

Special Session of the Market Implementation Committee: Quadrennial Review hosted by Brattle  
 PJM Conference & Training Center, Audubon, PA  
 April 25, 2018  
 9:00 p.m. – 12:00 p.m. EPT

## Administration (9:00-9:10)

1. Ms. Bhavana Keshavamurthy provided announcements and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines.
2. Mr. Gary Helm, PJM, reviewed the purpose of the meeting and introduced the speakers from The Brattle Group

## Discussion (9:10-12:00)

3. Mr. Samuel Newell, Mr. David Luke Oates and Mr. Michael J. Hagerty from The Brattle Group presented a summary of their reports related to the Quadrennial Review of VRR Curve Parameters.

[The Brattle Group: Cost of New Entry Combustion Turbines & Combined-Cycle Plants with June 1, 2022 Online Date](#)

[The Brattle Group: Fourth Review of Variable Resource Requirement Curve](#)

## Future Meeting Dates

June 1, 2018	9:00-12:00 p.m.	PJM Conference & Training Center/ WebEx
June 22, 2018	1:00-4:00 p.m.	PJM Conference & Training Center/ WebEx
July 6, 2018	9:00 a.m.–12:00 p.m.	PJM Conference & Training Center/ WebEx
July 27, 2018	1:00-4:00 p.m.	PJM Conference & Training Center/ WebEx

\*\* Additional time may be used at the monthly MIC meetings if needed.

## In-Person Attendees

Hendrzak, Chantal (Chair)	PJM Interconnection, LLC	Not Applicable
Keshavamurthy, Bhavana (Secretary)	PJM Interconnection, LLC	Not Applicable
Baker, Scott	PJM Interconnection, LLC	Not Applicable
Brown, Richard	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joseph	PJM Interconnection, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor



Guerry, Katie	EnerNOC, Inc.	Other Supplier
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kauffman, Brian	NRG Curtailment Solutions	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
Lu, Chen	PJM Interconnection, LLC	Not Applicable
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nix, Emma	PJM Interconnection, LLC	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable

## Web-Ex Attendees

Abdelhamid, Nadeen	North Carolina Electric Membership Corporation	Electric Distributor
Achaab, Ed	Appalachian Power Company	Transmission Owner
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anderson, Jared	SPG Global	Not Applicable
Azar, Abe	DB Energy Trading LLC	Other Supplier
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Benckek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Berberich, Arthur	Dominion Energy Generation Marketing, Inc.	Generation Owner
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Bickerstaff, Dean	Hartree Partners LLC	Other Supplier
Bruc,e Susan	McNees Wallace & Nurick LLC	Not Applicable
Campbell, Bruce	EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Carmean, Gregory	OPSI	Not Applicable
Chen, Jennifer	Natural Resources Defense Council	Not Applicable
Chintapalli, Raj	BP Energy	Other Supplier
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
DeLosa, Joseph	DE Public Service Commission	Not Applicable
Denby, Brett	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Dolan, James	PJM Interconnection, LLC	Not Applicable
Domian, Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Dorko, Keri	Monitoring Analytics	Not Applicable
Douglass, Robert	Exelon Generation Co., LLC	Generation Owner
Falin, Tom	PJM Interconnection, LLC	Not Applicable



Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fort, Jim	The Energy Authority	Other Supplier
Gahimer, Mike	IN Office of Utility Consumer Counselor	End User Customer
Gebolys, Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gerlach, Kate	PSEG	Transmission Owner
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hauske, Tom	PJM Interconnection, LLC	Not Applicable
Heisey, Bradley	Tenaska Power Services	Generation Owner
Henry, M	FirstEnergy Solutions Corp.	Transmission Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Hyatt, John	Monitoring Analytics	Not Applicable
Hyzinski, Tom	GT Power Group	Not Applicable
Iyer, Shrikant	Exelon Generation Co., LLC	Generation Owner
Janicki, Diane	Boston Energy Trading & Marketing, LLC	Generation Owner
Jha, Monica	PCI	Not Applicable
Kalle , Ibrahima	Tibiri Energies	Not Applicable
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen, Kevin	Avangrid Renewables LLC	Generation Owner
Laguardia, Alex	Covanta Energy Group, LLC	Generation Owner
Lednev, Constantine	Kindle Energy	Not Applicable
Lei, Rachel	Kindle Energy	Not Applicable
Leopold, Chris	Appalachian Power Company	Transmission Owner
	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Liang-Nicol, Cecilia	FirstEnergy Solutions Corp.	Transmission Owner
Libbos, Robin	Dominion Virginia Power	Not Applicable
LOWE, CONNIE	PJM Interconnection, LLC	Not Applicable
Lu, Chen	Office of the Peoples Counsel for the District of Columbia	End User Customer
Mariam, Yohannes	FirstEnergy Solutions Corp.	Transmission Owner
Markiewicz, Cindy	FirstEnergy Solutions Corp.	Transmission Owner
Marton, David	FirstEnergy Solutions Corp.	Transmission Owner
Marton, David	North Carolina Electric Membership Corporation	Electric Distributor
Nanavati, Shaina	Appalachain Power Company	Transmission Owner
Ondayko, Brock	DTE Energy Trading, Inc.	Other Supplier
Pakela, Greg	PJM Interconnection, LLC	Not Applicable
patel, keyur	Hydro-Quebec	Not Applicable
Pelletier, Eveline	Duquesne Light Company	Transmission Owner
Peoples, John	Direct Energy	Other Supploer
philips, marji	PJM Interconnection, LLC	Not Applicable
Pilong, Melissa		

Poulos, Greg	CAPS	Not Applicable
Price, Ruth	Division of the Public Advocate of the State of Delaware	Not Applicable
Ramsey, James	Suffolk Fund LLC	Other Supplier
Rohrbach, John	ACES Power Marketing	Not Applicable
Rushing, Nathan	CPV Holdings	Generation Owner
Salaneck, Alexandra	Monitoring Analytics	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schneider, Jon	FirstEnergy Solutions Corp.	Transmission Owner
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Sherwood, Julie	Appalachian Power Company	Not Applicable
Sillin, John	The Federal Energy Regulatory Commission Kleinman Center for Energy Policy at University of Pennsylvania	Not Applicable
Simeone, Christina	PJM Interconnection, LLC	Not Applicable
Souder, Michelle	Duke Energy Carolinas, LLC	Other Supplier
Sturgeon, John	RTO Insider	Not Applicable
Sweeney, Rory	Pierce Atwood	Not Applicable
Tibbetts, Maeve	SPGlobal	Not Applicable
Tsao, Stephanie	Tenaska Power Services Co.	Generation Owner
VanderHelm, Kyle	PJM Interconnection, LLC	Not Applicable
Ward, Michael	FirstEnergy Solutions Corp.	Transmission Owner
Wilhite, Chad	Consolidated Edison Solutions	Other Supplier
Wilkie, Brian	Wilson Energy Economics	Not Applicable
Wilson, James	Madison Gas & Energy Company	Other Supplier
Wisersky, Megan	Old Dominion Electric Cooperative	Electric Distributor
Wright, James	Sargent & Lundy	Not Applicable
Wroble, John	Calpine Energy Services, L.P.	Generation Owner
Yu, Haibin	PSEG	Transmission Owner
Zanelli, Sharon	PSEG	Transmission Owner
Zhou, Ming		