

Demand Response Subcommittee
WebEx/Conference Call
July 9, 2021
9:00 am – 10:30 am EPT

Administration (9:00 - 9:15)

1. Welcome, Announcements and Anti-trust and Code of Conduct announcement
 - A. WebEx report will be used for attendance
 - B. Review prior minutes – 6/8/2021 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. Pete Langbein discussed future tariff changes in the stakeholder process which included minor provisions regarding switching status from BTM generation to DR. Additional topics included Sync Reserve Dispatch Task Force discussions on how sync reserves are deployed. Unlike traditional generation resources, when DR gets deployed for sync reserves, it goes through electronic notification (web services) from DR Hub.

Additional items that will be discussed in other stakeholder groups in the future includes two Peak Shaving Adjustments changes, although there is no participation thus far. Item 1 – compressed BRA schedule versus PSA schedule; there is a tariff conflict on timing was the submission of a PSA plan. In one instance, the PSA Plan must be submitted based on a certain number of day prior to the BRA schedule. In the other instance the PSA plan must be submitted prior to the annual load forecast process that starts in late September. PJM must file an update with FERC to make that change to reconcile the dates. If member plans to submit a PSA plan for the BRA for DY 2024/2025, PJM would suggest that the member submit the plan 10 days prior to September 30th, 2021. Item 2 – As PSA Training Material was being developed, PJM noticed that the calculation used in Manual 19 for PSA performance is possibly incorrect. PJM intends to take this manual change through the stakeholder process.
 - E. Reminder: 2020/2021 LM Test Event Confirmation and submission of compliance data due by 7/15/2021 Jack O’Neil provided a reminder on the due date for the DY 2020/2021 event confirmation and data submission is July 15, 2021.
 - F. Upcoming Training Reminders. Shane Watts provided a view on the [DR Training Plan](#) for the remainder of calendar year 2021. The next scheduled training class will be delivered beginning August 23, 2021, kicking off four, 3-hour WebEx sessions targeting a comprehensive DR review across all markets.

(9:15 – 9:45) Economic DR Energy Settlements for On-Site Generation [Presentation](#)

2. Jim McAnany and Pete Langbein continued the discussion on the Economic energy settlement process for On-Site Generators. Pete Langbein and Jim McAnany provided an update to the on-site generation economic settlement process that was detailed in the June 2021 DRS. The Implementation date for the changes to DR Hub process is expected to occur on September 1, 2021. All events and associated

settlements created on or after 9/1 will go through this updated process. If the DR Hub changes are delayed, then the implementation of the modified settlement process will be delayed. Screen captures of energy settlements were shown to include the 4 new columns (Supply, Delivery, Fuel Cost, and VOM) that will appear starting September 1. After receiving feedback from CSPs on the proposed process, PJM made an adjustment and has determined that the energy settlement methodology for eligibility will be performed hourly instead of the previously proposed average over all hours in a settlement. PJM also presented high-level generator cost guidelines and asked CSPs for input on these as well. PJM plans to update the generator cost guidelines based on questions over time.

(9:45 – 10:00) Monthly Report Review

3. Jim McAnany will highlight significant changes or trends from the [Monthly Report](#). Jim McAnany highlighted the July 2021 Monthly Report including a breakdown of various demand response resource particulars and how they compare to 2020 figures.

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 | 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

| Last Name | First Name | Company | Sector |
|---------------|------------|--|----------------------|
| Langbein | Pete | PJM Interconnection, LLC | DRS Chair |
| Watts | Shane | PJM Interconnection, LLC | DRS Secretary |
| Anders | David | PJM Interconnection | None |
| Anthony | Jason | KOREnergy, Ltd. | Other Supplier |
| Arnold | Katelyn | PPL Electric Utilities Corporation d/b/a PPL Utilities | Transmission Owner |
| Baker | Scott | PJM Interconnection, LLC | None |
| Birnholz | Zach | Voltus, Inc. | Other Supplier |
| Breidenbaugh | Aaron | Rodan Energy Solutions (USA) Inc. | Other Supplier |
| Brooks | Royce | Old Dominion Electric Cooperative | Electric Distributor |
| Callen | Zachary | Non Member | None |
| Campbell | Bruce | Enerwise Global Technologies, LLC | Other Supplier |
| Carmean | Gregory | OPSI | Not Applicable |
| Chang | Sean | Shell Energy North America (US), L.P. | Other Supplier |
| Christopher | Mahila | Public Utilities Commission of Ohio (The) | Not Applicable |
| Cornett | Stephanie | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| D'Alessandris | Lou | FirstEnergy Solutions Corp. | Transmission Owner |
| Davis | Jim | Dominion Energy Generation Marketing, Inc. | Generation Owner |

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|-------------|------------|--|----------------------|
| Donohue | Erin | Enel X North America, Inc. | Other Supplier |
| Drom | Richard | Eckert Seamans | Not Applicable |
| Dugan | Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Ehrichs | Lisa | Duke Energy Business Services LLC | Transmission Owner |
| Fan | Zhenyu | PJM Interconnection, LLC | |
| Farrokh | Rahimi | OATI | Not Applicable |
| Fee | George | Appalachian Power Company | Transmission Owner |
| Fiano | Anna | KeyTex Energy, LLC | Other Supplier |
| Filomena | Guy | Customized Energy Solutions, Ltd. | Not Applicable |
| Foladare | Kenneth | Tangibl | Not Applicable |
| Ford | Adrien | Old Dominion Electric Cooperative | Electric Distributor |
| Gahimer | Michael | IN Office of Utility Consumer Counselor | End-Use Customer |
| Gates | Terry | Appalachian Power Company | Transmission Owner |
| Guntle | Vincent | American PowerNet Management | End-Use Customer |
| Horning | Lynn Marie | Customized Energy Solutions, Ltd. | Not Applicable |
| Hyzinski | Tom | GT Power Group | Not Applicable |
| John | Miller | Calico Energy Services | Not Applicable |
| Johnson | Carl | Galt Power, Inc. | Other Supplier |
| Johnston | David | Indiana Utility Regulatory Commission | |
| Kirk | Ryan | Appalachian Power Company | Transmission Owner |
| Kogut | George | New York Power Authority | Other Supplier |
| Korandovich | Bob | KORenergy, Ltd. | Other Supplier |
| Layton | Leah | Non Member | None |
| Long | Glen | PJM Interconnection, LLC | None |
| Lu | Chenchao | 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-Use Customer |
| McAnany | James | PJM Interconnection, LLC | Not Applicable |
| McDaniel | John | Baltimore Gas and Electric Company | Transmission Owner |
| McManus | Kat | Armada Power, LLC | Other Supplier |
| Meridionale | Kevin | Jersey Central Power & Light Company | Transmission Owner |
| Ondayko | Brock | Appalachain Power Company | Transmission Owner |
| O'Neill | Jack | PJM Interconnection, LLC | Not Applicable |
| Peoples | John | Duquesne Light Company | Transmission Owner |
| Pierce | Evan | Non Member | None |
| Poulos | Greg | CAPS | Not Applicable |
| Powers | Sean | Linde Energy Services, Inc. | End-Use Customer |
| Rodriguez | Tomas | Organization of PJM States, Inc. (OPSI) | |
| Sasser | Jonathan | Customized Energy Solutions, Ltd.* | Not Applicable |
| Sorrels | James | AEP | Transmission Owner |
| Swalwell | Brad | Tangent Energy Solutions, Inc. | Other Supplier |

| | | | |
|---------|----------|-----------------------------------|----------------|
| Sweeney | Rory | GT Power Group, LLC | None |
| Webster | John | Icetec.com, Inc. | Other Supplier |
| Wehnes | Kathleen | Maryland.gov | Not Applicable |
| Wiley | Amy | Delaware | None |
| Yeaton | Andrea | PJM Interconnection, LLC | Not Applicable |
| Yoo | Jin | Non Member | None |
| Young | Craig | Rodan Energy Solutions (USA) Inc. | Other Supplier |

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.

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| <p>On the Phone, Dial</p>  <p>to Mute/Unmute</p> | <p>Linking Teleconference Connection to Webex</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>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 |
|------------------------------|--|

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Agenda

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.