

Markets and Reliability Committee  
The Chase Center on the Riverfront, Wilmington, DE  
June 22, 2017  
9:00 a.m. – 12:30 p.m. EPT

## Administration

Ms. Suzanne Daugherty and Mr. Dave Anders welcomed the participants, and provided the antitrust and code of conduct announcements.

## Endorsements/Approvals

### 1. Draft Minutes

Minutes of the May 25, 2017 meeting of the Markets and Reliability Committee (MRC) were **approved** by acclamation with no objections and one abstention.

### 2. PJM Manuals

- A. Mr. Aaron Berner presented updates to Manual 14A: Generation and Transmission Interconnection Process and the Tariff related to less than \$5M cost allocation and the alternate queue.
- B. Ms. Michael Herman presented updates to Manual 14C: Generation and Transmission Interconnection Facility Construction as a result of aligning manual language with the work being completed through the Designated Entity Design Standards Taskforce.
- C. Mr. Michael Herman presented the draft PJM Manual 14F: Competitive Planning Process, including the decisional diagram.
- D. Mr. Patricio Rocha-Garrido presented updates to Manual 20: PJM Resource Adequacy Analysis regarding Zonal and Global Locational Deliverability Areas for CETO calculations.
- E. Mr. Ray Fernandez reviewed Manual 28: Operating Agreement Accounting changes associated with FTR Balancing Congestion.
- F. Mr. Vince Stefanowicz reviewed proposed changes to Manual 39: Nuclear Plant Interface Coordination.

Regarding item 2.B, Mr. Herman noted that all future 'Problem Statement and Requirements' documents issued as part of the competitive proposal process will include a requirement that the proposals must comply with all PJM Tariff, Operating Agreement (OA), manual and Designated Entity Design Standards Task Force minimum standard requirements.

Regarding item 2.C, Mr. Herman noted PJM's commitment to update Manual 14F, as needed, to incorporate in the manual any resolution reached at the special Planning Committee sessions regarding bids that contain cost commitment.

Following discussion, items 2.A through 2.F were **endorsed** by acclamation with the following objections and abstentions:

- Item 2.A – no objections and three abstentions
- Item 2.B – no objections and three abstentions
- Item 2.C – no objections and two abstentions
- Item 2.D – no objections and one abstention
- Item 2.E – no objections or abstentions
- Item 2.F – no objections or abstentions

### 3. Pseudo-tie Pro Forma

Ms. Jacqui Huges reviewed the following pseudo-tie agreements and Tariff and OA revisions:

- Pro forma pseudo-tie agreement
- Pseudo-tie reimbursement agreement for pseudo-tie into PJM
- Associated Tariff and OA revisions

Following discussion, the vote on the proposed agreements and Tariff and OA revisions was deferred to the committee's next meeting. Ms. Daugherty noted that the members will be asked to vote on the proposed documents at the MRC and Members Committee in the same day to enable fulfillment of commitment to the FERC to file before the end of July, 2017.

Ms. Huges also presented a first reading of a draft Dynamic Schedule Agreement. The committee will be asked to endorse the proposed Agreement at a future meeting.

### 4. Regulation Market Issues Sr. Task Force (RMISTF)

Mr. Eric Hsia presented the proposed regulation market enhancements endorsed by the RMISTF. Mr. Michael Borgatti moved and Mr. John Horstmann seconded that the RMISTF be directed to update the proposal to include the details of the regulation signal and Marginal Rate of Technical Substitution in the proposed Tariff and manual revisions, and that the a vote on the amended RMISTF proposal be deferred until the update has been accomplished. The motion to defer and provide direction to the RMISTF **failed** in a sector-weighted vote with 1.61 in favor. Following discussion, the proposed enhancements developed by the RMISTF were **endorsed** in a sector-weighted vote with 3.89 in favor.

## First Readings

### 5. Governing Document Revisions to the Limitation on Claim

Mr. Steven Shparber presented Tariff and Operating Agreement (OA) revisions related to the Limitation on Claims. The committee will be asked to endorse the Tariff revisions at a future meeting.

### 6. PJM M14B and PJM Operating Agreement Updates – TEAC Redesign

Ms. Melissa Maxwell presented updates to PJM Manual 14B: PJM Regional Transmission Process and the OA regarding the proposal window timeline. The committee will be asked to endorse these updates at its next meeting.

## 7. Seasonal Capacity Resources Sr. Task Force (SCRSTF)

Mr. Scott Baker discussed the proposed disposition of footnotes in a recent PJM FERC filing related to initiation of stakeholder discussion on subjects such as whether PJM's load forecasting methodologies should be enhanced to recognize seasonal resources differently, and whether a mechanism should be designed outside the capacity and energy markets to value and compensate the operational flexibility of seasonal resources. The committee will be asked to endorse the proposed disposition as well as sunsetting the SCRSTF at its next meeting.

## 8. PJM Manuals

- A. Mr. Ryan Nice reviewed proposed revisions to Manual 01: Control Center and Data Exchange Requirements. The committee will be asked to endorse the proposed revisions at its next meeting.
- B. Ms. Rebecca Stadelmeyer presented revisions to Manual 11: Energy & Ancillary Services and Manual 18: PJM Capacity Market, for revisions associated with Capacity Performance Shortfall and Bonus MW calculations. The committee will be asked to endorse the proposed revisions at its next meeting.

## Informational Updates

## 9. Transmission Replacement Process Sr. Task Force (TRPSTF)

Mr. Fran Barrett provided a status update regarding TRPSTF activities and the related FERC Show Cause Order. Ms. Gloria Godson moved and Ms. Tonya Wicks seconded:

At the February 23, 2017, MRC meeting stakeholders voted to extend the suspension of the TRPSTF Consensus Based Issue Resolution process activities until the earlier of June 2017 or FERC issuance of an Order. While the Commission still does not have a quorum, two new FERC Commissioners have been vetted and it is expected that they will be able to start work next month. The issues in the TRPSTF mission and scope of work are issues that are currently being actively litigated before FERC. These issues are fully briefed and will not be resolved in a stakeholder forum. Absent a FERC order, this pending litigation makes any expenditure of time discussing these issues unproductive.

I therefore move a motion to extend the current hiatus on CBIR activities at the TRPSTF and to resume upon the earlier of the issuance of a related FERC order or December 2017.

Mr. Alex Stern proposed a friendly amendment as follows:

I therefore move a motion to extend the current hiatus on CBIR activities at the TRPSTF and to resume upon the issuance of a related FERC order or, in absence of a FERC Order, review the status of the hiatus with the MRC no later than December 2017.

Ms. Godson and Ms. Wicks accepted this as friendly and therefore it was incorporated into the motion. Following discussion, the motion **failed** in a sector-weighted vote with 1.79 in favor.

## Future Agenda Items

No new future agenda items were identified.

## Future Meeting Dates

July 27, 2017	9:00 a.m.	Wilmington, DE
August 24, 2017	9:30 a.m.	Wilmington, DE
September 28, 2017	9:00 a.m.	Valley Forge, PA
October 26, 2017	9:00 a.m.	Wilmington, DE
December 7, 2017	9:00 a.m.	Philadelphia, PA
December 21, 2017	9:30 a.m.	Wilmington, DE

Author: D. A. Anders

## CHAIR/SECRETARY

Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
Anders	David	PJM Interconnection, LLC	Not Applicable

## VOTING PARTICIPANTS

Last Name	First Name	Company	Sector
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Borgatti	Michael	Rep.'g Covanta Energy Group, LLC	Generation Owner
Borgatti	Michael	Rep.'g Elgin Energy Center, LLC	Generation Owner
Borgatti	Michael	Rep.'g Jersey Green Energy, LLC	Other Supplier
Borgatti	Michael	Rep.'g Longview Power, LLC	Generation Owner
Borgatti	Michael	Rep.'g Moxie Freedom LLC	Generation Owner
Borgatti	Michael	Rep.'g Newark Energy Center, LLC	Generation Owner
Borgatti	Michael	Rep.'g NextEra Energy Marketing, LLC	Generation Owner
Borgatti	Michael	Rep.'g York County Solid Waste and Refuse Authority	Generation Owner
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Bruce	Susan	Rep.'g Air Products & Chemicals, Inc.	End User Customer
Bruce	Susan	Rep.'g ArcelorMittal USA LLC	End User Customer
Bruce	Susan	Rep.'g Gerdau Ameristeel Energy, Inc.	Other Supplier
Bruce	Susan	Rep.'g Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Rep.'g Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep.'g Lehigh Portland Cement Company	End User Customer



Bruce	Susan	Rep.'g Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Rep.'g Linde, LLC	End User Customer
Bruce	Susan	Rep.'g MeadWestvaco Corporation	End User Customer
Bruce	Susan	Rep.'g Praxair, Inc.	End User Customer
Bruce	Susan	Rep.'g Procter & Gamble Paper Products Company (The)	Generation Owner
Bruce	Susan	Rep.'g Trustees of the University of Pennsylvania	End User Customer
Bruce	Susan	Rep.'g Wellsboro Electric Company	Electric Distributor
Campbell	Bruce	Rep.'g Enerwise Global Technologies, Inc.	Other Supplier
Campbell	Bruce	Rep.'g MidAtlantic Power Partners, LLC	Other Supplier
Conant	Laura	Mosaic Power	Other Supplier
Davis	James	Virginia Electric & Power 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
Fondacci	Luis	North Carolina Electric Membership Corporation	Electric Distributor
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess	Jay	Rep.'g Church Hill Solar Farm, LLC	Generation Owner
Fuess	Jay	Rep.'g Diamond State Generation Partners, LLC	Generation Owner
Fuess	Jay	Rep.'g Ictec.com, Inc.	Other Supplier
Fyess	Jay	Rep.'g Kuehne Chemical Company, Inc.	Other Supplier
Fuess	Jay	PBF Power Marketing, LLC	Generation Owner
Gallagher	William	A.F. Mensah Inc.	Other Supplier
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Haugen	Joe	Interstate Gas Supply, Inc.	Other Supplier
Hoatson	Tom	Rep.'g Riverside Generating, LLC	Generation Owner
Hoatson	Tom	Rep.'g 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
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner
Jablonski	James	Rep.'g Borough of Butler, Butler Electric Division	Electric Distributor
Jablonski	James	Rep.'g Borough of Lavallette, New Jersey	Electric Distributor



Jablonski	James	Rep.'g Borough of Madison, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Milltown, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Park Ridge, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Pemberton, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of Seaside Heights, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Borough of South River, New Jersey	Electric Distributor
Jablonski	James	Rep.'g Vineland Municipal Electric Utility	Electric Distributor
Johnson	Carl	Rep.'g Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Rep.'g Borough of Chambersburg	Electric Distributor
Johnson	Carl	Rep.'g Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Rep.'g Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Rep.'g Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	Rep.'g City of Dover, Delaware	Electric Distributor
Johnson	Carl	Rep.'g Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Rep.'g Easton Utilities Commission	Electric Distributor
Johnson	Carl	Rep.'g Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Rep.'g Galt Power, Inc.	Other Supplier
Johnson	Carl	Rep.'g Hagerstown Light Department	Electric Distributor
Johnson	Carl	Rep.'g Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Rep.'g Indiana Municipal Power Agency	Generation Owner
Johnson	Carl	Rep.'g Madison Gas & Electric Co.	Other Supplier
Johnson	Carl	Rep.'g North Carolina Municipal Power Agency Number 1	Other Supplier
Johnson	Carl	Rep.'g Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Rep.'g Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Rep.'g Town of Williamsport (The)	Electric Distributor
Johnson	Carl	Rep.'g WPPI Energy	Other Supplier
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Ma	Alex	Invenergy, LLC	Generation Owner
Melnyk	Markian	Atlantic Grid Operations A, LLC	Other Supplier
O'Connell	Robert	PPGI Fund A/B Development, LLC.	Generation Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Poulos	Greg	Rep.'g Delaware Division of the Public Advocate	End User Customer



Poulos	Greg	Rep.'g Illinois Citizen Utility Board	End User Customer
Poulos	Greg	Rep.'g Indiana Office of Utility Consumer Counselor (IN OUCC)	End User Customer
Poulos	Greg	Rep.'g Maryland Office of People's Counsel	End User Customer
Poulos	Greg	Rep.'g New Jersey Division of Rate Counsel	End User Customer
Poulos	Greg	Rep.'g Office of the Attorney General, Kentucky	End User Customer
Poulos	Greg	Rep.'g Office of the People's Counsel for the District of Columbia	End User Customer
Poulos	Greg	Rep.'g West Virginia Consumer Advocate Division	End User Customer
Pratzon	David	Rep.'g Eastern Generation, LLC	Generation Owner
Pratzon	David	Rep.'g Essential Power Rock Springs, LLC	Transmission Owner
Pratzon	David	Rep.'g Wheelabrator Frackville Energy Co., Inc.	Generation Owner
Pratzon	David	Rep.'g WM Renewable Energy, L.L.C.	Generation Owner
Prokop	Brenda	ITC Interconnection LLC	Transmission Owner
Richardson	Frank (Chip)	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Rohrbach	John	Rep.'g Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohrbach	John	Rep.'g Wabash Valley Power Association, Inc.	Electric Distributor
Rutigliano	Tom	Rep.'g Achieving Equilibrium LLC	Other Supplier
Rutigliano	Tom	Rep.'g Earth Networks, Inc.	Other Supplier
Rutigliano	Tom	Rep.'g EMC Development Company, Inc.	Other Supplier
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Wadsworth	Joe	Vitol Inc.	Other Supplier
Whitehead	Jeffrey	Direct Energy Business, LLC	Other Supplier
Wicks	Tonja	Duquesne Light Company	Transmission Owner
Wood	Gordon	ETC Endure Energy L.L.C.	Other Supplier
Yu	Joel	Rockland Electric Company	Transmission Owner

## NON-VOTING PARTICIPANTS

Last Name	First Name	Company	Sector
Ainspan	Malcolm	NRG Curtailment Solutions, Inc.	Other Supplier
Allen	Wesley	Red Wolf Energy Trading, LLC	Other Supplier
Bainbridge	Tom	FirstEnergy Solutions Corp.	Transmission Owner
Berlinski	Michael	Customized Energy Solutions Ltd.	Not Applicable
Bleiweis	Bruce	DC Energy, LLC	Other Supplier



Bowring	Joe	Monitoring Analytics	Not Applicable
Brodbeck	John	EDP Renewables North America, LLC	Generation Owner
Burwen	Jason	Energy Storage Assn	Not Applicable
Canter	David	Appalachian Power Company	Transmission Owner
Chiotos	Daniel	Mosaic Power	Other Supplier
Chocarro	Iker	E.ON Climate & Renewables North America Inc.	Generation Owner
Conant	Laura	Mosaic Power	Other Supplier
Coyle	Billy	Dominion Retail Inc.	Other Supplier
Crystle	Gil	UGI Energy Services, LLC	Other Supplier
Delosa	Joe	Delaware Public Service Commission	Not Applicable
Depillo	Raymond	Public Service Electric & Gas Company	Transmission Owner
Dickson	Douglas	New Jersey Board of Public Utilities	Not Applicable
Feierabend	Rick	Dominion Energy Generation Marketing, Inc.	Generation Owner
Fuerst	Gary	FirstEnergy Solutions Corp.	Transmission Owner
Greening	Michele	PPL Electric Utilities Corporation d/b/a/ PPL Utilities	Transmission Owner
Guy	Gary	Baltimore Gas and Electric Company	Transmission Owner
Hagaman	Derek	GT Power Group	Not Applicable
Hanser	Erik	Michigan Public Service Commission	Not Applicable
Harmon	Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Hebert	Christopher	Beacon Power, LLC	Other Supplier
Hitch	George	Dominion Virginia Power	Not Applicable
Horning	Lynn	LMH Energy Consulting	Not Applicable
Huntoon	Stephen	Energy Counsel LLP	Not Applicable
Jardot	Gina	Cogentrix Virginia Financing Holding Company, LLC	Other Supplier
Jones	Ryan	Allegheny Electric Cooperative Inc.	Electric Distributor
Kaczanowski	Marek	Baltimore Gas and Electric Company	Transmission Owner
Kaplan	Donald	K&L Gates	Not Applicable
Karrasch	Kim	Interstate Gas Supply, Inc.	Other Supplier
Kinser	Cynthia	Consumer Protection and Advocate Division of the Tennessee Attorney General	End Use Customer
Kormos	Mike	Exelon Generation Co., LLC	Generation Owner
Kothakapu	Rakesh	Illinois Municipal Electric Agency	Electric Distributor
Laios	Takis	Appalachian Power Company	Transmission Owner
Lowe	Connie	Virginia Electric & Power Company	Trasnmission Owner
Manning	James	North Carolina Electric Membership Corporation	Electric Distributor
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End Use Customer



Marinelli	Richard	Public Service Electric & Gas Company	Transmission Owner
Martin	Valerie	Federal Energy Regulatory Commission	Not Applicable
Marton	Dave	FirstEnergy Solutions Corp.	Transmission Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Purdie	Michael	Dominion Energy Generation Marketing, Inc.	Generation Owner
Ramsey	James	Suffolk Fund LLC	Other Supplier
Rothey	Kristin	American Municipal Power, Inc.	Electric Distributor
Ruck	Andrew	Public Service Electric & Gas Company	Transmission Owner
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shoop	Patrick	Customized Energy Solutions	Not Applicable
Sillin	John	Federal Energy Regulatory Commission	Not Applicable
Slagel	Ron	MICS	Not Applicable
Smith	Alan	NextEra Energy Marketing, LLC	Generation Owner
Stubbe	Judy	Duke Energy Ohio, Inc.	Transmission Owner
Tangirala	Subha	ABB	Not Applicable
Tatum	Ed	American Municipal Power, Inc.	Electric Distributor
Thompson	Matt	XO Energy MA, L.P.	Other Supplier
Thomson	Heather	Mid-Atlantic Renewable Energy Coalition	Not Applicable
Tibbetts	Maeve	Pierce Atwood	Not Applicable
Vargo	Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Watson	Mark	Platts	Not Applicable
Webster	John	Icetec.com, Inc.	Other Supplier
Wilhite	Chad	FirstEnergy Solutions Corp.	Transmission Owner
Wilmoth	Emily	Dominion Energy Generation Marketing, Inc.	Generation Owner
Xenopoulos	Damon	SMXB	Not Applicable
York	Katherine	Tennessee Valley Authority (The)	Other Supplier

## PJM PARTICIPANTS

Last Name	First Name	Company	Sector
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Barrett	Fran	PJM Interconnection, LLC	Not Applicable
Berner	Aaron	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Bresler	Stu	PJM Interconnection, LLC	Not Applicable



Brown	Rich	PJM Interconnection, LLC	Not Applicable
Bryson	Mike	PJM Interconnection, LLC	Not Applicable
Budney	David	PJM Interconnection, LLC	Not Applicable
Burlew	Jim	PJM Interconnection, LLC	Not Applicable
Chao	Hungpo	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joseph	PJM Interconnection, LLC	Not Applicable
Croop	Danielle	PJM Interconnection, LLC	Not Applicable
Derin	Bilge	PJM Interconnection, LLC	Not Applicable
Drauschak	Lisa	PJM Interconnection, LLC	Not Applicable
Driscoll	Maryellen	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Ellen	Mary	PJM Interconnection, LLC	Not Applicable
Endress	Eric	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Falin	Tom	PJM Interconnection, LLC	Not Applicable
Fereshetian	Damon	PJM Interconnection, LLC	Not Applicable
Fernandez	Ray	PJM Interconnection, LLC	Not Applicable
Foley	Pauline	PJM Interconnection, LLC	Not Applicable
Foster	Denise	PJM Interconnection, LLC	Not Applicable
Furnholm	Whitney	PJM Interconnection, LLC	Not Applicable
Glatz	Suzanne	PJM Interconnection, LLC	Not Applicable
Glazer	Craig	PJM Interconnection, LLC	Not Applicable
Gledhill	Andrew	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Herman	Michael	PJM Interconnection, LLC	Not Applicable
Holland	Risa	PJM Interconnection, LLC	Not Applicable
Horger	Tim	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hugee	Jacquelynn	PJM Interconnection, LLC	Not Applicable
Keech	Adam	PJM Interconnection, LLC	Not Applicable
Kelley	Michael	PJM Interconnection, LLC	Not Applicable
Koza	Frank	PJM Interconnection, LLC	Not Applicable
Larocque	Matthew	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
Maxwell	Melissa	PJM Interconnection, LLC	Not Applicable



McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McLaverty	Megan	PJM Interconnection, LLC	Not Applicable
Monzon	Stephanie	PJM Interconnection, LLC	Not Applicable
Murphy	Lori	PJM Interconnection, LLC	Not Applicable
Nice	Ryan	PJM Interconnection, LLC	Not Applicable
Nix	Emma	PJM Interconnection, LLC	Not Applicable
O'Hara	Chris	PJM Interconnection, LLC	Not Applicable
Olaleye	Michael	PJM Interconnection, LLC	Not Applicable
O'Neill	Jack	PJM Interconnection, LLC	Not Applicable
Ott	Andrew	PJM Interconnection, LLC	Not Applicable
Park	Jinny	PJM Interconnection, LLC	Not Applicable
Pilong	Chris	PJM Interconnection, LLC	Not Applicable
Pincus	Steven	PJM Interconnection, LLC	Not Applicable
Quevada	Jason	PJM Interconnection, LLC	Not Applicable
Ritchie	Sandra	PJM Interconnection, LLC	Not Applicable
Rocha-Garrido	Patricio	PJM Interconnection, LLC	Not Applicable
Schmitt	Jeff	PJM Interconnection, LLC	Not Applicable
Schneider	Howard	PJM Interconnection, LLC	Not Applicable
Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Shparber	Steve	PJM Interconnection, LLC	Not Applicable
Slusser	Jeff	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Stadelmeyer	Rebecca	PJM Interconnection, LLC	Not Applicable
Stefanowicz	Vince	PJM Interconnection, LLC	Not Applicable
Stotesbury	Christina	PJM Interconnection, LLC	Not Applicable
Strella	Lauren	PJM Interconnection, LLC	Not Applicable
Swimm	Nora	PJM Interconnection, LLC	Not Applicable
Velasco	Cheryl	PJM Interconnection, LLC	Not Applicable
Walter	Laura	PJM Interconnection, LLC	Not Applicable
Williams	Stan	PJM Interconnection, LLC	Not Applicable