

Special MIC – Distributed Energy Resources (DER)
PJM Conference and Training Center
June 20, 2017
1:00 p.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 1st 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 presented term definitions for use in group discussion and responded to clarifying questions. A request was made to have these added to a definitions tab in the solutions matrix.
5. Mr. Levitt provided education on metering and communication requirements for distributed energy resources.

Consensus Based Issue Resolution Process

6. Mr. Baker and Mr. Levitt reviewed the solutions matrix, highlighting several changes made since the prior meeting. Design components were discussed and solution options were solicited for:
 - a. Design Component 2.5 – Metering configuration and meter data arithmetic
 - b. Design Component 3.2 – Size-related rules for aggregation related to maximum market size limit
 - c. Design Component 3.4 – Ancillary Services: rules for aggregation for PJM market Performance Compliance purposes
 - d. Design Component 4 – Delegation of market relationship

Wrap-up and Future Agenda Items

7. Mr. Baker summarized action items and requested additional discussion topics for future meetings. Requests were made for additional discussion on EDC operational coordination with regards to DER.

Future Meeting Dates

July 7, 2017	9:00 a.m – 4:00 p.m.	PJM Conference & Training Center/ WebEx
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
Kristin Rothey	American Municipal Power, Inc.	Electric Distributor
Brock Ondayko	Appalachain Power Company	Transmission Owner
Kevin Patten	Appalachain Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables, LLC	Generation Owner
Marek Kaczanowski	Baltimore Gas and Electric Company	Transmission Owner
James Jablonski	Borough of Butler, Butler Electric Division	Electric Distributor
Raj Chintapalli	BP	Not Applicable
Paul Heitmann	Businovation, LLC	Not Applicable
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Brian Wilkie	Constellation Energy Commodities Group, Inc.	Other Supplier
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
Jeffrey Whitehead	Direct Energy Business Marketing, 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
Emily Wilmoth	Dominion Virginia Power	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
Sharon Midgley	Exelon Generation Co., LLC	Generation Owner

Jim Benchek	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
Chad Wilhite	FirstEnergy Solutions Corp.	Transmission Owner
Derek Hagaman	GT Power Group	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Kenneth Foladare	IMG Midstream LLC	Generation Owner
Andrew Hunter	Metropolitan Edison Company	Transmission Owner
Erik Hanser	Michigan Public Service Commission	Not Applicable
Skyler Marzewski	Monitoring Analytics	Not Applicable
Douglas Dickson	New Jersey Board of Public Utilities	Not Applicable
Brian Hamilton	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Amber Williams	New York State Electric & Gas Corporation	Other Supplier
John Lemire	North Carolina Electric Membership Corporation	Electric Distributor
Ding Xu	North Carolina Electric Membership Corporation	Electric Distributor
Susan Covino	Not Applicable	Not Applicable
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
Dave Anders	PJM Interconnection, LLC	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
Michael Del Viscio	PJM Interconnection, LLC	Not Applicable
Lisa Drauschak	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
Rebecca Hilderbrand	PJM Interconnection, LLC	Not Applicable
Eric Hsia	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Glenn Long	PJM Interconnection, LLC	Not Applicable
Masha Nyemko	PJM Interconnection, LLC	Not Applicable
Keyur Patel	PJM Interconnection, LLC	Not Applicable



Draft Minutes

Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Laura Walter	PJM Interconnection, LLC	Not Applicable
Glenn Weiss	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
James Calore	Public Service Electric & Gas Company	Transmission Owner
James Caristia	Public Service Electric & Gas Company	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Joel Yu	Rockland Electric Company	Transmission Owner
Rory Sweeney	RTO Insider	Not Applicable
George Beam	Talen Energy Marketing, LLC	Generation Owner
Michele Greening	Talen Energy Marketing, LLC	Generation Owner
Barbara Scoglietti	Tangent Energy Solutions, Inc.	Other Supplier
Wufan Jia	The Mobility House	Other Supplier

Author: Andrew Gledhill

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