

Markets & Reliability Committee
Webex Only
October 20, 2021

Administration

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

Consent Agenda

Items A through E were **approved/endorsed** by acclamation with no objections and one abstention (item C):

- A. Minutes of the September 29, 2021 meeting of the Markets and Reliability Committee (MRC).
- B. The 2021 Reserve Requirement Study results (IRM, FPR).
- C. Proposed updates addressing behind the meter generation business rules on status changes and corresponding Manual and Tariff revisions.
- D. Proposed revisions in Manual 15: Cost Development Guidelines, the Operating Agreement, and the Tariff to address incremental and no load energy offers.
- E. Proposed solution and Manual revisions to address the calculation of the EE Addback.
[Issue Tracking: Energy Efficiency Addback](#)

Endorsements

1. Resource Adequacy Senior Task Force Charter

Dave Anders reviewed a proposed Charter addressing resource adequacy topics discussed in the Capacity Workshops. Following discussion, the proposed Charter was **approved** by acclamation with three objections and no abstentions.

2. Reserved

3. Undefined Regulation Mileage Ratio Calculation

- A. Michael Olaleye reviewed the PJM proposal (the main motion) addressing the undefined regulation mileage ratio calculation.
- B. Adrien Ford, ODEC, moved and David Scarpignato, Calpine, seconded the IMM proposal as the first alternate motion.

Following discussion, the main motion **failed** in a sector-weighted vote with 2.12 in favor. The alternate motion also **failed** in a sector-weighted vote with 3.07 in favor.

[Issue Tracking: Undefined Regulation Mileage Ratio Calculation](#)

4. ARR/FTR Market Task Force Update

- A. Brian Chmielewski provided an overview of the PJM/Joint Stakeholder proposal.
- B. Erik Heinle, DC OPC, moved, and Adrien Ford, ODEC, seconded the DC OPC Proposal as the first alternative motion.
- C. Greg Poulos, on behalf of New Jersey Division of the Rate Counsel, moved, and Susan Bruce, on behalf of Linde, seconded the IMM Proposal as the second alternative Motion.

Following discussion, the main motion **failed** in a sector-weighted vote with 3.16 in favor. The first alternate motion also **failed** in a sector-weighted vote with 3.28 in favor. The second alternate motion also **failed** in a sector-weighted vote with 1.33 in favor. Adrien Ford, ODEC moved and Noha Sidhom, Viribus Fund, seconded the main motion for reconsideration. Following discussion, the motion was **approved** in a sector-weighted vote with 3.74 in favor.

[Issue Tracking: ARR/FTR Market Review](#)

5. Max Emergency Revisions

Chris Pilog reviewed proposed revisions to Manual 13: Emergency Operations addressing Max Emergency. In response to stakeholder questions, he committed to providing additional implementation details at the Operating Committee and documented prior to the November MRC meeting. The committee was asked to endorse the proposed revisions upon first read; there were no objections. Following discussion, the proposed manual revisions were **endorsed** by acclamation with no objections and ten abstentions.

First Readings

6. Day Ahead Schedule Reserve (DASR) Update

David Kimmel reviewed proposed changes to the 2022 Day Ahead Scheduling Reserve requirement. The committee will be asked to endorse the 2022 DASR requirement at its next meeting.

7. Sunset of the Carbon Pricing Senior Task Force

Eric Hsia reviewed a recommendation to sunset the Carbon Pricing Senior Task Force (CPSTF). The committee will be asked to endorse sunsetting the CPSTF at its next meeting.

8. Sunset of the High Voltage Direct Current Senior Task Force

Carl Johnson, PJM Public Power Coalition on behalf of American Municipal Power, reviewed a proposal to sunset the High Voltage Direct Current Senior Task Force (HVDCSTF). The committee will be asked to endorse the motion to sunset the HVDCSTF at its next meeting.

9. Transparency Forum

Greg Poulos, on behalf of the New Jersey Division of the Rate Counsel, reviewed a proposed Charter for the creation of a new Transparency Forum. Following discussion, he resolved to have a second first read of the proposed Charter at the committee's next meeting.

10. PJM Manuals

- A. Chris Moran reviewed proposed revisions to Manual 01 Attachment F: Control Center and Data Exchange Requirements (MOC Remote Operations) related to Exceptional Circumstances outside of COVID-19. The committee will be asked to endorse the proposed revisions at its next meeting.
- B. Lagy Mathew reviewed proposed revisions to Manual 3: Transmission Operations resulting from its periodic review. The committee will be asked to endorse the proposed revisions at its next meeting.
- C. Brian Oakes reviewed proposed revisions to Manual 13: Emergency Operations resulting from its periodic review. The committee will be asked to endorse the proposed revisions at its next meeting.
- D. Joseph Hay reviewed proposed revisions to Manual 14F: Competitive Planning Process addressing changes to the proposal fee structure to conform to the PJM Operating Agreement. The committee will be asked to endorse the proposed revisions at its next meeting.
- E. Johns Reynolds reviewed proposed revisions to Manual 19: Load Forecasting and Analysis resulting from its biennial review. The committee will be asked to endorse the proposed revisions at its next meeting.

Future Agenda Items

No new future agenda items were identified.

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location		
November 17, 2021	9:00 a.m.	WebEx	November 5, 2021	November 10, 2021
December 15, 2021	9:00 a.m.	WebEx	December 3, 2021	December 8, 2021

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	Sector
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier

Borgatti	Michael	Rep'g. Energy Harbor LLC	Generation Owner
Borgatti	Michael	Rep'g. NextEra Energy Marketing, LLC	Other Supplier
Borgatti	Michael	Rep'g. Moxie Freedom LLC	Generation Owner
Borgatti	Michael	Rep'g. Longview Power, LLC	Generation Owner
Borgatti	Michael	Rep'g. Hazleton Generation LLC	Generation Owner
Borgatti	Michael	Rep'g. York County Solid Waste and Refuse Authority	Generation Owner
Borgatti	Michael	Rep'g. Recurrent Energy, LLC	Other Supplier
Borgatti	Michael	Rep'g. Newark Energy Center, LLC	Generation Owner
Borgatti	Michael	Rep'g. Leeward Asset Management, LLC	Generation Owner
Borgatti	Michael	Rep'g. Jersey Green Energy, LLC	Other Supplier
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruce	Susan	Rep'g. Wellsboro Electric Company	Electric Distributor
Bruce	Susan	Rep'g. Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Rep'g. Messer LLC	End-Use Customer
Bruce	Susan	Rep'g. Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Rep'g. Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep'g. Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Rep'g. Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Rep'g. Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Rep'g. MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Rep'g. Linde Inc.	End-Use Customer
Bruce	Susan	Rep'g. Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Rep'g. Air Products & Chemicals, Inc.	End-Use Customer
Bruce	Susan	Rep'g. Gerdau Ameristeel Energy, Inc.	End-Use Customer
Canter	David	Appalachian Power Company	Transmission Owner
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chu	Michael	Forest Investment Group, LLC	Other Supplier
Davis	James	Virginia Electric & Power Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fazio	Danielle	Engelhart CTP (US) LLC	Other Supplier
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess	Christian	Rep'g. Diamond State Generation Partners, LLC	Generation Owner
Fuess	Christian	Rep'g. Kuehne Chemical Company, Inc.	End-Use Customer
Fuess	Christian	Rep'g. Icetec.com, Inc.	Other Supplier
Fuess	Christian	Rep'g. PBF Power Marketing, LLC	End-Use Customer
Fuess	Christian	Rep'g. NextPower III US Holdco Inc.	Generation Owner
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Gorman	Kevin	The Highlands Energy Group, LLC	Other Supplier
Hastings	David	Rep'g. SESCO Enterprises, LLC	Other Supplier
Hastings	David	Rep'g. Saracen Energy East LP	Other Supplier
Hastings	David	Rep'g. Northstar Trading Ltd.	Other Supplier
Hepplewhite	Peter	Wrigley Capital LLC	Other Supplier
Hoatson	Tom	Riverside Generating Company, L.L.C.	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski	Thomas	Rep'g. Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	Rep'g. Carroll County Energy LLC	Generation Owner
Hyzinski	Thomas	Rep'g. GenOn Energy Management, LLC	Generation Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	NRG Power Marketing, LLC	Generation Owner
Jett	William	Duke Energy Business Services LLC	Transmission Owner
Johnson	Carl	Rep'g. Easton Utilities Commission	Electric Distributor
Johnson	Carl	Rep'g. Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Rep'g. Indiana Municipal Power Agency	Electric Distributor
Johnson	Carl	Rep'g. North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Rep'g. Michigan Public Power Agency	Electric Distributor
Johnson	Carl	Rep'g. Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Rep'g. Borough of Mont Alto, Pennsylvania	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

Johnson	Carl	Rep'g. Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Rep'g. Borough of Chambersburg	Electric Distributor
Johnson	Carl	Rep'g. Galt Power, Inc.	Other Supplier
Johnson	Carl	Rep'g. Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Rep'g. Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Rep'g. Northern Illinois Municipal Power Agency	Electric Distributor
Johnson	Carl	Rep'g. Allegheny Electric Cooperative, Inc.	Electric Distributor
Johnson	Carl	Rep'g. Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Rep'g. American Municipal 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. Hagerstown Light Department	Electric Distributor
Johnson	Carl	Rep'g. Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Rep'g. North Carolina Municipal Power Agency Number 1	Other Supplier
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Li	Grace	Altro Power LLC	Other Supplier
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Peoples	John	Duquesne Light Company	Transmission Owner
Poulos	Greg	Rep'g. Michigan Department of Attorney General, Environment, Natural Resources, & Agriculture Division	End-Use Customer
Poulos	Greg	Rep'g. Public Staff - North Carolina Utilities Commission	End-Use Customer
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. Office of the People's Counsel for the District of Columbia	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
Poulos	Greg	Rep'g. Office of the Attorney General, Kentucky	End-Use Customer
Poulos	Greg	Rep'g. Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	Rep'g. Ohio Consumers' Counsel	End-Use Customer
Poulos	Greg	Rep'g. New Jersey Division of Rate Counsel	End-Use Customer
Poulos	Greg	Rep'g. Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Rep'g. Pennsylvania Office of Consumer Advocate	End-Use Customer
Rohrbach	John	Rep'g. Kentucky Municipal Energy Agency	Electric Distributor
Rohrbach	John	Rep'g. Big Savage, LLC	Generation Owner
Rohrbach	John	Rep'g. Wabash Valley Power Association, Inc.	Electric Distributor
Rohrbach	John	Rep'g. Southern Maryland Electric Cooperative, 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
Seireg	Bahaa	Rockland Electric Company	Transmission Owner
Sidhom	Noha	Rep'g. Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Sidhom	Noha	Rep'g. Strom Power, LLC	Other Supplier
Sidhom	Noha	Rep'g. Viribus Fund LP	Other Supplier
Skucas	Ruta	Rep'g. MAG Energy Solutions, Inc.	Other Supplier
Skucas	Ruta	Rep'g. Monterey MA LLC	Other Supplier
Skucas	Ruta	Rep'g. Precept Power LLC	Other Supplier
Skucas	Ruta	Rep'g. Pure Energy, Inc.	Other Supplier
Skucas	Ruta	Rep'g. Red Wolf TX2, LLC	Other Supplier
Skucas	Ruta	Rep'g. Velocity American Energy Master I, L.P.	Other Supplier
Skucas	Ruta	Rep'g. Ames Energy, LLC	Other Supplier
Skucas	Ruta	Rep'g. Taller Cube, LLC	Other Supplier
Skucas	Ruta	Rep'g. Hexis Energy Trading, LLC	Other Supplier
Skucas	Ruta	Rep'g. Greene Energy NE LLC	Other Supplier
Skucas	Ruta	Rep'g. Boston Energy Group, Inc.	Other Supplier
Skucas	Ruta	Rep'g. BJ Energy, LLC	Other Supplier
Skucas	Ruta	Rep'g. XO Energy MA, L.P.	Other Supplier
Skucas	Ruta	Rep'g. Big Bend Trading, LLC	Other Supplier

Skucas	Ruta	Rep'g. Alphataraxia Palladium LLC	Other Supplier
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Toomey	Megan	Talen Energy Marketing, LLC	Generation Owner
Wadsworth	Joe	Vitol Inc.	Generation Owner
Whitehead	Jeffrey	Rep'g. Essential Power Rock Springs, LLC	Generation Owner
Whitehead	Jeffrey	Rep'g. Eastern Generation, LLC	Generation Owner
Whitehead	Jeffrey	Rep'g. Wheelabrator Falls Inc.	Generation Owner
Whitehead	Jeffrey	Rep'g. Neptune Regional Transmission System, LLC	Transmission Owner

Non-Voting Attendees

Last Name	First Name	Company	Sector
Anderson	Jared	Platts	None
Berton	Tyler	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Bickerstaff	Dean	Talen Energy Marketing, LLC	Generation Owner
Boling	Andrew	Saracen Energy East LP	Other Supplier
Bowring	Joe	Monitoring Analytics	None
Brady	George	Ohio Valley Electric Corporation	Transmission Owner
Bumham	Kat	Advanced Energy Economy Inc.	None
Callen	Zachary	Illinois Commerce Commission	None
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Carmean	Gregory	Organization of PJM States, Inc. (OPSI)	None
Carrier	Ron	Big Lake Consulting	None
Christopher	Mahila	Public Utilities Commission Of Ohio	None
Clark	Barrett	DC Energy, LLC	Other Supplier
Coyle	William	Dominion Energy Generation Marketing, Inc.	Generation Owner
D'Alessandris	Lou	Energy Harbor LLC	Generation Owner
DeLosa	Joseph	New Jersey Board Of Public Utilities	None
Dennis	Jeff	Advanced Energy Economy	None
Domian	Christin	Duquesne Light Company	Transmission Owner
Dossin	Sophia	Invenergy Energy Management LLC	Generation Owner
Duensing	Allison	Saracen Energy East LP	Other Supplier
Eacker	Katie	Tenaska Power Management, LLC	Other Supplier
Evvard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Feller	John	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Fishback	Luke	Affirmed Energy LLC	Other Supplier
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Gates	Terry	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Gilani	Rehan	Consolidated Edison Energy, Inc.	Other Supplier
Good	Megan	Pennsylvania Public Utility Commission	None
Grau	Patrick	Apogee Energy Trading LLC	Other Supplier
Greiner	Gary	Public Service Electric & Gas Company	Transmission Owner
Haas	Howard	Monitoring Analytics	None
Hehir	Flannan	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Heinle	Frederick	Office of the People's Counsel for the District of Columbia	End-Use Customer
Herbert	Sebastian	DC Energy Mid-Atlantic, LLC	Other Supplier
Hicks	David	Perast Fund LP	Other Supplier
Holstein	Matthew	Duke Energy Carolinas, LLC	Other Supplier
Homing	Lynn	Customized Energy Solutions, Ltd.*	None
Hudis	Gabriella	Gabel Associates	None
Huntoon	Steve	Chesapeake Transmission LLC	Other Supplier
Iler	Arthur	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Johnston	Luke	DC Energy, LLC	Other Supplier
Johnston	David	Indiana Utility Regulatory Commission	None
Kalle	Ibrahima	Tibiri Energy Group	None
Kazerooni	Hamid	Invenergy, LLC	Generation Owner
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Klein	Abram	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier

Kogut	George	New York Power Authority	Other Supplier
Kothakapu	Rakesh	Illinois Municipal Electric Agency	Electric Distributor
Kozhuharov	Dimitar	Delaware Public Service Commission	None
Laios	Takis	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Lauterbach	Victoria	Wright & Talisman	None
Leasure	Jill	Keystone-Conemaugh Projects, LLC	Other Supplier
Liang-Nicol	Cecilia	Energy Harbor LLC	Generation Owner
Libbos	Robin	Energy Harbor LLC	Generation Owner
Martin	Valerie	Federal Energy Regulatory Commission	None
McArdle	Brian	NextEra Energy Marketing, LLC	Other Supplier
McNeil	Justin	Kentucky Public Service Commission	None
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller	John	Commonwealth Edison Company	Transmission Owner
Mooney	Jeff	Energy Harbor LLC	Generation Owner
Muller	Hannah	Clearway Energy	None
Murphy	Shaun	Urban Grid Solar Projects, LLC	Other Supplier
Nadel	Steven	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Nix	Emma	Gabel Associates	None
Olinger	Robert	Gen Ops, LLC	Other Supplier
Ondayko	Brock A.	AEP Energy Partners, Inc.	Transmission Owner
Powers	Sean	Messer Energy Services, Inc.	End-Use Customer
Price	Mark	DC Energy, LLC	Other Supplier
Price	Ruth	Delaware Division of the Public Advocate	End-Use Customer
Procutniar	Jason	Buckeye Power, Inc.	Electric Distributor
Rahimi	Farrokh	OATI	None
Rainey	Frank	PEI Power LLC	Generation Owner
Ramsey	James	Perast Fund LP	Other Supplier
Redwine	Arlo	Federal Energy Regulatory Commission	None
Robinson	Becky	Vistra Corporation	None
Rodriguez	Tomas	Organization of PJM States, Inc. (OPSI)	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	None
Schaufel	Blake	Mercuria Energy America, LLC	Other Supplier
Schreim	Morris	Maryland Public Services Commission	None
Segner	Sharon	Silver Run Electric, LLC	Transmission Owner
Shah	Pulin	Exelon Business Services Company, LLC	Transmission Owner
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Siegner	Katie	RMI	None
Solomon	Greg	NextEra Energy Marketing, LLC	Other Supplier
Sothkiewicz	Paul	E-Cubed Policy Advisors	None
Squibb	William	Ohio Valley Electric Corporation	Transmission Owner
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	Gabel Associates	None
Stuchell	Jeff	Energy Harbor LLC	Generation Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Suh	Jung	Calpine Energy Services, L.P.	Generation Owner
Sweeney	Rory	GT Power Group, LLC	None
Taylor	Robert	Exelon Business Services Company, LLC	Transmission Owner
Theodore	Sharon	Electric Power Supply Association	None
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Tibbetts	Maeve	K & L Gates	None
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wehnes	Kathleen	Maryland Department of the Environment	None
Wynder	Michael	Nodal Exchange	None
Yoder	Michael	RTO Insider	None
Zhang	Wen	Enverus	None

PJM Attendees

Last Name	First Name	Company	Sector
Anders	David	PJM Interconnection, LLC	None
Antonelli	Diane	PJM Interconnection, LLC	None

Asthana	Manu	PJM Interconnection, LLC	None
Baizman	Aaron	PJM Interconnection, LLC	None
Bastian	Jeff	PJM Interconnection, LLC	None
Bennett	Stephen	PJM Interconnection, LLC	None
Berner	Aaron	PJM Interconnection, LLC	None
Bernstein	Matt	PJM Interconnection, LLC	None
Bloczynski	Nigeria	PJM Interconnection, LLC	None
Boyle	Glen	PJM Interconnection, LLC	None
Bresler	Stu	PJM Interconnection, LLC	None
Bruno	Patrick	PJM Interconnection, LLC	None
Bryson	Mike	PJM Interconnection, LLC	None
Buehler	Susan	PJM Interconnection, LLC	None
Carroll	Rebecca	PJM Interconnection, LLC	None
Caven	Augustine	PJM Interconnection, LLC	None
Chmielewski	Brian	PJM Interconnection, LLC	None
Croop	Danielle	PJM Interconnection, LLC	None
D'Antonio	Phil	PJM Interconnection, LLC	None
Dent	Duane	PJM Interconnection, LLC	None
DeVita	Thomas	PJM Interconnection, LLC	None
Drauschak	Lisa	PJM Interconnection, LLC	None
Dumitriu	Nicolae	PJM Interconnection, LLC	None
Egan	Amanda	PJM Interconnection, LLC	None
Endress	Eric	PJM Interconnection, LLC	None
Esterly	Theresa	PJM Interconnection, LLC	None
Fabiano	Janell	PJM Interconnection, LLC	None
Falin	Tom	PJM Interconnection, LLC	None
Farhat	Michelle	PJM Interconnection, LLC	None
Fereshetian	Damon	PJM Interconnection, LLC	None
Fitzpatrick	Brian	PJM Interconnection, LLC	None
Foley	Pauline	PJM Interconnection, LLC	None
Foley	Sheila	PJM Interconnection, LLC	None
Glatz	Suzanne	PJM Interconnection, LLC	None
Glazer	Craig	PJM Interconnection, LLC	None
Graf	Walter	PJM Interconnection, LLC	None
Greening	Michele	PJM Interconnection, LLC	None
Haque	Asim	PJM Interconnection, LLC	None
Hartung	Shanna	PJM Interconnection, LLC	None
Hauske	Tom	PJM Interconnection, LLC	None
Hay	Joseph	PJM Interconnection, LLC	None
Heater	Megan	PJM Interconnection, LLC	None
Herman	Michael	PJM Interconnection, LLC	None
Hicks	Colleen	PJM Interconnection, LLC	None
Horger	Tim	PJM Interconnection, LLC	None
Hsia	Eric	PJM Interconnection, LLC	None
Keech	Adam	PJM Interconnection, LLC	None
Kelly	Gwen	PJM Interconnection, LLC	None
Kimmel	David	PJM Interconnection, LLC	None
Lai	Erin	PJM Interconnection, LLC	None
Lambert	Andrew	PJM Interconnection, LLC	None
Levitt	Andrew	PJM Interconnection, LLC	None
Lockwood	Daniel	PJM Interconnection, LLC	None
Loebl	Margaret	PJM Interconnection, LLC	None
Lu	Chen	PJM Interconnection, LLC	None
Mathew	Lagy	PJM Interconnection, LLC	None
McElwaine	Kathleen	PJM Interconnection, LLC	None
McGlynn	Paul	PJM Interconnection, LLC	None
McGovern	Jason	PJM Interconnection, LLC	None
McLaverly	Megan	PJM Interconnection, LLC	None
Militello	Nicole	PJM Interconnection, LLC	None
Moran	Chris	PJM Interconnection, LLC	None
Muhl	Nancy	PJM Interconnection, LLC	None
Oakes	Brian	PJM Interconnection, LLC	None

O'Brien	Tom	PJM Interconnection, LLC	None
O'Hara	Chris	PJM Interconnection, LLC	None
Olaleye	Michael	PJM Interconnection, LLC	None
Pilong	Chris	PJM Interconnection, LLC	None
Pincus	Steve	PJM Interconnection, LLC	None
Reynolds	John	PJM Interconnection, LLC	None
Robinson	Charles	PJM Interconnection, LLC	None
Rocha-Garrido	Patricio	PJM Interconnection, LLC	None
Salmon	Lisa	PJM Interconnection, LLC	None
Schweizer	David	PJM Interconnection, LLC	None
Seiler	Ken	PJM Interconnection, LLC	None
Shah	Vijay	PJM Interconnection, LLC	None
Shields	Jeffrey	PJM Interconnection, LLC	None
Souder	Michelle	PJM Interconnection, LLC	None
Souder	Dave	PJM Interconnection, LLC	None
Stadelmeyer	Rebecca	PJM Interconnection, LLC	None
Stemetzki	Michael	PJM Interconnection, LLC	None
Strella Wahba	Lauren	PJM Interconnection, LLC	None
Swimm	Nora	PJM Interconnection, LLC	None
Tacka	Natalie	PJM Interconnection, LLC	None
Tam	Simon	PJM Interconnection, LLC	None
Tribulski	Jen	PJM Interconnection, LLC	None
Troiano	Jessica	PJM Interconnection, LLC	None
Watkin	Erik	PJM Interconnection, LLC	None
Waweru	James	PJM Interconnection, LLC	None
Willigers	Jennifer	PJM Interconnection, LLC	None