

Demand Response Subcommittee (DRS)  
In Person, Conference Call/Webex  
January 14, 2016  
9:30 p.m. – 12:00 p.m. [EST]

## Administration

1. Welcome, announcements and Anti-trust and Code of Conduct announcement
  - A. Roll was called.
  - B. Minutes for the 10/27/2015 meeting were approved as written.
  - C. No additional agenda items were identified.
  - D. Brief update/discussion of DR related activity in other stakeholder
    - a. MC will be voting on DR non-summer capacity CBL process
    - b. OC is discussing current CP rules to assess the terms under which seasonal resources may participate as capacity resources in the 2020/2021 Delivery Year and beyond.

## Manual 40 language for Training and Compliance Issue Charge

2. Mr. Glen Boyle, PJM, reviewed the new PJM process to manage mandatory member training compliance. A compliance score will be calculated and any score greater than or equal to 5 will get a letter and a FERC notice will occur if compliance isn't achieved after 30 days. There is DR mandatory training for CSPs that have resources that participate in the Ancillary Service markets.

## eTools Single Sign-On Impacts to eLRS

3. Mr. Glenn Long, PJM, reviewed Single Sign On (SSO) changes for the eLRS User Interface (eTools), which is targeted for Sandbox and Production in Q1 2016. Password lengths will increase, they will need to be reset every 126 days and there will be new Account Security questions. CAM administrators will begin using a 2 factor authentication. The UI login for eTools, including eLRS, changes will be transparent and eLRS Web Services will not change. Any refreshed eTools such as Markets Gateway, Data Viewer, etc. will require a token (session cookie only valid for 24 hours) for Web Services.

## Load Management Registration Process quick review

4. Mr. Jack O'Neill, PJM, reviewed Load Management registration process. The enrollment period opened at the beginning of January and new registrations may be submitted until May 16<sup>th</sup>. Capacity Performance registration names must all start with "CP\_" and should select the Annual product as a workaround for the enrollment period. The Annual product designation will be used to also represent CP product in eLRS for 16/17 DY and PJM will distinguish whether it is CP or Annual based on associated RPM resource and use of "CP\_" designation.

## DR Capacity Performance Update for No-Notice Operating Procedures

5. Mr. Jack O'Neill, PJM, reviewed DRAFT Capacity Performance (CP) no-notice procedures for Load Management events. It is expected that most Load Management events will honor the registration lead

times, however there may be times when CP lead times may be reduced or eliminated to ensure grid reliability. In this event, there will be a normal notification of the event, and the shortened lead time will be announce only through All-Call and Emergency Procedures. eLRS electronic notification through webservice will not send an updated lead time. This is an interim solution and PJM expects to implement more robust solution in DR Hub. See [this page](#) for more information on Emergency Procedures and [here](#) for how to sign up for Emergency Procedures texts and emails.

## Modification to the Regulation Certification Process

- Mr. James McAnany, PJM, reviewed clarifications to the Regulation Certification process which includes documenting how the location will regulate and specifics on how the CSP will prevent the location from injecting power back onto the grid when the location is in the regulation market as a DR resource.

## DR Hub Update

- Ms. Andrea Yeaton, PJM, gave an update on DR Hub (replacement for eLRS). The sandbox release is targeted for June 2016 and production for December 2016. DR Hub will support CP, residential sampling, registrations of < 100 kW as well as streamline the meter and QA process and task review by EDCs and LSEs. PJM also asked for input regarding the use of DR Hub to issue Load Management Drill events. This would allow CSPs to receive Load Management drill events from production during PJM emergency drills to help provide a more robust drill. PJM and CSPs believe this is a good idea but will need to work on specifics to ensure CSP are clear when Load Management event is a DRILL and not a real event. DRS requested that PJM schedule technical oriented discussion on DR Hub implementation toward the end of DRS meeting. This is similar format used for eLRS implementation which allowed members to have technical representative attend during the implementation discussions.

## Load Management Performance Report

- Ms. Shira Horowitz, PJM, reviewed the Load Management Performance Report. There were no Load Management events to date, so the only performance available is based on mandatory tests. Overall CSP test performance was very good at 133% of commitment. Note – this is test performance for Limited DR only, Extended Summer and Annual DR test are not finalized until August 2016 since they may conduct test in May 2016.

## Monthly DR Activity Report

- Mr. James McAnany, PJM, reviewed the monthly DR Activity Report. This is the first report that includes all of the prior year.

## Future Agenda Items

No new agenda items were identified.

## Future Meeting Dates

|          |           |                   |   |
|----------|-----------|-------------------|---|
| Friday   | 2/19/2016 | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Monday   | 3/21/2016 | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Thursday | 4/14/2016 | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Monday   | 5/16/2016 | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |

|           |            |                   |   |
|-----------|------------|-------------------|---|
| Thursday  | 6/23/2016  | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Wednesday | 7/20/2016  | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Tuesday   | 8/23/2016  | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Wednesday | 9/21/2016  | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Friday    | 10/21/2016 | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Friday    | 11/11/2016 | 9:30 am – 4:00 pm | PJM Conference & Training Center/ Webex |
| Monday    | 12/12/2016 | 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   |
| Campbell, Bruce            | EnergyConnect, Inc.                | Other Supplier   |
| Coffey, Patrick            | PJM Interconnection, LLC           | Other Supplier   |
| Foladare, Kenneth          | IMG Midstream LLC                  | Generation Owner |
| Fuess, James               | White Pine Energy Consultin        | Not Applicable   |
| Guerry, Katie              | EnerNOC, Inc.                      | Other Supplier   |
| Hagaman, Derek             | GT Power Group                     | Not Applicable   |
| Horowitz, Shira            | PJM Interconnection, LLC           | Not Applicable   |
| Johnson, Carl              | Customized Energy Solutions, Ltd.* | Not Applicable   |
| Kogut, George              | New York Power Authority           | Other Supplier   |
| Long, Glenn                | PJM Interconnection, LLC           | Not Applicable   |
| McAnany, James             | PJM Interconnection, LLC           | Not Applicable   |
| O'Neill, Jack              | PJM Interconnection, LLC           | Not Applicable   |
| Pratzon, David             | GT Power Group                     | Not Applicable   |
| Shparber, Steven           | PJM Interconnection, LLC           | Not Applicable   |
| Stadelmeyer, Rebecca       | PJM Interconnection, LLC           | Not Applicable   |

## In Attendance via Web Ex / Teleconference

|                    |   |                      |
|--------------------|---|----------------------|
| Ainspan, Malcolm   | Energy Curtailment Specialists, Inc.                | Other Supplier       |
| Azbell, Ryan       | Interstate Gas Supply, Inc.                         | Other Supplier       |
| Barker, Jason      | Exelon Business Services Company, LLC               | Transmission Owner   |
| Bloom, David       | Baltimore Gas and Electric Company                  | Transmission Owner   |
| Bolan, Martin      | FirstEnergy Solutions Corp.                         | Transmission Owner   |
| Chen, Jennifer     | Natural Resources Defense Council                   | Not Applicable       |
| Cornett, Stephanie | East Kentucky Power Cooperative, Inc.               | Transmission Owner   |
| Davis, Connie      | City of Cleveland, DPU, Div of Cleveland Public Pwr | Electric Distributor |
| DeNavas, Joseph    | Potomac Electric Power Company                      | Electric Distributor |
| Dickson, Douglas   | New Jersey Board of Public Utilities                | Not Applicable       |
| Dugan, Chuck       | East Kentucky Power Cooperative, Inc.               | Transmission Owner   |
| Farber, John       | DE Public Service Commission                        | Not Applicable       |
| Feldman, Brett     | Navigant  | Not Applicable       |
| Fiano, Anna        | KeyTex Energy, LLC                                  | Other Supplier       |
| Filomena, Guy      | Customized Energy Solutions, Ltd.*                  | Not Applicable       |
| Fitch, Neal        | NRG Power Marketing, LLC                            | Generation Owner     |
| Gebolys, Debbie    | Public Utilities Commission of Ohio (The)           | Not Applicable       |
| Gockley, Beatrice  | EnergyConnect, Inc.                                 | Other Supplier       |
| Greening, Michele  | Talen Energy Marketing, LLC                         | Generation Owner     |
| Harvey, Colby      | Negawatt Business Solutions, Inc.                   | Other Supplier       |
| Hoatson, Tom       | Riverside Generating, LLC                           | Other Supplier       |
| Hodskins, Jessica  | Duke Energy Kentucky, Inc.                          | Transmission Owner   |

Horstman, Andrew  
Johnson, Carl  
Klink, Troy  
Korandovich, Bob  
Lacy, Catharine  
Loeb, Max  
Lyser, Shelly  
Mabry, David  
Malkin, David  
Marzewski, Skyler  
Matheson, Doug  
McAlister, Lisa  
McGuirk, Brian  
Miller, John  
Nguyen, John  
Nguyen, Laura  
Norton, Chris  
Nowell, Cynthia  
Peoples, John  
Peterson, James  
Polakowski, Raymond  
Poulos, Greg  
Powers, Sean  
Price, Dann  
Rutigliano, Tom  
Sasser, Jonathan  
Scoglietti, Barbara  
Semrau, Keith  
Spaeth, Michael  
Stewart, Travis  
Trevino, Rita  
Walker, Bill  
Watts, Shane  
Wehr, Christopher  
Whitehead, Jeffrey  
Wiegand-Jackson, L  
Wilmoth, Emily  
Wynn, Laura  
Zephyr, Frantz

Wabash Valley Power Association, Inc.  
Customized Energy Solutions, Ltd\*  
FirstEnergy Solutions Corp.  
KORenergy, Ltd.  
Dominion Virginia Power  
NRG Power Marketing, LLC  
Rockland Electric Company  
McNees Wallace & Nurick LLC  
KORenergy, Ltd.  
Monitoring Analytics, LLC  
EnerNOC, Inc.  
American Municipal Power, Inc.  
Direct Energy Business Marketing, LLC  
Carroll County Energy LLC  
Northern Virginia Electric Cooperative  
unknown  
American Municipal Power, Inc.  
Potomac Electric Power Company  
Duquesne Light Company  
ITC Mid-Atlantic Development LLC  
Direct Energy Business Marketing, LLC  
EnerNOC, Inc.  
Linde Energy Services, Inc.  
Constellation NewEnergy, Inc.  
Achieving Equilibrium LLC  
Customized Energy Solutions, Ltd.\*  
Tangent Energy Solutions, Inc.  
Cleveland Public Power  
AEP Energy, Inc.  
Gabel & Associates  
Siemens Industry, Inc.  
PJM Interconnection, LLC  
PJM Interconnection, LLC  
Metropolitan Edison Company  
Direct Energy Business Marketing, LLC  
IPKeys Power Partners LLC  
Dominion Virginia Power  
Stone Matheis Zenopoulos and Brew, PC  
Public Service Electric & Gas Company

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

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