

**Distributed Energy Resources Subcommittee**  
**PJM Conference and Training Center**  
**June 29, 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. 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 June 6th 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 revised DERS work plan and sought stakeholder feedback.

## Non-Wholesale DER Observability

4. Mr. Pete Langbein, PJM, reviewed updated draft manual language associated with the proposal to gain greater observability and situational awareness of non-wholesale DER / behind-the-meter-generation (BTMG) resources. Stakeholders provided feedback and PJM agreed to review and repost prior to the next DERS meeting with a plan to vote following the July 30<sup>th</sup> meeting.

## Wholesale DER Market Rules

5. Stakeholders reviewed solutions options associated with wholesale DER market participation in the solutions matrix, *excluding* those associated with DER aggregation.
  - a. Mr. Pete Langbein provided education regarding DR metering requirements.
  - b. Mr. Andrew Levitt, PJM, provided education on the different options for Design Component 2A.1 – metering for ancillary services performance measurement. PJM offered to break this into its own Solutions matrix for discussion at the next meeting.

## Wrap-up: Action items and future agenda

6. Mr. Baker reviewed action items and discussed the agenda for the next meeting.

## Future Meeting Dates

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
Tom Rutigliano	Achieving Equilibrium LLC	Other Supplier
Chad Burnett	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Ed Achaab	AEP Energy Partners, Inc.	Other Supplier
Paul Molta	Ameresco	Not Applicable
Ryan Dolan	American Municipal Power, Inc.	Electric Distributor
Kristin Rothey	American Municipal Power, Inc.	Electric Distributor
Jim Benchek	American Transmission Systems, Inc.	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Brian Vayda	Borough of Park Ridge, NJ	Electric Distributor
Jeff Beattie	CMS Energy Resource Management Company	Other Supplier
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
David Withrow	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
Connie Lowe	Dominion Virginia Power	Not Applicable
John Peoples	Duquesne Light Company	Transmission Owner
Alex Rosenblatt	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission Owner
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
Chad Singer	Fellon McCord	Not Applicable
Anna Caruthers	FirstEnergy Solutions Corp.	Transmission Owner
Jennifer Ford	FirstEnergy Solutions Corp.	Transmission Owner
David Marton	FirstEnergy Solutions Corp.	Transmission Owner
Justin Price	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
Jackson Marley	Holocene Finance, LLC	Other Supplier
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer

Megan Wisersky	Madison Gas & Electric Company	Other Supplier
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
Brett Feldman	Navigant Consulting, Inc.	Not Applicable
Thomas Walker	New Jersey Board Of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Joseph DeLosa	NJ Board of Public Utilities	Not Applicable
Brian Hamilton	North American Electric Reliability Corporation	Not Applicable
Bob Beadle	North Carolina Electric Membership Corporation	Electric Distributor
Frederick Heinle	Office of the People's Counsel	End User Customer
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
Eric Matheson	Pennsylvania Public Utility Commission	Not Applicable
Scott Benner	PJM Interconnection, LLC	Not Applicable
Joe Ciabattoni	PJM Interconnection, LLC	Not Applicable
Elizabeth Davis	PJM Interconnection, LLC	Not Applicable
James Dolan	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable
Rebecca Hilderbrand	PJM Interconnection, LLC	Not Applicable
Bill Khashfe	PJM Interconnection, LLC	Not Applicable
Pete Langbein	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Brindavani Malladi	PJM Interconnection, LLC	Not Applicable
James McAnany	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
John Reynolds	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Jack Thomas	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
David Withrow	PJM Interconnection, LLC	Not Applicable
Marj Garbini	Potomac Electric Power Company	Electric Distributor

John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Other Supplier
Garan Gunn	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
Betty Watson	SolarCity	Not Applicable
George Beam	Talen Energy Marketing, LLC	Generation Owner
Kenneth Foladare	Tangibl	Not Applicable
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
Ibrahima Kalle	Tibiri Energies	Not Applicable
Imelda Foley	University of Delaware	Not Applicable
Sam Wolfe	Viridity Energy, Inc.	Other Supplier
Eric Winkler	Winkler Energy Consulting	Not Applicable

Author: Andrew Gledhill

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