

Draft Minutes



Distributed Energy Resources Subcommittee PJM Conference and Training Center November 15, 2018 2:00 p.m. – 4:00 p.m. EDT

<u>Distributed Energy Resource (DER)</u> 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 October 31st 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 DERS work plan.

Wholesale DER Market Rules

4. Pete Langbein, PJM, reviewed draft tariff and manual language that is intended to clarify existing market participation rules for DER located behind a load meter participating as both demand response and generation. A second draft will be brought forth at the next meeting.

Wholesale Market Participation Agreements (WMPA) – Operational Requirements

Andrew Levitt, PJM, presented PJM staff's current position on this issue. Discussion will be continued at future meetings.

Wrap-up – Action items, future agenda items, and reminders

6. Mr. Baker closed the meeting by reviewing action items and previewing topics for the next meeting.

Future Meeting Dates

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Draft Minutes



Attendance

Brock Ondayko Appalachain Power Company Transmission Owner David Canter Appalachian Power Company Transmission Owner Terry Gates Appalachian Power Company Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Filomena Guy Customized Energy Solutions, Ltd. Not Applicable Carl Johnson Customized Energy Solutions, Ltd.* Not Applicable Sasser Jonathan Customized Energy Solutions, Ltd.* Not Applicable Michael Natrin Delmarva Power & Light Company Electric Distributor Marjorie Philips Direct Energy Business, LLC Other Supplier Jim Davis Dominion Energy Marketing, Inc. Generation Owner Corey Stancombe Duke Energy Services LLC Transmission Owner Corey Stancombe Duke Energy Kentucky, Inc. Transmission Owner Nancy Connelly Duke Energy Ohio, Inc. Transmission Owner Peoples John Duquesne Light Company Transmission Owner Alex Rosenblatt Duquesne Light Company Transmission Owner Chuck Dugan East Kentucky Power Cooperative, Inc. Transmission Owner Malcolm Ainspan Energy Curtailment Specialists, Inc. Other Supplier Campbell Bruce EnergyConnect, Inc. Other Supplier Campbell Bruce EnergyConnect, Inc. District Company Transmission Owner FirstEnergy Solutions Corp.	Attendees	Company	Sector
Benchek Jim American Transmission Systems, Inc. Brock Ondayko Appalachain Power Company Transmission Owner David Canter Appalachain Power Company Transmission Owner Terry Gates Appalachain Power Company Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Filomena Guy Customized Energy Solutions, Ltd. And Applicable Carl Johnson Customized Energy Solutions, Ltd.* Not Applicable Michael Natrin Delmarva Power & Light Company Electric Distributor Marjorie Philips Direct Energy Subutions, Ltd.* Not Applicable Michael Natrin Delmarva Power & Light Company Electric Distributor Marjorie Philips Direct Energy Susiness, LLC Other Supplier Jorge Aguillera Duke Energy Business, LLC Jim Davis Dominon Energy Marketing, Inc. Jorge Aguillera Duke Energy Business, Services LLC Transmission Owner Corey Stancombe Duke Energy Rentucky, Inc. Transmission Owner Nancy Connelly Duke Energy Chio, Inc. Transmission Owner Nancy Connelly Duke Energy Chio, Inc. Transmission Owner Chuck Dugan East Kentucky Power Cooperative, Inc. Transmission Owner Campbell Bruce Energy Cutaliment Specialists, Inc. Other Supplier Chuck Dugan East Kentucky Power Cooperative, Inc. Transmission Owner Campbell Bruce Energy Coutraliment Specialists, Inc. Other Supplier Campbell Bruce Energy Solutions Corp. Transmission Owner Alex Hoatson Galt Power Inc. Other Supplier Sean Baur GildePath Development LLC Not Applicable Webster John Icetec.com, Inc. Other Supplier Sean Baur GildePath Development LLC Not Applicable Webster John Icetec.com, Inc. Market Interconnection LLC Not Applicable Webster John Market Interconnection LLC Not Applicable Webster John Merce Wallace & Nurick LLC Not Applicable Webster John Merce Wallace & Nurick LLC Not Applicable Webster John Merce Hinterconnection LLC Not Applicable Order Supplier George Kogut New York Power Authority Other Supplier George Kogut Not Applicable Order Group Not Applicable Order Supplier Order S	Scott Baker (Facilitator)	PJM Interconnection, LLC	Not Applicable
Brock Ondayko Appalachain Power Company Transmission Owner Cardian Canter Appalachian Power Company Transmission Owner Company Transmission Owner Cigiani Rehan Confedison Energy, Inc. Other Supplier Carl Johnson Customized Energy Solutions, Ltd. Not Applicable Carl Johnson Customized Energy Solutions, Ltd.* Not Applicable Michael Natrin Delmarva Power & Light Company Electric Distributor Marjorie Philips Direct Energy Business, LLC Other Supplier Jorge Aguilera Duke Energy Business, LLC Other Supplier Occept Stancombe Duke Energy Business Services LLC Transmission Owner Corey Stancombe Duke Energy Rentucky, Inc. Transmission Owner Nancy Connelly Duke Energy Rentucky, Inc. Transmission Owner Nancy Connelly Duke Energy Rentucky, Inc. Transmission Owner Nancy Connelly Duke Energy Company Transmission Owner Cuck Dugan East Kentucky Power Cooperative, Inc. Transmission Owner Malcolm Ainspan Energy Curtailment Specialists, Inc. Other Supplier Chuck Dugan East Kentucky Power Cooperative, Inc. Transmission Owner Malcolm Ainspan Energy Curtailment Specialists, Inc. Other Supplier Malcolm Ainspan Energy Curtailment Specialists, Inc. Other Supplier Malcolm Ainspan Energy Curtailment Specialists, Inc. Other Supplier Michael Musffman Enert/OC, Inc. Other Supplier Transmission Owner Malcolm Ainspan Energy Solutions Corp. Transmission Owner Transmission Owner Mike Thorn FirstEnergy Solutions Corp. Transmission Owner Supplier Grant Musffman Enert/OC, Inc. Other Supplier Stransmission Owner Inc. Other Supplier Grant Musffman Enert/OC, Inc. Other Supplier Transmission Owner Inc. Other Supplier Grant Musffman Energy Solutions Corp. Transmission Owner Inc. Other Supplier Grant Musffman Energy Solutions Corp. Transmission Owner Inc. Other Supplier Grant Musffman Energy Solutions Corp. Transmission Owner Inc. Other Supplier Other Supplier Sean Baur GidePath Development LLC Not Applicable Musffer Hinterconnection LLC Not Applicable Musffer Hinterconnection LLC Not Applicable Musffer Hinterconnection LLC Not Applicable Musffer John Mi	Andrew Gledhill (Secretary)	PJM Interconnection, LLC	Not Applicable
David Canter Appalachian Power Company Transmission Owner Terry Gates Appalachian Power Company Transmission Owner Gilani Rehan ConEdison Energy, Inc. Other Supplier Filomena Guy Customized Energy Solutions, Ltd.* Not Applicable Carl Johnson Customized Energy Solutions, Ltd.* Not Applicable Michael Natrin Delmarva Power & Light Company Electric Distributor Marjonie Philips Direct Energy Business, Ltd. Other Supplier Johnson Duke Energy Business, Ltd. Other Supplier Jorge Aguilera Duke Energy Business, Ltd. Generation Owner Jorge Aguilera Duke Energy Business Services Ltd. Transmission Owner Corey Stancombe Duke Energy Rentucky, Inc. Transmission Owner Peoples John Duguesne Light Company Transmission Owner Peoples John Duguesne Light Company Transmission Owner Peoples John Duguesne Light Company Transmission Owner Chuck Dugan East Kentucky Power Cooperative, Inc. Transmission Owner Chuck Dugan East Kentucky Power Cooperative, Inc. Transmission Owner Malcolm Ainspan Energy Curtaliment Specialists, Inc. Other Supplier Grampbell Bruce Energy Curtaliment Specialists, Inc. Other Supplier Brias Kauffman EnerNOC, Inc. Other Supplier Grampbel Bruce Energy Solutions Corp. Transmission Owner Mike Thorn FirstEnergy Solutions Corp. Transmission Owner Mike Thorn FirstEnergy Solutions Corp. Transmission Owner Mike Thorn FirstEnergy Solutions Corp. Transmission Owner David Pratzon GT Power Group Not Applicable Other Supplier Other Supplie	Benchek Jim	American Transmission Systems, Inc.	Transmission Owner
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Christin Domian Mitsubishi Electric Power Products Inc. Not Applicable George Kogut New York Power Authority Other Supplier Brown David NJ Board of Public Utilities Not Applicable Knernschield Jenjira Old Dominion Electric Cooperative Electric Distributor Gregory Carmean OPSI Not Applicable Susan Covino Other Not Applicable	Matt Bammert	Market Interconnection LLC	Not Applicable
George Kogut New York Power Authority Other Supplier Not Applicable Knernschield Jenjira Old Dominion Electric Cooperative Electric Distributor Gregory Carmean OPSI Not Applicable Susan Covino Other Not Applicable	David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Brown DavidNJ Board of Public UtilitiesNot ApplicableKnernschield JenjiraOld Dominion Electric CooperativeElectric DistributorGregory CarmeanOPSINot ApplicableSusan CovinoOtherNot Applicable	Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
Knernschield Jenjira Old Dominion Electric Cooperative Electric Distributor OPSI Not Applicable Susan Covino Other Not Applicable	George Kogut	New York Power Authority	Other Supplier
Gregory Carmean OPSI Not Applicable Susan Covino Other Not Applicable	Brown David	NJ Board of Public Utilities	Not Applicable
Susan Covino Other Not Applicable	Knernschield Jenjira	Old Dominion Electric Cooperative	Electric Distributor
	Gregory Carmean	OPSI	Not Applicable
Madalyn Beban PJM Interconnection, LLC Not Applicable	Susan Covino	Other	Not Applicable
	Madalyn Beban	PJM Interconnection, LLC	Not Applicable

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Draft Minutes



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PJM Interconnection, LLC
PJM Interconnection, LLC
Potomac Electric Power Company
Potomac Electric Power Company

PPL Electric Utilities Corp. dba PPL Utilities PPL Electric Utilities Corp. dba PPL Utilities Public Service Electric & Gas Company Public Utilities Commission of Ohio (The)

Riverside Generating, LLC

Tangibl

Viridity Energy, Inc.

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

Other Supplier

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