

**Demand Response Subcommittee**  
**PJM Conference and Training Center**  
**October 21, 2016**  
**9:30 a.m. – 11:30 p.m. EPT**

## Administration

1. Welcome, Announcements and Anti-trust and Code of Conduct announcement
  - A. Roll was called.
  - B. The minutes from the 9/30/2016 meeting were approved without modification.
  - C. Dates for the 2017 DRS Meetings were announced and are at the bottom of the agenda/minutes.
  - D. Additional agenda item: Jack O'Neill, PJM, reminded CSPs that the 5 CP days were posted and if anyone tested on those days and want the meter data included in addbacks, they must get their data in by Nov. 6<sup>th</sup>. Otherwise, Limited testing meter data is due by Nov. 14<sup>th</sup>.
  - E. Brief update/discussion of DR related activity in other stakeholder groups:
    - a. MRC: Scott Baker will give an update on the Seasonal Capacity Senior Task Force on what PJM intends to file and the plans to sunset the task force.
    - b. Underperformance Task Force – Becky Carroll is working through results of votes. There are no significant DR topics being discussed.
    - c. MRC Special Session: discussion of Distributed Energy Resources with respect to Behind the Meter Generation injections and if it can inject for DR or must go through the connection process.

## DR Load Management Open Registration

2. Mr. Pete Langbein, PJM, reviewed changes in the matrix since last meeting that were in redline. Terminating registrations that can no longer perform were discussed and how to handle duplicate registrations. Testing requirements for registrations marked as Completed after the start of the Delivery Year were discussed and the topic will be continued at the next meeting.

Pat Bruno, PJM, gave a presentation on the impact of new and terminated registrations to eRPM positions with examples of each.

## Impact of 5 minute settlements on DR energy settlements

3. Mr. Pete Langbein, PJM, provided an update of expected 5 minute settlement process for DR energy settlements, which is being discussed at the MIC. DR will still use hourly meters but will prorate them down to 5 minute intervals and use the LMP average for each segment. A detailed example was provided.

**Please invite your Technical personnel for the DR Hub portion**

**DR Hub Update**

- Ms. Andrea Yeaton, PJM, updated members on DR Hub (eLRS replacement). Web Services will be implemented in the Training environment on Nov. 17<sup>th</sup>. The user interface will be implemented at a later date. The November date will allow time to provide fully functional Web Services.

**Future Agenda Items**

No additional agenda items were identified..

**Future Meeting Dates**

Friday	11/11/2016	9:30 am – 12:00 pm	PJM Conference & Training Center/ Webex
Monday	12/12/2016	9:30 am – 12:00 pm	PJM Conference & Training Center/ Webex
Friday	1/27/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Wednesday	2/22/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Wednesday	3/15/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Friday	4/7/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Tuesday	5/16/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Wednesday	6/14/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Monday	7/17/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Tuesday	8/29/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Friday	9/22/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Monday	10/30/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Wednesday	11/15/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex
Friday	12/8/2017	9:30 am – 4:00 pm	PJM Conference & Training Center/ Webex

**In Attendance**

Langbein, Peter (Chair)	PJM Interconnection, LLC	Not Applicable
Yeaton, Andrea (Secretary)	PJM Interconnection, LLC	Not Applicable
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Coffey, Patrick	PJM Interconnection, LLC	Not Applicable
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
O'Neill, Jack	PJM Interconnection, LLC	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner

## In Attendance via WebEx / Teleconference

Alston, Rick  
 Austin, Larry  
 Benchek, Jim  
 Bloom, David  
 Campbell, Bruce  
 Cox, Edward P  
 Feldman, Brett  
 Feliks, Kent  
 Fiano, Anna  
 Filomena, Guy  
 Fuess, Jay  
 Guerry, Katie  
 Heise, Randi  
 Horstman, Andrew  
 Hoyt, Matthew  
 Klink, Troy  
 Kolo, Elta  
 Mabry, David  
 Malkin, David  
 Marton, David  
 Matheson, Doug  
 McDaniel, John  
 Midgley, Sharon  
 Ondayko, Brock  
 Peoples, John  
 Philip, Richard  
 Pisarcik, Dave  
 Powers, Sean  
 Rutigliano, Tom  
 Sasser, Jonathan  
 Schneider, Jonathan  
 Scoglietti, Barbara  
 Weaver, Tomas  
 Wehr, Christopher  
 Wilmoth, Emily  
 Wiltse, Alexandra  
 Wisersky, Megan  
 Zephyr, Frantz

Old Dominion Electric Cooperative  
 PJM Interconnection, LLC  
 FirstEnergy Solutions Corp.  
 Baltimore Gas and Electric Company  
 EnergyConnect, Inc.  
 Appalachian Power Company  
 Navigant Consulting, Inc.  
 Appalachian Power Company  
 KeyTex Energy, LLC  
 Customized Energy Solutions, Ltd.\*  
 White Pine Energy Consulting  
 EnerNOC, Inc.  
 Dominion Virginia Power  
 Wabash Valley Power Association, Inc.  
 Exeter Associates, LLC  
 FirstEnergy Solutions Corp.  
 GTM  
 McNees Wallace & Nurick LLC  
 KORenergy, Ltd.  
 FirstEnergy Solutions Corp.  
 EnerNOC, Inc.  
 Baltimore Gas and Electric Company  
 Exelon Business Services Company, LLC  
 Appalachian Power Company  
 Duquesne Light Company  
 Duke Energy Business Services LLC  
 Customized Energy Solutions, Ltd.\*  
 Linde Energy Services, Inc.  
 Achieving Equilibrium LLC  
 Customized Energy Solutions, Ltd.\*  
 FirstEnergy Solutions Corp.  
 Tangent Energy Solutions, Inc.  
 EnerNOC, Inc.  
 Metropolitan Edison Company  
 Dominion Virginia Power  
 Baltimore Gas and Electric Company  
 Madison Gas & Electric Co.  
 Public Service Electric & Gas Company

Electric Distributor  
 Not Applicable  
 Transmission Owner  
 Transmission Owner  
 Other Supplier  
 Transmission Owner  
 Not Applicable  
 Transmission Owner  
 Other Supplier  
 Not Applicable  
 Not Applicable  
 Other Supplier  
 Not Applicable  
 Electric Distributor  
 Not Applicable  
 Transmission Owner  
 Not Applicable  
 Not Applicable  
 Other Supplier  
 Transmission Owner  
 Other Supplier  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Not Applicable  
 End User Customer  
 Other Supplier  
 Not Applicable  
 Transmission Owner  
 Other Supplier  
 Other Supplier  
 Other Supplier  
 Transmission Owner  
 Not Applicable  
 Transmission Owner  
 Other Supplier  
 Transmission Owner

Author: Andrea Yeaton

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