

Markets & Reliability Committees
PJM Conference and Training Center, Audubon, PA / WebEx
October 25, 2023
9:00 a.m. – 12:35 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 through C were **approved/endorsed** by acclamation with no objections or abstentions:

- A. Minutes of the September 20, 2023 meeting of the Markets and Reliability Committee.
- B. Proposed revisions to Manual 03A: Energy Management System (EMS) Model Updates and Quality Assurance (QA) resulting from its periodic review.
- C. Proposed revisions to Manual 19: Load Forecasting and Analysis to align with Attachment B: Load Forecast Adjustment Guidelines.

Endorsements

1. Capacity Offer Opportunities for Generation with Co-Located Load

Jeff Bastian reviewed a proposed solution addressing capacity opportunities for generation with co-located load and corresponding Tariff revisions.

Tim Horger proposed an amendment to remove an obsolete passage no longer valid due to the ability to include in market-based offers as follows:

“Cost-based offers for energy from generating resources shall not exceed the variable cost of producing such energy as determined in accordance with Schedule 2 to this Agreement and applicable regulatory standards, requirements and determinations; ~~provided that, a Market Seller may offer to the PJM Interchange Energy Market the right to call on energy from a resource the output of which has been sold on a bilateral basis, with the rate for such energy if called equal to the curtailment rate specified in the bilateral contract.~~”

There were no objections, and therefore the proposed amendment was incorporated into the main motion.

Following discussion, the main motion **failed** in a sector-weighted vote with 0.975 in favor.

[Issue Tracking: Capacity Offer Opportunities for Generation with Co-Located Load](#)

2. 2023 Reserve Requirement Study

Patricio Rocha Garrido reviewed the 2023 Reserve Requirement Study (RRS) results (Forecast Pool Requirement (FPR) and Installed Reserve Margin (IRM)). Following discussion, the committee **endorsed** the 2023 RRS results by acclamation with no objections and eight abstentions.

3. Outage Coordination

Paul Dajewski reviewed a proposed solution and corresponding revisions to Manual 38: Operations Planning to address outage coordination. Following discussion, the committee **endorsed** the proposed manual revisions by acclamation with no objections or abstentions.

[Issue Tracking: Outage Coordination](#)

4. Local Considerations in Net Cost of New Entry

Gary Helm reviewed a proposed solution and corresponding Tariff revisions addressing local considerations in Net Cost of New Entry. He noted that Members Committee endorsement would be sought on the same day.

Clara Summers, IL Citizen Utility Board, moved to defer voting on the proposed Tariff revisions until the committee's next meeting. Greg Poulos, on behalf of the DE Division of the Public Advocate, seconded the motion to defer. The motion to defer **failed** in a sector-weighted vote with 2.334 in favor.

Following discussion, the committee **endorsed** the proposed solution and corresponding Tariff revisions in a sector-weighted vote with 4.162 in favor.

[Issue Tracking: Local Considerations in New Cost of New Entry](#)

First Readings

5. Clean Attribute Procurement Senior Task Force (CAPSTF)

Scott Baker provided a final report on CAPSTF activities and proposed to sunset the group. The committee will be asked to approve the CAPSTF sunset at a future meeting.

6. Performance Impact of the Multi-schedule Model on the Market Clearing Engine

A. Keyur Patel reviewed proposed solutions endorsed by the Market Implementation Committee and addressing the performance impact of the multi-schedule model on the market clearing engine.

The committee will be asked to endorse a proposed solution and corresponding Tariff and Operating Agreement revisions at its next meeting.

B. Catherine Tyler, Monitoring Analytics, discussed perspectives related to the performance impact of the multi-schedule model on the market clearing engine.

[Issue Tracking: Performance Impact of the Multi-Schedule Model on the Market Clearing Engine](#)

7. Manuals

- A. Dean Manno reviewed proposed revisions to Manual 03: Transmission Operations resulting from its periodic review. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- B. Dean Manno reviewed proposed revisions to Manual 03: Transmission Operations addressing the New Transmission Facility “Cut-In” Process Update. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- C. Vince Stefanowicz reviewed proposed revisions to Manual 10: Pre-Scheduling Operations resulting from its periodic review. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- D. Vince Stefanowicz reviewed proposed revisions to Manual 14D: Generator Operational Requirements resulting from its periodic review. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- E. Joseph Tutino reviewed proposed revisions to Manual 11: Energy & Ancillary Services Market Operations for offer verification technical enhancements and obsolete sections for Attachment C resulting from approved Intraday Offers and Start Cost Calculation changes. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- F. Darrell Frogg reviewed conforming revisions to Manual 11: Energy & Ancillary Services Market Operations for the approved Renewable Dispatch solution package. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
[Issue Tracking: Renewable Dispatch](#)
- G. Zhenyu Fan reviewed proposed revisions to Manual 11: Energy & Ancillary Services Market Operations to update a missing term in the Reserve section and an outdated reference in the Regulation section. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- H. Zhenyu Fan reviewed conforming revisions to Manual 11: Energy & Ancillary Services Market Operations, Manual 27: Open Access Transmission Tariff Accounting and Manual 28: Operating Agreement Accounting for the Hybrids Phase II solution package. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
[Issue Tracking: Solar-Battery Hybrid Resources](#)
- I. Melissa Piong presented an overview of the Performance Assessment Triggers topic and reviewed proposed revisions to Manual 11: Energy & Ancillary Services Market Operations and Manual 18: PJM Capacity Market conforming to FERC Order Docket No. ER23-1996-000 addressing PAI trigger Tariff changes. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- J. Frank Hartman reviewed proposed revisions to Manual 13: Emergency Operations conforming to FERC Order Docket No. ER23-19960-000 addressing PAI trigger Tariff changes and an additional

set of changes addressing public notification statements clarification. The committee will be asked to endorse the proposed Manual revisions at its next meeting.

- K. Pete Langbein reviewed conforming revisions to Manual 18: PJM Capacity Market for the Quadrennial Review, the default Gross Cost of New Entry/Avoidable Cost Rates for the Minimum Offer Pricing Rule, Performance Assessment Intervals, Hybrids, and Interconnection Process Reform. The committee will be asked to endorse the proposed Manual revisions at its next meeting.
- L. Molly Mooney reviewed proposed revisions to Manual 19: Load Forecasting and Analysis resulting from its periodic review. The committee will be asked to endorse the proposed Manual 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		
<i>November 15, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	November 3, 2023	November 8, 2023
<i>December 20, 2023</i>	9:00 a.m.	PJM Conference & Training Center and WebEx	December 8, 2023	December 13, 2023

Author: D. Anders

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
Anderson	Juliet	Constellation Energy Generation, LLC	Generation Owner
Barker	Jason	Vitol Inc.	Generation Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Borgatti	Michael	Jersey Green Energy, LLC	Other Supplier
Borgatti	Michael	Lincoln Generating Facility, LLC	Generation Owner
Borgatti	Michael	Recurrent Energy, LLC	Other Supplier
Borgatti	Michael	Energy Harbor LLC	Generation Owner
Borgatti	Michael	NextEra Energy Marketing, LLC	Other Supplier
Borgatti	Michael	Moxie Freedom LLC	Generation Owner
Borgatti	Michael	Hill Top Energy Center, LLC	Generation Owner
Borgatti	Michael	Hazleton Generation LLC	Generation Owner
Borgatti	Michael	York County Solid Waste and Refuse Authority	Generation Owner
Borgatti	Michael	Longview Power, LLC	Generation Owner
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruce	Susan	Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Messer LLC	End-Use Customer
Bruce	Susan	Wellsboro Electric Company	Electric Distributor

Bruce	Susan	Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Gerdau Ameristeel Energy, Inc.	End-Use Customer
Bruce	Susan	Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Linde Inc.	End-Use Customer
Bruce	Susan	Cleveland-Cliffs Steel LLC	End-Use Customer
Bruce	Susan	Air Products & Chemicals, Inc.	End-Use Customer
Campbell	Bruce	MidAtlantic Power Partners, LLC	Other Supplier
Campbell	Bruce	GridBeyond, LLC	Other Supplier
Canter	David	Appalachian Power Company	Transmission Owner
Davis	James	Virginia Electric & Power Company	Transmission Owner
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
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Fuess	Christian	NextPower III US Holdco Inc.	Generation Owner
Fuess	Christian	Diamond State Generation Partners, LLC	Generation Owner
Fuess	Christian	PBF Power Marketing, LLC	End-Use Customer
Fuess	Christian	lctec.com, Inc.	Other Supplier
Fuess	Christian	Kuehne Chemical Company, Inc.	End-Use Customer
Fultz	McClain	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Hoatson	Tom	Rolling Hills Generating, LLC	Generation Owner
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
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
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
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	NRG Business Marketing LLC	Other Supplier
Johnson	Carl	Easton Utilities Commission	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Indiana Municipal Power Agency	Electric Distributor
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor
Johnson	Carl	Michigan Public Power Agency	Electric Distributor
Johnson	Carl	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Borough of Mont Alto, Pennsylvania	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
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Buckeye Power, Inc.	Electric Distributor
Johnson	Carl	American Municipal Power, Inc.	Electric Distributor
Johnson	Carl	Central Virginia Electric Cooperative	Electric Distributor
Johnson	Carl	City of Dover, Delaware	Electric Distributor
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Mason	Gary	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Poulos	Greg	Public Staff - North Carolina Utilities Commission	End-Use Customer

Poulos	Greg	West Virginia Consumer Advocate Division	End-Use Customer
Poulos	Greg	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Pennsylvania Office of Consumer Advocate	End-Use Customer
Poulos	Greg	Delaware Division of the Public Advocate	End-Use Customer
Poulos	Greg	New Jersey Division of Rate Counsel	End-Use Customer
Rettig	Kacie	Rockland Electric Company	Transmission Owner
Rohrbach	John	Wabash Valley Power Association, Inc.	Electric Distributor
Rohrbach	John	Kentucky Municipal Energy Agency	Electric Distributor
Rohrbach	John	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Stern	Alexander	Exelon Business Services Company, LLC	Transmission Owner
Summers	Clara	Illinois Citizen Utility Board	End-Use Customer
Svenson	Heather	Public Service Electric and Gas Company	Transmission Owner
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Ushijima	Hiroaki	Elwood Energy, LLC	Generation Owner
Vayda	Brian	Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Vineland Municipal Electric Utility	Electric Distributor
Vayda	Brian	Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Borough of Park Ridge, New Jersey	Electric Distributor
Walcavich	Colin	Green River Holdings, LLC	Generation Owner
Whitehead	Jeffrey	Wheelabrator Falls Inc.	Generation Owner
Whitehead	Jeffrey	Parkway Generation Operating LLC	Generation Owner
Whitehead	Jeffrey	Essential Power Rock Springs, LLC	Generation Owner
Wynder	Michael	Altrock LLC	Other Supplier

Non-Voting Attendees

Last Name	First Name	Company	Sector
Abdur-Rahman	Muhsin	Dynegy Marketing & Trade, LLC (DECAM)	Generation Owner
Abramowitz	Jeremy	Monitoring Analytics	None
Ament	Todd	Cube Hydro Partners, LLC	Generation Owner
Anderson	Jared	S&P Global	None
Bainbridge	Thomas	American Transmission Systems, Inc.	Transmission Owner
Baker	Jeff	Duke Energy Ohio, Inc.	Transmission Owner
Barnett	Paul	Silver Run Electric, LLC	Transmission Owner
Bowring	Joe	Monitoring Analytics	None
Boyle	Sean	Constellation Energy Generation, LLC	Generation Owner
breidenbaugh	aaron	Stones DR, LLC	Other Supplier
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bruce	Susan	McNees Wallace & Nurick LLC	None
Callen	Zachary	Illinois Commerce Commission	None
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canter	David	Appalachian Power Company (AEP Generation)	Transmission Owner
Carmean	Gregory	Organization of PJM States, Inc.	None
Carrier	Ronald	Big Lake Consulting Group, LLC	None
Cham	Edrissa	Savion, LLC	None
Christopher	Mahila	Public Utilities Commission of Ohio	None
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

Cox	Jason	EQ Energy Advisors, LLC	None
Curtis	Kenneth	Enverus, Inc.	None
Daugherty-Bell	Derrik	BW Solar	None
Davis	David	Apex Clean Energy Holdings, LLC	None
Denby	Brett	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Dorko	Keri	Monitoring Analytics	None
Douglass	Robert	Constellation Energy Generation, LLC	Generation Owner
Drom	Rick	Non-member	None
Edmonds	Brian	DC Public Service Commission	None
Ericson	Christine	Illinois Commerce Commission	None
Fazio	Danielle	Engelhart CTP (US) LLC	Other Supplier
Fink	Sari	MAREC Action	None
Fitch	Neal	NRG Business Marketing LLC (NRGPM)	Other Supplier
Ford	Adrien	Constellation Energy Generation, LLC	Generation Owner
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gilani	Rehan	RWE CLEAN ENERGY WHOLESALE SERVICES, INC.	Other Supplier
Glazener	Patrick	Energy Authority, Inc. (The)	Other Supplier
Gordon	Jonathan	Advanced Energy Economy	None
Granstrand	Luke	Dominion Virginia Power	Transmission Owner
Grey	Bruce	Samsung C&T America, Inc.	None
Grigorjeva	Jelena	Atlantic Shores Wind	None
Guo	Hubert	Constellation Energy Generation, LLC	Generation Owner
Hastings	David	Long Island Lighting Company dba LIPA	Other Supplier
Heinle	Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Himmelspach	Treasa	Appalachian Power Company (APCO Dedicated)	Transmission Owner
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Hugee	Jacquelynn	Dominion Virginia Power	Transmission Owner
Hurd	Shawn	Monongahela Power Company d/b/a Allegheny Power	Transmission Owner
Hyatt	Earl	Monitoring Analytics	None
Iler	Art	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-use Customer
Ingraham	Deborah	Acciona Energy North America Corporation	Generation Owner
Isaac	Carlos	Exelon Business Services Company, LLC	Transmission Owner
Jacobs	Mike	Union of Concerned Scientists	None
Janas	Kim	Illinois Attorney General's Office	None
Johnson	Ryan	Appalachian Power Company (AEP Generation)	Transmission Owner
Jones	Scott	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-use Customer
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kent	Janessa	Duquesne Light Company	Transmission Owner
Kim	Caleb	Dayton Power & Light Company (The)	Transmission Owner
Kroh	Judson	Seward Generation, LLC	Generation Owner
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
LaVista	William	RWE Clean Energy, LLC	Generation Owner
Lescano	Amanda	New Jersey Board of Public Utilities	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
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Murawski	Jim	PSEG Energy Resources & Trade LLC	Other Supplier
Nadel	Steven	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Nix	Emma	Leeward Asset Management, LLC	Generation Owner
O'Hara	Bernie	Sargent & Lundy	None
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner

Osborn	Eric	EDF Trading North America, LLC	Other Supplier
Palla	Sunil	NextEra Energy Marketing, LLC	Other Supplier
Patel	Shodhan	Constellation Energy Generation, LLC	Generation Owner
Peoples	John	Duquesne Light Company	Transmission Owner
Phillips	Amanda	Wabash Valley Power Association, Inc.	Electric Distributor
pierson	brad	Walden Renewables Development LLC	Other Supplier
Procuniar	Jason	Buckeye Power, Inc.	Electric Distributor
Pungaliya	Rajat	NedPower Mount Storm, LLC	Generation Owner
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Reagan	Ryann	New Jersey Board of Public Utilities	None
Richards	Wade	Apex Clean Energy Holdings, LLC	None
Richards Jr	Cleveland	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Rutigiano	Tom	Natural Resources Defense Council	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Satter	Susan	Office of the Illinois Attorney General	None
Scheidecker	Paul	Monitoring Analytics	None
Schreim	Morris	Maryland Public Service Commission	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Shah	Pulin	PECO Energy Company	Transmission Owner
Shanker	Roy	East Coast Power Linden Holding, L.L.C.	Generation Owner
Skucas	Ruta	K&L Gates	None
Skumanich	Bill	RTR Energy Solutions LLC	None
Sloan	Ben	Organization of PJM States, Inc.	None
Sorrels	Jim	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Sotkiewicz	Paul	E-Cubed Policy Associates	None
Sparks	Bridget	sPower Development Company, LLC	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
Storino	Laura	New Jersey Board of Public Utilities	None
Stupar	Rob	Invenergy Energy Management LLC	Generation Owner
Sussler	Philip	Maryland Public Service Commission	None
Sweeney	Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Tay	Sing	AES Laurel Mountain, LLC	Generation Owner
Theaker	Brian	Big Sandy Peaker Plant, LLC	Generation Owner
Tian	Xueqi	White Peak Energy LLC	Other Supplier
VanBlargan	Bryna	Sabinsville SunPower, LLC	None
VanderLaan	Bill	Illinois Commerce Commission	None
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wang	Daisy	Enel X North America, Inc.	Other Supplier
Wehnes	Kathleen	Non-member	None
Whitson	Warren	Viridon	None
Willson	Jonathan	Walden Renewables Development LLC	Other Supplier
Wilson	James	Wilson Economics	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
Afelumo	Foluso	PJM Interconnection	None
Anders	David	PJM Interconnection	None
Arkatin	Tyler	PJM Interconnection	None
Asthana	Manu	PJM Interconnection	None

Baizman	Aaron	PJM Interconnection	None
Baker	Scott	PJM Interconnection	None
Barker	Christina	PJM Interconnection	None
Barrett	Emily	PJM Interconnection	None
Bastian	Jeff	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
Bruno	Joshua	PJM Interconnection	None
Bruno	Pat	PJM Interconnection	None
Bryson	Michael	PJM Interconnection	None
Burdis	Tim	PJM Interconnection	None
Carrasco	Eliseo	PJM Interconnection	None
Carroll	Rebecca	PJM Interconnection	None
Caven	Augustine	PJM Interconnection	None
Chmielewski	Brian	PJM Interconnection	None
Chu	George	PJM Interconnection	None
Ciabattoni	Joe	PJM Interconnection	None
Cobb	Patrick	PJM Interconnection	None
Connell	Jason	PJM Interconnection	None
Connolly	Matthew	PJM Interconnection	None
Coyne	Suzanne	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
Dajewski	Paul	PJM Interconnection	None
Dent	D'ondre	PJM Interconnection	None
Dettrey	Mark	PJM Interconnection	None
DiMartino	Denise	PJM Interconnection	None
Downs	Jere	PJM Interconnection	None
Drauschak	Lisa	PJM Interconnection	None
Dropkin	Robert	PJM Interconnection	None
Egan	Amanda	PJM Interconnection	None
Esterly	Theresa	PJM Interconnection	None
Falin	Tom	PJM Interconnection	None
Fan	Zhenyu	PJM Interconnection	None
Fitzpatrick	Brian	PJM Interconnection	None
Frogg	Darrell	PJM Interconnection	None
Gledhill	Andrew	PJM Interconnection	None
Greening	Michele	PJM Interconnection	None
Guignet	Douglas	PJM Interconnection	None
Guignet	Doug	PJM Interconnection	None
Hall	Mary	PJM Interconnection	None
Handlin	Mike	PJM Interconnection	None
Haque	Asim	PJM Interconnection	None
Hartman	Frank	PJM Interconnection	None
Hatch	Kevin	PJM Interconnection	None
Hauske	David	PJM Interconnection	None
Hauske	Thomas	PJM Interconnection	None
Hedayati	Mojgan	PJM Interconnection	None
Helm	Gary	PJM Interconnection	None
Herel	Suzanne	PJM Interconnection	None
Herman	Michael	PJM Interconnection	None
Hislop	David	PJM Interconnection	None
Horger	Tim	PJM Interconnection	None

Hsia	Eric	PJM Interconnection	None
Johnson	Jeanine	PJM Board	None
Kenney	Susan	PJM Interconnection	None
Keshavamurthy	Bhavana	PJM Interconnection	None
Kshatriya	Niraj	PJM Interconnection	None
Langbein	Pete	PJM Interconnection	None
Lee	Ray	PJM Interconnection	None
Lockwood	Dan	PJM Interconnection	None
Lu	Chen	PJM Interconnection	None
Lynch	Jessica	PJM Interconnection	None
Mali	Gizella	PJM Interconnection	None
Manno	Dean	PJM Interconnection	None
Marcino	Angelo	PJM Interconnection	None
Marzewski	Skyler	PJM Interconnection	None
McElwaine	Kathy	PJM Interconnection	None
McGill	Susan	PJM Interconnection	None
McGlynn	Paul	PJM Interconnection	None
McGovern	Jason	PJM Interconnection	None
McLaverty	Megan	PJM Interconnection	None
Mooney	Molly	PJM Interconnection	None
Morelli	Lisa	PJM Interconnection	None
Mroz	David	PJM Interconnection	None
Muhl	Nancy	PJM Interconnection	None
Noonan	Casey	PJM Interconnection	None
Oakes	Brian	PJM Interconnection	None
O'Hara	Chris	PJM Interconnection	None
Olaleye	Michael	PJM Interconnection	None
Oskvig	Dean	PJM Board	None
Patel	Anita	PJM Interconnection	None
Patel	Harshil	PJM Interconnection	None
Patel	Keyur	PJM Interconnection	None
Pilong	Melissa	PJM Interconnection	None
Pincus	Steven	PJM Interconnection	None
Ramsay	Eli	PJM Interconnection	None
Reffner	Brent	PJM Interconnection	None
Rocha Garrido	Patricio	PJM Interconnection	None
Salmon	Lisa	PJM Interconnection	None
Schuyler	Ken	PJM Interconnection	None
Scott	Nicole	PJM Interconnection	None
Seiler	Ken	PJM Interconnection	None
Shah	Vijay	PJM Interconnection	None
Shields	Jeff	PJM Interconnection	None
Souder	Michelle	PJM Interconnection	None
Souder	Dave	PJM Interconnection	None
Staevska	Asya	PJM Interconnection	None
Stanisz	Mark	PJM Interconnection	None
Stefanowicz	Vince	PJM Interconnection	None
Stemetzki	Mike	PJM Interconnection	None
Swimm	Nora	PJM Interconnection	None
Taylor	Daniel	PJM Interconnection	None
Terranova	Chris	PJM Interconnection	None
Tribulski	Jennifer	PJM Interconnection	None
Tutino	Joseph	PJM Interconnection	None
Vinnik	Dan	PJM Interconnection	None
Waweru	James	PJM Interconnection	None
Widom	Stu	PJM Interconnection	None



Minutes

Xu	Xu	PJM Interconnection	None
Yeaton	Andrea	PJM Interconnection	None
Zhang	Michael	PJM Interconnection	None