

Draft Meeting Minutes



Market Settlements Subcommittee Conference Call October 13, 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 September 22, 2016 MSS meeting.

Working Issues

1. Updates to PJM PDF Billing Invoice

Mr. Sean Flamm, PJM, reviewed the recent updates to the PJM PDF Billing Invoices. The updates give users the ability to copy and paste text from the invoice, add annotations to text, add drawing markups, and combine the PDFs into a PDF portfolio.

2. PJM Metering Task Force Update

Mr. Ryan Nice, PJM, discussed the recent updates and deliverables form the Metering Task Force and how they impact PJM settlements. To summarize, Manual 01, Control Center and Data Exchange Requirements, Section 5: Metering System Requirements has been updated and restructured. Billing Metering is now separated from Operational Metering. Upcoming revisions will update accuracy requirements for backup settlement meters.

In addition to the Manual 01 changes, Manual 28 will also be updated to provide a description of a fully metered EDC.

There was a request for PJM to provide education on how Real Time metering impacts settlements, specifically how Real Time MWs are used to calculate Real Time LMP prices on the system. PJM will cover this education at a future Market Settlements Subcommittee meeting.

3. NSPL Daily Zonal Scaling Factors – Rounding Issues and Possible Solutions

Mr. Sean Flamm, PJM, presented slides on the rounding issues involved with the NSPL scaling and data submission changes in eRPM. He presented two solution options, the D'Hondt Allocation Method and an alternate allocation method based on rounding differences. The subcommittee reviewed examples of each method and conducted a WebEx poll to determine which solution would be preferred. The poll results showed 16 votes for D'Hondt Allocation method and 8 votes for the alternate allocation method. PJM will continue developing the NSPL Daily Zonal Scaling Factor change by using the D'Hondt Allocation method.

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

Mr. Ray Fernandez, PJM, discussed the Generation and Load imbalance component related to the 5 minute settlement implementation. He described how an imbalance is inherently introduced in the Real Time Net Interchange calculation due to flat profiling of load. This imbalance impacts the 5 minute balancing spot market energy charge, spot market loss value, total hourly transmission loss charges, and the hourly transmission loss credits allocated to market participants. Ray will discuss these changes at the November 2, 2016 MIC meeting.

No changes to InSchedule have been identified. PowerMeter will be changed to allow generators to submit 5 minute data if it is available and will display the hourly integrated value in the tool.

PJM will continue to provide education on the impacts of the 5 minute settlement implementation.

Miscellaneous Settlements Items

Mr. Nick DiSciullo, PJM, provided an update on the new LSE InSchedule and NSPL Activity Summary report, which was covered at the September 22, 2016 MSS meeting. The report is currently being developed, and more details will be communicated to the Market Settlements Subcommittee email distribution in the near future.

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

November 10, 2016 December 8, 2016 January 19, 2017 February 16, 2017 March 16, 2017 April 20, 2017 May 18, 2017 June 15, 2017 July 20, 2017 August 17, 2017 September 21, 2017 October 19, 2017 November 16, 2017 December 7, 2017	1:00 p.m. – 4:00 p.m.	Conference Call
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Attendees

Fernandez, Ray (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nick (Secretary)	PJM Interconnection, LLC	Not Applicable
Ahuja, Sarang	Exelon Generation Co., LLC	Generation Owner
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Atlas, Ted	Talen Energy Marketing, LLC	Not Applicable
Austin, Larry	PJM Interconnection, LLC	Not Applicable
Bargas, Steven	Tenaska Power Services Co.	Generation Owner
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bernier, Monica	Calpine Energy Services, L.P.	Generation Owner
Bertocchi, John	Metropolitan Edison Company	Transmission Owner

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Bloom, David

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Bolan, Martin Borradaile, Michael Budney, David Burkett, Monica Caruthers, Anna Chesser, Kathrina Cicero, Nicholas Coleman, Robert Coyne, Suzanne Curtis, Eileen Dessender, Harry Di Iorio, Michelle Dugan, Chuck Eagles, Suzanne Erbrick, Michael Farber, John Filomena, Guy Flamm, Sean Gilani, Rehan Gleckler, Eric Goldsberry, Katherine Grisolia, Albert Hagaman, Derek Hart, Joy Hartman, Gary Hemmert, John Hewett, Christopher Holter, Natasha Hopkins, Sandra Hsia, Eric Huber, Steven Huber, Steven Jerry, Kelvin Johnson, Carl Juhrden, Jane Kenney, Susan Kingston, Amber Kotras, Craig Krauss, Robert Krishnaraj, Morgini Laaouaouda, Adbel Loudenburg, Zack Lovely, Christina Mabry, David Martinson, Tia Marton, David Mayfield, Maida McComb, John Medley, Jennifer Menciano, Christina Mendez, Maria Meridionale, Kevin Myser, Carole Nice, Ryan Nichols, Lloyd Ondayko, Brock Peoples, John Phillips, Amanda Plevin, Cherie Pober, Jeremy Polka, Joseph Popella, Jeff

Rayhorn, Carolyn

Reynolds, Karen

Reid, Ryan

Baltimore Gas and Electric Company FirstEnergy Solutions Corp. PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC FirstEnergy Solutions Corp. Power Costs Inc. FirstEnergy Solutions Corp. BP Energy Company PJM Interconnection, LLC Commonwealth Edison Company Customized Energy Solutions, Ltd.* PSEG Energy Resources and Trade LLC East Kentucky Power Cooperative, Inc. Exelon Generation Co., LLC Dhastco DE Public Service Commission Customized Energy Solutions, Ltd.* PJM Interconnection, LLC Consolidated Edison Energy, Inc. Appalachian Power Company EDP Renewables North America, LLC Public Service Electric & Gas Company GT Power Group North Carolina Electric Membership Corporation Talen Energy Marketing, LLC Dayton Power & Light Company (The) Virginia Electric & Power Company PJM Interconnection, LLC Virginia Electric & Power Company PJM Interconnection, LLC PSEG Energy Resources and Trade LLC Public Service Electric & Gas Company Baltimore Gas & Electric Company Customized Energy Solutions, Ltd.* Atlantic City Electric Company PJM Interconnection, LLC North Carolina Electric Membership Corporation Baltimore Gas and Electric Company Public Service Electric & Gas Company Brookfield Energy Marketing LP FirstEnergy Solutions Corp. Pennsylvania Renewable Resources, Associates Calpine Energy Services, L.P. McNees Wallace & Nurick LLC Grand Ridge Energy LLC FirstEnergy Solutions Corp. Duke Energy Business Services LLC PJM Interconnection, LLC Appalachian Power Company Energy Authority, Inc. (The) PSEG Energy Resources and Trade, LLC Jersey Central Power & Light Company Appalachian Power Company PJM Interconnection, LLC Commonwealth Chesapeake Company, LLC Appalachian Power Company **Duquesne Light Company** Wabash Valley Power Association, Inc. Duke Energy Ohio, Inc. Power Costs Inc **Duquesne Light Company**

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Dayton Power & Light Company (The)

Dominion Virginia Power

Dominion Virginia Power

Buckeye Power, Inc.



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Rieger, Laura Salem, Jay Sasser, Jonathan Saxe, Barbara Saxena, Richa Sensenig, James Shaffer, Brian Sharkazy III, William Siemen, Nick Singamsetti, Rajesh Srinivasan, Sunil Tangirala, Subha Teamann, Cynthia Tew, Linda Treadwell, Albert Tumbleson, Renee Verduin, Glenn Weathers, Brian Weiss, Glenn Werner, Christopher Whitehead, Jeffrey Williams, Stanley Wilmoth, Emily Wilson, Rob Wise, Eric Yu, Joel

Author: Nicholas DiSciullo

ACES Energy Pennsylvania Electric Company Customized Energy Solutions, Ltd.*
Public Service Electric & Gas Company Nobel Americas Energy Solutions LLC Pennsylvania Electric Company Atlantic City Electric Company PPL Electric Utilities Corp. dba PPL Utilities **AES** Corporation Aces Power Marketing APX ABB FirstEnergy Solutions Corp. Virginia Electric & Power Company Allegheny Electric Cooperative, Inc. FirstEnergy Solutions Corp. PSEG Energy Resources and Trade LLC PJM Interconnection, LLC PJM Interconnection, LLC Appalachian Power Company Direct Energy Business Marketing, LLC PJM Interconnection, LLC Dominion Virginia Power Illinois Municipal Electric Agency Energy Authority, Inc. (The) Rockland Electric Company

Not Applicable Transmission Owner Not Applicable Transmission Owner

Electric Distributor Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner

Electric Distributor Transmission Owner Other Supplier Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Not Applicable Electric Distributor Other Supplier Transmission Owner

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