

**Market Settlements Subcommittee  
Conference Call  
May 22, 2019  
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 April 18, 2019 MSS meeting.

Members were asked to provide any updates to their NSPL scaling plans. No updates were provided.

Mr. Nick DiSciullo, PJM, provided details on Settlement C processing in the April 2019 monthly invoice impacting the DOM zone. January 2019 source data was adjusted.

The July MSS meeting has been rescheduled to July 22<sup>nd</sup>.

## Working Issues

### 1. Order 841 Energy Storage Resources

Mr. Andrew Levitt, PJM, provided an update on FERC Order 841 Energy Storage Resources. Andrew discussed definitions, policy timeline, the ESR opt in/out participation model, the difference between dispatched and non-dispatched charging energy (NDCE), charges paid by non-dispatched charging energy, and NDCE Reporting for EDCs.

Mr. Andrew Levitt also discussed the settlement of Load Serving Charging Energy for Energy Storage Resources that directly serve load under Order 841. Andrew provided in-depth examples of various ESR configurations, including settling load and Direct Charging Energy load serving ESR, metering and method to identify Load Serving Charging Energy at a resilience ESR, and metering and method to identify Direct Charging Energy at a customer-side ESR.

Additional discussion on this topic will take place during the June MIC and MSS meetings.

### 2. Manual 28 Biennial Review

Mr. Ray Fernandez, PJM, provided an informational update on the proposed red-lined changes to Manual 28 as part of the biennial review process. The red-lined changes will be presented at the June 12<sup>th</sup> MIC for a first read.

## Miscellaneous Settlements Items

### 3. ARR Target Credits

Mr. Sean Flamm, PJM, presented the upcoming changes to the ARR Target Credits report. PJM proposed adding an additional column to differentiate between ARR that were originally allocated and ARR that were distributed based on network load shifts.

## 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

June 20, 2019	1:00 p.m. – 4:00 p.m.	Conference Call
July 22, 2019	1:00 p.m. – 4:00 p.m.	Conference Call
August 15, 2019	1:00 p.m. – 4:00 p.m.	Conference Call
September 19, 2019	1:00 p.m. – 4:00 p.m.	Conference Call
October 24, 2019	1:00 p.m. – 4:00 p.m.	Conference Call
November 21, 2019	1:00 p.m. – 4:00 p.m.	Conference Call
December 18, 2019	1:00 p.m. – 4:00 p.m.	Conference Call

## Attendees (in person)

Fernandez, Raymond (Chair)	PJM Interconnection, LLC	Not Applicable
DiSciullo, Nicholas (Secretary)	PJM Interconnection, LLC	Not Applicable
Budney, David	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne	PJM Interconnection, LLC	Not Applicable
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative, Inc	Electric Distributor
Levitt, Andrew	PJM Interconnection, LLC	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Williams, Stanley	PJM Interconnection, LLC	Not Applicable

## Attendees via WebEx / Teleconference

Akundi, Pallavi	PCI	Not Applicable
Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Carrico, Bryan	PCI	Not Applicable
Cavan, Peter	Direct Energy Business Marketing, LLC	Not Applicable
Contreras, Melissa	Appalachian Power Company	Transmission Owner
DeCremer, Dave	WPPI Energy	Other Supplier
Dillon, Matthew	UGI Development Company	Generation Owner
Dixon, Chad	Customized Energy Solutions, Ltd.	Not Applicable
Durinsky, Mike	Allegheny Energy Supply Company, L.L.C.	Generation Owner
Ejebe, Gabriel	OATI	Not Applicable
Feller, John	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Flamm, Sean	PJM Interconnection, LLC	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Garcia, Max	Calpine Energy Services, L.P.	Generation Owner
Gondek, John	PSEG Energy Resources and Trade LLC	Transmission Owner
Grisolia, Albert	Public Service Electric & Gas Company	Transmission Owner
Hartman, Gary	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Hewett, Christopher	Virginia Electric & Power Company	Transmission Owner
Higgins, Sharon	Duke Energy Commercial Asset Management, Inc.	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Electric Distributor
Holter, Natasha	PJM Interconnection, LLC	Not Applicable
Horning, Lynn Marie	Customized Energy Solutions, Ltd.	Not Applicable
Horst, Cheryl	Baltimore Gas & Electric Company	Transmission Owner
Jadue, Omar	FirstEnergy Solutions Corp.	Transmission Owner
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kim, Jiyeon	Constellation Energy Commodities Group, Inc.	Other Supplier
Kingston, Amber	North Carolina Electric Membership Corporation	Electric Distributor
Kotras, Craig	Baltimore Gas and Electric Company	Transmission Owner
Krishnaraj, Morgini	Brookfield Energy Marketing LP	Other Supplier

Lejcar, Jamie  
Lovely, Christina  
Mabry, David  
Matuszak, Alex  
Molnar, Steve  
Myers, Teri  
Nguyen, Karen  
Nichols, Lloyd  
Ondayko, Brock  
Peoples, John  
Philips, Marjorie  
Plevin, Cherie  
Polka, Joseph  
Rayhorn ES, Carolyn  
Rieger, Laura  
Sasser, Jonathan  
Saxe, Barbara  
Saxena, Richa  
Sensenig, Jim  
Squibb, Bill  
Stroud, Elizabeth  
Sutcliffe, Cindy  
Tangirala, Subha  
Tedore, Diane  
Treadwell, Albert  
Verduin, Glenn  
Walter, Laura  
Werner, Christopher  
Whitehead, Jeff  
Williams, Stanley  
Wilson, Bram  
Wilson, Rob  
Wisersky, Megan

Author: Nicholas DiSciullo

Allegheny Electric Cooperative, Inc.  
Calpine Energy Services, L.P.  
McNees Wallace & Nurick LLC  
UGI Energy Services, LLC  
AEP Appalachian Transmission Company, Inc.  
American Electric Power Company, Inc  
Calpine Energy Services, L.P.  
Commonwealth Chesapeake Company, LLC  
Appalachain Power Company  
Duquesne Light Company  
Direct Energy Business, LLC  
Duke Energy Ohio, Inc.  
Duquesne Light Company  
Dominion Virginia Power  
ACES Energy  
Customized Energy Solutions, Ltd.\*  
Public Service Electric & Gas Company  
Noble Americas Energy Solutions LLC  
Pennsylvania Electric Company  
Ohio Valley Electric  
Pennsylvania Electric Company  
Tidal Energy Marketing Inc.  
ABB  
Commonwealth Edison Company  
Allegheny Electric Cooperative, Inc.  
PSEG Energy Resources and Trade LLC  
PJM Interconnection, LLC  
Appalachian Power Company  
GT Power Group  
PJM Interconnection, LLC  
Diamond State Generation Partners, LLC  
Illinois Municipal Electric Agency  
Madison Gas & Electric Co.

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