

Market Implementation Committee Special Session: Quadrennial Review  
 PJM Conference and Training Center  
 June 22, 2018  
 1:00 p.m. – 4:00 p.m. EPT

## Administration

1. Ms. Christina Stotesbury, PJM, reviewed the PJM meeting guidelines and the Quadrennial Review work plan.

## Education

2. Dr. Joseph Bowring, Monitoring Analytics, and Mr. Raymond Pasteris, on behalf of Monitoring Analytics, presented recommendations on the Variable Resource Requirement (VRR) curve.
3. PJM requested feedback and questions associated with Brattle's posted data and the prepared response to the recommendations as requested by stakeholders.

## Matrix & Feedback

4. Mr. Gary Helm, PJM, led the discussion to receive stakeholder input on the matrix.
5. Stakeholders had the opportunity to ask questions and provide feedback.

## Future Meeting Dates

July 6, 2018	9:00 a.m. – 12:00 p.m.	PJM Conference & Training Center/ WebEx
July 27, 2018	9:00 a.m. – 4:00 p.m.	PJM Conference & Training Center/ WebEx

## Attendees

Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina (Secretary)	PJM Interconnection, LLC	Not Applicable
Abend, Erik	Erik Abend Consulting	Not Applicable
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anders, David	PJM Interconnection, LLC	Not Applicable
Azar, Abe	DB Energy Trading LLC	Other Supplier
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Beitel, Callias	Uncia energy	Other Supplier
Benckek, Jim	American Transmission Systems, Inc.	Transmission Owner
Bennett, Stephen	PJM Interconnection, LLC	Not Applicable
Berberich, Arthur	Dominion Energy Generation Marketing, Inc.	Generation Owner
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Bickerstaff, Dean	Hartree Partners	Other Supplier
Bodell, Tanya	Energyzt	Not Applicable
Bolan, Martin	FirstEnergy Solutions Corp.	Transmission Owner
Bowring, Joe	Monitoring Analytics, LLC	Not Applicable
Brady, Cynthia	Exelon Business Services Company, LLC	Transmission Owner

Britt, Debbie	North Carolina Electric Membership Corporation	Electric Distributor
Brodbeck, John	EDP Renewables North America, LLC	Other Supplier
Brown, Rich	PJM Interconnection, LLC	Not Applicable
Bruno, Joshua	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Burdis, Tim	PJM Interconnection, LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Carmean, Greg	OPSI	Not Applicable
Carrado, Regina	PECO Energy Company	Transmission Owner
Chintapalli, Raj	Galt Power Inc.	Other Supplier
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Currier ES, Jeff	Dominion Virginia Power	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Daou, Patrick	Sargent & Lundy	Not Applicable
Dasher, Brett	Energy Authority, Inc. (The)	Other Supplier
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Davis, Elizabeth	PJM Interconnection, LLC	Not Applicable
Davis, James	Dominion Energy Marketing, Inc.	Generation Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Dolan, Ryan	American Municipal Power, Inc.	Electric Distributor
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Dorko, Keri	Monitoring Analytics, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Dumitriu, Nicolae	PJM Interconnection, LLC	Not Applicable
Erfmeyer, Jack	Illinois Attorney General Office	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
Gahimer, Michael	IN Office of Utility Consumer Counselor	End User Customer
Gaston, Vilna	Public Service Electric & Gas Company	Transmission Owner
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gerlach, Kathryn	PSEG Energy Resources and Trade, LLC	Other Supplier
Giacomoni, Anthony	PJM Interconnection, LLC	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Greiner, Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Hanser, Erik	Michigan Public Service Commission	Not Applicable

Hastings, David	Market Interconnection LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hawkins, Peterson	Luminus Management, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel	End User Customer
Heisey, Bradley	Wolf Hills Energy, LLC	Generation Owner
Helm, Gary	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	Electric Distributor
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Horton, Dana	Appalachian Power Company	Transmission Owner
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
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Josyula, Siva	Monitoring Analytics, LLC	Not Applicable
Kalle, Ibrahima	Tibiri Energies	Not Applicable
Kauffman, Brian	EnerNOC, Inc.	Other Supplier
Keenan, Matthew	Jpower USA	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Keshavamurthy, Bhavana	PJM Interconnection, LLC	Not Applicable
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Kinser, Cynthia	Tennessee Department of Agriculture	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Kopinski, John	ITC Mid-Atlantic Development LLC	Other Supplier
Kuo, David	DC Energy LLC	Other Supplier
LeBris Erffmeyer, Jacques	Illinois Citizens Utility Board	End User Customer
Lee, Lori Murphy	PJM Interconnection, LLC	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Transmission Owner
Leopold, Chris	Appalachian Power Company	Transmission Owner
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lowe Connie	Dominion Virginia Power	Not Applicable
Lu, Chenchao	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick 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
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mok, Alan	Duke Energy Kentucky, Inc.	Transmission Owner

Monzon, Stephanie	PJM Interconnection, LLC	Not Applicable
Nawaz, Zainab	NJ Board of Public Utilities	Not Applicable
Newell, Sam	Brattle	Not Applicable
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
Oates, David Luke	Brattle	Not Applicable
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
OHara, Christopher	PJM Interconnection, LLC	Not Applicable
Ondayko, Brock	Appalachain Power Company	Transmission Owner
O'Neill, Jack	PJM Interconnection, LLC	Not Applicable
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyurbhai	PJM Interconnection, LLC	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Phillips, Marjorie	Direct Energy Business, LLC	Other Supplier
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Rajan ES, Abhijit	Dominion Resources	Not Applicable
Ramsey, James	Suffolk Fund LLC	Other Supplier
Ritchie, Sandra	PJM Interconnection, LLC	Not Applicable
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rothey, Kristin	American Municipal Power, Inc.	Electric Distributor
Rushing, Nathan	CPV Maryland, LLC	Generation Owner
Salaneck, Alexandra	Monitoring Analytics, LLC	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Schneider, Jonathan	FirstEnergy Solutions Corp.	Transmission Owner
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Shanker, Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shorin, Emily	The Brattle Group	Not Applicable
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Singer, Chad	Fellon McCord	Not Applicable
Slagel, Ronald	Other	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Stewart, Travis	Gable and Associates	Not Applicable
Stubbe, Judy	Duke Energy Ohio, Inc.	Transmission Owner
Sturgeon, John	Duke Energy Carolinas, LLC	Other Supplier
Sweeney, Rory	RTO Insider	Not Applicable
Tangirala, Subha	ABB	Not Applicable
Tibbetts, Maeve	Pierce Atwood	Not Applicable

Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Tsao, Stephanie	SPGlobal	Not Applicable
Tyler, Catherine	Monitoring Analytics	Not Applicable
Walter, Laura	PJM Interconnection, LLC	Not Applicable
Ward, Michael	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Wicks, Tonja	Duquesne Light Company	Transmission Owner
Wilkie, Brian	Rockland Electric Company	Transmission Owner
Williams, Amber	New York State Electric & Gas Corporation	Other Supplier
Williams, Stanley	PJM Interconnection, LLC	Not Applicable
Wilmoth ES, Emily	Dominion Virginia Power	Not Applicable
Wilson, James	Wilson Energy Economics	Not Applicable
Xenopoulos, Damon	Brickfield, Burchette, Ritts & Stone, P.C.	Not Applicable
Yang, Dan	Parma Energy LLC	Other Supplier
Yi, Weili	The Energy Authority, Inc.	Other Supplier

Author: Christina Stotesbury

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