

Demand Response Subcommittee
PJM Conference and Training Center
June 22, 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 was called in-person only
 - B. Minutes from the 5/21/2018 meeting were approved without any changes
 - C. Mr. Pete Langbein added an agenda item to discuss a Capacity Performance business rule clarification related to DR within a subzone.

For a CP DR resource, there is no requirement to post a defined subzone. PJM will continue to make every effort to post all subzones the day before, but unforeseen circumstances may prevent this from happening. It was noted that the Tariff, Attachment DD, Section 11 does not apply to DR CP resources.
 - D. DRS Secretary role transitioned from Andrea Yeaton to Jack Thomas
 - E. Brief update/discussion of DR related activity in other stakeholder groups – MIC, OC, PC, or other. Pete highlighted SODRSTF updated timeline for those interested. No other significant changes for DR activity in other stakeholder groups.
 - F. Ms. Andrea Yeaton discussed the data refresh the DR Hub Training environment. The refresh is scheduled for Tuesday, July 10, 2018. DR Hub Training will be unavailable from 8:00 am (0800) until noon (1200). The current DR Hub Training data will be replaced with production data. An email notification was sent to DR Hub Users and TechNotify email lists on Friday, June 22, 2018, at 12:39 pm (1239) EPT.

Seasonal DR Aggregation Registration Rules (9:40-9:50)

2. Ms. Andrea Yeaton, PJM, provided a clarification to the proposal around aggregation of Capacity Performance (CP) registrations. CP registrations will only have 1 location per registration, unless they need to aggregate to meet the 100kW minimum participation requirement. This will help reduce administrative burdens and provide more PJM dispatch flexibility. This will require RAA change, so Board approval is required. Scheduled to go to the Board on October 3, 2018.

Update to Load Management registration submission deadline language (9:50-10:05)

3. Ms. Andrea Yeaton, PJM, reviewed a change to the OATT and OA to clarify the Load Management submission deadline. In the Tariff, Attachment K-Appendix, Section 8.4 and the Operating Agreement, Schedule 1, Section 8.4, should be updated to "shall" to help reinforce the ten business day requirement. The current practice will not change; just clarifying the language. This change is currently going through the GDECS. If there are any objections to making this change through GDECS, please contact dsr_ops@pjm.com.

Duplicate Resolution Process (10:05-10:30)

- Ms. Andrea Yeaton reviewed the duplicate registrations from the last year and led a discussion of changes that might be needed for the process next year. Ninety-three unique registrations were involved in the duplicate process during the last registration period. Of the 13,433 confirmed registrations, only 0.69% were involved in the duplicate process. Most registrations entering the duplicate process were submitted in May. When a second CSP submits a duplicate registration in DR Hub, a message stating the registration is duplicate is received. The registration goes to Duplicate status for five business days or until both CSPs take action. Regardless of when the five business day period it occurs, the registration is terminated when both CSPs affirm. CSP contact information is confidential, so it cannot be shared by PJM.

Several suggestions were discussed including: don't allow CSP to register if another CSP already has a confirmed registration where the "Completed" flag was checked; allow more time if both CSPs affirm before both will terminate; and share CSP contact information through DR Hub, so CSP can work out issues quicker.

Next steps are to focus on any potential short term changes that can help resolve issues without changing the existing rules. Suggested changes will be discussed at the next meeting. Stakeholder interested in changing the existing rules will need to develop a problem statement and have it approved, before we discuss rule changes. PJM will also bring back original problem statement that went through the stakeholder process last time.

Demand Response Activity Report (10:30-11:00)

- Ms. Masha Nyemko, PJM, reviewed the DR Activity Report. The total Load Management ICAP MW was 8946 MW (2% drop from last year). As of June 8, 2018, DY 18/19 RPM committed load management is 7996 MW.

Question was raised if all DR in the RPM were covered. There was a very small amount of DR MWs deficient at the start of the Delivery Year, but they were quickly replaced such that we no longer have any DR deficient MW in the RPM.

The fuel mix for load management registrations has shifted more towards diesel (10 % increase from last year). The total MW of behind the meter generation decreased from the previous year by approximately 100 MW.

The Batch Load MW included in the Economic DR Synchronous Reserve has increased to 18%. The current maximum limit is 20%. Will need to go through the stakeholder process to raise the limit if so desired.

"Batch Load Demand Resource" shall mean a Demand Resource that has a cyclical production process such that at most times during the process it is consuming energy, but at consistent regular intervals, ordinarily for periods of less than ten minutes, it reduces its consumption of energy for its production processes to minimal or zero megawatts.

Day ahead posting requirement for CP subzonal dispatch (agenda item added at the meeting)

- Pete Langbein clarified that there is no requirement to post subzones the day before an event for CP DR resources. PJM intends to continue to post on day ahead basis similar today but wants to make sure CSPs understand that this is not a requirement for CP DR resources. PJM posted slides for this discussion after the DRS meeting.

Committee Services Inquiries

- For stakeholder meeting update emails, a request was made to include the time and location. Feedback received from the PJM Committee Services group is that the requested information is included in the email updates. There are some calendar applications, other than Outlook, that may not display the information correctly. The PJM Web Development team is aware of the issue.
- A request was made to allow members to sign up for all scheduled meetings at one time. Currently only allowed to sign up for three months. Feedback received from the PJM Committee Services group is that the registration timeline is limited to help keep accurate meeting attendances.

Future Agenda Items

A request to add a new item to the agenda of a future meeting was proposed.

- AEP asked to discuss potential compensation to EDCs for supporting the DR review/approval process

Future Meeting Dates

Monday	7/16/2018	9:30 am – 12:00 pm	PJM Conference & Training Center/ Webex
Thursday	8/30/2018	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Tuesday	9/25/2018	9:30 am – 4:00 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
Bruno	Pat	PJM Interconnection, LLC	Not Applicable
Foldare	Kenneth	Tangibl	Not Applicable
Kauffman	Brian	EnerNOC, Inc.	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Long	Glenn	PJM Interconnection, LLC	Not Applicable
Mabry	Dave	McNees Wallace & Nurick, LLC	Not Applicable
Marezewski	Skyler	Monitoring Analytics, LLC	Not Applicable
Nyemko	Masha	PJM Interconnection,	Not Applicable

		LLC	
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
Alston	Rick	Old Dominion Electric Cooperative	Electric Distributor
Anders	David	PJM Interconnection, LLC	Not Applicable
Anthony	Jason	KORenergy, Ltd.	Other Supplier
Austin	Larry	PJM Interconnection, LLC	Not Applicable
Brown	David	NJ Board of Public Utilities	Not Applicable
Bruno	Joshua	PJM Interconnection, LLC	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Cornett	Stephanie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Cox	Phil	Appalachian Power Company	Transmission Owner
Driscoll	Mary Ellen	PJM Interconnection, LLC	Not Applicable
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
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Gahimer	Mike	IN Office of Utility Consumer Counselor	End User Customer
Gebolys	Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Heinle	Frederick	Office of the People's Counsel	End User Customer
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Horstman	Andrew	Wabash Valley Power Association, Inc.	Electric Distributor

Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kaczanowski	Marek	Baltimore Gas and Electric Company	Transmission Owner
Kinser	Cynthia	Tennessee Department of Agriculture	Not Applicable
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marton	David	FirstEnergy Solutions Corp.	Transmission Owner
Michaud	Troy	Genscape, Inc.	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Peoples	John	Duquesne Light Company	Transmission Owner
Pisarcik	Dave	Customized Energy Solutions, Ltd.*	Not Applicable
Polka	Joseph	Duquesne Light Company	Transmission Owner
Price	Ruth Ann	Division of the Public Advocate of the State of Delaware	End User Customer
Reed	Elizabeth	TXU Energy	Not Applicable
Rutigliano	Tom	Achieving Equilibrium LLC	Other Supplier
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Wehr	Christopher	Ohio Edison Company	Transmission Owner
Whitehead	Jeffrey	GT Power Group	Not Applicable
Wilkie	Brian	Consolidated Edison Solutions, Inc	Other Supplier
Winkler	Eric	Winkler Energy Consulting	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier

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.




Draft Meeting Minutes

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.*

Langbein, Peter (Chair)	PJM Interconnection, LLC	Not Applicable
Thomas, Jack (Secretary)	PJM Interconnection, LLC	Not Applicable
Bruno, Pat	PJM Interconnection, LLC	Not Applicable
Foldare, Kenneth	Tangibl	Not Applicable
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Long, Glenn	PJM Interconnection, LLC	Not Applicable
Mabry, Dave	McNees Wallace & Nurick, LLC	Not Applicable
Marezewski, 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