

**Market Settlements Subcommittee  
Conference Call  
December 8, 2016  
1:00 p.m. – 4:00 p.m. EST**

## Administration

PJM reviewed the Anti-Trust Policy, Code of Conduct and Media Participation Policy and performed roll call. The Subcommittee approved the minutes from the November 10, 2016 MSS meeting.

1. Mr. John McComb, PJM, provided a reminder on the Power Meter and InSchedule Deadline Extensions for the Christmas and New Year's Day holidays.

## Working Issues

2. NSPL Daily Zonal Scaling Factors Update

Mr. Nick DiSciullo, PJM, discussed the history of the Problem Statement and Issue Charge regarding market data consistency for NSPL and PLC daily zonal scaling factors. He detailed the upcoming changes to the existing Daily Zonal Scaling Factors spreadsheet posted on the RPM page on PJM.com. A new tab will display the NSPL factor for a zone/area, and a second tab will display a flag indicating whether an EDC is scaling NSPLs prior to submitting to RPM or if they are utilizing RPM to scale. EDCs were asked to provide their scaling plans during the meeting.

As a reminder, on January 1, 2017, RPM will begin accepting uploads of unscaled NSPLs and will scale them similar to how PLCs are currently scaled.

3. FERC Order 825 – Discussion on Sub-Hourly Settlements

Mr. Ray Fernandez, PJM, discussed the proposed Energy Market, Ancillary Services and Operating Reserves billing line item changes related to the implementation of 5 minute settlements. He provided an example on the proposed changes to day-ahead and balancing calculations for Implicit Congestion and Losses, which will be modified to no longer break down the zonal and residual aggregates to the bus level. This proposed change will result in more straightforward calculations, eliminate the balancing implicit congestion and loss charges if day-ahead and real-time load matches, simplify MSRS reports and provide performance improvements for the PJM settlement calculation system.

PJM will continue to provide education on this working issue. There was a request for a summary of the Demand Response changes related to sub-hourly settlements, which will be provided by PJM at a future MSS meeting.

## Miscellaneous Settlements Items

Mr. Sean Flamm, PJM, discussed the recent updates to the ARR Target Credits report.

Mr. Michael Borradaile, PJM, reminded the Subcommittee on the January 1 implications of ARR Ownership Reassignments

A question was raised asking when the Transmission Enhancement Settlement (EL05-121-009) report documentation was going to be posted. The documentation has been uploaded to PJM.com and communicated to the MSS email distribution list on December 9, 2016.

## 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

|                    |                       |                 |
|--------------------|-----------------------|-----------------|
| January 19, 2017   | 1:00 p.m. – 4:00 p.m. | Conference Call |
| February 16, 2017  | 1:00 p.m. – 4:00 p.m. | Conference Call |
| March 16, 2017     | 1:00 p.m. – 4:00 p.m. | Conference Call |
| April 20, 2017     | 1:00 p.m. – 4:00 p.m. | Conference Call |
| May 18, 2017       | 1:00 p.m. – 4:00 p.m. | Conference Call |
| June 15, 2017      | 1:00 p.m. – 4:00 p.m. | Conference Call |
| July 20, 2017      | 1:00 p.m. – 4:00 p.m. | Conference Call |
| August 17, 2017    | 1:00 p.m. – 4:00 p.m. | Conference Call |
| September 21, 2017 | 1:00 p.m. – 4:00 p.m. | Conference Call |
| October 19, 2017   | 1:00 p.m. – 4:00 p.m. | Conference Call |
| November 16, 2017  | 1:00 p.m. – 4:00 p.m. | Conference Call |
| December 7, 2017   | 1:00 p.m. – 4:00 p.m. | Conference Call |

## Attendees

|                                 |  |                      |
|---------------------------------|--|----------------------|
| Fernandez, Raymond (Chair)      | PJM Interconnection, LLC                       | Not Applicable       |
| Disciullo, Nicholas (Secretary) | PJM Interconnection, LLC                       | Not Applicable       |
| Ainspan, Malcolm                | Energy Curtailment Specialists, Inc.           | Other Supplier       |
| Atlas, Ted                      | Talen Energy Marketing, LLC                    | Generation Owner     |
| Austin, Larry                   | PJM Interconnection, LLC                       | Not Applicable       |
| Bernier, Monica                 | Calpine Energy Services, L.P.                  | Generation Owner     |
| Bertocchi, John                 | Metropolitan Edison Company                    | Transmission Owner   |
| Bloom, David                    | Baltimore Gas and Electric Company             | Transmission Owner   |
| Borradaile, Michael             | PJM Interconnection, LLC                       | Not Applicable       |
| Brito, Daisy                    | Long Island Lighting Company d/b/a LIPA        | Other Supplier       |
| Budney, David                   | PJM Interconnection, LLC                       | Not Applicable       |
| Carson, Donna                   | East Kentucky Power Cooperative, Inc.          | Transmission Owner   |
| Caruthers, Anna                 | FirstEnergy Solutions Corp.                    | Transmission Owner   |
| Chesser, Kathrina               | Power Costs Inc.                               | Not Applicable       |
| Cicero, Nicholas                | FirstEnergy Solutions Corp.                    | Transmission Owner   |
| Contreras, Melissa              | Appalachian Power Company                      | Transmission Owner   |
| Coyne, Suzanne                  | PJM Interconnection, LLC                       | Not Applicable       |
| Di Iorio, Michelle              | PSEG Energy Resources and Trade LLC            | Transmission Owner   |
| Farber, John                    | DE Public Service Commission                   | Not Applicable       |
| Ferger, Amber                   | Energy Cooperative of America, Inc.            | Not Applicable       |
| Filomena, Guy                   | Customized Energy Solutions, Ltd.*             | Not Applicable       |
| Flamm, Sean                     | PJM Interconnection, LLC                       | Not Applicable       |
| Garcia, Max                     | Calpine Energy Services, L.P.                  | Generation Owner     |
| Gleckler, Eric                  | Appalachian Power Company                      | Transmission Owner   |
| Grisolia, Albert                | Public Service Electric & Gas Company          | Transmission Owner   |
| Hagaman, Derek                  | GT Power Group                                 | Not Applicable       |
| Hart, Joy                       | North Carolina Electric Membership Corporation | Electric Distributor |
| Hartman, Gary                   | Talen Energy Marketing, LLC                    | Generation Owner     |
| Higgins, Sharon                 | Duke Energy Commercial Asset Management, Inc.  | Generation Owner     |
| Holter, Natasha                 | PJM Interconnection, LLC                       | Not Applicable       |
| jerry, kelvin                   | Baltimore Gas & Electric Company               | Transmission Owner   |
| Kingston, Amber                 | North Carolina Electric Membership Corporation | Electric Distributor |
| Kotras, Craig                   | Baltimore Gas and Electric Company             | Transmission Owner   |
| Krauss, Robert                  | Public Service Electric & Gas Company          | Transmission Owner   |
| Loudenburg, Zack                | Pennsylvania Renewable Resources, Associates   | Generation Owner     |



# Meeting Minutes

Lovely, Christina  
Martinson, Tia  
Marton, David  
McComb, John  
McDevitt, Megan  
Medley, Jennifer  
Menciano, Christina  
Mendez, Maria  
meridionale, Kevin  
Midgley, Sharon  
Mollenkopf, Sandy  
Molnar, Steve  
Nichols, Lloyd  
Norton, Chris  
Ondayko, Brock  
Peoples, John  
Phillips, Amanda  
plevin, cherie  
Polka, Joseph  
Rayhorn ES, Carolyn  
Reid, Ryan  
Rodis, Eric  
Salem, Jay  
Saxe, Barbara  
Saxena, Richa  
Scherer, Paul  
Sensenig, James  
Shaffer, Brian  
Tangirala, Subha  
Teamann, Cynthia  
Tew ES, Linda  
Treadwell, Albert  
Verduin, Glenn  
Wade, Shelby  
Weathers, Brian  
Werner, Christopher  
Wilhite, Chad  
Williams, Stanley  
Wilson, Rob  
Wise, Eric  
Zacconi, Bruno

Calpine Energy Services, L.P.  
Grand Ridge Energy LLC  
FirstEnergy Solutions Corp.  
PJM Interconnection, LLC  
PECO Energy Company  
Appalachian Power Company  
Energy Authority, Inc. (The)  
Public Service Electric & Gas Company  
Jersey Central Power & Light Company  
Exelon Business Services Company, LLC  
East Kentucky Power Cooperative, Inc.  
AEP Appalachian Transmission Company, Inc.  
Commonwealth Chesapeake Company, LLC  
American Municipal Power, Inc.  
Appalachian Power Company  
Duquesne Light Company  
Wabash Valley Power Association, Inc.  
Duke Energy Ohio, Inc.  
Duquesne Light Company  
Dominion Virginia Power  
Buckeye Power, Inc.  
Union Electric Company d/b/a Ameren Missouri  
Pennsylvania Electric Company  
Public Service Electric & Gas Company  
Noble Americas Energy Solutions LLC  
Commonwealth Edison Company  
Pennsylvania Electric Company  
Atlantic City Electric Company  
ABB  
FirstEnergy Solutions Corp.  
Virginia Electric & Power Company  
Allegheny Electric Cooperative, Inc.  
Public Service Electric & Gas Company  
Louisville Gas & Electric Co./Kentucky Utilities Co.  
PJM Interconnection, LLC  
Appalachian Power Company  
FirstEnergy Solutions Corp.  
PJM Interconnection, LLC  
Illinois Municipal Electric Agency  
Energy Authority, Inc. (The)  
PECO Energy Company

Generation Owner  
Generation Owner  
Transmission Owner  
Not Applicable  
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Transmission Owner  
Other Supplier  
Transmission Owner  
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Other Supplier  
Transmission Owner

Author: Nicholas DiSciullo