

**Distributed Energy Resources Subcommittee**  
**PJM Conference and Training Center**  
**August 27, 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, reviewed the agenda and asked for amendments to the agenda.
2. Mr. Gledhill reviewed meeting participation guidelines and the minutes from the July 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. Gledhill reviewed the process for stakeholders to sign up for the DERS email distribution list.
4. Mr. Baker reviewed the DERS work plan.

## Non-Wholesale DER Observability

5. Mr. Baker and Mr. Pete Langbein, PJM, reviewed the results of the vote on a proposal to gain greater observability of non-wholesale DER / Behind-the-Meter-Generation resources, as well as comments received at the first read of the proposal at the Markets and Reliability Committee meeting on August 23<sup>rd</sup>. Stakeholders provided feedback on additional clarifications.

## Wholesale DER Interconnection

6. Stakeholders began to look into an assessment of the PJM interconnection queue process for wholesale DER. Drew Adams, A.F. Mensah, Imelda Foley, University of Delaware, Brian Kauffman, EnerNOC, and Tom Rutigliano, representing Ictec, presented their input and requested PJM to provide additional information to help guide future stakeholder discussion. PJM staff resolved to come back to the next meeting with follow-up.

## Wholesale Market Participation Agreements

7. Stakeholders reviewed the issue statement drafted by the Primary Frequency Response Senior Task Force regarding operational requirements for resources interconnecting under local jurisdiction and executing a Wholesale Market Participation Agreement with PJM and the Transmission Owner.

## Order 841 – Electric Storage Resources – PJM Compliance Update

8. Ms. Laura Walter, PJM, provided a brief update on PJM's draft proposal for compliance with FERC Order 841 on Electric Storage Resources. This issue is being worked in Special Sessions of the MIC. For more information, please find additional materials on the Issue Tracking page [here](#).

## Wholesale DER Market Rules – Ancillary Services

9. Mr. Andrew Levitt, PJM, presented the PJM Staff proposal for DER Ancillary Service participation.
10. Stakeholders reviewed solution options associated with wholesale DER Ancillary Service market participation in the solutions matrix.

## Wrap-up – Action items, Future Agenda, and Closing Remarks (2:45 – 3:00)

11. Mr. Baker will close the meeting by reviewing action items and previewing topics for the next meeting.

## Future Meeting Dates

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
Tom Rutigliano	Achieving Equilibrium LLC	Other Supplier
Katherine Hamilton	Advanced Energy Management Alliance AEMA	Not Applicable
Paul Molta	Ameresco	Not Applicable
Chris Norton	American Municipal Power, Inc.	Electric Distributor
Kristin Rothey	American Municipal Power, Inc.	Electric Distributor
Jim Bencheck	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	Appalachian Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Brian Vayda	Borough of Park Ridge, NJ	Electric Distributor
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Brian Wilkie	Consolidated Edison Solutions, Inc	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
Bram Wilson	Diamond State Generation Partners, LLC	Generation Owner
Jim Davis	Dominion Energy Marketing, Inc.	Generation Owner
Michael Purdie	Dominion Virginia Power	Not Applicable
Jorge Aguilera	Duke Energy Business Services LLC	Transmission Owner
Kenneth Jennings	Duke Energy Business Services LLC	Generation Owner
John Sturgeon	Duke Energy Carolinas, LLC	Other Supplier
Nancy Connelly	Duke Energy Ohio, Inc.	Transmission Owner

John Peoples	Duquesne Light Company	Transmission Owner
Alex Rosenblatt	Duquesne Light Company	Transmission Owner
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Other Supplier
Bruce Campbell	EnergyConnect, Inc.	Other Supplier
Brian Kauffman	EnerNOC, Inc.	Other Supplier
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Dean Philips	FirstEnergy Solutions Corp.	Transmission Owner
Justin Price	FirstEnergy Solutions Corp.	Transmission Owner
Anne Rericha	FirstEnergy Solutions Corp.	Transmission Owner
Jon Schneider	FirstEnergy Solutions Corp.	Transmission Owner
Ed Stein	FirstEnergy Solutions Corp.	Transmission Owner
Mike Thorn	FirstEnergy Solutions Corp.	Transmission Owner
Jed Trott	Galt Power Inc.	Other Supplier
David Pratzon	GT Power Group	Not Applicable
Jeffrey Whitehead	GT Power Group	Not Applicable
Stan Allison	Holocene Finance, LLC	Other Supplier
John Webster	Icetec.com, Inc.	Other Supplier
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
Min Zhu	Jane Street Group, LLC	Not Applicable
David Hastings	Market Interconnection LLC	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Thomas Weeks	Michigan Public Power Agency	Generation Owner
Erik Hanser	Michigan Public Service Commission	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
Ginny Kreitler	National Audobon	Not Applicable
Joe DeLosa	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
David Brown	NJ Board of Public Utilities	Not Applicable
Shelly Ann Maye	North America Power Partners LLC	Other Supplier
Brian Hamilton	North American Electric Reliability Corporation	Not Applicable
Bob Beadle	North Carolina Electric Membership Corporation	Electric Distributor
Neal Fitch	NRG Power Marketing LLC	Generation Owner
Courtney Lang	NRG Power Marketing LLC	Generation Owner
Julia Popova	NRG Power Marketing LLC	Generation Owner
Frederick Heinle	Office of the Peoples Counsel for the District of Columbia	End User Customer
Yohannes Mariam	Office of the Peoples Counsel for the District of Columbia	End User Customer
Michael Cocco	Old Dominion Electric Cooperative	Electric Distributor
Jenjira Knernschild	Old Dominion Electric Cooperative	Electric Distributor
Katie Treadway	One Energy, LLC	Not Applicable
Monica Jha	PCI	Not Applicable
Madalyn Beban	PJM Interconnection, LLC	Not Applicable

Murty Bhavaraju	PJM Interconnection, LLC	Not Applicable
Danielle Croop	PJM Interconnection, LLC	Not Applicable
Becky Davis	PJM Interconnection, LLC	Not Applicable
James Dolan	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Damon Fereshetian	PJM Interconnection, LLC	Not Applicable
Andy Ford	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Rebecca Hilderbrand	PJM Interconnection, LLC	Not Applicable
David Kimmel	PJM Interconnection, LLC	Not Applicable
Pete Langbein	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Chuck Liebold	PJM Interconnection, LLC	Not Applicable
Susan McGill	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
Keyur Patel	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
David Schweizer	PJM Interconnection, LLC	Not Applicable
Jennifer Tribulski	PJM Interconnection, LLC	Not Applicable
Elizabeth Trinkle	PJM Interconnection, LLC	Not Applicable
Cheryl Mae Velasco	PJM Interconnection, LLC	Not Applicable
Laura Walter	PJM Interconnection, LLC	Not Applicable
Scott Razze	Potomac Electric Power Company	Electric Distributor
George Beam	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
James Rouland	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Other Supplier
David Ellis	Public Service Electric & Gas Company	Transmission Owner
Hamza Gondal	Public Service Electric & Gas Company	Transmission Owner
Garan Gunn	Public Service Electric & Gas Company	Transmission Owner
Alex Stern	Public Service Electric & Gas Company	Transmission Owner
Jim Sherman	Public Service Electric & Gas Company	Transmission Owner
Christopher Mahila	Public Utilities Commission of Ohio (The)	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Suzanne Herel	RTO Insider	Not Applicable
Betty Watson	SolarCity	Not Applicable
Dave Turner	Tangent Energy Solutions, Inc.	Other Supplier
Kenneth Foladare	Tangibl	Not Applicable
Cynthia Kinser	Tennessee Department of Agriculture	Not Applicable
Ibrahima Kalle	Tibiri Energies	Not Applicable



# Draft Minutes

Imelda Foley  
Eric Winkler

University of Delaware  
Winkler Energy Consulting

Not Applicable  
Not Applicable

Author: Andrew Gledhill

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