

Markets & Reliability Committee
PJM Conference and Training Center / WebEx
August 24, 2022
9:00 a.m. – 12:55 p.m. EPT

Administration

Stu Bresler and David 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 no objections and one abstention:

- A. Minutes of the July 27, 2022 meeting of the Markets and Reliability Committee (MRC).
- B. Proposed revisions to Manual 6: Financial Transmission Rights as part of the periodic review and ARR FTR Market Task Force-based conforming changes (Docket No. ER22-797-000).

Endorsements

1. Variable Environmental Costs and Credits

Melissa Pilog reviewed a proposed solution including corresponding revisions to Manual 15: Cost Development Guidelines and Operating Agreement Schedule 2 to provide detailed guidance and updates to rules related to variable environmental charges and/or credits and their inclusion in cost-based energy offers. Following discussion, the proposal was **endorsed** by acclamation with two objections and one abstention.

[Issue Tracking: Variable Environmental Costs and Credits](#)

2. 2022 Quadrennial Review

Melissa Pilog reviewed the proposed Quadrennial Review packages. Following discussion, the committee voted on the proposals with results as follows:

- Package A – 2.583 in favor
- Package B – 1.133 in favor
- Package C – 1.079 in favor
- Package D – 2.047 in favor
- Prefer to retain the status quo and not recommend adoption of one of the four proposals – 0.778 in favor

Stu Bresler noted that the Members Committee will be asked to take an advisory vote on these proposals at its August 24, 2022 special meeting. The advisory vote will be provided to the PJM Board for its review and action in accordance with the Tariff.

[Issue Tracking: 2022 Quadrennial Review](#)

First Readings

3. Bankruptcy Protections

Eric Scherling reviewed a solution package and corresponding Tariff revisions addressing bankruptcy protections. The committee will be asked to endorse the proposed solution and corresponding Tariff revisions at its next meeting.

[Issue Tracking: Bankruptcy Protections](#)

4. Market Seller Offer Cap

Dave Anders provided an update regarding Market Seller Offer Cap activities at the Resource Adequacy Senior Task Force (RASTF). Pat Bruno reviewed PJM's proposed solution as the Main Motion. Tom Hoatson, LS Power, reviewed a proposed Alternative Motion. The committee will be asked to endorse a proposed solution and corresponding Tariff revisions at its next meeting.

[Issue Tracking: Capacity Market Reform](#)

5. Reserve Price Formation Manual Revisions

A. David Kimmel reviewed proposed revisions to Manual 10: Pre-Scheduling Operations, Manual 12: Balancing Operations, and Manual 13: Emergency Operations to address the Reserve Price Formation implementation.

B. Ilyana Dropkin reviewed proposed revisions to Manual 15: Cost Development Guidelines to address the Reserve Price Formation implementation and to address changes resulting from the Manual's periodic review process.

C. Rebecca Stadelmeyer reviewed proposed revisions to Manual 27: Open Access Transmission Tariff Accounting, Manual 28: Operating Agreement Accounting, and Manual 29: Billing, and Damon Fereshetian and Michael Olaleye will provide a first read of conforming revisions to Manual 11: Energy & Ancillary Services Market Operations to address the Reserve Price Formation implementation.

The committee will be asked to endorse the proposed Manual revisions at its next meeting. Same day endorsement may be sought at the MRC and MC meetings for Manual 15 revisions.

[Issue Tracking: Energy Price Formation](#)

6. Manuals

A. Andrew Levitt reviewed conforming revisions to Manual 10: Pre-Scheduling Operations, Manual 14D: Generator Operational Requirements, and Manual 18: PJM Capacity Market to support the recent hybrid resources FERC filing (Docket No. ER22-1420). The committee will be asked to endorse the proposed Manual 10, 14D, and 18 revisions at its next meeting.

[Issue Tracking: Solar-Battery Hybrid Resources](#)

B. Theresa Easterly reviewed proposed revisions to Manual 18: PJM Capacity Market and Manual 18B: Energy Efficiency Measurement & Verification resulting from the periodic review process. The committee will be asked to endorse the proposed Manual 18 and 18B revisions at its next meeting.

- C. Vince Stefanowicz reviewed proposed revisions to Manual 14D: Generator Operational Requirements and Manual 13: Emergency Operation as associated with NERC standards EOP-011 – Emergency Preparedness and Operations, IRO-010 – Reliability Coordinator Data Specification and Collection, and TOP-003 – Operational Reliability Data. The committee will be asked to endorse the proposed Manual 13 and 14D revisions at its next meeting.

Informational Update

7. GreenHat Default Update

Mark Stanisz provided an update on the August 19, 2022 FERC orders approving stipulations and consent agreements that resolve claims arising from the GreenHat FTR default (Docket No. IN18-9-000).

Future Agenda Items

No new future agenda items were identified.

Future Meeting Dates and Materials			Materials Due to Secretary	Materials Published
Date	Time	Location		
September 21, 2022	9:00 a.m.	PJM Conference & Training Center and WebEx	September 9, 2022	September 14, 2022
October 24, 2022	1:00 p.m.	Hyatt Regency Chesapeake Bay Golf Resort, Spa and Marina in Cambridge, MD	October 12, 2022	October 17, 2022
November 16, 2022	9:00 a.m.	PJM Conference & Training Center and WebEx	November 4, 2022	November 9, 2022
December 21, 2022	9:00 a.m.	PJM Conference & Training Center and WebEx	December 9, 2022	December 14, 2022

Author: D. Anders

Attendance

Chair/Secretary

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

Voting Attendees

Last Name	First Name	Company	Sector
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Benckek	James	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Michael	Moxie Freedom LLC	Generation Owner
Borgatti	Michael	Longview Power, LLC	Generation Owner
Borgatti	Michael	Newark Energy Center, LLC	Generation Owner
Borgatti	Michael	Energy Harbor LLC	Generation Owner
Borgatti	Michael	York County Solid Waste and Refuse Authority	Generation Owner
Borgatti	Michael	Jersey Green Energy, LLC	Other Supplier
Borgatti	Michael	NextEra Energy Marketing, LLC	Other Supplier

Borgatti	Michael	Hazleton Generation LLC	Generation Owner
Borgatti	Michael	Recurrent Energy, LLC	Other Supplier
Breidenbaugh	Aaron	Centrica Business Solutions Optimize, LLC	Other Supplier
Bruce	Susan	Wellsboro Electric Company	Electric Distributor
Bruce	Susan	Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	MeadWestvaco Corporation	End-Use Customer
Bruce	Susan	Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Gerdau Ameristeel Energy, Inc.	End-Use Customer
Bruce	Susan	Air Products & Chemicals, Inc.	End-Use Customer
Bruce	Susan	Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Linde Inc.	End-Use Customer
Bruce	Susan	Messer LLC	End-Use Customer
Bruce	Susan	Letterkenny Industrial Development Authority - PA	Electric Distributor
Canter	David	Appalachian Power Company	Transmission Owner
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Esquivel	Manuel	Enel X North America, Inc.	Other Supplier
Evrard	David	Pennsylvania Office of Consumer Advocate	End-Use Customer
Fishback	Luke	Affirmed Energy LLC	Other Supplier
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Fuess	Christian	NextPower III US Holdco Inc.	Generation Owner
Fuess	Christian	Kuehne Chemical Company, Inc.	End-Use Customer
Fuess	Christian	Icetek.com, Inc.	Other Supplier
Fuess	Christian	Diamond State Generation Partners, LLC	Generation Owner
Fuess	Christian	PBF Power Marketing, LLC	End-Use Customer
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Heinle	Frederick	Office of the People's Counsel for the District of Columbia	End-Use Customer
Hoatson	Tom	Riverside Generating Company, L.L.C.	Generation 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	GenOn Energy Management, LLC	Generation Owner
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	Carroll County Energy LLC	Generation Owner
Islam	Lubaba	Rockland Electric Company	Transmission Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Johnson	Carl	Borough of Mont Alto, Pennsylvania	Electric Distributor
Johnson	Carl	Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	City of Dover, Delaware	Electric Distributor
Johnson	Carl	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Easton Utilities Commission	Electric Distributor
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	Indiana Municipal Power Agency	Electric Distributor
Johnson	Carl	Michigan Public Power Agency	Electric Distributor
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Thurmont Municipal Light Company	Electric Distributor

Johnson	Carl	Town of Williamsport (The)	Electric Distributor
Johnson	Carl	WPPI Energy	Other Supplier
Johnson	Carl	Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Borough of Chambersburg	Electric Distributor
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Long	Scott	Allegheny Electric Cooperative, Inc.	Electric Distributor
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nix	Emma	Leeward Asset Management, LLC	Generation Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Poulos	Greg	Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Office of the Attorney General, Kentucky	End-Use Customer
Poulos	Greg	New Jersey Division of Rate Counsel	End-Use Customer
Poulos	Greg	Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Delaware Division of the Public Advocate	End-Use Customer
Poulos	Greg	Ohio Consumers' Counsel	End-Use Customer
Poulos	Greg	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	West Virginia Consumer Advocate Division	End-Use Customer
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohrbach	John	Kentucky Municipal Energy Agency	Electric Distributor
Rohrbach	John	Big Savage, LLC	Generation Owner
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Stern	Alex	Public Service Electric and Gas Company	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Swigonski	Frank	Pine Gate Mid-Atlantic, LLC	Other Supplier
Vayda	Brian	Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Vayda	Brian	Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Vayda	Brian	Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Borough of Madison, New Jersey	Electric Distributor
Walker	Wesley	Virginia Electric & Power Company	Transmission Owner
Whitehead	Jeffrey	Neptune Regional Transmission System, LLC	Transmission Owner
Whitehead	Jeffrey	Wheelabrator Falls Inc.	Generation Owner
Whitehead	Jeffrey	Eastern Generation, LLC	Generation Owner
Whitehead	Jeffrey	Essential Power Rock Springs, LLC	Generation Owner
Yovanovich	Laura	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner

Non-Voting Attendees

Last Name	First Name	Company	Sector
Anderson	Jared	S&P Global	Not Applicable
Baker	Jeff	Duke Energy Business Services LLC	Transmission Owner
Berton	Tyler	Appalachian Power Company	Transmission Owner
Bowring	Joe	Monitoring Analytics, LLC	Not Applicable
Campbell	Bruce	Cambell Energy Advisors	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Carrier	Ron	Big Lake Consulting	Not Applicable
Carson	Donna	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chambers	Ericka	Exelon Business Services Company, LLC	Transmission Owner
Christopher	Mahila	Public Utilities Commission Of Ohio	Not Applicable
Christopher	Mahila	Public Utilities Commission Of Ohio	Not Applicable

Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Corash	Richard	Public Service Electric and Gas Company	Transmission Owner
Curtis	Kenneth	Enverus, Inc.	Not Applicable
Davis	David	Apex	Not Applicable
Dillon	Matt	UGI Development Company	Generation Owner
Dorko	Keri	Monitoring Analytics, LLC	Not Applicable
Drake	Cary	Viridity Energy Solutions Inc.	Generation Owner
Edmonds	Brian	Dc Public Service Commission	Not Applicable
Elkins	Rachel	Energy Harbor LLC	Generation Owner
Fazio	Danielle	Engelhart CTP (US) LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Fink	Sari	American Clean Power	Not Applicable
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Other Supplier
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Gates	Kerry	Appalachian Power Company	Transmission Owner
Gebolys	Debbie	Public Utilities Commission Of Ohio	Not Applicable
Gilani	Rehan	Consolidated Edison Energy, Inc.	Other Supplier
Gordon	Jonathan	Aee	Not Applicable
Gorman	Brad	Energy Harbor LLC	Generation Owner
Greene	Ben	Appalachian Power Company	Transmission Owner
Greiner	Gary	Public Service Electric and Gas Company	Transmission Owner
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Hastings	David	DHASt Co.	Not Applicable
Heisey	Bradley	Tenaska Virginia Partners, L.P.	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Hull	Gerit	American Municipal Power, Inc.	Not Applicable
Huntton	Steve	Chesapeake Transmission LLC	Other Supplier
Iler	Art	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Jett	William	Duke Energy Business Services LLC	Transmission Owner
Jones	Scott	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Jones	Scott	The Indiana Oucc	Not Applicable
Kent	Janessa	Duquesne Light Company	Transmission Owner
Lawson	Ryen	Dominion Energy Generation Marketing, Inc.	Generation Owner
Lawton	Nick	Energy Harbor LLC	Generation Owner
Liangnicol	Cecilia	Energy Harbor LLC	Generation Owner
Liang-Nicol	Decilia	Energy Harbor LLC	Generation Owner
Libbos	Robin	Energy Harbor LLC	Generation Owner
Libbos	Robin	Energy Harbor LLC	Generation Owner
Lieberman	Steve	American Municipal Power	Not Applicable
Litchfield	Matt	Cpv Power Holdings. LP	Generation Owner
Louwahi	Soufiane	Epe Consulting	Not Applicable
Luna	Joel	Monitoring Analytics, LLC	Not Applicable
Mabry	David	Mwn	Not Applicable
MacArthur	Norman	Dominion Energy Generation Marketing, Inc.	Generation Owner
Mariam	Yohannes	Office of the People's Counsel for the District of Columbia	End-Use Customer
Martin	Valerie	Federal Energy Regulatory Commission	Not Applicable
Matheson	Eric	Delaware Public Service Commission	Not Applicable
Matuszak	Alex	UGI Development Company	Generation Owner
Mayers	Sharon	Worley	Not Applicable
McDewell	Christian	Pennsylvania Public Utility Commissi	Not Applicable
McNeil	Justin	Kentucky Public Service Commission	Not Applicable
Miller	John	Commonwealth Edison Company	Transmission Owner
Mooney	Jeff	Energy Harbor LLC	Generation Owner
Moye	Bob	Tyr Energy, LLC	Other Supplier
Moyo	Edwin	Charles River Associates	Not Applicable
Norris	John	RTO Insider	Not Applicable

O'Connor	Siobhan	Energy Authority, Inc. (The)	Other Supplier
Olinger	Robert	Gen Ops, LLC	Other Supplier
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Not Applicable
Peoples	John	Duquesne Light Company	Transmission Owner
Phillips	Amanda	Aces	Not Applicable
Pollard	Albert	Illinois Citizen Utility Board	End-Use Customer
Price	Ruth	Delaware Division Of The Public Advocate	End-Use Customer
Reagan	Ryann	New Jersey Pbu	Not Applicable
Redwine	Arlo	Federal Energy Regulatory Commission	Not Applicable
Roberts	Casey	Sierra Club	Not Applicable
Robinson	Becky	Vistra	Not Applicable
Rumsey	Amanda	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Rutledge	Craig	Appalachian Power Company	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions	Not Applicable
Scheidecker	Paul	Monitoring Analytics, LLC	Not Applicable
Schreim	Morris	Maryland Public Service Commission	End-Use Customer
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Not Applicable
Sloan	Ben	O.P.S.I.	Not Applicable
Sorrels	James	Appalachian Power Company	Transmission Owner
Sotkiewicz	Paul	E-Cubed Policy Associates	Not Applicable
Sparks	Bridget	A.E.S.	Not Applicable
Stone	Andy	Gabel Associates	Not Applicable
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sussler	Philip	Maryland Office Of Peoples Counsel	End-Use Customer
Svenson	Heather	Public Service Electric and Gas Company	Transmission Owner
Sweeney	Rory	Power Prose	Not Applicable
Swigonski	Frank	Pine Gate Mid-Atlantic, LLC	Other Supplier
Szot	Lisa	Strata Clean Energy	Not Applicable
Thomas	Glen	GT Power Group, LLC	Not Applicable
Tibbetts	Maeve	K&L Gates	Not Applicable
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Tyler	Catherine	Monitoring Analytics, LLC	Not Applicable
Van	Brynn	Audubon Land Development	Not Applicable
Vargo	Daniel	Allegheny Electric Cooperative, Inc.	Electric Distributor
Vaughn	Heather	East Kentucky Power Cooperative, Inc.	Transmission Owner
Walcavich	Colin	National Grid Renewables	Not Applicable
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Walker	Wesley	Virginia Electric & Power Company	Transmission Owner
Webb	Becky	Exelon Business Services Company, LLC	Transmission Owner
Wehnef	Kathleen	Merrilyn Department Of The Environment	Not Applicable
Wilson	James	Wilson Energy Economics	Not Applicable
Wray	Gizelle	Savion	Not Applicable
Zemanek	Kevin	Buckeye Power, Inc.	Electric Distributor

PJM Attendees

Last Name	First Name	Company	Sector
Asthana	Manu	PJM Interconnection, LLC	Not Applicable
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Bernabeu	Emanuel	PJM Interconnection, LLC	Not Applicable
Bernaveu	Emanuel	PJM Interconnection, LLC	Not Applicable
Bernstein	Matthew	PJM Interconnection, LLC	Not Applicable
Bruno	Patrick	PJM Interconnection, LLC	Not Applicable
Buehler	Susan	PJM Interconnection, LLC	Not Applicable
Burdis	Tim	PJM Interconnection, LLC	Not Applicable
Collins	Ryan	PJM Interconnection, LLC	Not Applicable

Croop	Danielle	PJM Interconnection, LLC	Not Applicable
D'Antonio	Phil	PJM Interconnection, LLC	Not Applicable
Dent	Dwuane	PJM Interconnection, LLC	Not Applicable
Dropkin	Iyana	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Freeman	Jennifer	PJM Interconnection, LLC	Not Applicable
Gates	Jill	PJM Interconnection, LLC	Not Applicable
Gluck	Jim	PJM Interconnection, LLC	Not Applicable
Haque	Asim	PJM Interconnection, LLC	Not Applicable
Hauske	Thomas	PJM Interconnection, LLC	Not Applicable
Herrera	Maria	PJM Interconnection, LLC	Not Applicable
Herrera	Maria	PJM Interconnection, LLC	Not Applicable
Hicks	Collen	PJM Interconnection, LLC	Not Applicable
Holter	Natasha	PJM Interconnection, LLC	Not Applicable
Holter	Natasha	PJM Interconnection, LLC	Not Applicable
Jacobe	Jesse	PJM Interconnection, LLC	Not Applicable
Jacobe	Jesse	PJM Interconnection, LLC	Not Applicable
Kenney	Susan	PJM Interconnection, LLC	Not Applicable
Levitt	Andrew	PJM Interconnection, LLC	Not Applicable
Loebl	Margo	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
Mills	David	PJM Interconnection, LLC	Not Applicable
Mohler	Tina	PJM Interconnection, LLC	Not Applicable
Murphy	Lori	PJM Interconnection, LLC	Not Applicable
O'Brien	Tom	PJM Interconnection, LLC	Not Applicable
O'Hara	Chris	PJM Interconnection, LLC	Not Applicable
Picarelli	David	PJM Interconnection, LLC	Not Applicable
Pincus	Steven	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Seiler	Ken	PJM Interconnection, LLC	Not Applicable
Shah	Vijay	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Stanisz	Mark	PJM Interconnection, LLC	Not Applicable
Stefanowicz	Vincent	PJM Interconnection, LLC	Not Applicable
Stemetzki	Mike	PJM Interconnection, LLC	Not Applicable
Swimm	Nora	PJM Interconnection, LLC	Not Applicable