher Wehr	Ohio Edison Company	Transmission Owner
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Andy Ford	PJM Interconnection, LLC	Not Applicable



Draft Meeting Minutes

Brindavani Malladi	PJM Interconnection, LLC	Not Applicable
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Danielle Croop	PJM Interconnection, LLC	Not Applicable
Elizabeth Davis	PJM Interconnection, LLC	Not Applicable
Eric Endress	PJM Interconnection, LLC	Not Applicable
Eric Hsia	PJM Interconnection, LLC	Not Applicable
Henry Thomas	PJM Interconnection, LLC	Not Applicable
James Sherman	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Jay Liu	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Joseph Ciabattoni	PJM Interconnection, LLC	Not Applicable
Joseph Mulhern	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Keyur Patel	PJM Interconnection, LLC	Not Applicable
Masha Nyemko	PJM Interconnection, LLC	Not Applicable
Pete Langbein	PJM Interconnection, LLC	Not Applicable
Stanley Williams	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Tao Yang	PJM Interconnection, LLC	Not Applicable
Thomas DeVita	PJM Interconnection, LLC	Not Applicable
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Amanda Rumsey	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
George Beam	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Alex Stern	Public Service Electric & Gas Company	Transmission Owner
David Ellis	Public Service Electric & Gas Company	Transmission Owner
Christopher Mahila	Public Utilities Commission of Ohio (The)	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Rita Trevino	Siemens Industry, Inc.	Other Supplier
Kenneth Foadare	Tangibl	Not Applicable
Ibrahima Kalle	Tibiri Energies	Not Applicable
Imelda Foley	University of Delaware	Not Applicable
Chad Dixon	Viridity Energy, Inc.	Other Supplier

Author: Andrew Gledhill