

Markets and Reliability Committee
PJM Conference and Training Center, Audubon, PA
July 15, 2015
1:00 a.m. – 4:00 p.m. EPT

Administration (1:00-1:05)

Welcome, announcements and Anti-trust and Code of Conduct announcement – Mr. Dave Anders

Endorsements/Approvals (1:05-1:45)

1. Capacity Performance – Credit Requirements (1:05-1:45)

Ms. Laura Walter discussed proposed revisions to Manual 18: PJM Capacity Market section 4.8: Credit Requirements. Following discussion, the committee **endorsed** the proposed Manual 18, section 4.8 revisions by acclamation with 0 objections and 19 abstentions.

First Readings (1:45-3:55)

2. Capacity Performance – Manual 18 Revisions (1:45-3:15)

Ms. Terri Esterly discussed proposed revisions to the remaining sections of Manual 18: PJM Capacity Market related to Capacity Performance. The committee will be asked to endorse these proposed revisions at its next meeting.

3. Capacity Performance – Manual 20 Revisions (3:15-3:55)

Mr. Tom Falin discussed proposed revisions to Manual 20: PJM Resource Adequacy Analysis related to the determination of Limited-Availability Resource Constraints under Capacity Performance. The committee will be asked to endorse these proposed revisions at its next meeting.

Future Agenda Items (3:55)

No new future agenda items were identified.

Future Meeting Dates

July 23, 2015	9:00 a.m.	Wilmington, DE
August 27, 2015	9:00 a.m.	Wilmington, DE
October 1, 2015	9:00 a.m.	PJM Conference & Training Center, Audubon, PA
October 22, 2015	9:00 a.m.	Wilmington, DE
November 19, 2015	9:00 a.m.	Wilmington, DE
December 17, 2015	9:00 a.m.	Wilmington, DE

In Attendance (Chair/Secretary):

Anders, Dave	PJM Interconnection, LLC	Not Applicable
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In Attendance (Voting Participants):

Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bruce, Susan	Rep.'g Praxair, Inc.	End User Customer
Bruce, Susan	Rep.'g Lehigh Portland Cement Company	End User Customer
Bruce, Susan	Rep.'g Air Liquide Industrial U.S., LP	End User Customer
Bruce, Susan	Rep.'g Kimberly-Clark Corporation	Generation Owner
Bruce, Susan	Rep.'g Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce, Susan	Rep.'g Procter & Gamble Paper Products Company (The)	End User Customer
Bruce, Susan	Rep.'g MeadWestvaco Corporation	End User Customer
Bruce, Susan	Rep.'g Wellsboro Electric Company (pre-2008)	Electric Distributor
Bruce, Susan	Rep.'g Trustees of the U of PA, dba University of Pennsylvania	End User Customer
Bruce, Susan	Rep.'g Industrial Energy Users-Ohio	Other Supplier
Bruce, Susan	Rep.'g Linde LLC	End User Customer
Bruce, Susan	Rep.'g Letterkenny Industrial Development Authority	Electric Distributor
Bruce, Susan	Rep.'g Air Products & Chemicals, Inc.	End User Customer
Campbell, Bruce	Rep.'g Mid-Atlantic Power Partners	Other Supplier
Campbell, Bruce	Rep.'g EnergyConnect, Inc.	Other Supplier
Canter, David	Appalachian Power Company (AEP Generation)	Transmission Owner
Citrolo, John	Public Service Electric & Gas Company	Transmission Owner
Cox, Jason	Dynegy Marketing & Trade, LLC	Generation Owner
Ellison, Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Horstmann, John	Dayton Power and Light Company (The)	Transmission Owner
Johnson, Carl	Rep.'g WPPI Energy	Other Supplier
Johnson, Carl	Rep.'g North Carolina Municipal Power Agency # 1	Other Supplier
Johnson, Carl	Rep.'g Madison Gas & Electric Company	Other Supplier
Johnson, Carl	Rep.'g Energy Cooperative Association of PA	Other Supplier
Johnson, Carl	Rep.'g Williamsport, MD (Town of)	Electric Distributor
Johnson, Carl	Rep.'g Thurmont Municipal Light Company	Electric Distributor
Johnson, Carl	Rep.'g Mont Alto, PA (Borough of)	Electric Distributor
Johnson, Carl	Rep.'g Hagerstown Light Department	Electric Distributor
Johnson, Carl	Rep.'g Illinois Municipal Electric Agency	Electric Distributor
Johnson, Carl	Rep.'g Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson, Carl	Rep.'g American Municipal Power, Inc.	Electric Distributor
Johnson, Carl	Rep.'g Indiana Municipal Power Agency	Generation Owner
Johnson, Carl	Rep.'g North Carolina Electric Membership Corporation	Electric Distributor

Johnson, Carl	Rep.'g Easton Utilities Commission	Electric Distributor
Johnson, Carl	Rep.'g City of Dover, Delaware	Electric Distributor
Johnson, Carl	Rep.'g Delaware Municipal Electric Corporation	Electric Distributor
Johnson, Carl	Rep.'g Borough of Chambersburg (DTEET)	Electric Distributor
Johnson, Carl	Rep.'g Central Virginia Electric Cooperative	Electric Distributor
Johnson, Carl	Rep.'g Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson, Carl	Rep.'g Galt Power Inc.	Other Supplier
Johnson, Carl	Rep.'g Allegheny Electric Cooperative, Inc.	Electric Distributor
Johnson, Carl	Rep.'g Buckeye Power, Inc.	Electric Distributor
Jablonski, James	Vineland Municipal Electric Utility	Electric Distributor
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Lacy, Catharine	Virginia Electric & Power Company	Transmission Owner
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Long, Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Norton, Chris	American Municipal Power	Electric Distributor
Peoples, John	Duquesne Light Company	Transmission Owner
Philips, Marji	Direct Energy Business, LLC	Other Supplier
Riding, MQ	Essential Power Rock Springs, LLC	Transmission Owner
Rohrbach, John	Southern Maryland Electric Cooperative	Electric Distributor
Rushing, Nathan	CPV Maryland, LLC	Generation Owner
Scarp, David	Calpine Energy Services, L.P.	Generation Owner
Scoglietti, Barbara	Tangent Energy Solutions	Other Supplier
Yu, Joel	Rockland Electric Company	Transmission Owner

In Attendance (Non-Voting Participants):

Banks, Carla	Rockland Capital	Not Applicable
Baran, Eric	Allegheny Electric Cooperative, Inc.	Electric Distributor
Beach, Jonathan	Rockland Capital	Not Applicable
Beltes, Alex	NorthBridge Group	Not Applicable
Berger, Ken	Dominion Virginia Power	Not Applicable
Bickerstaff, Dean	Panda Power Funds	Generation Owner
Borgatti, Michael	Gabel Associates	Not Applicable
Bowring, Joseph	Monitoring Analytics, LLC	Not Applicable
Brodbeck, John	Potomac Electric Power Company	Electric Distributor
Buehre, Jenna	Alternative Utility Services, Inc.	Other Supplier
Cao, Stella	Guggenheim Securities	Not Applicable
Carmean, Gregory	OPSI	Not Applicable
Caylor, Ryan	Tudor, Pickering, Holt & Co.	Not Applicable
Chocarro, Iker	E.on Climate & Renewables North America, Inc.	Generation Owner

Conroy, Kelly	Jack Rich, Inc.	Other Supplier
Curran, Daniel	NRG Power Marketing, L.L.C.	Generation Owner
Currier, Jeffrey	Virginia Electric & Power Company	Transmission Owner
Czigler, Frank	PSEG	Transmission Owner
DeGeeter, Ralph	Public Service Commission of Maryland	Not Applicable
Diamant, Martin	PSEG	Transmission Owner
Dinicola, Laura	FirstEnergy Solutions Corporation	Transmission Owner
Ditrolo, John	PSEG	Transmission Owner
Esposito, Pati	Energy Cooperative Association of PA	Other Supplier
Farber, John	Delaware Public Service Commission	Not Applicable
Fazio, Danielle	BTG Pactual Commodities US LLC	Other Supplier
Fee, George	Public Service Electric & Gas Company	Transmission Owner
Feierabend, Rick	Dominion Virginia Power	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing, L.L.C.	Generation Owner
Fort, Jim	Energy Authority, Inc. (The)	Other Supplier
Frost, Jodi	Moxie Freedom LLC	Other Supplier
Garnett, Bryan	Duke American Transmission Company	Not Applicable
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gordon, Jon	Shiple Choice, LLC	Other Supplier
Gouda, John	Old Dominion Electric Cooperative	Electric Distributor
Grant, Edie	Old Dominion Electric Cooperative	Electric Distributor
Griffiths, Dan	Consumer Advocates	Not Applicable
Hagaman, Derek	GT Power Group	Not Applicable
Hall, Walter	Maryland Public Service Commission	Not Applicable
Hart, Joy	North Carolina Electric Membership Corporation	Electric Distributor
Herel, Suzanne	RTO Insider	Not Applicable
Hitch, George	Dominion Virginia Power	Not Applicable
Hodskins, Jessica	Duke Energy Business Services LLC	Transmission Owner
Holmes, Chris	Alstom Grid	Not Applicable
Hopkins, Sandra	Dominion Virginia Power	Not Applicable
Hosterman, Adam	Shiple Choice, LLC	Other Supplier
Huntoon, Stephen	H-P Energy Resources LLC	Other Supplier
Janicki, Diane	Boston Energy Trading and Marketing LLC	Generation Owner
Jardot, Gina	Essential Power, LLC	Generation Owner
Jett, William	Duke Energy Business Services, Inc.	Generation Owner
Johnson, Nick	Tenaska Power Services Co.	Generation Owner
Kaczanowski, Marek	Baltimore Gas and Electric Company	Transmission Owner
Kilgallen, Keven	Emerald Energy Consulting, LLC	Not Applicable
Klink, Troy	FirstEnergy Solutions Corporation	Transmission Owner

Kopon, Owen	Steel Producers	Not Applicable
Kouam, Cedric	EDP Renewables North America, LLC	Other Supplier
Krauss, Robert	Public Service Electric & Gas Company	Transmission Owner
Kueker, Daniel	J-Power USA	Not Applicable
Lacy, Catharine	Dominion Resources	Not Applicable
Levine, Jeffrey	GDF Suez Energy Marketing NA, Inc.	Other Supplier
Liang-Nicol, Cecilia	FirstEnergy Solutions Corporation	Transmission Owner
Lowe, Connie	Dominion Virginia Power	Not Applicable
Ma, Alex	Invenergy LLC	Generation Owner
Mancuso, Melanie	FirstEnergy Solutions Corporation	Transmission Owner
Mariam, Yohannes	Office of the Peoples Counsel for the District of Columbia	Not Applicable
Markiewicz, Cindy	FirstEnergy Solutions Corporation	Transmission Owner
Marquis, Greg	Potomac Electric Power Company	Electric Distributor
Martin, Aaron	CMS Energy Resource Management Company	Other Supplier
Marton, Dave	FirstEnergy Solutions Corporation	Transmission Owner
Masters, Dhiren	TPH	Not Applicable
Matheson, Eric	Pennsylvania Public Utility Commission	Not Applicable
McAlister, Lisa	American Municipal Power, Inc.	Generation Owner
McGuirk, Brian	Direct Energy Business, LLC	Other Supplier
McLaughlin, Daniel	Covanta Energy Group, Inc.	Generation Owner
Meier, Mariko	EnerNOC, Inc.	Other Supplier
Miller, John	Commonwealth Edison Company	Transmission Owner
Moerner, Lisa	Virginia Electric & Power Company	Transmission Owner
Nguyen, John	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Nicolay, Christi	Macquarie Energy LLC	Other Supplier
Noelle, Tom	NTE Ohio, LLC	Other Supplier
Nowell, Cynthia	Pepco Holdings Incorporated	Not Applicable
O'Connell, Robert	Main Line Electricity Market Consultants	Not Applicable
O'Connor, Siobhan	The Energy Authority	Other Supplier
Ondayko, Brock	AEP	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
Patterson, Paul	Glenrock Associates	Not Applicable
Peck, Melanie	Dominion Virginia Power	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Perrotti, Frank	New Jersey Board of Public Utilities	Not Applicable
Philips, Jack	Direct Energy Business, LLC	Other Supplier
Picardi, Matthew	Shell Energy North America (US), L.P.	Other Supplier
Pratzon, David	GT Power Group	Not Applicable
Robins, Pip	EMC Development Company, Inc.	Other Supplier
Rugh, Chris	EverPower Wind Holdings, Inc.	Generation Owner

Rutigliano, Tom	EMC Development Company, Inc.	Other Supplier
Sasser, Jonathan	Customized Energy Solutions	Not Applicable
Saxe, Barbara	Public Service Electric & Gas Company	Transmission Owner
Scherer, Paul	Commonwealth Edison Company	Transmission Owner
Schneider, Jonathan	FirstEnergy Solutions Corporation	Transmission Owner
Schott, Gretchen	Valor Ridge 3	Not Applicable
Schum, Alice	Illinois Municipal Electric Agency	Electric Distributor
Seelaus, Tim	EMC Development Company, Inc.	Other Supplier
Seier, Scott	Tenaska Power Services Co.	Generation Owner
Shah, Nimesh	IPKeys Power Partners, LLC	Other Supplier
Shanker, Roy	Hydro Quebec	Not Applicable
Singh, Harry	J. Aron & Company	Other Supplier
Stadmeyer, Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Stewart, Travis	Gabel Associates	Not Applicable
Tatum, Ed	Old Dominion Electric Cooperative	Electric Distributor
Venette, Fred	PBF Power Marketing LLC	Generation Owner
Vo, Kevin	Tudor, Pickering, Holt & Co.	Not Applicable
Vogel, Anne	American Electric Power	Transmission Owner
Wehr, Christopher	FirstEnergy Solutions Corporation	Transmission Owner
Wilhite, Chad	FirstEnergy Solutions Corporation	Transmission Owner
Wilmoth, Emily	Dominion Virginia Power	Not Applicable
Yu, Haibin	Calpine Energy Services, L.P.	Generation Owner

In Attendance (PJM Participants):

Bell, Jerry	PJM Interconnection, LLC	Not Applicable
Bhavaraju, Murty	PJM Interconnection, LLC	Not Applicable
Boyle, Glen	PJM Interconnection, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Bruno, Patrick	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Cummings, Bridgid	PJM Interconnection, LLC	Not Applicable
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Dolan, James	PJM Interconnection, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Esterly, Teri	PJM Interconnection, LLC	Not Applicable
Gledhill, Andrew	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Helm, Gary	PJM Interconnection, LLC	Not Applicable
Holland, Risa	PJM Interconnection, LLC	Not Applicable
Manion, Evelyn	PJM Interconnection, LLC	Not Applicable



Minutes

McLavery, Megan	PJM Interconnection, LLC	Not Applicable
Niemeyer, Jay	PJM Interconnection, LLC	Not Applicable
Quevada, Jason	PJM Interconnection, LLC	Not Applicable
Scheideler, Paul	PJM Interconnection, LLC	Not Applicable
Sechrist, Erin	PJM Interconnection, LLC	Not Applicable
Slusser, Jeff	PJM Interconnection, LLC	Not Applicable
Snyder, Sue	PJM Interconnection, LLC	Not Applicable
Souder, Michelle	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina	PJM Interconnection, LLC	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Ward, Mike	PJM Interconnection, LLC	Not Applicable

Author: D. A. Anders