

**DER Ride Through Task Force**  
**PJM Conference and Training Center**  
**June 14, 2019**  
**9:00 a.m. – 12:00 p.m. EPT**

## Administration

- Ms. Susan McGill opened the meeting and welcomed those attending in person and on the phone.

Mr. Jonathan Thompson reviewed the Anti-Trust Policy, Code of Conduct, and Media Participation Policy. No media identified themselves as present.

## Study Update

### 2. DER Fast Trip Study Update

Mr. Andrew Levitt and Mr. Rojan Bhattarai presented the initial results of PJM and Argonne National Labs dynamic study of transmission for the response of the DER and transmission network to a 3-phase transmission fault. Key findings included the following:

- DER without ride through causes impact in all scenarios
- DER with ride through has minimal impact in all cases
- DER with momentary cessation ride through mode also has minimal impact when DER follow the recovery requirements of IEEE 1547-2018
- A trip point of >2 seconds at V < 88% and >320 milliseconds at V < 45% may result in minimal impact by providing low-voltage ride through times longer than voltage recovery times

## CBIR Process

### 3. Matrix Review

Ms. Susan McGill reviewed the solutions matrix to solicit stakeholder feedback so that the solutions package can be created. Design components 1, 2, 3, 5, 6, 7, 8, 9, 10 had options chosen based on polling results with little to no feedback given. Design components 4 and 11 received feedback. Design component 4 feedback included recommendations to leave additional requirements up to the local utility, and changing “trip within” to “Clearing time.” Design component 11 feedback included concern that this could create loopholes that generators could exploit.

## Future Meeting Dates

July 8, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
July 30, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
August 20, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
September 13, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx

## In Person Attendance

Present	Company	Sector
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable

Levitt, Andrew	PJM Interconnection, LLC	Not Applicable
McGill, Susan	PJM Interconnection, LLC	Not Applicable
Sweeney, Rory	GT Power Group	Not Applicable
Patil, Ninad	PJM Interconnection, LLC	Not Applicable
Bernabau, Emmanuel	PJM Interconnection, LLC	Not Applicable
Thompson, Jonathan	PJM Interconnection, LLC	Not Applicable

## Teleconference Attendance

Name	Company	Sector
Rumsey, Amanda	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Wiley, Amy	Delaware.gov	Not Applicable
Rankin, Ben	enernex	Other Supplier
Singer, Chad	Trane Grid Services, LLC	Other Supplier
Ericson, Christine	Illinois Commerce Commission	Not Applicable
Mertz, Christopher	Virginia Electric & Power Company	Transmission Owner
Essah, David	State Corporation Commission, Virginia	Not Applicable
Johnston, David	Indiana Utility Regulatory Commission	Not Applicable
Swanger, Eric	Appalachian Power Company	Generation Owner
Huang, Jame	Rockland Electric Company	Transmission Owner
Tobia, James	FirstEnergy Solutions Corp.	Transmission Owner
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Collins, Kevin	Cornerstone Gas, L.L.C.	Generation Owner
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Collette, Lucas	Duquesne Light Company	Transmission Owner
Horning, Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Diong, Mamadou	Dominion Virginia Power	Not Applicable
Wisersky, Megan	Madison Gas & Electric Company	Other Supplier
Colby, Mike	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Singh, Mohit	Commonwealth Edison Company	Transmission Owner
Connelly, Nancy	Duke Energy Ohio, Inc.	Transmission Owner
Ovando, Pablo	The Federal Energy Regulatory Commission	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Paff, Tom	Duke Energy Renewable Services, LLC	Generation Owner
Banunaryanan, Venkat	nreca	Other Supplier
Westfallen, Vincent	Commonwealth Edison Company	Transmission Owner
Chen, Yang	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Ford, Adrien	Old Dominion Electric Cooperative	Not Applicable
Mousa, Ahmed	Public Service Electric & Gas Company	Not Applicable
Hadaway, Alan	American Municipal Power, Inc.	Not Applicable
York, Amy	McNees Wallace & Nurick LLC	Not Applicable
Sherman, Bob	Public Service Electric & Gas Company	Not Applicable
Wehnes, Kathleen	Maryland Public Utility Commission	Not Applicable
Lyakhovich, Leonid	Public Service Electric & Gas Company	Not Applicable
Smith, Mark	American Electric Power	Not Applicable
Bhattacharai, Rojan	Argonne National Laboratory	Not Applicable
Glatz, Suzanne	PJM Interconnection, LLC	Not Applicable

Author: Jonathan Thompson

**Antitrust:**



# Meeting Minutes

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

**Code of Conduct:**

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

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### Participant Identification in WebEx:

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#### On the Phone Dial



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#### Linking Teleconference Connection to WebEx

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#### Join a Meeting

1. Join meeting in the WebEx desktop client
2. Enter name (*First and Last\**) and corporate email
3. Under "Select Audio Option" select "Call Me" option from the dropdown menu

*\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*

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