

Markets & Reliability Committees
PJM Conference and Training Center, Audubon, PA / WebEx
May 31, 2023
9:00 a.m. – 12:00 p.m. EPT

Administration

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

Consent Agenda

Items A through I were **approved/endorsed** by acclamation with no objections and one abstention.

- A. **Approve** minutes of the April 26, 2023 meeting of the Markets and Reliability Committee.
- B. **Approve** minutes of the May 1, 2023 Informational MRC Discussion - CP Penalty Rate Meeting.
- C. **Approve** minutes of the May 4, 2023 Special MRC - CP Penalty Rate Meeting.
- D. **Endorse** proposed revisions to Manual 03: Transmission Operations resulting as a part of its periodic review.
- E. **Endorse** proposed revisions to Manual 11: Energy & Ancillary Services Market Operations on Real-time Values resulting as part of its periodic review.
- F. **Endorse** conforming revisions to Manual 11: Energy & Ancillary Services Market Operations for the approved Transmission Constraint Penalty Factor solution package.
[Issue Tracking: Operating Reserve Demand Curve \(ORDC\) & Transmission Constraint Penalty Factors](#)
- G. **Endorse** conforming revisions to Manual 11: Energy & Ancillary Services, Manual 27: Open Access Transmission Tariff Accounting and Manual 28: Operating Agreement Accounting Market Operations for the approved Hybrid Resources Phase I solution package.
[Issue Tracking: Solar-Battery Hybrid Resources](#)
- H. **Endorse** proposed revisions to Manual 15: Cost Development Guidelines addressing heat input guidelines and IMM Opportunity Cost Calculator.
[Issue Tracking: Opportunity Cost Calculator 2023](#)
[Issue Tracking: Combined Cycles and Specialized Boilers Heat Input Guidelines](#)
- I. **Endorse** proposed revisions to Manual 36: System Restoration resulting as a part of its periodic review.

Endorsements

1. Synchronized Reserve Requirement for Reliability

- A. Donnie Bielak and Phil D'Antonio discussed the increase of the synchronized reserve requirement to meet reliability standards and corresponding revisions to Manual 11: Energy & Ancillary Services Market Operations, Section 4.3 and Manual 13: Emergency Operations, Section 2.2.
- B. Joe Bowring, Monitoring Analytics, presented perspectives as to the synchronized reserve requirement.

Following discussion, the proposed Manual revisions **failed** endorsement in a sector-weighted vote with 2.3 in favor. Stu Bresler confirmed that the revisions will be incorporated into the Manuals as proposed under PJM's right and responsibility for PJM Manuals as captured in Manual 34, Section 11.15 and Operating Agreement, Section 10.4.iii.

First Readings

2. Base Residual Auction Smooth Supply Curves

Skyler Marzewski presented a proposed solution and corresponding Tariff revisions related to calculating the smooth supply curves for the Base Residual Auctions. The committee will be asked to endorse the proposed solution and corresponding Tariff revisions at its next meeting.

[Issue Tracking: Base Residual Auction \(BRA\) Smoothed Supply Curve](#)

3. Clarifying Tariff and OA Revisions

Janell Fabiano presented proposed clarifying Tariff, Operating Agreement (OA), and Reliability Assurance Agreement (RAA) revisions as endorsed by the Governing Documents Enhancements and Clarifications Subcommittee (GDECS). The committee will be asked to endorse the proposed Tariff, OA, and RAA revisions at its next meeting.

4. IROL-CIP Cost Recovery

Darrell Frogg presented a proposed solution addressing IROL-CIP cost recovery and corresponding Tariff revisions. The committee will be asked to endorse the proposed solution and corresponding Tariff revisions at its next meeting.

[Issue Tracking: IROL-CIP Cost Recovery](#)

Informational Items

5. Circuit Breaker Proposal Discussion

Becky Carroll presented a proposed PJM Circuit Breaker solution and sought stakeholder feedback as requested by the PJM Board in its March 10, 2023 letter. Stu Bresler facilitated the opportunity for stakeholders to provide comments.

Future Agenda Items

None identified

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location		
June 22, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	June 12, 2023	June 15, 2023
July 26, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	July 14, 2023	July 19, 2023
August 23, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	August 11, 2023	August 16, 2023
September 20, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	September 8, 2023	September 13, 2023
October 25, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	October 13, 2023	October 18, 2023
November 15, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	November 3, 2023	November 8, 2023
December 20, 2023	9:00 a.m.	PJM Conference & Training Center and WebEx	December 8, 2023	December 13, 2023

Author: M. Greening

Meeting Attendance

Chair/Secretary

Last Name	First Name	Company	Sector
Bresler	Stu	PJM Interconnection LLC	Not Applicable
Tribulski	Jennifer	PJM Interconnection LLC	Not Applicable

Voting Attendees

Last Name	First Name	Company	Sector
Anderson	Juliet	Constellation Energy Generation, LLC	Generation Owner
Barker	Jason	Vitol Inc.	Generation Owner
Bruce	Susan	Rep'g Wellsboro Electric Company	Electric Distributor
Bruce	Susan	Rep'g Linde Inc.	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 Lehigh Portland Cement Company	End-Use Customer
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 Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep'g Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Rep'g MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Rep'g Procter & Gamble Paper Products Company (The)	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
Davis	James	Virginia Electric & Power Company	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Farnsworth Jr	Byron	Wellsboro Electric Company	Electric Distributor
Foladare	Kenneth	Rep'g Geenex Solar LLC	Other Supplier
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner

Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn	American Municipal Power, Inc.	Electric Distributor
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski	Thomas	Rep'g Carroll County Energy LLC	Generation Owner
Hyzinski	Thomas	Rep'g GenOn Energy Management, LLC	Generation Owner
Hyzinski	Thomas	Rep'g Dynegy Marketing and Trade, LLC	Generation Owner
Jardot	Gina	NRG Power Marketing 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 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 Michigan Public Power Agency	Electric Distributor
Johnson	Carl	Rep'g North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Rep'g Old Dominion Electric Cooperative	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 Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Nix	Emma	Leeward Asset Management, LLC	Generation Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Phenix	Michael	Red Oak Power, LLC	Generation Owner
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 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 West Virginia Consumer Advocate Division	End-Use Customer
Poulos	Greg	Rep'g Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Rep'g Pennsylvania Office of Consumer Advocate	End-Use Customer
Rohrbach	John	Rep'g Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohrbach	John	Rep'g Wabash Valley Power Association, Inc.	Electric Distributor
Rohrbach	John	Rep'g Kentucky Municipal Energy Agency	Electric Distributor
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Stern	Alexander	Exelon Business Services Company, LLC	Transmission Owner
Svenson	Heather	Public Service Electric and Gas Company	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Swigonski	Frank	Pine Gate Mid-Atlantic, LLC	Generation Owner
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Ushijima	Hiroaki	Elwood Energy, LLC	Generation Owner
Walcavich	Colin	Green River Holdings, LLC	Generation Owner
Whitehead	Jeffrey	Rep'g Essential Power Rock Springs, LLC	Generation Owner
Whitehead	Jeffrey	Rep'g Parkway Generation Operating LLC	Generation Owner
Whitehead	Jeffrey	Rep'g Wheelabrator Falls Inc.	Generation Owner
Yovanovich	Laura	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner

Non-Voting Attendees

Last Name	First Name	Company	Sector
Abdur-Rahman	Muhsin	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner
Aitoro	David	Voltus, Inc.	Other Supplier
Anderson	Bob	Tenaska Power Services Co.	Generation Owner
Baer	Madelyn	Buckeye Power, Inc.	Electric Distributor
Bainbridge	Thomas	American Transmission Systems, Inc.	Transmission Owner
Benchek	James	American Transmission Systems, Inc.	Transmission Owner
Bloodworth	Michelle	Americas Power	None
Boneck	Steve	Statar Capital LLC	None
Callen	Zachary	Illinois Commerce Commission	None
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Carmean	Gregory	Organization of PJM States, Inc.	None
Carmean	Gregory	Organization of PJM States, Inc.	None
Christopher	Mahila	Public Utilities Commission of Ohio	None
Clifford	Brigid	Pine Gate Mid-Atlantic, LLC	Generation Owner
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Concina	Wendell	Commonwealth Edison Company	Transmission Owner
Corash	Richard	PSEG Energy Resources and Trade LLC	Other Supplier
Cosby	Sarah	Dominion Virginia Power	Transmission Owner
Cox	Jason	EQ Energy Advisors, LLC	None
Crystle	Gil	UGI Development Company	Generation Owner
Dadourian	John	Monitoring Analytics	None
DeMarco	Nicholas	Pennsylvania Office of Consumer Advocate	End-Use Customer
Dillon	Matthew	UGI Development Company	Generation Owner
Douglass	Robert	Constellation Energy Generation, LLC	Generation Owner
Drom	Rick	Non-member	None
Edmonds	Brian	DC Public Service Commission	None
Esquivel	Manuel	Enel Trading North America, LLC	Other Supplier
Evergam	Scott	Blue Horseshoe Energy LLC	None
Farnsworth	Barney	Wellsboro Electric Company	Electric Distributor
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Sari	American Wind Energy Association	None
Fishback	Luke	Affirmed Energy LLC	Other Supplier
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Ford	Adrien	Constellation Energy Generation, LLC	Generation Owner
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fuess	Christian	Diamond State Generation Partners, LLC	Generation Owner
Fultz	McClain	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	RWE CLEAN ENERGY WHOLESAL SERVICES, INC.	Other Supplier
Glazener	Patrick	Energy Authority, Inc. (The)	Other Supplier
Gorman	bradley	American Transmission Systems, Inc.	Transmission Owner
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Heinle	Erik	Dynegy Marketing and Trade, LLC	Generation Owner
Helms	Joe	Tyr Energy, LLC	Other Supplier
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hounshell	Jacob	Buckeye Power, Inc.	Electric Distributor
Hu	Rujun	Constellation Energy Generation, LLC	Generation Owner
Hudis	Gabriella	Gabel Associates	None
Hugee	Jacqui	Virginia Electric & Power Company	Transmission Owner
Hull	Gerit	American Municipal Power, Inc.	Electric Distributor
Hyatt	John	Monitoring Analytics LLC	None
Jeff	Baker	Duke Energy Ohio, Inc.	Transmission Owner
Johnson	Ryan	Appalachian Power Company (AEP Generation)	Transmission Owner

Jones	Scott	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kingston	Amber	Wabash Valley Power Association, Inc.	Electric Distributor
Kirk	Steven	NextEra Energy Marketing, LLC	Other Supplier
Kogut	George	New York Power Authority	Other Supplier
Korandovich	Bob	KORenergy, Ltd.	Other Supplier
Koz	Brian	Non-member	None
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
LaVista	William	RWE Clean Energy, LLC	Generation Owner
Lee	Ari	Grays Ferry Cogeneration Partnership	Generation Owner
Leith-Yessian	Devin	RTO Insider	None
Long	Scott	Allegheny Electric Cooperative, Inc.	End-Use Customer
Lookadoo	Heddie	MP2 Energy LLC	Other Supplier
Luzar	Elizabeth	Constellation Energy Generation, LLC	Generation Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Matheson	Eric	Non-member	None
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
Maucher	Andrea	Delaware Division of the Public Advocate	End-Use Customer
Mayers	Sharon	Clean Energy Future - Lordstown, LLC	Generation Owner
McClelland	Maura	Public Utilities Commission of Ohio	None
McDewell	Christian	Pennsylvania Public Utility Commission	None
McNeil	Justin	Kentucky Public Service Commission	None
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Mihaly	Imola	Nautilus Power, LLC	Generation Owner
Mooney	Jeff	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Moore Darrah	Rebecca	Wabash Valley Power Association, Inc.	Electric Distributor
Morris	Jasmine	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Moye	Robert	Commonwealth Chesapeake Company, LLC	Generation Owner
Nallan	Dwarakesh	Equinor Wind US	None
Nadel	Steven	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
ODonnell	Colleen	Public Utilities Commission of Ohio	None
Okenfuss	James	Savion, LLC	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Osborn	Eric	EDF Trading North America, LLC	Other Supplier
Parrot	Sarah	Public Utilities Commission of Ohio	None
Parrott	Keith	Michigan Public Power Agency	Electric Distributor
Peoples	John	Duquesne Light Company	Transmission Owner
Pfeiff	Mike	Lightstone Marketing LLC	Other Supplier
Pham	Bao	Lincoln Generating Facility, LLC	Generation Owner
Phillips	Amanda	Wabash Valley Power Association, Inc.	Electric Distributor
Pierpont	Dan	Riverside Generating Company, L.L.C.	Generation Owner
Rainey	John	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Rutigliano	Tom	Natural Resources Defense Council	None
Rutledge	Craig	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato	Dominic	Scarp Industries	None
Scheidecker	Paul	Monitoring Analytics LLC	None
Schleicher	Dave	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Schreim	Morris	Maryland Public Service Commission	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Shah	Pulin	PECO Energy Company	Transmission Owner
Sloan	Ben	Organization of PJM States, Inc.	None
Smith	Kara	Buckeye Power, Inc.	Electric Distributor

Sotkiewicz	Paul	E-Cubed Policy Associates	None
Sprinkle	Dan	Louisville Gas and Electric Company/Kentucky Utilities Company	Transmission Owner
Stadelmeyer	Rebecca	Jersey Green Energy LLC	Other Supplier
Stone	Andy	Non-member	None
Stuchell	Jeff	American Transmission Systems, Inc.	Transmission Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Suh	Jung	Calpine Energy Solutions, LLC	Other Supplier
Sussler	Philip	Maryland Office of People's Counsel	End-Use Customer
Sweeney	Rory	Power Prose, Inc.	None
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Tse	Samantha	New Jersey Board of Public Utilities	None
VanBlargan	Bryna	Sabinsville SunPower, LLC	None
VanderLaan	Bill	Illinois Commerce Commission	None
Vargo	Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wang	Ping	CEFX Cloud	None
Wang	Daisy	Enel X North America, Inc.	Other Supplier
Webb	Becky	Exelon Business Services Company, LLC	Transmission Owner
Wehnes	Kathleen	Non-member	None
Wilson	James	Wilson Economics	None
Wu	Tommy	Aon	None
Wylie-Chambers	Ericka	Exelon Business Services Company, LLC	Transmission Owner
Yasutake	Sarah	Jersey Green Energy LLC	Other Supplier
York	Denver	East Kentucky Power Cooperative, Inc.	Transmission Owner
Yovanovich	Laura	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner

PJM Attendees

Last Name	First Name	Company	Sector
Afeluymo	Foluso	PJM Interconnection	None
Almonte	Arelis	PJM Interconnection	None
Amoling	Leo	PJM Interconnection	None
Asthana	Manu	PJM Interconnection	None
Baizman	Aaron	PJM Interconnection	None
Barker	Christina	PJM Interconnection	None
Belenky	Maria	PJM Interconnection	None
Bernstein	Matthew	PJM Interconnection	None
Bielak	Donnie	PJM Interconnection	None
Boyle	Glen	PJM Interconnection	None
Bresler	Stu	PJM Interconnection	None
Brown	Richard	PJM Interconnection	None
Bruno	Patrick	PJM Interconnection	None
Bryson	Mike	PJM Interconnection	None
Buehler	Susan	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Ciabattoni	Joe	PJM Interconnection	None
Connell	Jason	PJM Interconnection	None
Connolly	Matthew	PJM Interconnection	None
Coscia	Carl	PJM Interconnection	None
Coyne	Suzanne	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
DeVita	Thomas	PJM Interconnection	None
DiMartino	Denise	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None

Esterly	Theresa	PJM Interconnection	None
Fabiano	Janell	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Fereshetian	Damon	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Guignet	Doug	PJM Interconnection	None
Guistwhite	Jeffrey	PJM Interconnection	None
Haque	Asim	PJM Interconnection	None
Hartman	Frank	PJM Interconnection	None
Hartung	Shanna	PJM Interconnection	None
Hatch	Kevin	PJM Interconnection	None
Hauske	David	PJM Interconnection	None
Hauske	Thomas	PJM Interconnection	None
Helm	Gary	PJM Interconnection	None
Herel	Suzanne	PJM Interconnection	None
Hicks	Colleen	PJM Interconnection	None
Hislop	David	PJM Interconnection	None
Holter	Natasha	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None
Hsia	Eric	PJM Interconnection	None
Keech	Adam	PJM Interconnection	None
Kenney	Susan	PJM Interconnection	None
Keshavamurthy	Bhavana	PJM Interconnection	None
Kim	Sung	PJM Interconnection	None
Kimmel	David	PJM Interconnection	None
Kshatriya	Niraj	PJM Interconnection	None
LaRocque	Matthew	PJM Interconnection	None
Lockwood	Dan	PJM Interconnection	None
Lu	Chen	PJM Interconnection	None
Mali	Gizella	PJM Interconnection	None
Manno	Dean	PJM Interconnection	None
Marcino	Angelo	PJM Interconnection	None
Marzewski	Skyler	PJM Interconnection	None
McGill	Susan	PJM Interconnection	None
McGlynn	Paul	PJM Interconnection	None
McLavery	Megan	PJM Interconnection	None
Mohler	Tina	PJM Interconnection	None
Morelli	Lisa	PJM Interconnection	None
Moscovitz	Daniel	PJM Interconnection	None
Oakes	Brian	PJM Interconnection	None
O'Connell	Moira	PJM Interconnection	None
O'Hara	Chris	PJM Interconnection	None
Olaleye	Michael	PJM Interconnection	None
patel	Anita	PJM Interconnection	None
Patel	Keyur	PJM Interconnection	None
Pilong	Chris	PJM Interconnection	None
Pilong	Christopher	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Pincus	Steve	PJM Interconnection	None
Reffner	Brent	PJM Interconnection	None
Salmon	Lisa	PJM Interconnection	None
Scheirer	Alexandra	PJM Interconnection	None
Schuyler	Ken	PJM Interconnection	None
Seiler	Ken	PJM Interconnection	None
Shah	Vijay	PJM Interconnection	None

Shields	Jeff	PJM Interconnection	None
Snow	Jim	PJM Interconnection	None
Souder	Dave	PJM Interconnection	None
Souder	Michelle	PJM Interconnection	None
Stanisz	Mark	PJM Interconnection	None
Stefanowicz	Vince	PJM Interconnection	None
Strella Wahba	Lauren	PJM Interconnection	None
Swimm	Nora	PJM Interconnection	None
Takahashi	Mark	PJM Board	None
Tribulski	Jennifer	PJM Interconnection	None
Tutino	Joseph	PJM Interconnection	None
VanZandt	Vickie	PJM Board	None
Vinnik	Daniel	PJM Interconnection	None
Waweru	James	PJM Interconnection	None
Widom	Stuart	PJM Interconnection	None
Xu	Xu	PJM Interconnection	None
Zamojcin	Ann	PJM Interconnection	None
Zhang	Michael	PJM Interconnection	None