

Demand Response Subcommittee
PJM Conference and Training Center
August 30, 2018
9:30 a.m. – 12:00 p.m. EPT

Administration (9:30-9:40)

1. Welcome, Announcements and Anti-trust and Code of Conduct announcement
 - A. Roll call: in-person only
 - B. Reviewed prior minutes – 7/16/2018 meeting
 - C. Jack O'Neill informed the group the testing deadline for 2018/19 Limited DR and Base DR is 9/28. Also, the 2017/2018 Annual, Extended Summer and CP DR test results information is now in eRPM. Members should review their information.
 - D. Requested additional agenda items

A request to have a discussion on use of DR in Synchronized reserve was made. (This is Item 6 below)
 - E. Brief update/discussion of DR related activity in other stakeholder groups – MIC, OC, PC, or other
 - SODRSTF** – All proposals use a Load Forecast Adjustment or "LFA" to represent the peak shaving activity. This is up for endorsement in next few days. When an outcome occurs, PRD measurement and verification proposed change will be up for endorsement. This will likely happen at November MRC. Pete will go to October MRC for refresher
 - DERS** – Working on proposals and details around BtMG that can inject. This may impact DR that uses BtMG.
 - CP aggregation proposal developed at DRS is up for endorsement at next MC.

(9:40 – 10:00) DR shutdown cost for Synchronized Reserve market

1. Mr. James McAnany reviewed existing rules for DR Shutdown cost in the Synchronized Reserve market and how to handle in Markets Gateway tool. All such shutdown costs must be submitted to both PJM and IMM for review, and approved by PJM before they can be entered into Markets Gateway. Requests and supporting documentation should be submitted to PJM and to IMM (at DemandResponse@MonitoringAnalytics.com). Currently, manual verification is happening for synchronized reserves. Training material was updated to ensure this is clear.

(10:00 – 10:30) Enhancements to existing registration duplicate resolution process

2. Ms. Andrea Yeaton finalized the plan for enhancements to existing registration duplicate resolution process. The changes included a manual PJM process to contact CSPs when a registration is terminated and the "Completed" checkbox was checked (i.e. registration data went to eRPM). A

second change to implement a “Duplicate – Terminated” status will be implemented before next year’s registration period.

(10:30 – 10:40) Update on Order 844 and impact on DR resources

3. Mr. Rami Dirani provided a brief update of Order 844 impact on DR resources. An overall update has been provided to the MRC. Resource Specific Uplift Report will provide CSP, an ID number, zone, energy pricing point, and the uplift amount. PJM does not plan to include the registration name based on confidentiality concerns. Uplift will apply for energy payments for Economic DR and Pre-Emergency and Emergency DR and are proposed to go live on 1/1/19. The report will be provided through Data Miner2. Rami discussed some of the drivers for the 844 order.

(10:40 – 11:00) Current rules on DR participation with a generator

4. Mr. Pete Langbein provided a high-level overview of existing rules regarding DR participation when a generator or battery will be used to reduce load. Economic DR energy payments are not permitted for load reduction activity that will occur regardless of participation in the wholesale market. A more detailed review will occur at a future DRS meeting.
5. Added agenda item: DR in Synchronized Reserve

It was noted that DR in today’s synchronized reserve market is committing to reduce load. PJM has after-the-fact reports to know how load was reduced (BTMG, load dropped).

(11:00 – 11:45) DR Hub enhancement update

6. Ms. Andrea Yeaton provided an update on enhancements in the upcoming DR Hub release, scheduled for Train on 9/13 and Prod on 10/16. The release consists of new Location fields and automation of the Winter Peak Load calculation. A new XSD will be released, so please forward the presentation to your IT people. All the new Location fields are optional, except two in Generator Attributes that require a Yes or No: Non-Retail BTMG and Backup Generator Only. It was also noted that DR Hub database switchovers between Jefferson and Milford will start in September, consistent with other Tools.
7. Bright ideas – DR Calendar was requested similar to RPM calendar

An Excel calendar is being added to the DR webpage and should be available in September. It will list items such as test windows, registration processes and data submission deadlines. PJM will investigate adding this to the current web calendar. A recommendation to add DR RPM activities to calendar was made. This will be investigated by PJM staff.

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

Tuesday	9/25/2018	9:30 am – 12:00 pm	PJM Conference & Training Center/ Webex
---------	-----------	--------------------	---

Wednesday	10/24/2018	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Friday	11/16/2018	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Monday	12/10/2018	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex

In Attendance

Langbein (Chair)	Peter	PJM Interconnection, LLC	Not Applicable
Thomas (Secretary)	Jack	PJM Interconnection, LLC	Not Applicable
Dirani	Rami	PJM Interconnection, LLC	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.*	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, LLC	Not Applicable
Pratzon	David	GT Power Group	Not Applicable
Walker	Bill	PJM Interconnection, LLC	Not Applicable
Yeaton	Andrea	PJM Interconnection, LLC	Not Applicable

In Attendance via WebEx / Teleconference

Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anthony	Jason	KORenergy, Ltd.	Other Supplier
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Brown	David	NJ Board of Public Utilities	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Canter	David	Appalachian Power Company	Transmission Owner
Cornett	Stephanie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Cox	Phil	Appalachian Power Company	Transmission Owner
Ehrichs	Lisa	Duke Energy Business	Generation Owner

		Services LLC	
Feldman	Brett	Navigant Consulting, Inc.	Not Applicable
Feller	John	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Fiano	Anna	KeyTex Energy, LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Gahimer	Mike	IN Office of Utility Consumer Counselor	End User Customer
Haritashya	Namrata	AES Corporation	Generation Owner
Hastings	David	Market Interconnection LLC	Not Applicable
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Horstman	Andrew	Wabash Valley Power Association, Inc.	Electric Distributor
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
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller	John	Commonwealth Edison Company	Transmission Owner
Modlin	Jayne	Duke Energy Carolinas, LLC	Other Supplier
Nyemko	Masha	PJM Interconnection, LLC	Not Applicable
Ondayko	Brock	Appalachain Power Company	Transmission Owner
Peoples	John	Duquesne Light Company	Transmission Owner
Pisarcik	Dave	Customized Energy Solutions, Ltd.*	Not Applicable
Powers	Sean	Linde Energy Services, Inc.	End User Customer
Ring	Eric	Enerwise Global Technologies, Inc.	Other Supplier
Rouland	James	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Sasser	Jonathan	Customized Energy	Not Applicable

		Solutions, Ltd.*	
Singer	Chad	Fellon McCord	Not Applicable
Sturgeon	John	Duke Energy Carolinas, LLC	Other Supplier
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Trevino	Rita	Siemens Industry, Inc.	Other Supplier
Wehr	Christopher	Ohio Edison Company	Transmission Owner
Whitehead	Jeffrey	GT Power Group	Not Applicable
Yeaton	Andrea	PJM Interconnection, LLC	Not Applicable

Author: Jack Thomas

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.

<p>On the Phone Dial</p>  <p>Mute / Unmute</p>	<p>Linking Teleconference Connection to WebEx</p> <p>To link your teleconference connection (audio presence) to your WebEx presence, please dial *29 and enter your Personal Identification Number. Once you are logged in to the WebEx, this PIN can be found under the "Meeting Info" tab of your WebEx window.</p>
--	--

<p>Join a Meeting</p>	<ol style="list-style-type: none"> 1. Join meeting in the WebEx desktop client 2. Enter name (<i>First and Last*</i>) 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.*



Draft Meeting Minutes

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
Visit learn.pjm.com an easy-to-understand resource about the power industry and PJM's role.