

**Demand Response Subcommittee**  
**PJM Conference and Training Center**  
**April 24, 2019**  
**9:00 a.m. – 12:00 p.m. EPT**

## (9:00 - 9:15) Administration

1. Welcome, Announcements and Anti-trust and Code of Conduct announcement
  - A. Roll call: in-person only
  - B. Approved the minutes for 3/28/2019 meeting with the correction of replacing Pete Langbein with Andrea Yeaton as chair for the meeting.
  - C. No additional agenda items requested by the group.
  - D. Brief update/discussion of DR related activity in other stakeholder groups – MIC, OC, PC, or other
    - a. Endorsement of on-site generation fields occurred at the March MRC meeting.
  - E. The [Economic DR On-Site Generator](#) presentation was reposted to the Training Material webpage based on prior DRS suggestions.

## (9:15 – 9:30) DR Training Survey reminder

2. Andrea Yeaton provided a quick summary of DR Training survey. PJM has requested stakeholder input on DR training to guide future enhancements. The survey questions are centered on format, length, content, CEH, and CSP certification. The survey closes on April 30, 2019. The link to the survey is located here: [https://survey.qualtrics.com/jfe/form/SV\\_6RJDQWklk1TSZff](https://survey.qualtrics.com/jfe/form/SV_6RJDQWklk1TSZff).

Any questions can be emailed to [Andrea.Yeaton@pjm.com](mailto:Andrea.Yeaton@pjm.com)

## (9:30 – 10:50) Load Management Test requirements

3. Jack O'Neill discussed a PJM proposed solution for the Test requirements. Stakeholders discussed pros and cons of this proposal and the two other proposals (CSP and IMM).

There were significant discussions around who would schedule the test and the duration of the test. Commenters mentioned if PJM schedules the test, it may not be at the most economic time for the CSP. Also, if PJM scheduled the test, there would need to be sufficient time remaining in the delivery year to conduct retest(s), if the qualifications are met and the CSP wanted to improve the score. CSP mentioned a 4 hour test will be difficult to conduct and may be excessive (not needed to understand capability). Further, that testing each registration twice during the Delivery year may also not be necessary and excessive.

More information was requested regarding past LM event performance verses length of past events and also insights into high test performance in some zones.

A request was made for an example of how compensation for a test would occur and how the test process works when a subzonal event was already dispatched

The post meeting updated Load Management Testing Matrix was posted to the DRS webpage under the 4.24.2019 Meeting Materials section. The file is titled *Item 3 – LMT Stakeholder Process Matrix – Revised*.

## (11:00 – 11:20) Economic DR regulation certification process changes

Jim McAnany discussed Economic DR regulation certification changes based on recent experience and questions from CSPs. PJM updated the posted training material for the Regulation certification process. DR registration from locations that have behind the meter generation should coordinate with the EDC to ensure the BtMG (including batteries) meets their requirements. DR registration that requests the use of submetering on the BtMG for performance calculation will only be required to install additional metering at the POI if after coordinating with the EDC there remains a greater than 2% probability that the location may inject power and the location does not have a WMPA or ISA in place. A question was raised if the 2-second scan rate requirement was correct. PJM confirmed that the 2 second scan rate is accurate.

## (11:20 – 11:40) DR Hub Test event notification through webservice

4. Glenn Long reviewed the DR Hub Test event notification and CSP acknowledgement process. This was discussed at the DRS in 2018 and implemented in DR Hub at the end of 2018. PJM has received some questions from CSP and would like to provide a brief reminder on how this works.

Notifications are based on normal DR timing. Acknowledgements are not mandatory, but it is helpful for PJM operations. If no acknowledgement is made, PJM will call CSP to see if there is something PJM can do to help.

CSPs asked to verify coding will not affect normal notifications to customers, so they do not get multiple requests. This change does not impact standard Load Management notifications. As a reminder, the TEST Load Management event notification type must be added to existing systems in order for the notifications to be delivered.

The change went into production in March. Notifications will be seen for tests scheduled to occur in May. Testing and development can be currently done in the Train system.

Any questions can be emailed to [glenn.long@pjm.com](mailto:glenn.long@pjm.com).

## (11:40 – 11:50) DR Hub release scheduled for 4/30/19

Andrea Yeaton reviewed the DR Hub changes scheduled for the 4/30/19 DR Hub release. The changes were adopted through the DERS stakeholder process and targeted at DER/BtMG used for DR activity. These changes affect locations with generators or batteries. The Agreement Type field is now required on generators and batteries. If ISA or WMPA is selected, Injection Rights (MW) is required and Economic registrations will require a CBL Review. A new XSD was also published that CSPs must use to make any updates to locations that have a generator or battery.

The changes are currently in the Train environment (released on 4/16). Changes are scheduled to go to the Production environment on May 21.

## Future Agenda Items

Participants will have the opportunity to request the addition of any new item(s) to the agenda of a future meeting.

## Future Meeting Dates

Wednesday	4/24/2019	9:00 am – 12:00 pm	PJM Conference & Training Center/ Webex
Tuesday	5/28/2019	9:00 am – 12:00 pm	PJM Conference & Training Center/ Webex
Wednesday	6/19/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Tuesday	7/23/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Tuesday	8/13/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Thursday	9/5/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Wednesday	10/2/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Wednesday	11/6/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Monday	12/9/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex

Author: Jack Thomas

Langbein (Chair)	Pete	PJM Interconnection, LLC	Not Applicable
Thomas (Secretary)	Jack	PJM Interconnection, LLC	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Colbert	Cathleen	NRG Power Marketing LLC	Other Supplier
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Kauffman	Brian	EnerNOC, Inc.	Other Supplier
Long	Glenn	PJM Interconnection, LLC	Not Applicable
Lu	Chenchao	PJM Interconnection, LLC	Not Applicable
Marzewski	Skylar	Monitoring Analytics, LLC	Not Applicable
McAnany	James	PJM Interconnection, LLC	Not Applicable
O'Neill	Jack	PJM Interconnection, LLC	Not Applicable
Walker	William	PJM Interconnection, LLC	Not Applicable
Yeaton	Andrea	PJM Interconnection, LLC	Not Applicable

## In Attendance via WebEx / Teleconference

Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Cornett	Stephanie	East Kentucky Power	Transmission Owner

		Cooperative, Inc.	
D'Alessandris	Lou	FirstEnergy Solutions Corp.	Transmission Owner
Davis	James Jim	Dominion Energy Marketing, Inc.	Generation Owner
Doremus	Steven	EnerNOC, Inc.	Other Supplier
Drom	Richard	Eckert Seamans	Not Applicable
Ehrichs	Lisa	Duke Energy Business Services LLC	Generation Owner
Feldman	Brett	Navigant Consulting, Inc.	Not Applicable
Fiano	Anna	KeyTex Energy, LLC	Other Supplier
Foley	Imelda	University of Delaware	Not Applicable
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Gouin	Marlena	FirstEnergy Solutions Corp.	Transmission Owner
Hewett	Christopher	Virginia Electric & Power Company	Transmission Owner
Horning	Lynn	Customized Energy Solutions, Ltd.	Not Applicable
Hyzinski	Tom	GT Power Group	Not Applicable
Johnston	David	Indiana Utility Regulatory Commission	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marzewski	Skyler	Monitoring Analytics, LLC	Not Applicable
Matheson	Douglas	EnerNOC, Inc.	Other Supplier
McDaniel	John	Baltimore Gas and Electric Company	Transmission Owner
Meridionale	Kevin	Jersey Central Power & Light Company	Transmission Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller	John	Commonwealth Edison Company	Transmission Owner
Ondayko	Brock	Appalachain Power Company	Transmission Owner
Pisarcik	Dave	Customized Energy Solutions, Ltd.*	Not Applicable

Polka	Joseph	Duquesne Light Company	Transmission Owner
Powers	Sean	Linde Energy Services, Inc.	End User Customer
Rumsey	Amanda	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schaefer	Stephen (Steve)	SAS Energy	Not Applicable
Singer	Chad	Fellon McCord	Not Applicable
Sturgeon	John	Duke Energy Carolinas, LLC	Other Supplier
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Webster	John	Icetek.com, Inc.	Other Supplier
Wehr	Christopher	Ohio Edison Company	Transmission Owner
Whitehead	Jeffrey	GT Power Group	Not Applicable
Wilmoth	Emily	Dominion Virginia Power	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Zuschak	Joseph	FirstEnergy Solutions Corp.	Transmission Owner

**Antitrust:**

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.

**Public Meetings/Media Participation:**

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings.

**Participant Identification in WebEx:**

When logging into the WebEx desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors WebEx connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.



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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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