

## Markets and Reliability Committee

Webex Only

February 24, 2021

9:00 a.m. – 12:15 p.m.

### Administration

Stu Bresler and Dave Anders welcomed stakeholders and provided the Anti-trust, Code of Conduct, and Meeting Participation announcements.

### Consent Agenda

Items A and B were **approved/endorsed** by acclamation with one objection (item A) and no abstentions:

- A. Minutes of the January 27, 2021 meeting of the Markets and Reliability Committee (MRC).
- B. Proposed revisions to Manual 40: Training and Certification Requirements resulting from the periodic review.

### Endorsements/ Approvals

1. Black Start Unit Testing, CRF, Involuntary Termination, MTSL and Substitution Rules including Existing Resources

Greg Poulos, on behalf of Delaware Division of the Public Advocate, discussed stakeholder process developments regarding this proposal over the period since the last MRC meeting, and withdrew this agenda item.

[Black Start Unit Involuntary Termination & Substitution Rules](#)

- X. Black Start Unit Testing, CRF, Involuntary Termination, MTSL, and Substitution Rules

Susan Bruce, PJM Industrial Customer Coalition, moved and Sharon Midgley, Exelon, seconded a motion to approve a proposed compromise proposal addressing Black Start Unit Involuntary Termination, Substitution Rules, Capital Recovery Factor (CRF) and Minimum Tank Suction Level (MTSL). Following discussion, the committee **approved** the motion in a sector-weighted vote with 3.35 in favor.

[Black Start Unit Involuntary Termination & Substitution Rules](#)

2. Storage as a Transmission Asset (SATA)

Michele Greening provided an overview of the SATA work activities and timeline. Jeffrey Goldberg reviewed the proposed solution package addressing storage as a transmission asset. Pauline Foley reviewed updates to the proposed Tariff and OA revisions made following the first reading of the solution package.

Sharon Segner, LS Power, proposed a posted friendly amendment to the proposed OA revisions. Alex Stern, PSEG, objected to the proposed amendment being considered friendly, and therefore it was not incorporated into the proposal.

Tonja Wicks, Duquesne Light Company, proposed a friendly amendment as follows:

**SATA OA Language 4B:**

A SATA receiving cost-based rate recovery that also receives compensation for market-based rate services during asset charging/discharging ~~will be subject to appropriate market revenue crediting for~~ shall monthly ~~settle net~~ its charge/discharge costs to ensure that such costs are reflected in any future annual transmission revenue requirements, as accepted by FERC, to prevent any potential double recovery of costs.

Marji Philips, LS Power, and Paul Sotkiewicz, Elwood Energy, objected to the proposed amendment being considered friendly, and therefore it was not incorporated into the proposal.

Paul Sotkiewicz, Elwood Energy, moved, and Steve Lieberman, AMP, and John Brodbeck, EDP Renewables, seconded postponing consideration of Storage as a Transmission Asset until conclusion of a phase two to include development of a comprehensive proposal addressing all aspects of incorporation of storage resources into markets, operations and planning. The motion to defer applies to both this agenda item and agenda item 3. The motion to defer **passed** in a sector-weighted vote with 4.33 in favor.

[Issue Tracking: Storage As a Transmission Asset](#)

3. Competitive Exemption OA Revisions for SATA Resources

This agenda item was deferred via the vote taken in agenda item 2.

[Issue Tracking: Storage As a Transmission Asset](#)

## First Readings

4. Transmission Services Transmission Loading Relief (TLR) Buy-Through

Chris Advena reviewed proposed revisions to remove the TLR buy-through congestion process from Schedule 1, Section 1.10.6A of the Operating Agreement. The committee will be asked to endorse the proposed revisions at its next meeting.

5. PJM Manuals

- A. Jeff McLaughlin reviewed proposed revisions to Manual 02: Transmission Service Request resulting from its periodic cover-to-cover review. The committee will be asked to endorse the revisions as its next meeting.
- B. Nikki Militello reviewed proposed revisions to Manual 11: Energy & Ancillary Service Market Operations resulting from its periodic cover-to-cover review. The committee will be asked to endorse the revisions at its next meeting.

- C. Matthew Wharton reviewed proposed revisions to Manual 37: Reliability Coordination resulting from its periodic cover-to-cover review. The committee will be asked to endorse the revisions as its next meeting.

## Informational Reports

### 6. Reliability Assurance Agreement (RAA) Revisions for ELCC

Andrew Levitt and Thomas DeVita provided an update regarding PJM's response to the FERC deficiency notice regarding Effective Load Carrying Capability (ELCC).

### 7. Elgin Energy Center and Kincaid SPS/RAS Retirement

Mohit Singh, ComEd, reviewed the retirement of the Elgin Energy Center and Kincaid Remedial Action Schemes (RAS).

## Future Agenda Items

No new future agenda items were identified.

## Future Meeting Dates

March 24, 2021	9:00 a.m.	WebEx
April 21, 2021	9:00 a.m.	WebEx
May 26, 2021	9:00 a.m.	WebEx
June 23, 2021	9:00 a.m.	WebEx
July 28, 2021	9:00 a.m.	TBD
August 25, 2021	9:00 a.m.	TBD
September 29, 2021	9:00 a.m.	TBD
October 20, 2021	9:00 a.m.	TBD
November 17, 2021	9:00 a.m.	TBD
December 15, 2021	9:00 a.m.	TBD

Author: D. Anders

## Meeting Attendance

### Chair/Secretary

Last Name	First Name	Company	Sector
Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Anders	David	PJM Interconnection, LLC	Not Applicable

### Voting Attendees

Last Name	First Name	Company Name	Sector
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. 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. Recurrent Energy, 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-Use Customer
Bruce	Susan	Rep'g. Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Rep'g. Gerdau Ameristeel Energy, Inc.	End-Use Customer
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. Messer LLC	End-Use Customer
Bruce	Susan	Rep'g. Praxair, Inc.	End-Use Customer
Bruce	Susan	Rep'g. Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Rep'g. Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Rep'g. Wellsboro Electric Company	Electric Distributor
Campbell	Bruce	MidAtlantic Power Partners, LLC	Other Supplier
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chintapalli	Raj	BP Energy Company	Other Supplier
Davis	James	Virginia Electric & Power Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Ford	Adrien	Tangent Energy Solutions, Inc.	Other Supplier
Fuess	Christian	Rep'g. Diamond State Generation Partners, LLC	Generation Owner
Fuess	Christian	Rep'g. Icetec.com, Inc.	Other Supplier
Fuess	Christian	Rep'g. Kuehne Chemical Company, Inc.	End-Use Customer
Fuess	Christian	Rep'g. NextPower III US Holdco Inc.	Generation Owner
Fuess	Christian	Rep'g. PBF Power Marketing, LLC	Generation Owner
Hastings	David	Northstar Trading Ltd.	Other Supplier
Hastings	David	Rep'g. Saracen Energy East LP	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. Tenaska Power Services Co.	Generation Owner
Hoatson	Tom	Rep'g. Anbaric Development Partners, LLC	Other Supplier
Hoatson	Tom	Rep'g. Riverside Generating Company, L.L.C.	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski	Thomas	Rep'g. Carroll County Energy LLC	Generation Owner
Hyzinski	Thomas	Rep'g. Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	Rep'g. GenOn Energy Management, LLC	Generation Owner
Islam	Lubaba	Rockland Electric Company	Transmission Owner
Jardot	Gina	NRG Power Marketing, LLC	Generation Owner
Jett	William	Duke Energy Business Services LLC	Transmission 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	Electric Distributor
Johnson	Carl	Rep'g. Madison Gas & Electric Co.	Other Supplier
Johnson	Carl	Rep'g. Michigan Public Power Agency	Generation Owner
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 Renewable Trading and Marketing LP	Other Supplier
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kogut	George	New York Power Authority	Other Supplier
Laios	Takis	Appalachian Power Company	Transmission Owner
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Martin	Aaron	CMS Energy Resource Management Company	Other Supplier
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	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
Rohrbach	John	Rep'g. Big Savage, LLC	Generation Owner
Rohrbach	John	Rep'g. Kentucky Municipal Energy Agency	Electric Distributor
Rohrbach	John	Rep'g. Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohrbach	John	Rep'g. Wabash Valley Power Association, Inc.	Electric Distributor
Rooney	Alexa	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stewart	Travis	Energy Harbor LLC	Generation Owner
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	Rep'g. Vineland Municipal Electric Utility	Electric Distributor
Whitehead	Jeffrey	Rep'g. Eastern Generation, LLC	Generation Owner
Whitehead	Jeffrey	Rep'g. Essential Power Rock Springs, LLC	Generation Owner
Whitehead	Jeffrey	Rep'g. Neptune Regional Transmission System, LLC	Transmission Owner
Whitehead	Jeffrey	Rep'g. Wheelabrator Falls Inc.	Generation Owner
Wicks	Tonja	Duquesne Light Company	Transmission Owner

### Non-Voting Attendees

Last Name	First Name	Company Name	Sector
Abend	Erik	EA Consulting	Not Applicable
Adams	Darrin	East Kentucky Power Cooperative, Inc.	Transmission Owner

Bainbridge	Tom	American Transmission Systems, Inc.	Transmission Owner
Berton	Tyler	Appalachian Power Company	Transmission Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Bloom	David	Baltimore Gas and Electric Company	Transmission Owner
Bowring	Joe	Monitoring Analytics	Not Applicable
Boyle	Steve	Merion Energy	Not Applicable
Burbure	Stacey	Appalachian Power Company	Transmission Owner
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canter	David	Appalachian Power Company	Transmission Owner
Carado	Regina	Exelon Business Services Company, LLC	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Cerchio	Jerry	Monitoring Analytics	Not Applicable
Coco	Micheal	Old Dominion Electric Cooperative	Electric Distributor
Cosby	Chis	Old Dominion Electric Cooperative	Electric Distributor
Dadourian	John	Monitoring Analytics	Not Applicable
D'Alessandris	Lou	American Transmission Systems, Inc.	Transmission Owner
Davis	Jim	Virginia Electric & Power Company	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Elkins	Rachel	American Transmission Systems, Inc.	Transmission Owner
Engleman	Michael	LS Power	Not Applicable
Everngam	Scott	Blue Horseshoe Energy	Not Applicable
Filomena	Guy	Customized Energy Solutions Ltd.	Not Applicable
Fishback	Luke	Affirmed Energy LLC	Other Supplier
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Foster	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ftich	Neal	NRG Power Marketing, LLC	Generation Owner
Fuerst	Gary	Energy Harbor LLC	Generation Owner
Gahimer	Mike	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Gates	Terry	Appalachian Power Company	Transmission Owner
Gebolys	Debbie	Public Utilities Commission Of Ohio	Not Applicable
Gilani	Rehan	Consolidated Edison Energy, Inc.	Other Supplier
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Grieve	Andrew	Pine Gate Renewables	Not Applicable
Grooms	Craig	Buckeye Power, Inc.	Electric Distributor
Guntle	Vince	American Municipal Power, Inc.	Electric Distributor
Hanser	Erik	Michigan Public Service Commission	Not Applicable
Heinle	Erik	Office of the People's Counsel for the District of Columbia	End-Use Customer
Heisey	Bradley	Tenaska Power Services Co.	Generation Owner
Heitmeyer	Chad	Appalachian Power Company	Transmission Owner
Holdbrook	Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Hollis	Gabriel	NextEra Energy Marketing, LLC	Other Supplier
Horning	Lynn	Customized Energy Solutions Ltd.	Not Applicable
Hudson	Wesley	Dominion Virginia Power	Not Applicable
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Huntoon	Stephen	Chesapeake Transmission LLC	Other Supplier
Iler	Art	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Jens	Tom	Black Oak Capital, LLC	Other Supplier
Jett	William	Duke Energy Business Services LLC	Transmission Owner
Johnson	Ryan	Appalachian Power Company	Transmission Owner
Johnston	David	Indiana Utility Regulatory Commission	Not Applicable
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kerecman	Joe	Calpine Energy Services, L.P.	Generation Owner
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kozhuharov	Dimitar	Delaware Public Service Commission	Not Applicable
Lawson	Ryen	Dominion Energy Generation Marketing, Inc.	Generation Owner
Liang-Nicol	Cecilia	FirstEnergy Corp.	Not Applicable
Little	John	Public Staff - North Carolina Utilities Commissio	End-Use Customer
Markiewicz	Cynthia	American Transmission Systems, Inc.	Transmission Owner
Martin	Valerie	The Federal Energy Regulatory Commission	Not Applicable
Matheson	Eric	Pennsylvania Public Utility Commission	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miles	Morenike	Dominion Virginia Power	Not Applicable

Monn	Alex	MISO (Midcontinent Independent System Operator)	Not Applicable
Nadel	Steven	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Newman	John	Fluence Energy, LLC	Not Applicable
Nix	Emma	Gabel Associates	Not Applicable
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
Okenfuss	James	Savion, LC	Not Applicable
Olinger	Robert	Gen Ops, LLC	Other Supplier
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Patel	Anjali	Office of the People's Counsel for the District of Columbia	End-Use Customer
Patel	Rishad	Vistra Energy Corporation	Not Applicable
Peoples	John	Duquesne Light Company	Transmission Owner
Philips	Marji	LS Power	Not Applicable
Pizzutelli	Ashley	FirstEnergy Corp.	Not Applicable
Price	Ruth	Delaware Division Of The Public Advocate	End-Use Customer
Procutiar	Jason	Buckeye Power, Inc.	Electric Distributor
Rainey	Frank	PEI Power LLC	Generation Owner
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Robinson	Paul	The Federal Energy Regulatory Commission	Not Applicable
Rumsey	Amanda	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions Ltd.	Not Applicable
Schisler	Kenneth	C Power	Not Applicable
Schreim	Morris	Maryland Public Service Commission	Not Applicable
Segner	Sharon	Silver Run Electric, LLC	Transmission Owner
Seireg	Bahaa	Rockland Electric Company	Transmission Owner
Shah	Pulin	Exelon Business Services Company, LLC	Transmission Owner
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Shegarfi	Roosbeh	Exelon Business Services Company, LLC	Transmission Owner
Sozkiewicz	Paul	J-Power USA Generation LP	Not Applicable
Squibb	Bill	Ohio Valley Electric Corporation	Transmission Owner
Stewart	Travis	Gabel Associates	Not Applicable
Stone	Andy	Gabel Associates	Not Applicable
Stupar	Rob	Invenergy, LLC	Generation Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Switzer	Christina	LS Power	Not Applicable
Tatum	Ed	American Municipal Power, Inc.	Electric Distributor
Taylor	Robert	Exelon Business Services Company, LLC	Transmission Owner
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Thomas	Sharon	The Energy Storage Association	Not Applicable
Thundiylil	Kevin	Exelon Business Services Company, LLC	Transmission Owner
Tibbetts	Maeve	Pierce Atwood	Not Applicable
Tynes	Lisa	FirstEnergy Corp.	Not Applicable
Vargo	Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Warren	Wendy	Wright & Talisman, P.C.	Not Applicable
White	Brett	Hyne Gate Renewables	Not Applicable
Yoder	Michael	RTO Insider	Not Applicable
Zemanek	Kevin	Buckeye Power, Inc.	Electric Distributor

## PJM Attendees

Last Name	First Name	Company Name	Sector
Advena	Chris	PJM Interconnection, LLC	Not Applicable
Almgren	Ake	PJM Interconnection, LLC	Not Applicable
Asthana	Manu	PJM Interconnection, LLC	Not Applicable
Bautista	Alejandro	PJM Interconnection, LLC	Not Applicable
Berner	Aaron	PJM Interconnection, LLC	Not Applicable
Bernstein	Matthew	PJM Interconnection, LLC	Not Applicable
Bloczynski	Nigeria	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Bryson	Michael	PJM Interconnection, LLC	Not Applicable
Buehler	Susan	PJM Interconnection, LLC	Not Applicable

Burdis	Tim	PJM Interconnection, LLC	Not Applicable
Burlew	Jim	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable
Curley	Maureen	PJM Interconnection, LLC	Not Applicable
Davis	Becky	PJM Interconnection, LLC	Not Applicable
Devita	Thomas	PJM Interconnection, LLC	Not Applicable
Drauschak	Lisa	PJM Interconnection, LLC	Not Applicable
Dumitriu	Nick	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Fitzpatrick	Brian	PJM Interconnection, LLC	Not Applicable
Foley	Pauline	PJM Interconnection, LLC	Not Applicable
Foster	Neil	PJM Interconnection, LLC	Not Applicable
Franks	Chris	PJM Interconnection, LLC	Not Applicable
Glatz	Suzanne	PJM Interconnection, LLC	Not Applicable
Glazer	Craig	PJM Interconnection, LLC	Not Applicable
Goldberg	Jeffrey	PJM Interconnection, LLC	Not Applicable
Greening	Michele	PJM Interconnection, LLC	Not Applicable
Guistwhite	Jeff	PJM Interconnection, LLC	Not Applicable
Haque	Asim	PJM Interconnection, LLC	Not Applicable
Hauske	Thomas	PJM Interconnection, LLC	Not Applicable
Hilsop	David	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
Langbein	Peter	PJM Interconnection, LLC	Not Applicable
Levitt	Andrew	PJM Interconnection, LLC	Not Applicable
Lu	Chen	PJM Interconnection, LLC	Not Applicable
Lynch	Jessica	PJM Interconnection, LLC	Not Applicable
Mcelwaine	Kathy	PJM Interconnection, LLC	Not Applicable
Mcglynn	Paul	PJM Interconnection, LLC	Not Applicable
McLaughlin	Jeffrey	PJM Interconnection, LLC	Not Applicable
McLavery	Megan	PJM Interconnection, LLC	Not Applicable
Militello	Nicole	PJM Interconnection, LLC	Not Applicable
Morelli	Lisa	PJM Interconnection, LLC	Not Applicable
O'Hara	Chris	PJM Interconnection, LLC	Not Applicable
Pacella	Chris	PJM Interconnection, LLC	Not Applicable
Phillips	Darlene	PJM Interconnection, LLC	Not Applicable
Pincus	Steve	PJM Interconnection, LLC	Not Applicable
Robinson	Evelyn	PJM Interconnection, LLC	Not Applicable
Salmon	Lisa	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Seiler	Ken	PJM Interconnection, LLC	Not Applicable
Shields	Jeff	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Souder	Dave	PJM Interconnection, LLC	Not Applicable
Souder	Richard	PJM Interconnection, LLC	Not Applicable
Strella	Lauren	PJM Interconnection, LLC	Not Applicable
Swimm	Nora	PJM Interconnection, LLC	Not Applicable
Thomas	Jack	PJM Interconnection, LLC	Not Applicable
Tribulski	Jennifer	PJM Interconnection, LLC	Not Applicable
Walter	Laura	PJM Interconnection, LLC	Not Applicable
Wharton	Matthew	PJM Interconnection, LLC	Not Applicable