

Distributed Energy Resources Subcommittee
PJM Conference and Training Center
January 5, 2018
9:00 a.m. – 3:00 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 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 December 15th meeting of the Distributed Energy Resources Subcommittee were reviewed. Attendance will be taken offline from a combination of in-person and WebEx attendees.
3. Mr. Baker reviewed the 2018 Work Plan, and discussed how the plan is to keep it up to date and have it reside on the DERS home page so stakeholders can follow progress on different work streams under the group's umbrella.

Wholesale DER Market Rules

4. Andrew Levitt, PJM, reviewed PJM staff's proposal on accounting for W-DER that is co-located behind the customer meter with additional W-DER or wholesale Demand Response. The group discussed the pros, cons and hurdles of measuring, settling and scheduling pieces separately versus as an integrated resource. Study requirements and federal/state jurisdictional issues were also discussed.
5. Intro to implications for capacity market participation
 - a. Pete Langbein and Mr. Levitt, PJM, discussed PLC reduction versus PLC sellback. PJM will come back at a later meeting with some specific examples to add clarity.
 - b. Melissa Pilon, PJM, provided education on the status quo of Fuel-Cost Policy Requirements and Cost-Based Offers. Skyler Marzewski, Monitoring Analytics, provided additional education related to Demand Response offers.
6. Tom Rutigliano, Ictec, presented an updated proposal on market rules for combined wholesale DER, retail DER, and load response resources. The group requested a detailed example of how the proposal would work in practice.

DER Interconnection Process

7. Discussion about operational requirements in the WMPA was deferred to a future meeting.

Non-wholesale DER Observability

8. Mr. Langbein, PJM, provided an introduction to the topic of non-wholesale DER observability, PJM's interest in this topic, and information about existing efforts by PJM to gain greater situational awareness of non-wholesale DER. PJM will come back with potential changes to procedure at a future meeting.

Wrap-up and Future Agenda Items

9. Mr. Baker summarized action items and discussed agenda items for the next meeting.

Future Meeting Dates

January 26, 2018 (Education Session)	1:00 p.m. – 3:00 p.m.	WebEx
January 31, 2018	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
March 2, 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
Chris Norton	American Municipal Power, Inc.	Electric Distributor
Kristin Rothey	American Municipal Power, Inc.	Electric Distributor
Kent Feliks	Appalachian Power Company	Transmission Owner
Evan Wilcox	Appalachian Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables, LLC	Generation Owner
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Rehan Gilani	Consolidated Edison Energy, Inc.	Other Supplier
Brian O'Boyle	Consolidated Edison Energy, Inc.	Other Supplier
Brian Wilkie	Consolidated Edison Solutions, Inc	Other Supplier
Bruce Campbell	Cpower	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.*	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.*	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.*	Not Applicable

John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Joseph DeLosa	DE Public Service Commission	Not Applicable
Peter Cavan	Direct Energy Business Marketing, LLC	Other Supplier
Marjorie Philips	Direct Energy Business, LLC	Other Supplier
James Davis	Dominion Energy Marketing, Inc.	Generation Owner
George Owens	Downes Associates, Inc.	Other Supplier
Bryan Garnett	Duke Energy Ohio, Inc.	Transmission Owner
Jason Harchick	Duquesne Light Company	Transmission Owner
John Peoples	Duquesne Light Company	Transmission Owner
Alex Rosenblatt	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission Owner
Tom Rutigliano	Earth Networks	Other Supplier
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Katie Guerry	EnerNOC, Inc.	Other Supplier
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Eric Riopko	Exelon Generation Co., LLC	Generation Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Justin Price	FirstEnergy Solutions Corp.	Transmission Owner
Jon Schneider	FirstEnergy Solutions Corp.	Transmission Owner
Tom Hyzinski	GT Power Group	Not Applicable
John Webster	Icetek.com, Inc.	Other Supplier
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
Dave Johnston	Indiana Utility Regulatory Commission	Not Applicable
Matthew McCaffree	Itron	Not Applicable
Megan Wisersky	Madison Gas & Electric Co	Other Supplier
Stacy Sherwood	Maryland Public Service Commission	Not Applicable
Alexander Specht	Maryland State Government	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Ron Slagel	MICS	Not Applicable
Skyler Marzewski	Monitoring Analytics	Not Applicable
Catherine Tyler	Monitoring Analytics	Not Applicable
Brett Feldman	Navigant Consulting, Inc.	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Amber Williams	New York State Electric & Gas Corporation	Other Supplier
Robert Beadle	North Carolina Electric Membership Corporation	Electric Distributor
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Courtney Lang	NRG Curtailment Solutions	Other Supplier
Frederick Heinle	Office of the Peoples Counsel for the D.C.	End User Customer
Yohannes Mariam	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
Jenjira Knernschild	Old Dominion Electric Cooperative	Electric Distributor
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
Danielle Croop	PJM Interconnection, LLC	Not Applicable
Michael Del Viscio	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
Andy Ford	PJM Interconnection, LLC	Not Applicable
Gabrielle Genuario	PJM Interconnection, LLC	Not Applicable
Thomas Hauske	PJM Interconnection, LLC	Not Applicable
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Pete Langbein	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Glenn Long	PJM Interconnection, LLC	Not Applicable
Chenchao Lu	PJM Interconnection, LLC	Not Applicable
Joseph Mulhern	PJM Interconnection, LLC	Not Applicable
Masha Nyemko	PJM Interconnection, LLC	Not Applicable
Jack O'Neill	PJM Interconnection, LLC	Not Applicable
Melissa Pilon	PJM Interconnection, LLC	Not Applicable
Steven Pincus	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Henry Thomas	PJM Interconnection, LLC	Not Applicable
Cheryl Mae Velasco	PJM Interconnection, LLC	Not Applicable
Laura Walter	PJM Interconnection, LLC	Not Applicable
Stanley Williams	PJM Interconnection, LLC	Not Applicable
Scott Razze	Potomac Electric Power Company	Electric Distributor
Mike Colby	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Ricardo Galarza	PSM Consulting	Not Applicable
Tim Fagan	Public Service Electric & Gas Company	Transmission Owner
Rich Marinelli	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
Betty Watson	SolarCity	Not Applicable
George Beam	Talen Energy Marketing, LLC	Generation Owner



Draft Minutes

Jennifer Hohenshilt

Brad Swalwell

Kenneth Foladare

Cynthia Kinser

Rajaraman Padmanabhan

Robert Burke

Susan Covino

Brian Hamilton

James Wilson

Eric Winkler

Angela Fox

Talen Energy Marketing, LLC

Tangent Energy Solutions, Inc.

Tangibl

Tennessee Department of Agriculture

The Energy Authority

Unknown

Unknown

Unknown

Wilson Energy Economics

Winkler Energy Consulting

Wylan Energy, L.L.C.

Generation Owner

Other Supplier

Not Applicable

Not Applicable

Other Supplier

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Author: Andrew Gledhill