

Demand Response Subcommittee
WebEx/Conference Call
June 8, 2021
3:00 pm – 5:00 pm EPT

Administration (3:00 -3:15)

1. Welcome, Announcements and Anti-trust and Code of Conduct announcement
 - A. WebEx report used for attendance.
 - B. Approved the 5/14/2021 meeting minutes.
 - C. An additional agenda item regarding the 2022/2023 Base Residual Auction (BRA) results was requested. Specifically, it was asked if PJM knew why the energy efficiency (EE) values increased so much. An exact reason could not be provided, but a possible explanation is due to the last auction occurring three years ago, perhaps EE resources may have been built and waiting for an available capacity auction.
 - D. Brief update/discussion of DR related activity in other stakeholder groups – MIC, OC, PC, or other

The Synchronous Reserve Deployment Task Force (SRDTF) is investigating the controlled deployment of synchronized reserves and energy price alignment. DR is in scope, so DRS participants should follow the SRDTF's progress. Pete will provide an update at next DRS.

As clarification, it was noted that the official notification to DR for synchronized reserve is through DR Hub. The All Call is the secondary source.
 - E. Participants were reminded that the window to confirm 2020/2021 DY Load Management test events and submit compliance data ~~ing~~ was opened on June 1, 2021 and will close on July 15, 2021.

(3:15 – 4:15) Economic DR with On-Site Generator energy settlement process

2. Jim McAnany and Pete Langbein provided more details on the updated process based on requests from the last DRS. This also included DR Hub enhancements to facilitate the process. [Presentation](#)

On-site generation energy settlements currently employ a manual process. The CSP must provide an email to PJM on the first business day of the month with agreed upon data for the prior month. PJM will notify the CSP within a week that they can submit the settlements. PJM unchecks the hours when retail cost exceeds generator operating cost, so those hours are not used for settlements (it is expected the generator would operate without wholesale market participation since it is cheaper to operate the unit they buy retail electricity). It was noted during the meeting that multi-tier energy rates could possibly make it difficult to get the data to PJM by the first of the month. The PJM DR team asked participants to inform them of any potential obstacles preventing a CSP to meet the timeline. PJM will work out transition timing for implementing this process with each CSP that has registrations affected by the recent modification to Backup-Only generators (PJM mentioned that such implementation does not contain a retroactive component).

DR Hub enhancements are planned for economic registrations with on-site generation by end of summer 2021. The enhancements will enable such registrations to follow the normal settlements timeline (as opposed to the current manual process). The CSP will enter the retail rate type, delivery charge, supply charges, and generator fuel cost and variable O & M on the economic registration in DR Hub. These fields will also appear on the settlement for each hour with values from the registration as the default value (if using LMP, DR Hub will populate that hourly data on the settlement automatically). The CSP will have the ability to adjust hourly generator costs (if they are variable) or retail rate on the settlement. DR Hub will determine whether the settlement is eligible for payment ~~by calculating average generator costs and retail rates over all the hours in a settlement, whether the hours are contiguous or not by c. (if average generator cost is less than the average retail rate, the settlement will not be processed).~~ PJM and the stakeholder discussed whether to compare average wholesale cost and retail rate for all hour during the settlement day, or just contiguous hours during the settlement day, or simply compare each hour. PJM in DR Hub, PJM will 'uncheck' the settlement hours, deny the settlement and will create a Resource Outage in DR Hub to ensure that the day is excludeding that date from subsequent Customer Baseline (CBL) calculations. However, it was suggested that, in light of the example of discontinuous segments within a settlement, DR Hub determine eligibility of each *segment* within a settlement (by averaging over the segment), as opposed to determining eligibility of the entire settlement (by averaging over all the hours in the settlement). It was also mentioned that generators currently use this latter approach for settlements (PJM DR team will verify). Pete asked the group to let him know as soon if a particular settlement method (hourly, average across contiguous hours or average across hours during the day) will create any issues and if there is a preferred approach. PJM is leaning toward doing the calculation on an hourly basis as possible which settlements method your company thinks would be best.

Discussion continued over PJM's analysis focusing on the effect on CBL calculations by assigning Resource Outages in DR Hub to the ineligible/denied settlements excluding them from subsequent CBL calculations. The analysis (controlling only for the variation that ineligible settlements introduce) shows that assigning outages (excluding) such days improvesd the accuracy of subsequent CBL calculations. It was mentioned that consideration of effects on CBL also should take account of various generator types.

A high-level guidelines document for variable O & M will be available in the near future. This will be compiled based on actual experience working through the process with members.

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

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



DRAFT Meeting Minutes

Wednesday
Thursday
Author: Jack Thomas

11/10/2021
12/9/2021

9:00 am – 12:00 pm
9:00 am – 12:00 pm

Attendance:

Langbein	Pete	PJM Interconnection, LLC	Chair
Thomas	Jack	PJM Interconnection, LLC	Secretary
Anders	David	PJM Interconnection, LLC	Not Applicable
Arnold	Katelyn	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Breidenbaugh	Aaron	Rodan Energy Solutions (USA) Inc.	Other Supplier
Brooks	Royce	Old Dominion Electric Cooperative	Electric Distributor
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Carmean	Gregory	OPSI	Not Applicable
Christopher	Mahila	Public Utilities Commission of Ohio (The)	Not Applicable
Colpo	Marc	Duke Energy Business Services LLC	Transmission Owner
Donahue	Erin	Enel X North America, Inc.	Other Supplier
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ehrichs	Lisa	Duke Energy Business Services LLC	Transmission Owner
Fan	Zhenyu	PJM Interconnection, LLC	Not Applicable
Fee	George	Appalachian Power Company	Transmission Owner
Fiano	Anna	KeyTex Energy, LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Grod	Roman	Rodan Energy Solutions (USA) Inc.	Other Supplier
Guntle	Vince	American PowerNet Management	End-Use Customer
Harmon	Zac	Illinois.Gov	Not Applicable
Horning	Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Hull	Gerit	Jennings, Strouss & Salmon, P.L.C.	Not Applicable
Hyatt	John	Monitoring Analytics, LLC	Not Applicable
Hyzinski	Tom	GT Power Group	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.	Not Applicable
Kim	Jiyeon	Constellation Energy Commodities Group, Inc.	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Kreuzer	Ricci	APH Acquisition, LLC	Other Supplier
Long	Glenn	PJM Interconnection, LLC	Not Applicable
Lu	Chenchao	PJM Interconnection, LLC	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Matheson	Doug	Enel X North America, Inc.	Other Supplier
McAnany	James	PJM Interconnection, LLC	Not Applicable
McDaniel	John	Baltimore Gas and Electric Company	Transmission Owner
McManus	Kat	APH Acquisition, LLC	Other Supplier
McNish	Rebecca	Commonwealth Edison Company	Transmission Owner
Meridionale	Kevin	Jersey Central Power & Light Company	Transmission Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nole	Anthony	NuEnergen, LLC	Other Supplier
Nowell	Cynthia	Delmarva Power & Light Company	Electric Distributor

Ondayko	Brock	Appalachain Power Company	Transmission Owner
O'Neill	Jack	PJM Interconnection, LLC	Not Applicable
Rorie	Lezael	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schisler	Ken	Enel X North America, Inc.	Other Supplier
Schmitt	David	BPU New Jersey	Not Applicable
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Swenson	Kristin	MISO (Midcontinent Independent System Operator)	Not Applicable
Thomas	Jack	PJM Interconnection, LLC	Not Applicable
Wehnes	Kathleen	Maryland.gov	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Yeaton	Andrea	PJM Interconnection, LLC	Not Applicable
Young	Craig	Viridity Energy, 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.

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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>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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**Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.*



DRAFT Meeting Minutes

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