

**Markets and Reliability Committee**  
**Via Teleconference and WebEx**  
**February 21, 2019**  
**9:00 a.m. – 12:30 a.m. EPT**

## Administration

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

## Informational Update

Mr. Adam Keech provided an updated estimate of the potential default allocation assessment implications from FERC's Order denying PJM's FERC waiver request.

## Consent Agenda

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

A. Minutes of the January 24, 2019 meeting of the Markets and Reliability Committee (MRC).

## Endorsements/Approvals

### 1. PJM Manuals

A. Mr. Jonathan Kern presented updates to Manual 14B: Regional Transmission Planning Process.

B. Mr. Vince Stefanowicz reviewed the proposed revisions to Manual 14D: Generator Operational Requirements.

C. Ms. Danielle Croop reviewed the proposed revisions to Manual 12: Balancing Operations.

Following discussion the committee **endorsed** the proposed manual revisions in item 1.A in a sector-weighted vote with 4.26 in favor. The committee **endorsed** the proposed manual revisions in item 1.B by acclamation with no objections and three abstentions. The committee **endorsed** the proposed manual revisions in items 1.C by acclamation with four objections and four abstentions.

### 2. Transmission Replacement Process

Ms. Sharon Segner, LS Power, reviewed the proposed motion and notified the committee of a proposed friendly amendment to be offered by NextEra. Ms. Segner moved and Ms. Ruth Price, DE Division of the Public Advocate, seconded deferral of voting on the proposal until the committee's April 25, 2019 meeting to allow continued discussion at the Planning Committee. The motion to defer was **approved** in a sector-weighted vote with 3.73 in favor.

## First Readings

### 3. Fuel Security Problem Statement and Issue Charge

Mr. Mike Bryson reviewed a proposed Fuel Security Problem Statement and Issue Charge. The committee will be asked to approve the Problem Statement and Issue Charge at its next meeting.

### 4. PJM Manuals

- A. Mr. Chris Pilog reviewed proposed revisions to Manual 13: Emergency Operations. The committee will be asked to endorse the revisions at its next meeting.
- B. Mr. Donnie Bielak reviewed proposed revisions to Manual 37: Reliability Coordination. The committee will be asked to endorse the revisions at its next meeting.
- C. Mr. Jason Quevada presented proposed revisions to Manual 20 Resource Adequacy Analysis. The committee will be asked to endorse the revisions at its next meeting.
- D. Ms. Susan McGill presented proposed revisions to Manual 14A: New Services Request Process and the OATT associated with deficiency cure periods at the end of the queue and identify potential areas of improvement. The committee will be asked to endorse the revisions at its next meeting.

## Additional Informational Updates

### 5. ComEd RAS/SPS Retirement

Mr. Alan Engelmann and Mr. Minh Nguyen, ComEd, presented the retirement of Remedial Action Schemes (RAS)/Special Protection Systems (SPS) at ComEd's Lisle substation.

## Future Agenda Items

No new future agenda items were identified.

## Future Meeting Dates

March 21, 2019	9:00 a.m.	Wilmington, DE
April 25, 2019	9:00 a.m.	Valley Forge, PA
May 30, 2019	9:00 a.m.	Valley Forge, PA
June 27, 2019	9:00 a.m.	Wilmington, DE
July 25, 2019	9:00 a.m.	Wilmington, DE
August 22, 2019	9:00 a.m.	Wilmington, DE
September 26, 2019	9:00 a.m.	Valley Forge, PA
October 31, 2019	9:00 a.m.	Wilmington, DE
December 5, 2019	9:00 a.m.	Wilmington, DE
December 19, 2019	9:00 a.m.	Valley Forge, PA

Author: D. Anders

## CHAIR/SECRETARY

Last Name	First Name	Company	Role
Daugherty	Suzanne	PJM Interconnection, LLC	Chair
Anders	David	PJM Interconnection, LLC	Secretary

## VOTING PARTICIPANTS

Last Name	First Name	Company	Sector
Aguilar	Fabiano	Strom Power, LLC	Other Supplier
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Michael	Rep.'g Carolina Solar Energy III, LLC	Other Supplier
Borgatti	Michael	Rep.'g Covanta Energy Group, LLC	Generation Owner
Borgatti	Michael	Rep.'g Edgecombe Genco, LLC	Generation Owner
Borgatti	Michael	Rep.'g Hazleton Generation, 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	Other Supplier
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-Use Customer
Bruce	Susan	Rep.'g ArcelorMittal USA LLC	End-Use 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-Use Customer
Bruce	Susan	Rep.'g Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Rep.'g MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Rep.'g Praxair, Inc.	End-Use Customer
Bruce	Susan	Rep.'g Procter & Gamble Paper Products Company (The)	Generation Owner
Bruce	Susan	Rep.'g Trustees of the University of Pennsylvania	End-Use 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
Crystle	Gil	UGI Development Company	Generation Owner
Davis	James	Virginia Electric & Power Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Hendrix	Chris	Texas Retail Energy, LLC	Other Supplier
Hoatson	Tom	Rep.'g Renaissance Power & Gas, 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
Hyzinski	Thomas	GenOn Energy Management, LLC	Generation Owner
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 Electric Membership Corporation	Electric Distributor
Johnson	Carl	Rep.'g North Carolina Municipal Power Agency Number 1	Other Supplier
Johnson	Carl	Rep.'g Northern Illinois Municipal Power Agency	Electric Distributor



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
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Litchfield	Matt	CPV Power Holdings, LP	Generation Owner
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Nadel	Steven	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
O'Boyle	Brian	Rockland Electric Company	Transmission Owner
O'Connell	Robert	PPGI Fund A/B Development, LLC.	Generation Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Philips	Marji	Direct Energy Business, LLC	Other Supplier
Poulos	Greg	Rep.'g Consumer Protection and Advocate Division of the Tennessee Attorney General	End-Use Customer
Poulos	Greg	Rep.'g Delaware Division of the Public Advocate	End-Use Customer
Poulos	Greg	Rep.'g Illinois Citizen Utility Board	End-Use Customer
Poulos	Greg	Rep.'g Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	Rep.'g Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Rep.'g Michigan Department of Attorney General, Environment, Natural Resources, & Agriculture Division	End-Use Customer
Poulos	Greg	Rep.'g New Jersey Division of Rate Counsel	End-Use Customer
Poulos	Greg	Rep.'g Office of the Attorney General, Kentucky	End-Use Customer
Poulos	Greg	Rep.'g Office of the People's Counsel for the District of Columbia	End-Use Customer
Poulos	Greg	Rep.'g Ohio Consumers' Counsel	End-Use Customer
Poulos	Greg	Rep.'g Pennsylvania Office of Consumer Advocate	End-Use Customer
Poulos	Greg	Rep.'g Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Rep.'g Virginia Division of Consumer Counsel	End-Use Customer
Poulos	Greg	Rep.'g West Virginia Consumer Advocate Division	End-Use Customer
Prokop	Brenda	ITC Interconnection LLC	Transmission Owner
Rohrbach	John	Rep.'g Kentucky Municipal Energy Agency	Other Supplier



Rohrbach	John	Rep.'g 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
Shah	Pulin	Exelon Business Services Company, LLC	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Vayda	Brian	Rep.'g Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Rep.'g Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Park Ridge, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Wadsworth	Joe	Vitol Inc.	Other Supplier
Whitehead	Jeffrey	Rep.'g Eastern Generation, LLC	Generation Owner
Whitehead	Jeffrey	Rep.'g Essential Power Rock Springs, LLC	Transmission Owner
Whitehead	Jeffrey	Rep.'g Wheelabrator Frackville Energy Co., Inc.	Generation Owner
Wicks	Tonja	Duquesne Light Company	Transmission Owner

## **NON-VOTING PARTICIPANTS**

<b>Last Name</b>	<b>First Name</b>	<b>Company</b>	<b>Sector</b>
Abend	Erik	Erik Abend Consulting	Not Applicable
Adams	Darrin	East Kentucky Power Cooperative	Transmission Owner
Ament	Todd	Cube Hydro Partners LLC	Generation Owner
Bagot	Nancy	The Electric Power Supply Association	Not Applicable
Baidwan	Sandeep	Continuum Associates LLC	Not Applicable
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Bayless	Charles	North Carolina Electric Membership Corporation	Electric Distributor
Bockhorn	Tim	AES Ohio Generation, LLC	Generation Owner
Bowring	Joseph	Monitoring Analytics	Not Applicable
Branch	John	St. Joseph's Energy Center, LLC	Generation Owner
Brooks	Michael	RTO Insider	Not Applicable
Brophy	Richard	New York State Electric And Gas Corporation	Other Supplier



Cadlre	Zoe	American Petroleum Institute	Not Applicable
Campbell	Ronnie	Dominion Energy Generation Marketing, Inc.	Generation Owner
Canter	David	Appalachian Power Company	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Chandler	Kent	Kentucky Office Of The Attorney General	End-Use Customer
Cheng	Visheng	Jane Street Energy Trading, LLC	Other Supplier
Chiang	Roger	Elmagin Power Fund LLC	Other Supplier
Chocarro	Iker	E.ON Climate & Renewables North America Inc.	Generation Owner
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Colbert	Cathleen	NRG Curtailment Solutions, Inc.	Other Supplier
Cox	Phil	Appalachian Power Company	Transmission Owner
Crystle	Gil	UGI Energy Services, LLC	Other Supplier
Dadourian	John	Monitoring Analytics	Not Applicable
D'Alessandris	Lou	FirstEnergy Solutions Corp.	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
Dennis	Jeff	Advanced Energy Economy	Not Applicable
Depillo	Ray	Public Service Electric & Gas Company	Transmission Owner
Diorio	Michelle	Public Service Enterprise Group	Not Applicable
Dillon	Matt	UGI Development Company	Generation Owner
Dinicola	Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dolan	Ryan	American Municipal Power, Inc.	Electric Distributor
Domian	Christin	Duquesne Light Company	Transmission Owner
Duensing	Allison	Saracen Energy East, L.P.	Other Supplier
Ericson	Christine	Illinois Commerce Commission	Not Applicable
Esakkimuthu	Bharathi	Daymark Energy Advisors	Not Applicable
Esposito	Pat	A2A Energy International, LLC	Not Applicable
Fazio	Danielle	Engelhart CTP (US) LLC	Other Supplier
Feierabend	Rick	Dominion Energy Generation Marketing, Inc.	Generation Owner
Feller	John	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Filomena	Guy	Customized Energy Solutions Ltd.*	Not Applicable
Frank	Rainey	PEI Power Corporation	Generation Owner
Gahimer	Mike	OUCC	Not Applicable
Gardner	Michelle	NextEra Energy Transmission MidAtlantic, LLC	Other Supplier

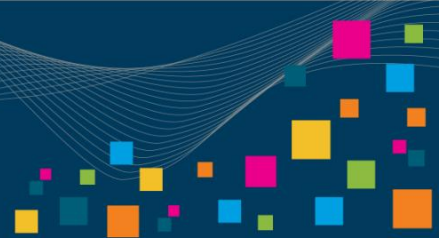


Garza	Mark	FirstEnergy Solution Corp.	Transmission Owner
Gilani	Rehan	Consolidated Edison Energy, Inc	Other Supplier
Gorman	Kevin	The Highlands Energy Group, LLC	Other Supplier
Greco	Steven	Nextera Energy Transmission MidAtlantic, LLC	Other Supplier
Guntle	Vince	UGI Energy Services, LLC	Other Supplier
Hanser	Erik	Michigan Public Service Commission	Not Applicable
Harmon	Mike	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Heinle	Erik	Office of the People's Counsel for the District of Columbia	End-Use Customer
Holdbrook	Ruth	Northern Virginia Electric Cooperative	Electric Distributor
Horning	Lynn	Customized Energy Solutions	Not Applicable
Huang	Jame	Rockland Electric Company	Transmission Owner
Hudis	Gabriella	Gabel & Associates	Not Applicable
Huntoon	Steve	Chesapeake Transmission LLC	Other Supplier
Jacobs	Michael	UCS	Not Applicable
Jagtiani	Patricia	Natural Gas Supply Association	Not Applicable
Jansen	Sunny	MidAmerican Energy Services, LLC	Other Supplier
Jett	William	Duke Energy Business Services, LLC	Transmission Owner
Kaplan	Donald	K&L Gates	Not Applicable
Kim	Jiyeon	Potomac Electric Power Company	Electric Distributor
Knernschild	Jenny	Old Dominion Electric Cooperative	Electric Distributor
Knies	Heather	Elm Power	Not Applicable
Kuo	David	DC Energy, LLC	Other Supplier
Laios	Takis	Appalachian Power Company	Transmission Owner
Lawson	Ryen	Dominion Energy Generation Marketing, Inc.	Generation Owner
Liang-Nicol	Cecilia	FirstEnergy Solutions Corp.	Transmission Owner
Lin	Michael	DC Energy, LLC	Other Supplier
Little	John	Public Staff - North Carolina Utilities Commission	End-Use Customer
Logan	Sharon	Federal Energy Regulatory Commission	Not Applicable
Lowe	Connie	Virginia Electric & Power Company	Transmission Owner
Luu	Sam	Virginia Electric & Power Company	Transmission Owner
Mancuso	Melanie	FirstEnergy Solutions Corp.	Transmission Owner
Marinelli	Richard	Public Service Electric & Gas Company	Transmission Owner
Martin	Valerie	Federal Energy Regulatory Commission	Not Applicable
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
McDonald	Steve	Customized Energy Solutions Ltd.*	Not Applicable





Metzler	Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Moore	Sierra	Interstate Natural Gas Association Of America	Not Applicable
Niedermayer	Cathy	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
Olenick	Cory	Inertia Power I, LLC	Other Supplier
Ondayko	Brock	American Electric Power, Inc.	Electric Distributor
Petrini	Michael	ENGIE Energy Marketing NA, Inc.	Other Supplier
Price	Ruth	Delaware Division Of The Public Advocate	End-Use Customer
Promubol	Jim	Shell Energy North America (US), L.P.	Other Supplier
Rayhorn	Carolyn	Virginia Electric & Power Company	Transmission Owner
Redwine	Arlo	Federal Energy Regulatory Commission	Not Applicable
Robinson	Kathleen	Land O'Lakes, Inc.	End-Use Customer
Robson	Matt	SESCO Enterprises, LLC	Other Supplier
Rutigliano	Tom	NRDC	Not Applicable
Sasser	Jonathan	Customized Energy Solutions. Ltd*	Not Applicable
Schreim	Morris	Maryland Public Service Commission	Not Applicable
Schuster	Brad	XO Energy MA, L.P.	Other Supplier
Segner	Sharon	LS Power	Not Applicable
Shanker	Roy	H.Q. Energy Services (U.S), Inc.	Other Supplier
Shealy	Erin	GDPs Associates	Not Applicable
Smith	Christen	RTO Insider	Not Applicable
Sorber	Eric	UGI Utilities, Inc.	Transmission Owner
Sotkiewicz	Paul	E-Cubed Policy Associates, LLC	Not Applicable
Squibb	Bill	Ohio Valley Electric Corporation	Generation Owner
Stancombe	Corey	Duke Energy Business Services LLC	Transmission Owner
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stewart	Travis	Gabel & Associates	Not Applicable
Stone	Andy	Gabel & Associates	Not Applicable
Sturgeon	Jon	Duke Energy Business Services LLC	Transmission Owner
Suh	Jung	Calpine Energy Solutions, LLC	Other Supplier
Sweeney	Rory	GT Power Group	Not Applicable
Tangirala	Subha	ABB Network Management	Not Applicable
Tanizaki	Saiichiro	Marubeni Power International, Inc.	Generation Owner



Tatum	Ed	American Municipal Power, Inc.	Electric Distributor
Taylor	Robert	Exelon Business Services Company, LLC	Transmission Owner
Theodore	Sharon	Electric Power Supply Association	Not Applicable
Thompson	Matthew	XO Energy MA, L.P.	Other Supplier
Tibbetts	Maeze	Pierce Atwood	Not Applicable
Toomey	Megan	Talen Energy Marketing, LLC	Generation Owner
Tse	Felix	Inertia Power I, LLC	Other Supplier
Turkaly	Joyce	Pioga	Not Applicable
Vargo	Daniel	Allegheny Electric Cooperative	Electric Distributor
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Weaver	David	Exelon Business Services Company, LLC	Transmission Owner
Wilmoth	Emily	Virginia Electric & Power Company	Transmission Owner
Wilson	Bram	PBF Power Marketing, LLC	Generation Owner
Wilson	James	Wilson Energy Economics	Not Applicable
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
Yi	Weili	Energy Authority, Inc. (The)	Other Supplier
Zevin	Avi	Institute For Policy Integrity	Not Applicable
Zhu	Min	Jane Street Energy Trading, LLC	Other Supplier

## **PJM PARTICIPANTS**

<b>Last Name</b>	<b>First Name</b>	<b>Company</b>	<b>Sector</b>
Anders	David	PJM Interconnection, LLC	Not Applicable
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Barrett	Francis	PJM Interconnection, LLC	Not Applicable
Bennett	Stephen	PJM Interconnection, LLC	Not Applicable
Berner	Aaron	PJM Interconnection, LLC	Not Applicable
Bernstein	Matthew	PJM Interconnection, LLC	Not Applicable
Bielak	Donnie	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Bryson	Michael	PJM Interconnection, LLC	Not Applicable
Bryson	Mike	PJM Interconnection, LLC	Not Applicable
Budney	David	PJM Interconnection, LLC	Not Applicable
Burdis	Tim	PJM Interconnection, LLC	Not Applicable



Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Chao	Hungpo	PJM Interconnection, LLC	Not Applicable
Chmielewski	Brian	PJM Interconnection, LLC	Not Applicable
Coyne	Suzanne	PJM Interconnection, LLC	Not Applicable
Croop	Danielle	PJM Interconnection, LLC	Not Applicable
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
Davis	Elizabeth	PJM Interconnection, LLC	Not Applicable
Drauschak	Lisa	PJM Interconnection, LLC	Not Applicable
Duane	Vince	PJM Interconnection, LLC	Not Applicable
Dumitriu	Nicolae	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Fernandez	Ray	PJM Interconnection, LLC	Not Applicable
Fitzpatrick	Brian	PJM Interconnection, LLC	Not Applicable
Foster	Denise	PJM Interconnection, LLC	Not Applicable
Genuario	Gabby	PJM Interconnection, LLC	Not Applicable
Glatz	Suzanne	PJM Interconnection, LLC	Not Applicable
Greening	Michelle	PJM Interconnection, LLC	Not Applicable
Hauske	Thomas	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Herel	Suzanne	PJM Interconnection, LLC	Not Applicable
Holter	Natasha	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Keech	Adam	PJM Interconnection, LLC	Not Applicable
Kern	Jonathan	PJM Interconnection, LLC	Not Applicable
Keshavamurthy	Bhavana	PJM Interconnection, LLC	Not Applicable
Kimmel	David	PJM Interconnection, LLC	Not Applicable
Larocque	Matthew	PJM Interconnection, LLC	Not Applicable
Malladi	Brinda	PJM Interconnection, LLC	Not Applicable
McComb	John	PJM Interconnection, LLC	Not Applicable
McGill	Susan	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McLavery	Megan	PJM Interconnection, LLC	Not Applicable
Monzon	Stephanie	PJM Interconnection, LLC	Not Applicable
Murphy Lee	Lori	PJM Interconnection, LLC	Not Applicable
Nix	Emma	PJM Interconnection, LLC	Not Applicable



O'Brien	Tom	PJM Interconnection, LLC	Not Applicable
O'Hara	Chris	PJM Interconnection, LLC	Not Applicable
Ott	Andrew	PJM Interconnection, LLC	Not Applicable
Patel	Anita	PJM Interconnection, LLC	Not Applicable
Patel	Keyur	PJM Interconnection, LLC	Not Applicable
Pilong	Chris	PJM Interconnection, LLC	Not Applicable
Pilong	Melissa	PJM Interconnection, LLC	Not Applicable
Quevada	Jason	PJM Interconnection, LLC	Not Applicable
Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Seiler	Ken	PJM Interconnection, LLC	Not Applicable
Shields	Jeffrey	PJM Interconnection, LLC	Not Applicable
Shoemaker	Jason	PJM Interconnection, LLC	Not Applicable
Slusser	Jeff	PJM Interconnection, LLC	Not Applicable
Snyder	Sue	PJM Interconnection, LLC	Not Applicable
Souder	David	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Stefanowicz	Vince	PJM Interconnection, LLC	Not Applicable
Swimm	Nora	PJM Interconnection, LLC	Not Applicable
Tacka	Natalie	PJM Interconnection, LLC	Not Applicable
Tribulski	Jennifer	PJM Interconnection, LLC	Not Applicable
Velasco	Cheryl	PJM Interconnection, LLC	Not Applicable
Warshel	Kim	PJM Interconnection, LLC	Not Applicable
Williams	Stanley	PJM Interconnection, LLC	Not Applicable
Xu	Xu	PJM Interconnection, LLC	Not Applicable