

Distributed Energy Resources Subcommittee
PJM Conference and Training Center
March 2, 2018
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. Gledhill called the meeting to order and reviewed the agenda.
2. Mr. Gledhill reviewed meeting participation guidelines. Attendance was taken in the room and WebEx attendance was taken offline. Minutes from the January 31st meeting of the Distributed Energy Resources Subcommittee were reviewed.
3. Mr. Andrew Levitt made several informational announcements:
 - a. NERC series of webinars on inverter-based resources
 - b. February 28th meeting with Transmission Owners group on DER “ride through”
 - c. FERC issues Final Rule on Electric Storage Participation in Regional Markets
 - d. FERC Technical Conference on Distributed Energy Resources (April 10-11)

Wholesale DER Metering and Accounting

4. Mr. Levitt, PJM, presented on PJM’s second draft proposal for energy market participation at sites with both curtailment and wholesale DER, which takes an integrated approach.
5. Mr. Andrew Levitt, PJM, and Mr. Tom Rutigliano, representing Ictec, shared some follow-up items on break down of metering and accounting responsibilities (i.e. PowerMeter, InSchedule, DER Hub, etc). Discussion on an accounting proposal for wholesale energy storage that has the ability to directly serve load was deferred to the March 26th meeting.

Design Components and Solution Options Review

6. Mr. Levitt and Mr. Rutigliano led a discussion in the matrix on solution options and proposals for energy and ancillary services, highlighting the areas in which the PJM and Ictec proposals differ.

Polling

- Mr. Gledhill and Mr. Baker presented questions for an upcoming poll and solicit stakeholder feedback. Poll results are planned to be discussed at the March 26th meeting.

Wrap-up and Future Agenda Items

- Mr. Gledhill summarized action items and the meeting was adjourned.

Future Meeting Dates

March 26, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
April 25, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
June 8, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
June 29, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
July 30, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
August 27, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
October 4, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
October 31, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
November 30, 2018	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
Maria Robinson	Advanced Energy Economy	Not Applicable
Ed Achaab	AEP Energy Partners, Inc.	Other Supplier
Yazan Alsmadi	AEP Ohio Transmission Company, Inc.	Transmission Owner
Prashant Kansal	AEP Ohio Transmission Company, Inc.	Transmission Owner
Ryan Dolan	American Municipal Power, Inc.	Electric Distributor
Brock Ondayko	Appalachain Power Company	Transmission Owner
Craig Kotras	Baltimore Gas and Electric Company	Transmission Owner
Maya Prica	Case Western Reserve University	Not Applicable
Rehan Gilani	Consolidated Edison Energy, Inc.	Other Supplier
Bruce Campbell	Cpower	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.*	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.*	Not Applicable
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
David Hastings	Dhast Co	Not Applicable
Marjorie Philips	Direct Energy Business, LLC	Other Supplier
James Davis	Dominion Energy Marketing, Inc.	Generation Owner
Sandra Hopkins	Dominion Virginia Power	Transmission Owner
Connie Lowe	Dominion Virginia Power	Transmission Owner
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner

Judy Stubbe	Duke Energy Ohio, Inc.	Transmission Owner
Christin Domian	Duquesne Light Company	Transmission Owner
Janessa Kent	Duquesne Light Company	Transmission Owner
Tom Rutigliano	Earth Networks	Other Supplier
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Other Supplier
Katie Guerry	EnerNOC, Inc.	Other Supplier
Nathan Charles	Enphase Energy	Not Applicable
Lloyd Kolb	EnSync Energy Systems	Not Applicable
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
David Marton	FirstEnergy Solutions Corp.	Transmission Owner
Jon Schneider	FirstEnergy Solutions Corp.	Transmission Owner
Ed Stein	FirstEnergy Solutions Corp.	Transmission Owner
Jed Trott	Galt Power Inc.	Other Supplier
Tom Hyzinski	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Jeffrey Whitehead	GT Power Group	Not Applicable
John Webster	Icetec.com, Inc.	Other Supplier
Dave Johnston	Indiana Utility Regulatory Commission	Not Applicable
Stacy Sherwood	Maryland Public Service Commission	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Thomas Weeks	Michigan Public Power Agency	Generation Owner
Skyler Marzewski	Monitoring Analytics	Not Applicable
Brett Feldman	Navigant Consulting, Inc.	Not Applicable
David Brown	New Jersey Board of Public Utilities	Not Applicable
Michael Winka	New Jersey Board of Public Utilities	Not Applicable
Eric Rodriguez Reyes	NextEra Energy Power Marketing, LLC	Generation Owner
Brian Hamilton	North American Electric Reliability Corporation	Not Applicable
Robert Beadle	North Carolina Electric Membership Corporation	Electric Distributor
Jennifer Chen	NRDC	Not Applicable
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Frederick Heinle	Office of the Peoples Counsel for the D.C.	End User Customer
Bruce Rimmel	Ohio Edison Company (ATSI CSP)	Transmission Owner
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Katie Treadway	One Energy, LLC	Not Applicable
Gregory Carmean	OPSI	Not Applicable
Murty Bhavaraju	PJM Interconnection, LLC	Not Applicable
Rich Brown	PJM Interconnection, LLC	Not Applicable
Joe Ciabattoni	PJM Interconnection, LLC	Not Applicable

Jason Connell	PJM Interconnection, LLC	Not Applicable
Suzanne Coyne	PJM Interconnection, LLC	Not Applicable
Elizabeth Davis	PJM Interconnection, LLC	Not Applicable
Mary Ellen Driscoll	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Eric Endress	PJM Interconnection, LLC	Not Applicable
Gabrielle Genuario	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Tahmina Khan	PJM Interconnection, LLC	Not Applicable
Pete Langbein	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Joseph Mulhern	PJM Interconnection, LLC	Not Applicable
Masha Nyemko	PJM Interconnection, LLC	Not Applicable
Steven Pincus	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Elizabeth Trinkle	PJM Interconnection, LLC	Not Applicable
Cheryl Mae Velasco	PJM Interconnection, LLC	Not Applicable
Marjorie Garbini	Potomac Electric Power Company	Electric Distributor
Scott Razze	Potomac Electric Power Company	Electric Distributor
James Stover	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Sam Giordano	PSEG Energy Resources and Trade LLC	Transmission Owner
David Ellis	Public Service Electric & Gas Company	Transmission Owner
Tim Fagan	Public Service Electric & Gas Company	Transmission Owner
Rich Marinelli	Public Service Electric & Gas Company	Transmission Owner
Ahmed Mousa	Public Service Electric & Gas Company	Transmission Owner
Jim Sherman	Public Service Electric & Gas Company	Transmission Owner
Alex Stern	Public Service Electric & Gas Company	Transmission Owner
Harry Uniman	Public Service Electric & Gas Company	Transmission Owner
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Betty Watson	SolarCity	Not Applicable
George Beam	Talen Energy Marketing, LLC	Generation Owner
Kenneth Foladare	Tangibl	Not Applicable
Cynthia Kinser	Tennessee Department of Agriculture	Not Applicable
Imelda Foley	University of Delaware	Not Applicable
Susan Covino	Unknown	Not Applicable
Eric Winkler	Winkler Energy Consulting	Not Applicable

Author: Andrew Gledhill



Minutes

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
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