

Markets and Reliability Committee
The Chase Center on the Riverfront, Wilmington, DE
November 19, 2015
9:00 a.m. – 12:30 p.m. EPT

Administration (9:00-9:05)

Mr. Kormos welcomed stakeholders to the meeting and Mr. Anders provided the Anti-trust and Code of Conduct announcements.

Endorsements/Approvals (9:05-10:40)

1. Draft Minutes (9:05-9:10)

Minutes of the October 22, 2015 and November 6, 2015 meetings of the Markets and Reliability Committee (MRC) meeting were **approved** by acclamation with no objections or abstentions.

2. PJM Manuals (9:10-9:40)

- A. Mr. Ryan Nice will discuss proposed revisions to Manual 01: Control Center and Data Exchange Requirements regarding interpersonal communication requirements for NERC COM-001-2.
- B. Ms. Nicole Scott will discuss proposed revisions to Manual 03: Transmission Operations regarding the bi-annual review to update operating procedures.
- C. Ms. Chidiogo Ike-Egbuonu will discuss proposed clarifying revisions to Manual 12: Balancing Operations.
- D. Mr. Eric Hsia and Mr. Chris Piong will discuss proposed Manual 13: Emergency Operations revisions regarding updates to Day Ahead Scheduling Reserve and additional updates.
- E. Mr. McGlynn will discuss proposed revisions to Manual 14B: PJM Regional Transmission Planning Process regarding the considering Energy Market Uplift in the development of candidate RTEP projects.
- F. Mr. Michael Herman will present proposed revisions to Manual 14B: PJM Regional Transmission Planning Process regarding NERC TPL-001-4 standards.

Following discussion, the proposed revisions in items 2.A through 2.D and 2.F were **endorsed** by acclamation with no objections or abstentions. Item 2.E was **endorsed** by acclamation with no objections and one abstention.

3. Load Forecast Update (9:40-10:10)

- A. Mr. Tom Falin reviewed proposed revisions to Manual 19: Load Forecasting and Analysis regarding updates to the PJM load forecast model. Following discussion the proposed revisions were **endorsed** by acclamation with no objections and three abstentions.
- B. Mr. Jeff Bastian reviewed proposed revisions to Manual 18: PJM Capacity Market and Manual 18B: Energy Efficiency Measurement & Verification to accommodate EE Resources in the PJM Capacity

Market when EE is reflected in the Peak Load Forecast. Following discussion, action on the proposed revisions was deferred until the committee's next regular meeting to allow additional discussion at another special meeting of the MRC.

4. Governing Documents Enhancement & Clarification Subcommittee (GDECS) (10:10-10:25)

Ms. Janell Fabiano presented proposed revisions to Tariff and Operating Agreement definitions presented to the GDECS. Following discussion the proposed revisions were **endorsed** by acclamation with no objections or abstentions.

XX. Underperformance Risk Management in RPM/CP (10:25-10:40)

Mr. Bob O'Connell, on behalf of PPGI Fund A/B Development, LLC, discussed a proposed Problem Statement related to Underperformance Risk Management in RPM/CP. Following discussion Mr. O'Connell requested that voting on the proposed Problem Statement be deferred until the committee's next meeting, and there were no objections to doing so.

First Readings (10:40-12:05)

5. Demand Response Non-Summer Capacity Compliance Clarification (10:40-10:55)

Mr. Pete Langbein reviewed draft Tariff and manual revisions to clarify the CBL process for new Capacity Performance non-summer capacity compliance for Demand Response. The committee will be asked to endorse these proposed revisions at its next meeting.

6. Virtual Transactions (10:55-11:10)

Mr. Adam Keech presented a proposed problem statement and issue charge regarding nodes at which virtual transactions may be made. The Committee will be asked to approve the problem statement and issue charge at its next meeting.

7. Distributed Battery Storage in PJM Markets (11:10-11:25)

Mr. Drew Adams, A.F. Mensah, Inc., presented a problem statement regarding Distributed Battery Storage in PJM Markets. The Committee will be asked to approve the problem statement at a future meeting.

8. Stakeholder Groups Sunset (11:25-11:45)

- A. Mr. Anders discussed proposed sunseting of the Cost Development Subcommittee (CDS). Stakeholders expressed their wide desire to retain the subcommittee, and therefore the proposal to sunset the CDS will not be brought for a vote at the committee's next meeting.
- B. Ms. Ford discussed proposed sunseting of the Gas/Electric Senior Task Force (GESTF). Following discussion there was no objection to **sunsetting** the GESTF at this time.

9. PJM Manuals (11:45-12:10)

- A. Mr. Schweizer reviewed proposed revisions to Manual 10: Pre-Scheduling Operations regarding generator outage reporting. The Committee will be asked to endorse these proposed revisions at its next meeting.
- B. Mr. Tong Zhao reviewed conforming changes to Manual 11: Energy & Ancillary Services Market due to the implementation of Capacity Performance. The Committee will be asked to endorse these proposed revisions at its next meeting.
- C. Mr. Jeff Schmitt presented proposed revisions to Manual 11: Energy & Ancillary Services Market related to the previously endorsed revisions to the Energy Market Offer Cap. The Committee will be asked to endorse these proposed revisions at its next meeting.
- D. Mr. Schweizer presented proposed revisions to Manual 14D: Generator Operational Requirements to expand the communication model to include Joint Operating resources, and annual review updates including updates to reactive testing requirements. The Committee will be asked to endorse these proposed revisions at its next meeting.
- E. Mr. Schweizer reviewed proposed revisions to Manual 39: Nuclear Plant Interface Coordination generated by its periodic review. The Committee will be asked to endorse these proposed revisions at its next meeting.

Informational Items (12:10-12:30)

10. TLC ComEd Reactive Interface (12:10-12:20)

Mr. Liem Hoang reviewed changes to the TLC ComEd Reactive Interface definition effective 3/1/2016.

11. Special Protection System Changes (12:20-12:30)

Mr. Alan Engelmann, ComEd, discussed changes to the Byron, Powerton, and Northbrook Special Protection Systems as part of the Grand Prairie Gateway project.

Future Agenda Items (12:30)

No new future agenda items were identified.

Future Meeting Dates

December 17, 2015	9:00 a.m.	Wilmington, DE
January 28, 2016	9:00 a.m.	Wilmington, DE
February 25, 2016	9:00 a.m.	Wilmington, DE
March 31, 2016	9:00 a.m.	Wilmington, DE
April 28, 2016	9:00 a.m.	Wilmington, DE
May 26, 2016	9:00 a.m.	Wilmington, DE
June 30, 2016	9:00 a.m.	Wilmington, DE
July 28, 2016	9:00 a.m.	Wilmington, DE
August 25, 2016	9:00 a.m.	Wilmington, DE
September 29, 2016	9:00 a.m.	Wilmington, DE
October 27, 2016	9:00 a.m.	Wilmington, DE

November 17, 2016
December 22, 2016

9:00 a.m.
9:00 a.m.

Wilmington, DE
Wilmington, DE

In Attendance (Chair/Secretary):

Kormos, Michael	PJM Interconnection, LLC	Not Applicable
Anders, Dave	PJM Interconnection, LLC	Not Applicable

In Attendance (Voting Participants):

Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Benckek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bleiweis, Bruce	DC Energy LLC	Other Supplier
Borgatti, Michael	Rep'g Covanta Energy Group, Inc.	Generation Owner
Borgatti, Michael	Rep'g RC Cape May Holdings, LLC	Generation Owner
Borgatti, Michael	Rep'g Northampton Generating Company L.P.	Generation Owner
Borgatti, Michael	Rep'g NextEra Energy Power Marketing, LLC	Generation Owner
Borgatti, Michael	Rep'g Jersey Green Energy LLC	Other Supplier
Borgatti, Michael	Rep'g York County Solid Waste and Refuse Authority	Generation Owner
Bruce, Susan	Rep'g Wellsboro Electric Company (pre-2008)	Electric Distributor
Bruce, Susan	Rep'g MeadWestvaco Corporation	End User Customer
Bruce, Susan	Rep'g Industrial Energy Users-Ohio	Other Supplier
Bruce, Susan	Rep'g Kimberly-Clark Corporation	Generation Owner
Bruce, Susan	Rep'g Trustees of the U of PA, dba University of Pennsylvania	End User Customer
Bruce, Susan	Rep'g Procter & Gamble Paper Products Company (The)	End User Customer
Bruce, Susan	Rep'g Letterkenny Industrial Development Authority	Electric Distributor
Bruce, Susan	Rep'g Linde LLC	End User Customer
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 Air Products & Chemicals, Inc.	End User Customer
Bruce, Susan	Rep'g Gerdau Ameristeel Energy, Inc.	Other Supplier
Campbell, Bruce	Rep'g Mid-Atlantic Power Partners	Other Supplier
Campbell, Bruce	Rep'g EnergyConnect, Inc.	Other Supplier
Cox, Jason	Dynegy Marketing & Trade, LLC	Generation Owner
Czigler, Frank	Public Service Electric & Gas Company	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ellison, Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Evrard, David	Pennsylvania Office of Consumer Advocate	End User Customer

Fitch, Neal	NRG Power Marketing LLC	Generation Owner
Foladare, Kenneth	IMG Midstream LLC	Generation Owner
Fondacci, Luis	North Carolina Electric Membership Corporation	Electric Distributor
Fuess, Jay	Rep'g Church Hill Solar Farm, LLC	Generation Owner
Fuess, Jay	Rep'g Kuehne Chemical Company, Inc.	Other Supplier
Fuess, Jay	Rep'g Ictec.com, Inc.	Other Supplier
Fuess, Jay	Rep'g Energy Consulting Services LLC	Other Supplier
Fuess, Jay	Rep'g PBF Power Marketing LLC	Generation Owner
Fuess, Jay	Rep'g Diamond State Generation Partners, LLC	Generation Owner
Garnett, Bryan	Duke Energy Business Services LLC	Transmission Owner
Godson, Gloria	Potomac Electric Power Company	Electric Distributor
Griffiths, Dan	Rep'g Indiana Office of Utility Consumer Counsel	End User Customer
Griffiths, Dan	Rep'g Office of the Ohio Consumers' Counsel	End User Customer
Griffiths, Dan	Rep'g Division of the Public Advocate of State of Delaware	End User Customer
Griffiths, Dan	Rep'g Illinois Citizens Utility Board	End User Customer
Griffiths, Dan	Rep'g West Virginia Consumer Advocate Division	End User Customer
Griffiths, Dan	Rep'g Pennsylvania Office of Consumer Advocate	End User Customer
Griffiths, Dan	Rep'g New Jersey Div. of the Ratepayer Advocate	End User Customer
Griffiths, Dan	Rep'g Office of the Attorney General, Kentucky	End User Customer
Griffiths, Dan	Rep'g Ofc... People's Counsel ... District of Columbia	End User Customer
Griffiths, Dan	Rep'g Maryland Office of Peoples Counsel	End User Customer
Guerry, Katie	EnerNOC, Inc.	Other Supplier
Hastings, David	Rep'g Saracen Energy East LP	Other Supplier
Hastings, David	Rep'g Tenaska Power Services Co.	Generation Owner
Hastings, David	Rep'g Twin Cities Power, LLC	Other Supplier
Hastings, David	Rep'g SESCO Enterprises LLC	Other Supplier
Hastings, David	Rep'g Solios Power Mid-Atlantic Trading LLC	Other Supplier
Hastings, David	Rep'g Northstar Trading Ltd.	Other Supplier
Hastings, David	Rep'g Town Square Energy East, LLC	Other Supplier
Hastings, David	Rep'g Mercuria Energy America, Inc.	Other Supplier
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Horstmann, John	Dayton Power and Light Company (The)	Transmission Owner
Horton, Dana	Appalachian Power Company (AEP Generation)	Transmission Owner
Hurwich, Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Jablonski, James	Rep'g Borough of South River, New Jersey	Electric Distributor
Jablonski, James	Rep'g Vineland Municipal Electric Utility	Electric Distributor
Jablonski, James	Rep'g Borough of Madison, New Jersey	Electric Distributor

Jablonski, James	Rep'g Borough of Butler, Butler Electric Division	Electric Distributor
Jablonski, James	Rep'g Borough of Milltown	Electric Distributor
Jablonski, James	Rep'g Borough of Pemberton	Electric Distributor
Jablonski, James	Rep'g Borough of Lavallette, New Jersey	Electric Distributor
Jablonski, James	Rep'g Borough of Seaside Heights, New Jersey	Electric Distributor
Jablonski, James	Rep'g Borough of Park Ridge, New Jersey	Electric Distributor
Jardot, Gina	Essential Power Rock Springs, LLC	Transmission Owner
Johnson, Carl	Rep'g American Municipal Power, Inc.	Electric Distributor
Johnson, Carl	Rep'g Indiana Municipal Power Agency	Generation Owner
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 Old Dominion Electric Cooperative	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 Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson, Carl	Rep'g Illinois Municipal Electric Agency	Electric Distributor
Johnson, Carl	Rep'g Hagerstown Light Department	Electric Distributor
Johnson, Carl	Rep'g Mont Alto, PA (Borough of)	Electric Distributor
Johnson, Carl	Rep'g Williamsport, MD (Town of)	Electric Distributor
Johnson, Carl	Rep'g Energy Cooperative Association of PA	Other Supplier
Johnson, Carl	Rep'g Madison Gas & Electric Company	Other Supplier
Johnson, Carl	Rep'g North Carolina Municipal Power Agency # 1	Other Supplier
Johnson, Carl	Rep'g WPPI Energy	Other Supplier
Johnson, Carl	Rep'g Buckeye Power, Inc.	Electric Distributor
Johnson, Carl	Rep'g Thurmont Municipal Light Company	Electric Distributor
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Levine, Jeffrey	GDF SUEZ Energy Marketing NA, Inc.	Other Supplier
Lieberman, Steven	Old Dominion Electric Cooperative	Electric Distributor
Logsdon, Josh	Exion Energy, Inc.	Other Supplier
Long, Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Martin, Aaron	CMS Energy Resource Management Company	Other Supplier
Melnyk, Markian	Atlantic Grid Operations A, LLC	Other Supplier

Merola, Becky	Noble Americas Gas & Power Corp.	Other Supplier
Moerner, Lisa	Virginia Electric & Power Company	Transmission Owner
Norton, Chris	American Municipal Power, Inc.	Electric Distributor
O'Connell, Robert	PPGI Fund A/B Development, LLC	Generation Owner
Peoples, John	Duquesne Light Company	Transmission Owner
Prokop, Brenda	ITC Mid-Atlantic Development LLC	Other Supplier
Richardson, Frank (Chip)	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Rushing, Nathan	CPV Maryland, LLC	Generation Owner
Rutigliano, Tom	Rep'g Achieving Equilibrium LLC	Other Supplier
Rutigliano, Tom	Rep'g EMC Development Company, Inc.	Other Supplier
Rutigliano, Tom	Rep'g Enerwise Global Technologies, Inc.	Other Supplier
Rutigliano, Tom	Rep'g Demansys Energy, LLC	Other Supplier
Scarp, David	Calpine Energy Services, L.P.	Generation Owner
Scoglietti, Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Thompson, Matt	Property Endeavors, LLC	End User Customer
Whitehead, Jeffrey	Direct Energy Business, LLC	Other Supplier
Williams, Michael	Black Oak Energy, LLC	Other Supplier
Yu, Joel	Rockland Electric Company	Transmission Owner

In Attendance (Non-Voting Participants):

Adams, Drew	A.F. Mensah, Inc.	Other Supplier
Ainspan, Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Beitel, Callais	Uncia Energy LP	Other Supplier
Benavas, Joseph	Pepco Holdings Incorporated	Not Applicable
Berlinski, Mike	Customized Energy Solutions	Not Applicable
Bloom, David	Baltimore Gas and Electric Company	Transmission Owner
Bowring, Joseph	Monitoring Analytics, LLC	Not Applicable
Chen, Jennifer	NRDC/FERC Project	Not Applicable
Chocarro, Iker	E.on Climate & Renewables North America, Inc.	Generation Owner
Currier, Jeffrey	Virginia Electric & Power Company	Transmission Owner
D'Alessandris, Lou	FirstEnergy Solutions Corporation	Transmission Owner
Davis, Connie	Cleveland Public Power	Electric Distributor
Day, Jason	Oceanside Power, LLC	Other Supplier
Demuynck, Rene	New Jersey Board of Public Utilities	Not Applicable
DePillo, Raymond	PSEG	Transmission Owner
Dessenger, Harry	Customized Energy Solutions, Ltd.*	Not Applicable
Dinicola, Laura	FirstEnergy Solutions Corporation	Transmission Owner

Eckes, Richard	Exion Energy, Inc.	Other Supplier
Engelmann, Alan	Commonwealth Edison Company	Transmission Owner
Ericson, Dave	Appalachian Power Company	Transmission Owner
Farber, John	Delaware Public Service Commission	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fletcher, Blake	ETC Endure Energy, LLC	Other Supplier
Foreman, Mark	Tenaska Power Services Co.	Generation Owner
Fort, Jim	Energy Authority, Inc. (The)	Other Supplier
Gebolys, Debbie	Public Utilities Commission of Ohio	Not Applicable
Giles, Steven	Allegheny Electric Cooperative, Inc.	Electric Distributor
Halay, Alina	The Federal Energy Regulatory Commission	Not Applicable
Hall, Walter	Maryland Public Service Commission	Not Applicable
Harmon, Mike	Ameren Energy Marketing Company	Generation Owner
Herel, Suzanne	RTO Insider	Not Applicable
Hilaski, Steve	Pepco Holdings Incorporated	Not Applicable
Hitch, George	Dominion Virginia Power	Not Applicable
Huntoon, Stephen	Energy Counsel, LLP	Not Applicable
Janicki, Diane	Boston Energy Trading and Marketing LLC	Generation Owner
Johnson, Nick	Tenaska Power Services Co.	Generation Owner
Johnson, Nick	Penn State University	Not Applicable
Kaczanowski, Marek	Baltimore Gas and Electric Company	Transmission Owner
Karrasch, Kim	IGS Energy	Not Applicable
Kelly, Meg	eCap Network, LLC	Other Supplier
Kingston, Amber	Aces Power Marketing	Not Applicable
Knies, Heather	LM Power, LLC	Other Supplier
Krone, Matt	Chesapeake Trading Group, LLC	Other Supplier
Lange, Nathan	VECO Power Trading, LLC	Other Supplier
Leonard, Ryan	Iberdrola Renewables, LLC	
Liang-Nicol, Cecilia	FirstEnergy Solutions Corporation	Transmission Owner
Logan, Sharon	The Federal Energy Regulatory Commission	Not Applicable
Logsdon, Sebastian	Exion Energy, Inc.	Other Supplier
Loudenburg, Zack	Aces Power Marketing	Not Applicable
Lowe, Connie	Dominion Virginia Power	Not Applicable
Martin, Valerie	The Federal Energy Regulatory Commission	Not Applicable
Martinez, Michael	ETC Endure Energy, LLC	Other Supplier
Marton, Dave	FirstEnergy Solutions Corporation	Transmission Owner
McAdams, Julius	Red Wolf Energy Trading, LLC	Other Supplier

McClendon, Michelle	Customized Energy Solutions	Not Applicable
Miller, John	Commonwealth Edison Company	Transmission Owner
Mok, Alan	Duke Energy Business Services LLC	Transmission Owner
O'Connor, Siobhan	The Energy Authority	Other Supplier
Ondayko, Brock	AEP	Transmission Owner
Pappen, Kevin	AEP	Transmission Owner
Patterson, John	Siemens Industry	Other Supplier
Peebles, Andy	Saracen Energy East LP	Other Supplier
Phillips, Amanda	ACES	Not Applicable
Pratzon, David	GT Power Group	Not Applicable
Reid, Ryan	ACES	Not Applicable
Riding, MQ	NAEA Ocean Peaking Power, LLC	Generation Owner
Robson, Matt	SESCO Enterprises LLC	Other Supplier
Sanada, Cristy	New York ISO	Not Applicable
Sasser, Jonathan	Customized Energy Solutions	Not Applicable
Seelaus, Andrew	EMC Development Company, Inc.	Other Supplier
Seelaus, Tim	EMC Development Company, Inc.	Other Supplier
Seide, Richard	Apex Clean Energy	Not Applicable
Semrau, Keith	Cleveland Public Power	Electric Distributor
Shanker, Roy	Hydro Quebec	Not Applicable
Sillin, John	The Federal Energy Regulatory Commission	Not Applicable
Skucas, Ruta	Pierce Atwood LLP	Not Applicable
Slade, Louis	Virginia Electric and Power Company	Transmission Owner
Smith, Andrew	SNL Energy	Not Applicable
Staska, Stephanie	Apollo Energy Services	Not Applicable
Steele, Robert	Acorn Energy Trading, LLC	Other Supplier
Struhar, Jeremy	Encenive Energy, LLC	Not Applicable
Trayers, Barry	Citigroup Energy Inc.	Other Supplier
Trevino, Rita	Siemens Industry	Other Supplier
Vogel, Anne	American Electric Power	Transmission Owner
Walker, Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Watson, Betty	SolarCity	Not Applicable
Watson, Mark	Platts	Not Applicable
Weber, Adam	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Welty, Pete	Easton Utilities Commission	Electric Distributor
Wilhite, Chad	FirstEnergy Solutions Corporation	Transmission Owner
Wilmoth, Emily	Dominion Virginia Power	Not Applicable

Wilson, James	Wilson Energy Economics	Not Applicable
Wisersky, Megan	Madison Gas & Electric Company	Other Supplier
Wynn, Laura	Stone, Mattheis, Xenopoulos, & Brew, PC	Not Applicable
Xenopoulos, Damon	Stone, Mattheis, Xenopoulos, & Brew, PC	Not Applicable
York, Katherine	Tennessee Valley Authority (The)	Other Supplier
Young, Craig	Viridity	Not Applicable
Zephyr, Frantz	Public Service Electric & Gas Company	Transmission Owner

In Attendance (PJM Participants):

Barrett, Francis	PJM Interconnection, LLC	Not Applicable
Bastian, Jeff	PJM Interconnection, LLC	Not Applicable
Berner, Aaron	PJM Interconnection, LLC	Not Applicable
Bratspis, David	PJM Interconnection, LLC	Not Applicable
Bresler, Stu	PJM Interconnection, LLC	Not Applicable
Brown, Richard	PJM Interconnection, LLC	Not Applicable
Bryson, Michael	PJM Interconnection, LLC	Not Applicable
Burlew, Jim	PJM Interconnection, LLC	Not Applicable
Carroll, Rebecca	PJM Interconnection, LLC	Not Applicable
Ciabattoni, Joe	PJM Interconnection, LLC	Not Applicable
Connell, Jason	PJM Interconnection, LLC	Not Applicable
Daugherty, Suzanne	PJM Interconnection, LLC	Not Applicable
Dirani, Rami	PJM Interconnection, LLC	Not Applicable
Driscoll, Mary Ellen	PJM Interconnection, LLC	Not Applicable
Duane, Vince	PJM Interconnection, LLC	Not Applicable
Egan, Amanda	PJM Interconnection, LLC	Not Applicable
Egan, Dave	PJM Interconnection, LLC	Not Applicable
Esterly, Teri	PJM Interconnection, LLC	Not Applicable
Fabiano, Janell	PJM Interconnection, LLC	Not Applicable
Falin, Thomas	PJM Interconnection, LLC	Not Applicable
Ford, Adrien	PJM Interconnection, LLC	Not Applicable
Gledhill, Andrew	PJM Interconnection, LLC	Not Applicable
Hartung, Dean	PJM Interconnection, LLC	Not Applicable
Hauske, Thomas	PJM Interconnection, LLC	Not Applicable
Hendrzak, Chantal	PJM Interconnection, LLC	Not Applicable
Herling, Steven	PJM Interconnection, LLC	Not Applicable
Herman, Michael	PJM Interconnection, LLC	Not Applicable
Hoang, Liem	PJM Interconnection, LLC	Not Applicable

Holland, Risa	PJM Interconnection, LLC	Not Applicable
Horowitz, Shira	PJM Interconnection, LLC	Not Applicable
Hsia, Eric	PJM Interconnection, LLC	Not Applicable
Ike-Egbonu, Chidiogo	PJM Interconnection, LLC	Not Applicable
Jayachandran, Marilyn	PJM Interconnection, LLC	Not Applicable
Keech, Adam	PJM Interconnection, LLC	Not Applicable
Keech, Jason	PJM Interconnection, LLC	Not Applicable
Kelley, Michael	PJM Interconnection, LLC	Not Applicable
Kenney, Susan	PJM Interconnection, LLC	Not Applicable
Langbein, Pete	PJM Interconnection, LLC	Not Applicable
LaRocque, Matthew	PJM Interconnection, LLC	Not Applicable
Manion, Evelyn	PJM Interconnection, LLC	Not Applicable
Martini, Danielle	PJM Interconnection, LLC	Not Applicable
McLaverty, Megan	PJM Interconnection, LLC	Not Applicable
McLeod, Ian	PJM Interconnection, LLC	Not Applicable
Miscavage, Dave	PJM Interconnection, LLC	Not Applicable
Monzon, Stephanie	PJM Interconnection, LLC	Not Applicable
Mooney, Molly	PJM Interconnection, LLC	Not Applicable
Nice, Ryan	PJM Interconnection, LLC	Not Applicable
Ott, Andrew L.	PJM Interconnection, LLC	Not Applicable
Patel, Keyur	PJM Interconnection, LLC	Not Applicable
Phillips, Darlene	PJM Interconnection, LLC	Not Applicable
Riley, Susan	PJM Board of Managers	Not Applicable
Schmitt, Jeff	PJM Interconnection, LLC	Not Applicable
Schuyler, Ken	PJM Interconnection, LLC	Not Applicable
Schweizer, David	PJM Interconnection, LLC	Not Applicable
Scott, Nicole	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
Stadlmeyer, Rebecca	PJM Interconnection, LLC	Not Applicable
Stotesbury, Christina	PJM Interconnection, LLC	Not Applicable
Swimm, Nora C.	PJM Interconnection, LLC	Not Applicable
Tacka, Natalie	PJM Interconnection, LLC	Not Applicable
Tam, Simon	PJM Interconnection, LLC	Not Applicable
Tribulski, Jennifer	PJM Interconnection, LLC	Not Applicable
Walker, Bill	PJM Interconnection, LLC	Not Applicable



Minutes

Weiss, Glenn
Williams, Stan

PJM Interconnection, LLC
PJM Interconnection, LLC

Not Applicable
Not Applicable

Author: D. A. Anders