

Market Implementation Committee Special Session: Electric Storage Participation/FERC Order 841
PJM Conference and Training Center
June 27, 2018
1:00 p.m. – 4:00 p.m. EPT

Electric Storage Resource (ESR) = a resource capable of receiving electric energy from the grid and storing it for later injection of electric energy back to the grid.

Questions, concerns, feedback: ESR@pjm.com

Administration

- Ms. Chrissy Stotesbury, PJM, provided announcements and reviewed the PJM Meeting Guidelines.

[Issue Tracking: Electric Storage Participation - FERC Order 841](#)

Education

- Ms. Laura Walter, PJM, presented an updated working document of frequently asked questions.

A webinar featuring the compliance plans of NYISO, PJM, ISO-NE, and MISO is posted here:

<https://www.strategen.com/webinar-three/>

- Mr. Ray Fernandez, PJM, presented status quo on Balancing Operating Reserve credits.
- Dr. Howard Haas, Monitoring Analytics, presented an overview of the Market Monitor’s draft proposal.
- Mr. Scott Baker, PJM, provided an update on the Distributed Energy Resource Subcommittee work plan.

Working Discussion

- Stakeholder feedback on the matrix was requested and solution options were discussed.

Future Meeting Dates

August 3, 2018	1:00 p.m.	PJM Conference & Training Center/ WebEx
September 14, 2018	1:00 p.m.	PJM Conference & Training Center/ WebEx

Meeting Attendees

Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Abdur-Rahman, Muhsin	PJM Interconnection, LLC	Not Applicable
Abend, Erik	Erik Abend Consulting	Not Applicable
Achaab, Edward	AEP Energy Partners, Inc.	Other Supplier
Ahmad, Syed	The Federal Energy Regulatory Commission	Not Applicable
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Anderson, Jared	SPGlobal	Not Applicable
Bagot, Nancy	Electronic Systems Professional Alliance	Not Applicable
Baur, Sean	GlidePath Development LLC	Not Applicable
Bayless, Charles	North Carolina Electric Membership Corporation	Electric Distributor
Beattie, Jeff	CMS Energy Resource Management Company	Other Supplier

Benchek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Daniel	PJM Interconnection, LLC	Not Applicable
Berlinski, Mike	Customized Energy Solutions, Ltd.*	Not Applicable
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Brisley, Steven	Vertiv	Not Applicable
Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Cawley, Troy	PJM Interconnection, LLC	Not Applicable
Cham, Edrissa	Tradewind Energy, Inc.	Not Applicable
Chintapalli, Raj	Galt Power Inc.	Other Supplier
Chocarro Aguirrebenagoa, Iker	E.ON Climate & Renewables North America, Inc.	Generation Owner
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Croop, Danielle	PJM Interconnection, LLC	Not Applicable
Currier ES, Jeff	Dominion Virginia Power	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Davis, James	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Depillo, Raymond	PSEG Energy Resources and Trade LLC	Other Supplier
Deshmukh, Ankita	Constellation Energy Services, Inc.	Other Supplier
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Dixon, Chad	Viridity Energy, Inc.	Other Supplier
Dolan, James	PJM Interconnection, LLC	Not Applicable
Dolan, Ryan	American Municipal Power, Inc.	Electric Distributor
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Drakely, Nicole	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu, Nicolae	PJM Interconnection, LLC	Not Applicable
Endress, Eric	PJM Interconnection, LLC	Not Applicable
Feliks, Kent	Appalachian Power Company	Transmission Owner
Feller, John	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Fereshetian, Damon	PJM Interconnection, LLC	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fort, Jim	The Energy Authority	Other Supplier
Foster, Denise	PJM Interconnection, LLC	Not Applicable
Franks, Edmund	PJM Interconnection, LLC	Not Applicable
Fuhr, Gretchen	Commerce Energy, Inc.	Other Supplier
Fuller, Peter	NRG Power Marketing, LLC	Generation Owner
Gahimer, Michael	IN Office of Utility Consumer Counselor	End User Customer
Garbini, Marj	Potomac Electric Power Company	
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Genuario, Gabrielle	PJM Interconnection, LLC	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gledhill, Andrew	PJM Interconnection, LLC	Not Applicable
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier

Guerry, Katie	EnerNOC, Inc.	Other Supplier
Hall, Tim	Southern OPCO's: APC, GPC, GuPC, MPC, SPC - J&S	Not Applicable
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Market Interconnection LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hebert, Christopher	Beacon Power, LLC	Other Supplier
Heinle, Frederick	Office of the People's Counsel	End User Customer
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Herel, Suzanne	RTO Insider	Not Applicable
Hilderbrand, Rebecca	PJM Interconnection, LLC	Not Applicable
Hoatson, Tom	Riverside Generating, LLC	Other Supplier
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook, Ruth	Northern Virginia Electric Cooperative	Other Supplier
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Horger, Tim	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hudis, Gabriella	Jersey Green Energy LLC	Other Supplier
Hunter, Rebecca	Calpine Energy Solutions, LLC	Other Supplier
Huntoon, Stephen	NextEra Energy Power Marketing, LLC	Generation Owner
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Kaczanowski, Marek	Baltimore Gas and Electric Company	Transmission Owner
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel, David	PJM Interconnection, LLC	Not Applicable
Kinser, Cynthia	Tennessee Department of Agriculture	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Kuo, David	DC Energy LLC	Other Supplier
Laguardia, Alejandro	Covanta Energy Group, LLC	Generation Owner
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
LeBris Erffmeyer, Jacques	Illinois Citizens Utility Board	End User Customer
Libbos, Robin	FirstEnergy Solutions Corp.	Transmission Owner
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lin, Jiadong	DC Energy, LLC	Other Supplier
Liu, Eva	NRG Power Marketing LLC	Generation Owner
Long, Amanda	PJM Interconnection, LLC	Not Applicable
Long, Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Loose, Trevor	Energrid	Not Applicable
Lowe, Connie	Dominion Virginia Power	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Mack, Amanda	NextEra Energy Power Marketing, LLC	Generation Owner
Marcino, Angelo	PJM Interconnection, LLC	Not Applicable
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marton, David	FirstEnergy Solutions Corp.	Transmission Owner
Marzewski, Skyler	Monitoring Analytics, LLC	Not Applicable
Matheson, Doug	EnerNOC, Inc.	Other Supplier
McGill, Susan	PJM Interconnection, LLC	Not Applicable
McKissack, Chris	GlidePath Energy Solutions	Not Applicable
McMonagle, Matt	Dimension Energy Services	Not Applicable
meridionale, Kevin	Jersey Central Power & Light Company	Transmission Owner
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner

Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner
Morelli, Lisa	PJM Interconnection, LLC	Not Applicable
Nadel, Steven	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Nawaz, Zainab	NJ Board of Public Utilities	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Nyemko, Masha	PJM Interconnection, LLC	Not Applicable
O'Boyle, Brian	Rockland Electric Company	Transmission Owner
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
OHara, Christopher	PJM Interconnection, LLC	Not Applicable
Olaleye, Michael	PJM Interconnection, LLC	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
Pakula, Maggie	Invenergy, LLC	Generation Owner
Park, Jinny	PJM Interconnection, LLC	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Pelletier, Eveline	Hydro-Quebec	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Peterson, Jeff	Duke Energy Business Services LLC	Transmission Owner
Philips, Marjorie	Direct Energy Business, LLC	Other Supplier
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
Poulos, Greg	CAPS	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Prokop, Brenda	ITC Mid-Atlantic Development LLC	Other Supplier
Rajan, Abhijit	Dominion Resources	Not Applicable
Razze, Scott	Potomac Electric Power Company	Electric Distributor
Richardson, Frank	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Riley, Kent	Clean Line Energy Partners LLC	Not Applicable
Riopko, Eric	Exelon Generation Co., LLC	Generation Owner
Rismiller, Randy	Illinois Commerce Commission	Not Applicable
Ritchie, Sandra	PJM Interconnection, LLC	Not Applicable
Robinson, Maria	Advanced Energy Economy, Inc.	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rosenblatt, Alex	Duquesne Light Company	Transmission Owner
Rothey, Kristin	American Municipal Power, Inc.	Electric Distributor
Rutigliano, Tom	Achieving Equilibrium LLC	Other Supplier
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Schneider, Jonathan	FirstEnergy Solutions Corp.	Transmission Owner
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shoop, Patrick	Customized Energy Solutions, Ltd.*	Not Applicable
Shorin, Emily	The Brattle Group	Not Applicable
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Sims, Mark	PJM Interconnection, LLC	Not Applicable
Singer, Chad	Fellon McCord	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Starkov, Stefan	PJM Interconnection, LLC	Not Applicable
Stern, Alexander	Public Service Electric & Gas Company	Transmission Owner
Stewart, Travis	Gable and Associates	Not Applicable
Strella, Lauren	PJM Interconnection, LLC	Not Applicable
Stubbe, Judy	Duke Energy Ohio, Inc.	Transmission Owner
Suh, Jung	Calpine Energy Services, L.P.	Generation Owner
Sweeney, Rory	RTO Insider	Not Applicable
Talbot, Soria	NextEra Energy Power Marketing, LLC	Generation Owner
Tangirala, Subha	ABB	Not Applicable
Thompson, Matt	XO Energy MA, LP	Other Supplier

Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tsao, Stephanie	SPGlobal	Not Applicable
Tutino, Joseph	PJM Interconnection, LLC	Not Applicable
Velasco, Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Vu, John	NextEra Energy Marketing, LLC	Generation Owner
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Warshel, Kim	PJM Interconnection, LLC	Not Applicable
Watson, Betty	SolarCity	Not Applicable
Wehr, Christopher	Metropolitan Edison Company	Transmission Owner
Whitehead, Jeffrey	GT Power Group	Not Applicable
Wicks, Tonja	Duquesne Light Company	Transmission Owner
Wilhite, Chad	FirstEnergy Solutions Corp.	Transmission Owner
Wilkie, Brian	Rockland Electric Company	Transmission Owner
Williams, Amber	New York State Electric & Gas Corporation	Other Supplier
Wilson, Bram	Diamond State Generation Partners, LLC	Generation Owner
Withrow, David	Customized Energy Solutions, Ltd.*	Not Applicable
Xenopoulos, Damon	Brickfield, Burchette, Ritts & Stone, P.C.	Not Applicable
Yi, Weili	The Energy Authority, Inc.	Other Supplier
York, Amy	McNees Wallace & Nurick	Not Applicable
Zuretti, Bill	Electronic Systems Professional Alliance	Not Applicable

Author: Christina Stotesbury

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)
Visit learn.pjm.com, an easy-to-understand resource about the power industry and PJM's role.