

Markets and Reliability Committee
Chase Center on the Riverfront, Wilmington, DE
October 25, 2018
9:00 a.m. – 1:25 p.m. EPT

Administration (9:00-9:15)

Ms. Suzanne Daugherty and Mr. Dave Anders welcomed stakeholders and provided the Anti-trust and Code of Conduct announcement.

Consent Agenda (9:15)

Items A was **approved** by acclamation with no objections or abstentions.

A. Minutes of the September 27, 2018 meeting of the Markets and Reliability Committee (MRC).

Endorsements/Approvals (9:15-11:20)

1. PJM Manuals (9:15-9:35)

- A. Ms. Diane Lake reviewed proposed revisions to Manual 03A: Energy Management System (EMS) Model Updates and Quality Assurance (QA).
- B. Mr. Dean Manno reviewed proposed revisions to Manual 13: Emergency Operations.
- C. Ms. Nikki Militello reviewed proposed revisions to Manual 11: Energy & Ancillary Services Market Operations related to Pseudo-Tie Overlapping Congestion.
- D. Mr. Ray Fernandez reviewed proposed revisions to Manual 28: Operating Agreement Accounting related to Pseudo-Tie Overlapping Congestion.

Following discussion, the committee **endorsed** the proposed revisions in items 1.A through 1.D by acclamation with no objections and one abstention each to items 1.C and 1.D.

2. RPM Credit Requirement Reduction Clarifications (9:35-9:50)

Mr. Hal Loomis presented draft tariff revisions to remove an apparent overlapping credit reduction provision for Qualified Transmission Upgrades, to clarify milestone documentation requirements for internally financed projects, and to clarify that Capacity Market Sellers should submit requests for reductions. Following discussion, the committee **endorsed** the proposed revisions by acclamation with no objections or abstentions.

3. Transmission Constraint Penalty Factors (9:50-10:05)

Mr. Angelo Marcino reviewed the joint PJM/IMM proposal developed at the Special MIC sessions related to Transmission Constraint Penalty Factors, and presented draft Manual 11: Energy & Ancillary Services Market Operations and Manual 33: Administrative Services for PJM Interconnection Agreement revisions, Operating Agreement (OA) and Tariff revisions. Following discussion, the committee **endorsed** the proposed revisions by acclamation with no objections and three abstentions.

4. FERC Order 831 – Offer Caps (10:05-10:20)

Ms. Susan Kenney presented draft Manual 11 revisions that describes the long term automated process for Price-Based Offers greater than \$1,000/MWh. Following discussion, the committee **endorsed** the proposed revisions by acclamation with seven objections and no abstentions.

5. 2018 Reserve Requirements Study Results (10:20-10:35)

Dr. Patricio Rocha Garrido reviewed the 2018 Reserve Requirements Study results including the Installed Reserve Margin and Forecast Pool Requirement. Following discussion, the committee **endorsed** the proposed revisions by acclamation with no objections or abstentions.

6. Regulation Market Pricing Issue (10:35-10:55)

Ms. Lisa Morelli reviewed a problem statement and issue charge to address recent regulation market clearing price issues as well presented a proposed short-term solution. Ms. Morelli indicated PJM's commitment to propose a related problem statement and issue charge related to a longer-term solution in early 2019. Following discussion, the committee **approved** the proposed problem statement and issue charge by acclamation with one objection and two abstentions. Mr. John Horstmann, Dayton Power & Light, moved and Ms. Marji Philips, Direct Energy, seconded deferral of voting on the proposed short-term solution until the MRC's December 6, 2018 meeting. The motion to defer **failed** in a sector-weighted vote with 1.87 in favor. The committee **endorsed** the proposed short-term solution in a sector-weighted vote with 4.09 in favor.

7. Summer-Only Demand Response (10:55-11:20)

Ms. Rebecca Carroll presented the proposal endorsed by the Summer-Only Demand Response Sr. Task Force (SODRSTF) to value summer-only demand response resources. Following discussion, the committee **endorsed** the main motion in a sector-weighted vote with 3.48 in favor.

First Readings (11:20-12:50)

8. Price Responsive Demand Review for Capacity Performance Requirements (11:20-11:50)

Mr. Pete Langbein presented proposals developed by the Demand Response Subcommittee (DRS) to address Capacity Performance changes required for Price Responsive Demand. The committee will be asked to endorse a proposal at its next meeting.

9. 2019 Day Ahead Scheduling Reserve (DASR) Requirement (11:50-12:05)

Mr. Thomas Hauske reviewed proposed revisions to the 2019 Day Ahead Scheduling Reserve (DASR) requirement. The committee will be asked to endorse these revisions at its next meeting.

10. Surety Bonds (12:05-12:20)

Mr. Hal Loomis presented two stakeholder proposals developed at the Credit Subcommittee related to the use of surety bonds as an acceptable form of collateral. The committee will be asked to endorse a proposal at its next meeting.

11. Day Ahead Market Timeline Update (12:20-12:30)

Mr. Tim Horger presented proposed Tariff revisions related to the Day Ahead Market Timeline. Ms. Adrien Ford, ODEC moved and Mr. David Scarpignato, Calpine, seconded that the proposed revisions be endorsed at its first reading. There were no objections to voting at the first read. Following discussion, the committee **endorsed** the proposed Tariff revisions by acclamation with no objections and eight abstentions.

12. PJM Manuals (12:30-12:55)

- A. Mr. Yuri Smolanitsky reviewed proposed revisions to Manual 03: Transmission Operations. The committee will be asked to endorse these revisions at its next meeting.
- B. Mr. Vince Stefanowicz reviewed proposed revisions to Manual 10: Pre-Scheduling Operations. The committee will be asked to endorse these revisions at its next meeting.
- C. Mr. Vince Stefanowicz reviewed proposed revisions to Manual 14D: Generator Operational Requirements. The committee will be asked to endorse these revisions at its next meeting.
- D. Mr. Ray Fernandez reviewed proposed revisions to Manual 27: Open Access Transmission Tariff Accounting as part of its periodic review. The committee will be asked to endorse these revisions at its next meeting.
- E. Mr. Tim Horger reviewed proposed revisions to Manual 06: Financial Transmission Rights as part of its periodic review. The committee will be asked to endorse these revisions at its next meeting.

Informational Updates (12:55-1:25)

13. Electric Storage Participation: FERC Order 841 (12:55-1:10)

Ms. Laura Walter presented the proposal for compliance with FERC Order 841 Electric Storage Resource Participation Model. PJM must submit a compliance filing by December 3, 2018

14. BGE Remedial Action Scheme (RAS) Retirement (1:10-1:20)

Mr. Ken Braerman, BGE, presented the planned retirement of the Mount Washington RAS.

Future Agenda Items

No new future agenda items were identified.

Future Meeting Dates

December 6, 2018	9:00 a.m.	Wilmington, DE
December 20, 2018	9:30 a.m.	Valley Forge, PA

Author: D. Anders

Chair and Secretary

LAST NAME	FIRST NAME	COMPANY	SECTOR
Daugherty	Suzanne	PJM Interconnection	Not Applicable
Anders	David	PJM Interconnection	Not Applicable

Voting Participants

LAST NAME	FIRST NAME	COMPANY	SECTOR
Aguilar	Fabiano	Strom Power, LLC	Other Supplier
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Birnel	William	Westar Energy, Inc.	Other Supplier
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Michael	Covanta Energy Group, LLC	Generation Owner
Borgatti	Michael	Jersey Green Energy, LLC	Other Supplier
Borgatti	Michael	Longview Power, LLC	Generation Owner
Borgatti	Michael	Moxie Freedom LLC	Generation Owner
Borgatti	Michael	NextEra Energy Marketing, LLC	Other Supplier
Borgatti	Michael	York County Solid Waste and Refuse Authority	Generation Owner
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Bruce	Susan	Air Products & Chemicals, Inc.	End-Use Customer
Bruce	Susan	ArcelorMittal USA LLC	End-Use Customer
Bruce	Susan	Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce	Susan	Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Linde, LLC	End-Use Customer
Bruce	Susan	MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Praxair, Inc.	End-Use Customer
Bruce	Susan	Procter & Gamble Paper Products Company (The)	Generation Owner
Bruce	Susan	Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Wellsboro Electric Company	Electric Distributor
Campbell	Bruce	Enerwise Global Technologies, Inc.	Other Supplier
Campbell	Bruce	MidAtlantic Power Partners, LLC	Other Supplier
Davis	Jim	Dominion Energy	Transmission Owner
Davis	James	Virginia Electric & Power Company	Transmission Owner
Ellison	Alan	Grays Ferry Cogeneration Partnership	Generation Owner
Evrard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner

Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Giles	Steven	Allegheny Electric Cooperative, Inc.	Electric Distributor
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Hastings	David	MICS	Other Supplier
Hastings	David	Northstar Trading Ltd.	Other Supplier
Hastings	David	Saracen Energy East, L.P.	Other Supplier
Hastings	David	SESCO Enterprises, LLC	Other Supplier
Hastings	David	Solios Power Mid-Atlantic Trading, LLC	Other Supplier
Helms	Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hoatson	Tom	LS Power	Generation Owner
Hoatson	Tom	Renaissance Power & Gas, Inc.	Other Supplier
Hoatson	Tom	Riverside Generating, LLC	Generation Owner
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company	Transmission Owner
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski	Thomas	Carroll County Energy LLC	Generation Owner
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner
Janicki	Diane	Boston Energy Trading & Marketing	Other Supplier
Johnson	Carl	Allegheny Electric Cooperative, Inc.	Electric Distributor
Johnson	Carl	American Municipal Power, Inc.	Electric Distributor
Johnson	Carl	Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Borough of Chambersburg	Electric Distributor
Johnson	Carl	Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	City of Dover, Delaware	Electric Distributor
Johnson	Carl	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Easton Utilities Commission	Electric Distributor
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Galt Power, Inc.	Other Supplier
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Indiana Municipal Power Agency	Generation Owner
Johnson	Carl	Madison Gas & Electric Co.	Other Supplier
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	North Carolina Municipal Power Agency Number 1	Other Supplier

Johnson	Carl	Northern Illinois Municipal Power Agency	Electric Distributor
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Town of Williamsport (The)	Electric Distributor
Johnson	Carl	WPPI Energy	Other Supplier
Keenan	Matthew	Elwood Energy LLC	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Kopinski	John	ITC Interconnection LLC	Transmission Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Melnyk	Markian	Atlantic Grid Operations A, LLC	Other Supplier
O'Connell	Robert	PPGI Fund A/B Development, LLC.	Generation Owner
Pakela	Gregory	DTE Energy Trading	Other Supplier
Pakula	Maggie	Invenergy, LLC	Generation Owner
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Philips	Marji	Direct Energy Business, LLC	Other Supplier
Philips	Marji	Newark Energy Center, LLC	Generation Owner
Poulos	Greg	Consumer Protection and Advocate Division of the Tennessee Attorney General	End-Use Customer
Poulos	Greg	Delaware Division of the Public Advocate	End-Use Customer
Poulos	Greg	Illinois Citizen Utility Board	End-Use Customer
Poulos	Greg	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Michigan Department of Attorney General, Environment, Natural Resources, & Agriculture Division	End-Use Customer
Poulos	Greg	New Jersey Division of Rate Counsel	End-Use Customer
Poulos	Greg	Office of the Attorney General, Kentucky	End-Use Customer
Poulos	Greg	Office of the People's Counsel for the District of Columbia	End-Use Customer
Poulos	Greg	Ohio Consumers' Counsel	End-Use Customer
Poulos	Greg	Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Rockland Electric Company	Transmission Owner
Poulos	Greg	Virginia Division of Consumer Counsel	End-Use Customer
Poulos	Greg	West Virginia Consumer Advocate Division	End-Use Customer
Pratzon	David	Eastern Generation, LLC	Generation Owner
Pratzon	David	Essential Power Rock Springs, LLC	Transmission Owner
Pratzon	David	Wheelabrator Frackville Energy Co., Inc.	Generation Owner
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor

Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Trayers	Barry	Citigroup Energy Inc	Other Supplier
Vayda	Brian	Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Vayda	Brian	Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	The Borough Of Park Ridge, New Jersey	Electricity Distributor
Vayda	Brian	The Borough Of Park Ridge, New Jersey	Electricity Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Wicks	Tonja	Duquesne Light Company	Transmission Owner
Wilkie	Brian	Rockland Electric Company	Transmission Owner

Non-Voting Participants

LAST NAME	FIRST NAME	COMPANY	SECTOR
Abend	Erik	Erik Abend Consulting	Not Applicable
Ainspan	Malcolm	NRG	Other Supplier
Bainbridge	Tom	First Energy	Transmission Owner
Bayless	Charles	North Carolina Electric Membership Corporation	Electric Distributor
Benson	Ed	NextEra Energy	Other Supplier
Braerman	*Ken	Speaker	Not Applicable
Branch	John	St. Joseph Energy Center	Generation Owner
Brodbeck	John	EDP Renewables	Generation Owner
Brown	David	Board Of Public Utilities	End-Use Customer
Brown	David	NextEra Energy Marketing	Other Supplier
Canchi	Devendra	Monitoring Analytics	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Chandler	Kent	The Kentucky Attorney General	End-Use Customer
Chintapalli	Raj	BP Energy Company	Other Supplier
Christopher	Mahila	The Public Utilities Commission Of Ohio	Not Applicable
Chung	Taewoo	Millennium	Not Applicable
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Cox	Phil	American Electric Power	Not Applicable
Crystle	Gil	UGI Energy Services	Generation Owner

Dalessandris	Lou	First Energy	Transmission Owner
Dasher	Brett	The Energy Authority	Other Supplier
Delaney	Liz	Environmental Defense Fund	Not Applicable
Delosa	Joe	New Jersey Board Of Public Utilities	Not Applicable
Depillo	Ray	PSEG	Transmission Owner
Dillon	Matthew	UGI Development Company	Generation Owner
Dolan	Ryan	American Municipal Power	Electric Distributor
Domian	Christin	Duquesne Light Company	Transmission Owner
Eber	James	CoMed	Transmission Owner
Esposito	Patricia	A2A Energy	Special Member
Feller	John	PPL	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.*	None
Fuess	Christian	PBF Power Marketing, LLC	Generation Owner
Gebolys	Debbie	Public Utilities Commission Of Ohio	Not Applicable
Gilani	Rehan	ConEdison Energy	Other Supplier
Godson	Gloria	Upright Energy	Not Applicable
Greco	Steven	NextEra	Other Supplier
Guntle	Vince	UGI Energy Services	Generation Owner
Harmon	Mike	Ameren	Other Supplier
Heinle	Erik	DC People's Counsel	End-Use Customer
Heisey	Bradley	Tenaska	Generation Owner
Hilaski	Steve	Pepco Holdings	Not Applicable
Holdbrook	Ruth	NOVEC	Electric Distributor
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Huntoon	Steve	Chesapeake Transmission	Other Supplier
Jett	William	Duke Energy	Transmission Owner
Kaczanowski	Marek	Baltimore Gas & Electric	Transmission Owner
Knemschield	Jenny	ODEC	Electric Distributor
Lang	Courtney	Voltus	Other Supplier
Little	John	North Carolina Public Staff	End-Use Customer
Logan	Sharon	FERC	Not Applicable
Mariam	Yohannes	OPC-DC	End-Use Customer
Martin	Valerie	FERC	Not Applicable
Marzewski	Skyler	Monitoring Analytics	Not Applicable
Matuszak	Alex	UGI Energy Services	Generation Owner
McCaffree	Matthew	Itron	Not Applicable
Mcdaniel	John	Baltimore Gas & Electric	Transmission Owner
Mellovitz	Alan	Accenture	Not Applicable
Metzler	Jakob	CCI	Not Applicable

Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Militello	*Nicole	Speaker	Not Applicable
Miller	John	CoMed	Transmission Owner
Muhl	*Nancy	CommLine	Not Applicable
Nakayama	Hiroki	Marubeni	Generation Owner
Noewer	Sharon	FirstEnergy Corporation	Transmission Owner
Norton	Chris	American Municipal Power	Electric Distributor
Nowell	Cynthia	Pepco Holdings	Not Applicable
O'boyle	Brian	Rockland Electric	Transmission Owner
Ondayko	Brock	American Electric Power	Not Applicable
Pino	William	Baltimore Gas & Electric	Transmission Owner
Price	Mark	DC Energy	Other Supplier
Price	Ruth Ann	Delaware Division of the Public Advocate	End-Use Customer
Rainey	Frank	PEI Power Corporation	Generation Owner
Reams	William	Allegheny Electric Cooperative	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	None
Sawka	Justin	Exelon	Transmission Owner
Schreim	Morris	Maryland Office of People's Counsel	End-Use Customer
Schultheis	Daniel	Exelon	Transmission Owner
Schum	Alice	Illinois Municipal Electric Agency	Electric Distributor
Shah	Pulin	Exelon Business Services Company, LLC	Transmission Owner
Shanker	Roy	East Coast Power	Other Supplier
Sock	Bryan	PSEG	Transmission Owner
Sotkiewicz	Paul	E-Cubed	Not Applicable
Stancombe	Corey	Duke Energy	Transmission Owner
Stern	Alexander	PSEG	Transmission Owner
Stewart	Travis	Gabel & Associates	Not Applicable
Stone	Andy	Gabel Associates	Not Applicable
Sweeney	Rory	RTO Insider	Not Applicable
Tangira	Subha	ABB	Not Applicable
Thompson	Matthew	XO Energy	Other Supplier
Toomer	Megan	Talin Energy	Generation Owner
Tyler	Catherine	Monitoring Analytics	Not Applicable
Vargo	Daniel	Allegheny Electric Cooperative	Electric Distributor
Vhuang	Julia	Commonwealth Edison	Transmission Owner
Walker	Jennifer	Exelon	Transmission Owner
Whitehead	Jeffrey	GT Power Group	Not Applicable
Wilmoth	Emily	Dominion Energy	Generation Owner
Wilson	Bram	PBF Power Marketing, LLC	Generation Owner

Wilson	James	Wilson Energy Economics	Not Applicable
Wisersky	Megan	Madison Gas & Electric	Other Supplier
Zhuang	Julia	Commonwealth Edison	Transmission Owner

PJM

LAST NAME	FIRST NAME	COMPANY	SECTOR
Anders	David	PJM Interconnection	Not Applicable
Baker	Scott	PJM Interconnection	Not Applicable
Barrett	Francis	PJM Interconnection	Not Applicable
Berner	Aaron	PJM Interconnection	Not Applicable
Bernstein	Matthew	PJM Interconnection	Not Applicable
Bhavaraju	Murty	PJM Interconnection	Not Applicable
Blackwell	Terry	PJM Interconnection	Not Applicable
Borradaile	Michael	PJM Interconnection	Not Applicable
Boyle	Glen	PJM Interconnection	Not Applicable
Bresler	Stu	PJM Interconnection	Not Applicable
Bruno	Patrick	PJM Interconnection	Not Applicable
Budney	David	PJM Interconnection	Not Applicable
Burdis	Tim	PJM Interconnection	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Caven	Augustine	PJM Interconnection	Not Applicable
Chao	Hungpo	PJM Interconnection	Not Applicable
Coyne	Suzanne	PJM Interconnection	Not Applicable
Cummings	Bridgid	PJM Interconnection	Not Applicable
Daugherty	Suzanne	PJM Interconnection	Not Applicable
Davis	Elizabeth	PJM Interconnection	Not Applicable
Drauschak	Lisa	PJM Interconnection	Not Applicable
Driscoll	Mary Ellen	PJM Interconnection	Not Applicable
Duane	Vince	PJM Interconnection	Not Applicable
Egan	Amanda	PJM Interconnection	Not Applicable
Endress	Eric	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Falin	Tom	PJM Interconnection	Not Applicable
Fereshetian	Damon	PJM Interconnection	Not Applicable
Fernandes	Anisha	PJM Interconnection	Not Applicable
Fernandez	Ray	PJM Interconnection	Not Applicable
Foster	Denise	PJM Interconnection	Not Applicable
Foster	Neel	PJM Interconnection	Not Applicable
Genuario	Gabrielle	PJM Interconnection	Not Applicable

Glattz	Suzanne	PJM Interconnection	Not Applicable
Gledhill	Andrew	PJM Interconnection	Not Applicable
Greening	Michele	PJM Interconnection	Not Applicable
Hauske	Tom	PJM Interconnection	Not Applicable
Hendrzak	Chantal	PJM Interconnection	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Herling	Steve	PJM Interconnection	Not Applicable
Holland	Risa	PJM Interconnection	Not Applicable
Holter	Natasha	PJM Interconnection	Not Applicable
Horger	Tim	PJM Interconnection	Not Applicable
Hsia	Eric	PJM Interconnection	Not Applicable
Hugee	Jacqulynn	PJM Interconnection	Not Applicable
Kelley	Michael	PJM Interconnection	Not Applicable
Kenney	Susan	PJM Interconnection	Not Applicable
Keshavamurthy	Bhavana	PJM Interconnection	Not Applicable
Khashfe	Bill	PJM Interconnection	Not Applicable
Lake	Diane	PJM Interconnection	Not Applicable
Langbein	Pete	PJM Interconnection	Not Applicable
Larocque	Matthew	PJM Interconnection	Not Applicable
Long	Amanda	PJM Interconnection	Not Applicable
Long	Glenn	PJM Interconnection	Not Applicable
Loomis	Hal	PJM Interconnection	Not Applicable
Lu	Chenchao	PJM Interconnection	Not Applicable
Malladi	Brinda	PJM Interconnection	Not Applicable
Manion	Evelyn	PJM Interconnection	Not Applicable
Marcino	Angelo	PJM Interconnection	Not Applicable
McGlynn	Paul	PJM Interconnection	Not Applicable
Monken	Jonathan	PJM Interconnection	Not Applicable
Monzon	Stephanie	PJM Interconnection	Not Applicable
Mooney	Molly	PJM Interconnection	Not Applicable
Morelli	Lisa	PJM Interconnection	Not Applicable
Muhl	Nancy	PJM Interconnection	Not Applicable
Nix	Emma	PJM Interconnection	Not Applicable
O'Brien	Tom	PJM Interconnection	Not Applicable
O'Hara	Chris	PJM Interconnection	Not Applicable
Olaleye	Michael	PJM Interconnection	Not Applicable
O'Neill	Jack	PJM Interconnection	Not Applicable
Ott	Andrew	PJM Interconnection	Not Applicable
Phillips	Darleen	PJM Interconnection	Not Applicable

Pilong	Chris	PJM Interconnection	Not Applicable
Quevada	Jason	PJM Interconnection	Not Applicable
Reynolds	John	PJM Interconnection	Not Applicable
Ritchie	Sandra	PJM Interconnection	Not Applicable
Rocha-Garrido	Patricio	PJM Interconnection	Not Applicable
Schmidt	Jeff	PJM Interconnection	Not Applicable
Schuyler	Ken	PJM Interconnection	Not Applicable
Schweizer	David	PJM Interconnection	Not Applicable
Shah	Vijay	PJM Interconnection	Not Applicable
Shoemaker	Jason	PJM Interconnection	Not Applicable
Slusser	Jeff	PJM Interconnection	Not Applicable
Souder	Michelle	PJM Interconnection	Not Applicable
Stadelmeyer	Rebecca	PJM Interconnection	Not Applicable
Stefanowicz	Vince	PJM Interconnection	Not Applicable
Swimm	Nora	PJM Interconnection	Not Applicable
Tribolski	Jen	PJM Interconnection	Not Applicable
Velasco	Cheryl	PJM Interconnection	Not Applicable
Walter	Laura	PJM Interconnection	Not Applicable
Ward	Michael	PJM Interconnection	Not Applicable
Warshel	Kim	PJM Interconnection	Not Applicable