

Special MIC – Distributed Energy Resources (DER) The Chase Center on The Riverfront October 18, 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 ask for amendments to the agenda.
- 2. Mr. Gledhill will review meeting participation guidelines and the minutes from the October 2nd meeting. Attendance will be taken offline from a combination of in-person and WebEx attendees.

Consensus Based Issue Resolution Process

3. Scott Baker, PJM, led a discussion on the solutions matrix, highlighting changes to design components and options that had been made by PJM staff since the prior meeting. Discussions focused primary on design component 1 and its subcomponents, which relate to engineering studies and approval processes to become eligible for market participation. Stakeholders determined that the best course of action might be to separate the interconnection process portion as a distinct proposal.

Wrap-up and Future Agenda Items

4. Mr. Baker summarized action items: a) look into adding a design component to address a Distributed Energy Resource's mode of operation, and b) prepare materials to summarize proposals to address the interconnection process portion of the solution.

Future Meeting Dates		
November 6, 2017 November 17, 2017 December 15, 2017	9:00 a.m. – 3:00 p.m. 1:00 p.m. – 4:00 p.m. 1:00 p.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx PJM Conference & Training Center/ WebEx 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
Lynn Sarvis	ABB	Not Applicable
Katherine Hamilton	AEM Alliance	Not Applicable

American Municipal Power, Inc.

American Municipal Power, Inc.

Chris Norton

Kristin Rothey

Electric Distributor

Electric Distributor



Draft Minutes

Kent Feliks Brock Ondayko Barry Trayers Rehan Gilani Bruce Campbell Jamie Lejcar Mike Berlinski Carl Johnson Jonathan Sasser Joseph DeLosa John Farber Marjorie Philips Connie Lowe Greg Pakela Bryan Garnett Christin Domian John Peoples Alex Rosenblatt Tom Rutigliano Malcolm Ainspan Katie Guerry Chad Singer Jim Benchek Martin Bolan David Marton Jon Schneider Ed Stein Tom Hyzinski David Pratzon Jeffrey Whitehead Kenneth Foladare Dave Johnston David Mabry Erik Hanser Ron Slagel Sunny Jansen Raena Orr Skyler Marzewski Amber Williams Ding Xu

Appalachain Power Company Appalachain Power Company Citigroup Energy, Inc. Consolidated Edison Energy, Inc. Cpower **CPS Energy** Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* Customized Energy Solutions, Ltd.* **DE Public Service Commission DE Public Service Commission** Direct Energy Business, LLC Dominion Virginia Power DTE Energy Trading, Inc. Duke Energy Ohio, Inc. **Duquesne Light Company Duquesne Light Company** Duquesne Light Company Earth Networks Energy Curtailment Specialists, Inc. EnerNOC, Inc. Fellon McCord FirstEnergy Solutions Corp. GT Power Group GT Power Group GT Power Group IMG Midstream LLC Indiana Utility Regulatory Commission McNees Wallace & Nurick LLC Michigan Public Service Commission MICS MidAmerican Energy Company MidAmerican Energy Company Monitoring Analytics New York State Electric & Gas Corporation North Carolina Electric Membership Corporation

Transmission Owner Transmission Owner Other Supplier Other Supplier Other Supplier Electric Distributor Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Other Supplier Transmission Owner Other Supplier Transmission Owner Transmission Owner Transmission Owner Transmission Owner Other Supplier Other Supplier Other Supplier Not Applicable Transmission Owner Transmission Owner Transmission Owner Transmission Owner Transmission Owner Not Applicable Not Applicable Not Applicable Generation Owner Not Applicable Not Applicable Not Applicable Not Applicable Other Supplier Other Supplier Not Applicable Other Supplier Electric Distributor



Draft Minutes

Susan Covino Brian Kauffman Bruce Remmel Adrien Ford Jason Connell Danielle Croop David Egan Eric Endress Andy Ford Chantal Hendrzak **Risa Holland** Eric Hsia Lisa Krizenoskas Matthew LaRocque Amanda Long Glenn Long John McComb Nicole Militello Joseph Mulhern Masha Nyemko Steven Pincus Ken Schuyler Mike Ward Stanley Williams Steve Hilaski Gary Greiner **Debbie Gebolys** George Beam Greg Haynes Michael Lee

Not Applicable NRG Curtailment Solutions Ohio Edison Company (ATSI CSP) Old Dominion Electric Cooperative PJM Interconnection, LLC Potomac Electric Power Company PSEG Energy Resources and Trade LLC Public Utilities Commission of Ohio (The) Talen Energy Marketing, LLC The Energy Authority The Federal Energy Regulatory Commission

Not Applicable Other Supplier Transmission Owner Electric Distributor Not Applicable Electric Distributor Transmission Owner Not Applicable Generation Owner Other Supplier Not Applicable

Author: Andrew Gledhill

Provide feedback on the progress of this group: <u>*Facilitator Feedback Form*</u> Visit <u>*learn.pim.com*</u>, an easy-to-understand resource about the power industry and PJM's role.