

Demand Response Subcommittee
PJM Conference and Training Center
February 27, 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 prior minutes – 1/30/2019 meeting
 - C. No additional agenda items provided
 - D. Brief update/discussion of DR related activity in other stakeholder groups – MIC, OC, PC, or other
 - a. Price Responsive Demand filed on 2/27/19.
 - b. Peak shaving adjustment deficiency response is due 3/6/19
 - c. 1st read at MIC for Load Management Testing and M-11 updates
 - d. Non-Retail Behind the Meter Generation Problem statement up for endorsement at the OC.
 - e. Mass residential registers – M&V plans and annual variance by registration date is due no later than 5/1/19.
 - E. Pete gave a heads up that meetings now starting at 9:00 AM due to agenda beginning to fill up.

(9:15 – 9:30) Review of Economic DR activity during late January, early February cold snap.

2. Jim McAnany reviewed estimated Economic DR activity from January 30th through February 1st. PJM will post estimated and actual Economic DR activity during high load days on [pjm.com](#) on the [Demand Response webpage](#) under the Hot & Cold Day Reports section.

(9:30 – 10:30) Load Management Testing requirements

3. Jack O'Neill reviewed the work plan and started the education process for the Load Management Testing requirements problem statement which is up for endorsement at the next MIC meeting. Time permitted the stakeholders to also begin identifying their interests regarding this issue.

The current rules for LM testing were reviewed. Testing of a registration is required if the registration had not been dispatched in an event requiring mandatory response. CSP must test all registrations of the same product type in same zone at the same time for 1 hour during product specific prescribed time periods during the summer. CSP provides PJM with testing notification of at least 48 hours prior to test start time.

Retest provisions allow a CSP who has achieved sufficiently high performance in an initial test to retest just a subset of registrations (rather than entire fleet) to achieve better performance. The initial resource test must have achieved => 75% of committed MW to qualify. The subset of retest eligible

registrations is limited to those that did not achieve their Summer ICAP value in the initial test. Retests are not required. They are at discretion of CSP.

In response to a member request at the prior DRS meeting, an overview of generator testing requirements was also provided by PJM. Generator testing requirements are located in M-18, sect 8.5 and M-21.

Generators have both summer and winter period requirements. Summer test results can be ambient adjusted to produce winter values. Duration of test is 1-2 hours depending on the generator type. Test performance impacts a generator's EFORd.

As part of the discussion, generator Winter Readiness testing education was requested. Information on the readiness testing can be found in M-14D, Section 7.5.1. It was explained that this is not a capacity related test. Rather, it is to help ensure generators that have not operated recently will be ready to perform if needed during cold weather operations.

(10:30 – 10:45) Review Load Management performance report

4. Masha Nyemko reviewed the recently posted Load management performance report. This report is published by PJM twice a year and summarizes Load Management resource performance during events and tests. Load Management performance reports are located on the [Demand Response webpage](#) under the Load Management Performance reports section.

(10:45 – 11:00) Break

Brian Kauffman provided an update on the EnerNOC Winter DR Problem Statement. He may bring the problem statement to a future MIC.

(11:00 – 11:30) Review updated DR rules for On-Site Generators (DER) that reduce load

5. Pete Langbein provided updated examples and FAQs based on feedback on this agenda item at January DRS meeting. The rules were recently updated through the DERS to clarify DR participation when the location went through the interconnection process for expected injections to the distribution and/or transmission system. PJM also published additional detail regarding Economic DR energy settlement eligibility for locations that use On-site generation for their own purpose but would also like to participate in Economic DR for an incremental amount of generation.

CSPs should be collecting the injection information now. The new DR Hub field will be updated on 6/1/19. The current LM registration process will not be delayed.

***A correction for slide 12 of the presentation is needed. Bullet 2, sub-bullet 2 – Need to change “<” to “>”. Pete will fix and republish the slides

(11:30 – 11:45) Review 2018 Distributed Energy Resources (DER) that Participate in PJM Markets as Demand Response report

6. Masha Nyemko reviewed the updated report that focuses on DER/On-Site Generators that participate as DR and highlighted any significant differences from the 2017 report. The report is located on [pjm.com](#) on the [Demand Response webpage](#) under the Other Reports section.

(11:45 – 12:00) DR Hub release update

- Glenn Long provided an update on the upcoming DR Hub release which includes additional information on the new test/re-test web service structure. Please ask your technical team to join for this agenda item if there are questions on the upcoming changes.

DR Hub Train release occurred on 2/28/19. DR Hub Production release occurred on 3/14/19. All pertinent information was posted on DR Hub help page.

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

Thursday	3/28/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Wednesday	4/24/2019	9:00 am – 4:00 pm	PJM Conference & Training Center/ Webex
Tuesday	5/28/2019	9:00 am – 4:00 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)	Peter	PJM Interconnection, LLC	Not Applicable
Thomas (Secretary)	Jack	PJM Interconnection, LLC	Not Applicable
DeVito	Anthony	Direct Energy Business Marketing LLC	Other Supplier
Foladare	Ken	Tangibl	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Hyzinski	Tom	GT Power Group	Not Applicable
Kauffman	Brian	EnerNOC, Inc.	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Long	Glenn	PJM Interconnection, LLC	Not Applicable
Lu	Chenchao	PJM Interconnection, LLC	Not Applicable
Marzewski	Skyler	Monitoring Analytics, LLC	Not Applicable
McAnany	James	PJM Interconnection, LLC	Not Applicable
Nyemko	Masha	PJM Interconnection, LLC	Not Applicable
O'Neill	Jack	PJM Interconnection,	Not Applicable

		LLC	
Sweeney	Rory	GT Power Group	Not Applicable

In Attendance via WebEx / Teleconference

Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anthony	Jason	KOREnergy, Ltd.	Other Supplier
Bediz	Shane	Bosch	Not Applicable
Bell	Jerry	PJM Interconnection, LLC	Not Applicable
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bond	Danielle	CPower Energy Management	Not Applicable
Brown	David	NJ Board of Public Utilities	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Canter	David	Appalachian Power Company	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Christopher	Mahila	Public Utilities Commission of Ohio (The)	Not Applicable
Colbert	Cathleen	NRG Power Marketing LLC	Other Supplier
Cornett	Stephanie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Cox	Edward (Phil)	Appalachian Power Company	Transmission Owner
D'Alessandris	Lou	FirstEnergy Solutions Corp.	Transmission Owner
Davis	James Jim	Dominion Energy Marketing, Inc.	Generation Owner
Ericson	Christine	Illinois Commerce Commission	Not Applicable
Fiano	Anna	KeyTex Energy, LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Hacker	William	GPU Energy	Not Applicable
Hanser	Erik	Michigan Public Service Commission	Not Applicable

Hastings	David	Market Interconnection LLC	Not Applicable
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Horning	Lynn	Customized Energy Solutions, Ltd.	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Langbein	Pete	PJM Interconnection, LLC	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
Miller	John	Commonwealth Edison Company	Transmission Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko	Brock	Appalachain Power Company	Transmission Owner
Peoples	John	Duquesne Light Company	Transmission Owner
Philips	Marjorie (Marji)	Direct Energy Business, LLC	Other Supplier
Pisarcik	Dave	Customized Energy Solutions, Ltd.*	Not Applicable
Polka	Joseph	Duquesne Light Company	Transmission Owner
Ryan	Chris	Exelon Business Services Company, LLC	Transmission Owner
Ryan	Kevin	Old Dominion Electric Cooperative	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Stroud	Elizabeth	FirstEnergy Solutions Corp.	Transmission Owner
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
Werntges	Bernadette	CPower Energy Management	Not Applicable
Wilmoth	Emily	Dominion Virginia Power	Not Applicable
Wilson	Bram	Diamond State Generation Partners, LLC	Generation Owner
Xenopoulos	Damon	Brickfield, Burchette, Ritts & Stone, P.C.	Not Applicable
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.

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Draft Meeting Minutes

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
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