

Special MIC – Distributed Energy Resources (DER)
PJM Conference and Training Center
October 2, 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 ask for amendments to the agenda.
2. Mr. Gledhill reviewed meeting participation guidelines and the minutes from the September 18th meeting. Attendance was taken offline from a combination of in-person and WebEx attendees.
3. Mr. Baker reviewed discussion held at the MRC related to chartering a new Distributed Energy Resources Subcommittee. Further discussion will be had at the next meeting of the Markets & Reliability Committee.
4. Mr. Baker gave an oral update on the work plan and discussed the pending transition from MIC special session to Subcommittee (pending approval).

Consensus Based Issue Resolution Process

5. Andrew Levitt, PJM, presented a PJM staff proposal for how to settle wholesale energy sales from DER in use cases of a single distributed energy resource (DER) “wired with load” or “wired separately”. PJM acknowledged that there remain several outstanding use cases left to address, and additional items to consider for the proposal to be complete.
6. Andrew Levitt, PJM, presented further details on the PJM staff proposal regarding business rules for aggregating DER for wholesale market operations.

Consensus Based Issue Resolution Process

7. Scott Baker, PJM, led a discussion on the solutions matrix, current options, packages, and the process for driving consensus to recommend a solution for MIC consideration. The group discussed design components pertinent to the day's discussion and how PJM's proposal fits in the matrix. PJM resolved to make further modifications to the matrix in advance of the October 18th meeting.

Wrap-up and Future Agenda Items

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

Future Meeting Dates

October 18, 2017	1:00 p.m. – 4:00 p.m.	The Chase Center on the Riverfront
November 6, 2017	9:00 a.m. – 3:00 p.m.	PJM Conference & Training Center/ WebEx
November 17, 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
Alan Roark	ABB	Not Applicable
Prashant Kansal	AEP Ohio Transmission Company, Inc.	Transmission Owner
Chris Norton	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
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Rehan Gilani	Consolidated Edison Energy, 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
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
Jeff Currier	Dominion Virginia Power	Not Applicable
Connie Lowe	Dominion Virginia Power	Transmission Owner
Abhijit Rajan	Dominion Virginia Power	Transmission Owner
William Jett	Duke Energy Business Services LLC	Transmission Owner
Bryan Garnett	Duke Energy Ohio, Inc.	Transmission Owner
Judy Stubbe	Duke Energy Ohio, Inc.	Transmission Owner
Christin Doman	Duquesne Light Company	Transmission Owner
John Peoples	Duquesne Light Company	Transmission Owner
Alex Rosenblatt	Duquesne Light Company	Transmission Owner
Jason Cox	Dynegy Power Marketing, Inc.	Generation Owner
Tom Rutigliano	Earth Networks	Other Supplier
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Other Supplier
Katie Guerry	EnerNOC, Inc.	Other Supplier
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	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
Christopher Wehr	FirstEnergy Solutions Corp.	Transmission Owner
Tom Hyzinski	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Jeffrey Whitehead	GT Power Group	Not Applicable
John Webster	Icetec.com, Inc.	Other Supplier
Kenneth Foladare	IMG Midstream LLC	Generation Owner
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
Megan Wisersky	Madison Gas & Electric Co	Other Supplier
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Skyler Marzewski	Monitoring Analytics	Not Applicable
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
Neal Fitch	NRG Power Marketing LLC	Generation Owner
Frederick Heinle	Office of the Peoples Counsel for the D.C.	End User Customer
Bruce Rimmel	Ohio Edison Company (ATSI CSP)	Transmission Owner
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Murty Bhavaraju	PJM Interconnection, LLC	Not Applicable
Glen Boyle	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
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
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable
David Kimmel	PJM Interconnection, LLC	Not Applicable
Frank Koza Jr.	PJM Interconnection, LLC	Not Applicable
Pete Langbein	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Amanda Long	PJM Interconnection, LLC	Not Applicable
Glenn Long	PJM Interconnection, LLC	Not Applicable
John McComb	PJM Interconnection, LLC	Not Applicable
Masha Nyemko	PJM Interconnection, LLC	Not Applicable

Christopher Pilong	PJM Interconnection, LLC	Not Applicable
Steven Pincus	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Mike Ward	PJM Interconnection, LLC	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Rory Sweeney	RTO Insider	Not Applicable
George Beam	Talen Energy Marketing, LLC	Generation Owner
Michele Greening	Talen Energy Marketing, LLC	Generation Owner
Jennifer Hohenshilt	Talen Energy Marketing, LLC	Generation Owner
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Brian Hamilton	Unknown	Not Applicable
Lynn Horning	Unknown	Not Applicable

Author: Andrew Gledhill

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