

**Special MIC – Distributed Energy Resources (DER)  
PJM Conference and Training Center  
July 7, 2017  
9:00 a.m. – 4:00 p.m. EDT**

**Distributed Energy Resource 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 20<sup>th</sup> meeting. Attendance was taken offline from a combination of in-person and WebEx attendees..
3. Mr. Baker briefly discussed the work plan located in the solutions matrix (separate worksheet tab) and sought feedback on the group's progress and blueprint.

## Education

4. Mr. Levitt provided education on aggregation of generation and DER in PJM today. Stakeholders asked clarifying questions regarding some of the terms being used. This prompted the potential need for PJM to revisit with further detail and an illustrative example in the future.

## Consensus Based Issue Resolution Process

5. Mr. Baker reviewed progress in the solutions matrix and led stakeholders in discussion to solicit new options. The discussion touched on a number of design components, but focused on:
  - a. Design Component 5 – Hardware requirements for meter and related hardware (for market participation)
  - b. Design Component 6 – Framework (participation model)
  - c. Design Component 7 – Wholesale DER observability requirements when performing non-wholesale activity
6. Mr. Levitt presented PJM's straw proposal on DER providing Ancillary Services for the group to discuss. Since the proposal was intended only to address Ancillary Services, PJM pointed out that load addbacks will need to be addressed during Energy and Capacity discussions. PJM agreed to put their proposal into the matrix and has been posted as an updated version with the meeting materials.

## Wrap-up and Future Agenda Items

7. Mr. Baker summarized action items and ask stakeholders for discussion topics for future meetings. Action items were to come back with more specific examples to show how rules might work, provide education on addback rules, and post an updated version of the matrix.

## Future Meeting Dates

August 1, 2017	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Center/ WebEx
August 18, 2017	1:00 p.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx
August 31, 2017	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Center/ WebEx
September 18, 2017	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Center/ WebEx
October 4, 2017	1:00 p.m. – 4:00 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
Benjamin Lowe	Alevo	Not Applicable
Lisa McAlister	American Municipal Power, Inc.	Electric Distributor
Kristin Rothey	American Municipal Power, Inc.	Electric Distributor
Kent Feliks	Appalachain Power Company	Transmission Owner
Brock Ondayko	Appalachain Power Company	Transmission Owner
Kevin Patten	Appalachain Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables, LLC	Generation Owner
Brian Vayda	Borough of Park Ridge, NJ	Electric Distributor
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Maya Prica	Case Western Reserve University	Not Applicable
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Brian Wilkie	Constellation Energy Commodities Group, Inc.	Other Supplier
Sandeep Baidwan	Continuum Associates, LLC	Not Applicable
Bruce Campbell	Cpower	Other Supplier
Jamie Lejcar	CPS Energy	Electric Distributor
Mike Berlinski	Customized Energy Solutions, Ltd.*	Not Applicable
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
John Farber	DE Public Service Commission	Not Applicable
Connie Lowe	Dominion Virginia Power	Transmission Owner
Christin Domian	Duquesne Light Company	Transmission Owner
John Peoples	Duquesne Light Company	Transmission Owner
Tom Rutigliano	Earth Networks	Other Supplier
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Greg Haynes	Energy Authority, Inc. (The)	Other Supplier

Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Other Supplier
Chad Singer	Fellon McCord	Not Applicable
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Jon Schneider	FirstEnergy Solutions Corp.	Transmission Owner
Ed Stein	FirstEnergy Solutions Corp.	Transmission Owner
David Pratzon	GT Power Group	Not Applicable
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Ashley Pizzutelli	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
George Kogut	New York Power Authority	Other Supplier
Jung Suh	Noble Americas Energy Solutions LLC	Other Supplier
Robert Beadle	North Carolina Electric Membership Corporation	Electric Distributor
James Manning	North Carolina Electric Membership Corporation	Electric Distributor
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Neal Fitch	NRG Power Marketing LLC	Generation Owner
Bruce Rimmel	Ohio Edison Company (ATSI CSP)	Transmission Owner
Adrien Ford	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
Danielle Croop	PJM Interconnection, LLC	Not Applicable
Eric Endress	PJM Interconnection, LLC	Not Applicable
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Gabrielle Genuario	PJM Interconnection, LLC	Not Applicable
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Risa Holland	PJM Interconnection, LLC	Not Applicable
Eric Hsia	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
Amanda Long	PJM Interconnection, LLC	Not Applicable
Esrick McCartha	PJM Interconnection, LLC	Not Applicable
Steven Pincus	PJM Interconnection, LLC	Not Applicable
Steven Shparber	PJM Interconnection, LLC	Not Applicable
Mike Ward	PJM Interconnection, LLC	Not Applicable
Dave Mino	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable



# Draft Minutes

Rory Sweeney  
Stephanie Tsao  
Kyo Kelly  
George Beam  
Michele Greening  
Barbara Scoglietti  
Jim Fort  
Wufan Jia  
Brian Hamilton

RTO Insider  
S&P Global Market Intelligence  
Southern Company Services, Inc.  
Talen Energy Marketing, LLC  
Talen Energy Marketing, LLC  
Tangent Energy Solutions, Inc.  
The Energy Authority  
The Mobility House  
Unknown

Not Applicable  
Not Applicable  
Other Supplier  
Generation Owner  
Generation Owner  
Other Supplier  
Other Supplier  
Other Supplier  
Not Applicable

Author: Andrew Gledhill

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)  
Visit [learn.pjm.com](http://learn.pjm.com), an easy-to-understand resource about the power industry and PJM's role.