

**Demand Response Subcommittee  
WebEx/Conference Call  
May 14, 2021  
1:00 pm – 2:30 pm EPT**

## Administration (1:00 -1:15)

1. Welcome, Announcements and Anti-trust and Code of Conduct announcement
  - A. WebEx report will be used for attendance
  - B. Review prior minutes –3/11/2021 meeting
  - C. Request for any additional agenda items
  - D. Brief update/discussion of DR related activity in other stakeholder groups – MIC, OC, PC, or other
    - Order 2222 being discussed in DIRS meeting
    - Capacity Market & MOPR, Critical Issues Fast Track
  - E. Upcoming Web Services Authentication Changes – please make sure your IT team is aware.
    - Glen Long provided a reminder that PJM will discontinue support of the internet protocol TLS on November 1, 2021 and requested Members to remind their IT staff about this upcoming change. In addition, PJM will implement PKI (Public Key Infrastructure) certification by user login which will be required for logging in to Ex Schedule and OASIS beginning May 4. The same login requirement will be implemented in DR Hub in 1st Qtr 2022. FAQs and Education session available on PJM.com. [Presentation](#)

## (1:15 – 1:20) Markets job analysis survey [Presentation](#)

2. Don Kujawski from the PJM Training team will provide an overview and collect input on Markets Job Analysis Survey.
  - Don Kujawski provided information on the PJM Market Certification, available since July 2017. In preparation for the certification test being updated, a survey was sent to Member companies in mid-April asking practitioners of PJM markets to fill the survey from their perspective (frequency of use, importance, current understanding, etc). Survey results will be very important in helping to decide which types of questions are included in the updated certification test. Please fill out the survey and return to PJM.

## (1:20 – 1:25) Price Responsive Demand Order (PRD)

3. Andrea Yeaton will provide a brief summary of the order and associated implementation plan.
  - Andrea Yeaton provided an overview of PRD LSE Credit Disposition issue filed with FERC, which eliminates the LSE role from PRD. A FERC order accepting the revision was received on 4/28/21 with effective date of June 1, 2021.

## (1:25 – 1:35) Texas Winter Grid Issues

4. Pete Langbein will discuss DR related issues related to Gas infrastructure curtailments during the ERCOT winter grid outages.
  - Pete Langbein requested CSPs to advise PJM of any pipeline customers they may have in order to better understand any lessons learned from the ERCOT incident (some critical gas infrastructure facilities being curtailed) and how similar issues can be avoided at PJM.

## (1:35 – 2:10) Load Management Delivery Year transition activities [Presentation](#)

5. Jack O'Neill will discuss end of Delivery Year activities and beginning of Delivery Year activity for summer operational readiness. The will focus on reminders of key dates and activities to ensure end of Delivery Year activities go smoothly and ensure summer readiness for new Delivery Year.
  - CSPs should use Capacity Exchange and DR Hub to determine capacity position (linked registrations to capacity commitments). Daily Deficiency Charges will result if commitment is not covered by registrations.
  - PJM Dispatchers use expected reduction reporting as an aid in determining dispatch decisions for load management events. CSP expected reduction data submission is required and forms the basis of the reports used by Dispatch. The reported values are expected energy reductions and are not used for capacity compliance calculations.
  - Web Services provide primary means of load management dispatch communication. CSPs are required to poll PJM each minute for potential dispatch instruction. Secondary communication channels include PJM ALL-CALL system (required), Emergency Procedures website (optional use), and emails from DR Hub. The Deploy All Resources emergency action voids any lead time and dispatched registrations are expected to reduce immediately (including those already dispatched with a lead time in effect). The resultant start time for any shortened or eliminated lead time is always provided via the web service polling.
  - Reminders
    - Testing of 20/21 CP LM Registrations must be completed by 22:00 (EPT) May 28, 2022.
    - Test/Retest Confirmation open from June 1, 2021 – 23:59 (EPT) July 15, 2021.
    - LM Registrations must be confirmed by 23:59 (EPT) May 31, 2021. May 31, 2021 is Memorial Day is a NERC/PJM observed holiday.

## (2:10 – 2:30) Economic DR and On-Site Generator procedural update [Presentation](#)

6. Pete Langbein will discuss updates to the Economic DR On-Site Generator settlement process to determine activity that is not part of normal operations.

- Generator classifications include Behind-The-Meter (BTMG), On-Site Generation (as used for DR to reduce load for economic and/or load management purposes, or Generator, (having injection rights, as used for capacity and/or energy resources). For those On-Site Generators without injection rights, energy settlements eligible to be paid are those where the marginal cost of generator is greater than the retail cost of electricity. For those generators with injection rights typically they are not eligible, unless CSP and PJM can finalize a way to determine when Marginal cost of generator is greater than the benefit of both retail cost savings and injection revenue. On-Site Generator setup can be accomplished within DR Hub on the Location tab, within the Load Reduction Section. Click on the [ i ] symbol to add and provide data on On-Site generation. For generators being used in Economic DR, select NO for Backup Only during generator setup. PJM will reach out to applicable CSPs to ensure current manual process is understood. PJM looks to automate this process in DRHUB in the near future. PJM will present use cases next meeting to highlight CBL calculation and settlements (BOR).

## 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

Monday	6/8/2021	3:00 – 5:00 pm
Friday	7/9/2021	9:00 am – 12:00 pm
Thursday	8/5/2021	1:00 – 4:00 pm
Thursday	9/2/2021	1:00 – 4:00 pm
Monday	10/4/2021	1:00 – 4:00 pm
Wednesday	11/10/2021	9:00 am – 12:00 pm
Thursday	12/9/2021	9:00 am – 12:00 pm

Author: Jack Thomas

### Attendance:

Langbein	Pete	PJM Interconnection, LLC	Chair
Watts	Shane	PJM Interconnection, LLC	Secretary
Anthony	Jason	KOREnergy, Ltd.	Other Supplier
Arnold	Katelyn	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Breidenbaugh	Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Brooks	Royce	Old Dominion Electric Cooperative	Electric Distributor
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Campbell	Bruce	Enerwise Global Technologies, Inc.	Other Supplier
Cavan	Peter	Direct Energy Business, LLC	Other Supplier
Colpo	Marc	Duke Energy Business Services LLC	Transmission Owner
Cornett	Stephanie	East Kentucky Power Cooperative, Inc.	Transmission Owner
D'Alessandris	Lou	American Transmission Systems, Inc.	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner

Donahue	Erin	Enel X North America, Inc.	Other Supplier
Drom	Richard	Eckert Seamans	Not Applicable
Ehrichs	Lisa	Duke Energy Business Services LLC	Transmission Owner
Fee	George	Appalachian Power Company	Transmission Owner
Fiano	Anna	KeyTex Energy, LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Gahimer	Michael	IN Office of Utility Consumer Counselor	End-Use Customer
Horning	Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Hyzinski	Tom	GT Power Group	Not Applicable
Jardot	Gina	NRG Curtailment Service Provider	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	Not Applicable
Kaczanowski	Marek	Baltimore Gas and Electric Company	Transmission Owner
Kim	Jiyeon	Potomac Electric Power Company	Not Applicable
Kirk	Ryan	Appalachian Power Company	Transmission Owner
Kujawski	Don	PJM Interconnection, LLC	Not Applicable
Lewis	Cara	Public Service Electric & Gas Company	Transmission Owner
Long	Glenn	PJM Interconnection, LLC	Not Applicable
Lu	Chenchao	PJM Interconnection, LLC	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
McAnany	James	PJM Interconnection, LLC	Not Applicable
McDaniel	John	Baltimore Gas and Electric Company	Transmission Owner
McManus	Jeffrey	Natural Resources Defense Council	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nole	Anthony	NuEnergy, LLC	Other Supplier
Ondayko	Brock	AEP Energy Partners, LLC	Transmission Owner
O'Neill	Jack	PJM Interconnection, LLC	Not Applicable
Pasternack	Bernie	Transmission Strategies LLC	Not Applicable
Polka	Joseph	Duquesne Light Company	Transmission Owner
Tripathy	Pradeep	Burns & McDonnell	Not Applicable
Ring	Eric	Enerwise Global Technologies, Inc.	Other Supplier
Rodriguez	Tomas	OPSI	Not Applicable
Rowan	Jane	Normandeau Environmental Consultants	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schisler	Ken	Enerwise Global Technologies, Inc.	Other Supplier
Schmitt	Jeffrey	PJM Interconnection, LLC	Not Applicable
Sorrels	James	AEP	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Sweeney	Rory	GT Power Group	Not Applicable
Thomas	Jack	PJM Interconnection, LLC	Not Applicable
Webster	John	Dyon LLC	Not Applicable

Wehnes	Kathleen	Maryland.gov	Not Applicable
Willey	Amy	Delaware.gov	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Yeaton	Andrea	PJM Interconnection, LLC	Not Applicable

**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. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

**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><b>On the Phone, Dial</b></p>  <p>to Mute/Unmute</p>	<p><b>Linking Teleconference Connection to Webex</b></p> <p>When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.</p>
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<p><b>Join a Meeting</b></p>	<ol style="list-style-type: none"> <li>1. Join meeting in the Webex desktop client</li> <li>2. Enter name (<i>First and Last*</i>) and corporate email</li> <li>3. Under "Select Audio Option" select "Call Me" option from the dropdown menu</li> </ol>
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*\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*



# Agenda

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