

Markets & Reliability Committees
PJM Conference and Training Center, Audubon, PA / WebEx
March 20, 2024
9:00 a.m. – 1:55 p.m. EPT

Administration

Lisa Drauschak and David Anders welcomed stakeholders and provided the Anti-trust, Code of Conduct, and Meeting Participation announcements.

Chen Lu provided an overview of the recent decision issued by the US Court of Appeals for the Third Circuit which vacated a portion of FERC's acceptance of PJM's request to adjust the 2024-25 Base Residual Auction parameters for the DPL South zone.

Consent Agenda

Items A through D were **approved/endorsed** by acclamation with no objections and one abstention (to all items):

- A. Minutes of the February 22, 2024 meeting of the Markets and Reliability Committee.
- B. Proposed revisions to Manual 11: Energy & Ancillary Services Market Operations for interface pricing points reviews.
[Issue Tracking: Interface Pricing Points Review](#)
- C. Proposed revisions to Manual 12: Balancing Operations resulting from its periodic review.
- D. Proposed revisions to Manual 37: Reliability Coordination resulting from its periodic review and additional revisions addressing changes for FAC-011 and FAC-014.

Endorsements

1. Governing Document Clarifying Revisions

Michele Greening reviewed proposed clarifying Tariff, Reliability Assurance Agreement (RAA), and Operating Agreement (OA) revisions addressing interconnection process references as endorsed by the Governing Documents Enhancements and Clarifications Subcommittee (GDECS) in February. Following discussion, the proposed revisions were **endorsed** by acclamation with no objections and 20 abstentions.

2. Demand Response Availability Window

Bruce Campbell, on behalf of DR Providers, reviewed a proposed Problem Statement and Issue Charge addressing the alignment of demand response capacity availability hours with periods of reliability risk. The proposed Issue Charge Key Work Activity (KWA) 2 contained a solution (using the Quick Fix process outlined in Manual 34, Section 8.6.1) to adjust the DR availability hours for the 2024-25 winter, while other KWAs proposed investigating further solution opportunities.

Sponsors of the Issue Charge withdrew their request for a vote to approve it at this meeting, indicating they may request approval at a future meeting.

3. Manual 18B: Energy Efficiency Measurement & Verification

- A. Pete Langbein reviewed the Main Motion of proposed revisions to Manual 18B: Energy Efficiency Measurement & Verification addressing Energy Efficiency resources.
- B. Ken Schisler, CPower, moved, and Manuel Esquivel, Enel, seconded an Alternate Motion of proposed revisions to Manual 18B: Energy Efficiency Measurement & Verification.
- C. Luke Fishback, Affirmed Energy, moved and Doug Hurley, Ictec, seconded an Alternate Motion of proposed revisions to Manual 18B: Energy Efficiency Measurement & Verification.

Following discussion, the proposed revisions contained in the main motion were **failed** in a sector weighted vote with 2.539 in favor. The revisions proposed by CPower **failed** in a sector weighted vote with 1.909 in favor. The revisions proposed by Affirmed Energy **failed** in a sector weighted vote with 1.575 in favor.

Erik Heinle, Vistra moved, and Paul Sotkiewicz, JPower, seconded an alternate motion consisting of the main motion, altered to include a transition for Technical Resource Manual validity (TRM) implementation as follows (revised sections of Manual 18B):

7a.1 Option A (Default): State or Region Technical Reference Manual

The most current State or regional technical reference manual, issued within 5 years of the installation period for the start of the 25/26 DY, 4 years of the installation period for the start of the 26/27 DY, and 3 years of the installation period for the start of 27/28 DY and for any DY going forward, of the install period and applicable to the location where the Energy Efficiency measure was installed. If there is no applicable state or regional technical reference manual, then Option B shall be used. ~~If there is no applicable state or regional technical reference manual to determine the baseline then Option B shall be used.~~

Following discussion, this alternative **failed** in a sector weighted vote with 3.325 in favor.

[Issue Tracking: Evaluation of Energy Efficiency Resources](#)

4. Capacity Obligations for Forecasted Large Load Adjustments Issue Charge

Michael Cocco, Old Dominion Electric Cooperative, moved and Rory Sweeney, Northern Virginia Electric Cooperative, seconded proposed amendments to the Capacity Obligations for Forecasted Large Load Adjustments Issue Charge currently being addressed at the Market Implementation Committee. Following discussion, the proposed Issue Charge was **approved** by acclamation with no objections and one abstention.

[Issue Tracking: Capacity Obligations for Forecasted Large Load Adjustments](#)

5. Forecast Pool Requirement & Installed Reserve Margin

Patricio Rocha Garrido reviewed updated Forecast Pool Requirement (FPR) and Installed Reserve Margin (IRM) figures for the 2025/2026 Delivery Year. Following discussion, the proposed revisions were **endorsed** in a sector weighted vote with 4.394 in favor.

First Readings

6. Governing Document Clarifying Revisions

Michele Greening reviewed proposed clarifying Tariff, Reliability Assurance Agreement (RAA), and Operating Agreement (OA) revisions addressing market related references as endorsed by the Governing Documents Enhancements and Clarifications Subcommittee (GDECS) in March. The committee will be asked to endorse/approve the proposed Tariff, RAA, and OA revisions at its next meeting.

7. Long Term Regional Transmission Planning (LTRTP) Manual Revisions

Michael Herman reviewed proposed revisions to Manual 14B and Manual 14F addressing long-term regional transmission planning. The committee will be asked to endorse the proposed Manual revisions at its next meeting.

[Issue Tracking: Long Term Regional Transmission Planning](#)

8. Synchronous Condensing Costs

David Hauske reviewed a proposed solution addressing synchronous condensing costs and corresponding revisions to the Operating Agreement (OA), Tariff, Manual 11: Energy & Ancillary Services Market Operations, Manual 15: Cost Development Guidelines and Manual 28: Operating Agreement Accounting. The committee will be asked to approve/endorse the proposed solution and OA, Tariff and Manual revisions at its next meeting.

[Issue Tracking: Synchronous Condensing Costs](#)

9. Dual Fuel Attestation for ELCC

David Scarpignato, Calpine, reviewed a proposed Issue Charge and solution addressing dual fuel attestation for Effective Load Carrying Capability (ELCC) resources. The committee will be asked to approve the Issue Charge and endorse the proposed solution using the Quick Fix process outlined in Manual 34, Section 8.6.1 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 | | |
| | | | | |

| | | | 5:00 p.m. EPT deadline* | |
|---------------------------|-----------|--|-------------------------|--------------------|
| April 25, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | April 15, 2024 | April 18, 2024 |
| May 22, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | May 10, 2024 | May 15, 2024 |
| June 27, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | June 17, 2024 | June 20, 2024 |
| July 24, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | July 12, 2024 | July 17, 2024 |
| August 21, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | August 9, 2024 | August 14, 2024 |
| September 25, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | September 13, 2024 | September 18, 2024 |
| October 30, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | October 18, 2024 | October 23, 2024 |
| November 20, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | November 8, 2024 | November 13, 2024 |
| December 18, 2024 | 9:00 a.m. | PJM Conference & Training Center and WebEx | December 6, 2024 | December 11, 2024 |

*Materials received after 12:00 p.m. EPT are not guaranteed timely posting by 5:00 p.m. EPT on the same day.

Author: D. Anders

Meeting Attendance

Chair/Secretary

| Last Name | First Name | Company | Sector |
|-----------|------------|---------------------|----------------|
| Drauschak | Lisa | PJM Interconnection | Not Applicable |
| Anders | Dave | PJM Interconnection | Not Applicable |

Voting Attendees

| Last Name | First Name | Company | Sector |
|-----------|------------|---|----------------------|
| Anderson | Juliet | Constellation Energy Generation, LLC | Generation Owner |
| Barker | Jason | Vitol Inc. | Generation Owner |
| Borgatti | Michael | Moxie Freedom LLC | Generation Owner |
| Borgatti | Michael | Hill Top Energy Center, LLC | Generation Owner |
| Borgatti | Michael | Lincoln Generating Facility, LLC | Generation Owner |
| Borgatti | Michael | York County Solid Waste and Refuse Authority | Generation Owner |
| Borgatti | Michael | Energy Harbor LLC | Generation Owner |
| Borgatti | Michael | Recurrent Energy, LLC | Other Supplier |
| Borgatti | Michael | Hazleton Generation LLC | Generation Owner |
| Borgatti | Michael | Jersey Green Energy, LLC | Other Supplier |
| Borgatti | Michael | NextEra Energy Marketing, LLC | Other Supplier |
| Borgatti | Michael | Longview Power, LLC | Generation Owner |
| Brodbeck | John | EDP Renewables North America LLC | Generation Owner |
| Bruce | Susan | Messer LLC | End-Use Customer |
| Bruce | Susan | Cleveland-Cliffs Steel LLC | End-Use Customer |
| Bruce | Susan | Linde Inc. | End-Use Customer |
| Bruce | Susan | Lehigh Portland Cement Company | End-Use Customer |
| Bruce | Susan | Air Products & Chemicals, Inc. | End-Use Customer |
| Bruce | Susan | Letterkenny Industrial Development Authority - PA | Electric Distributor |
| Bruce | Susan | Procter & Gamble Paper Products Company (The) | End-Use Customer |
| Bruce | Susan | Kimberly-Clark Corporation | Generation Owner |
| Bruce | Susan | Trustees of the University of Pennsylvania | End-Use Customer |
| Bruce | Susan | Gerdau Ameristeel Energy, Inc. | End-Use Customer |
| Campbell | Bruce | MidAtlantic Power Partners, LLC | Other Supplier |
| 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 |
| Dossin | Sophia | Big Sandy Peaker Plant, LLC | Generation Owner |
| Dugan | Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Esquivel | Manuel | Enel X North America, Inc. | Other Supplier |
| Farnsworth | Byron | Wellsboro Electric Company | Electric Distributor |
| Fishback | Luke | Affirmed Energy LLC | 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 | lcetec.com, Inc. | Other Supplier |
| Fuess | Christian | Kuehne Chemical Company, Inc. | End-Use Customer |
| Fuess | Christian | PBF Power Marketing, LLC | End-Use Customer |
| Hoatson | Tom | Rolling Hills Generating, LLC | 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 | Carroll County Energy LLC | Generation Owner |
| Hyzinski | Thomas | Dynegy Marketing and Trade, LLC | Generation Owner |
| Hyzinski | Thomas | GenOn Energy Management, LLC | Generation Owner |
| 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 | 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 |
| 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 |
| Mason | Gary | Monongahela Power Company d/b/a Allegheny Power | Transmission Owner |
| Matheson | Douglas | SYSO Inc. | Other Supplier |
| Poulos | Greg | Illinois Citizen Utility Board | End-Use Customer |
| Poulos | Greg | Delaware Division of the Public Advocate | End-Use Customer |
| Poulos | Greg | Maryland Office of People's Counsel | End-Use Customer |
| Poulos | Greg | Office of the Attorney General, Kentucky | 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 |
| Poulos | Greg | New Jersey Division of Rate Counsel | End-Use Customer |
| Poulos | Greg | Public Staff - North Carolina Utilities Commission | End-Use Customer |
| Poulos | Greg | Pennsylvania Office of Consumer Advocate | End-Use Customer |
| Rohrbach | John | Southern Maryland Electric Cooperative, Inc. | Electric Distributor |
| Rohrbach | John | Kentucky Municipal Energy Agency | Electric Distributor |
| Rohrbach | John | Wabash Valley Power Association, Inc. | Electric Distributor |

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|-------------|-----------|--|--------------------|
| Scarpignato | David | Calpine Energy Services, L.P. | Generation Owner |
| Stern | Alexander | Exelon Business Services Company, LLC | Transmission Owner |
| Sturgeon | John | Duke Energy Business Services LLC | Transmission Owner |
| 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 |
| Whitehead | Jeffrey | Essential Power Rock Springs, LLC | Generation Owner |
| Whitehead | Jeffrey | Parkway Generation Operating LLC | Generation Owner |
| Whitehead | Jeffrey | 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 |
|----------------|------------|--|----------------------|
| Abd | Alwyiah | First Energy | Transmission Owner |
| Ahuja | Manan | RiverCrest Power-South, LLC | Other Supplier |
| Ament | Todd | Cube Hydro Partners, LLC | Generation Owner |
| Anderson | Jared | S&P Global Inc | None |
| Bainbridge | Tom | Energy Harbor LLC | Generation Owner |
| Barmack | Matt | Calpine Energy Services, L.P. | Generation Owner |
| Batta | Mike | Old Dominion Electric Cooperative | Electric Distributor |
| Bautista | Alejandro | Exelon Business Services Company, LLC | Transmission Owner |
| Bleiweis | Bruce | DC Energy, LLC | Other Supplier |
| Boehnlein | Andrew | Virginia State Corporation Commission | None |
| Bolibruck | Steve | Encentive Energy | None |
| Bond | Danielle | Enerwise Global Technologies, LLC | Other Supplier |
| Breidenbaugh | Aaron | Stones DR, LLC | Other Supplier |
| Briscar | Joseph | Stone, Mattheis, Xenopoulos, & Brew, PC | None |
| Burkholder | Joshua | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Canchi | Devendra | Monitoring Analytics | None |
| Carmean | Gregory | Organization of PJM States, Inc. | None |
| Carrier | Ronald | Big Lake Consulting Group, LLC | None |
| Christopher | Mahila | Public Utilities Commission of Ohio | None |
| Clingan | Kristin | 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 | None |
| Coyle | Billy | Old Dominion Electric Cooperative | Electric Distributor |
| Crim | Jake | NextEra Energy Transmission | Other Supplier |
| Curtis | Kenneth | Enverus Inc. | None |
| Dada | Noorgul | Lightsource BP | Other Supplier |
| Daugherty-Bell | Derrick | Non-member | None |
| Davis | David | Apex Clean Energy Holdings, LLC | None |
| Davis | Jim | Old Dominion Electric Cooperative | Electric Distributor |
| Donohue | Erin | Enel Trading North America, LLC | Other Supplier |
| Dorko | Keri | Monitoring Analytics | None |
| Douglass | Robert | Constellation Energy Generation, LLC | Generation Owner |
| Douglass | Kathryn | Crowell | None |
| Drom | Rick | Non-member | None |
| Edmonds | Brian | DC Public Service Commission | None |
| Evergam | Scott | Blue Horseshoe Energy LLC | None |
| Fabiano | Janell | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| Farnsworth | Barney | Wellsboro Electric Company | Electric Distributor |
| Filomena | Guy | CES | None |
| Fink | Sari | MAREC Action | None |

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|---------------|------------|---|----------------------|
| Fink | Regan | Pine Gate Mid-Atlantic, LLC | Generation Owner |
| Fitch | Neal | NRG Business Marketing LLC (NRGPM) | Other Supplier |
| Ford | Adrien | Constellation Energy Generation, LLC | Generation Owner |
| Foster Cronin | Denise | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Fox | Angela | Affirmed Energy LLC | Other Supplier |
| Frank | Kimberly | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Fultz | McClain | PPL Electric Utilities Corp. dba PPL Utilities (TO) | Transmission Owner |
| Gaddes | Caleb | Lightsource BP | Other Supplier |
| Gannon | Tricia | Delaware Public Service Commission | None |
| Garnett | Bryan | Duke Energy Ohio, Inc. | Transmission Owner |
| Gates | Terry | AEP | Transmission Owner |
| Gilani | Rehan | RWE CLEAN ENERGY WHOLESALE SERVICES, INC. | Other Supplier |
| Glazer | Grant | MN8 Energy Operating Company LLC | None |
| Gordon | Jon | Advanced Energy United | None |
| Gorman | Brad | First Energy | Transmission Owner |
| Granstrand | Luke | Old Dominion Electric Cooperative | Electric Distributor |
| Greene | Ben | AEP | Transmission Owner |
| Grey | Bruce | Samsung C&T American, Inc. | Other Supplier |
| Guntle | Vince | American PowerNet Management, L.P. | End-Use Customer |
| Hastings | David | PSEG Energy Resources and Trade LLC | Other Supplier |
| Heinle | Erik | Vistra | None |
| Helms | Joe | Tyr Energy, LLC | Other Supplier |
| Hudis | Gabriella | Gabel | Other Supplier |
| Hugee | Jacquelynn | Dominion | Transmission Owner |
| Hull | Gerit | American Municipal Power, Inc. | Electric Distributor |
| Hurd | Shawn | Monongahela Power Company d/b/a Allegheny Power | Transmission Owner |
| Hurley | Doug | Icetek Energy Services, Inc. | Other Supplier |
| Hyatt | Earl | Monitoring Analytics | None |
| Hyatt | John | Monitoring Analytics | None |
| Ingraham | Deborah | Acciona Energy North America Corporation | Generation Owner |
| Jacobs | Mike | Union of Concerned Scientists | None |
| Janas | Kim | Office of Illinois Attorney General | End-Use Customer |
| Janicki | Diane | Boston Energy Trading and Marketing LLC | Other Supplier |
| Jones | Scott | Indiana Office of Utility Consumer Counselor | End-Use Customer |
| Kahme | Lauren | Voltus, Inc. | Other Supplier |
| Kalaskar | Rahul | AES Laurel Mountain, LLC | Generation Owner |
| Kaplan | Don | K&L Gates | None |
| Kayne | Samantha | Delaware Public Service Commission | None |
| Kays | Andrew | Northeast Maryland Waste Disposal Authority | Generation Owner |
| Kent | Janessa | Duquesne Light Company | Transmission Owner |
| Keyser | Will | Non-member | None |
| Kirk | Steven | NextEra | Other Supplier |
| Klingensmith | Laurel | American Transmission Systems, Inc. | Transmission Owner |
| Koepplinger | Allie | Michigan Public Service Commission | None |
| Kogut | George | New York Power Authority | Other Supplier |
| Kosner | Bob | Illinois Municipal Electric Agency | Electric Distributor |
| Kozlowski | Brian | Alphataraxia Palladium LLC | Other Supplier |
| Laios | Takis | Appalachian Power Company (AEP Transmission) | Transmission Owner |
| Lee | Aristotle | Grays Ferry Cogeneration Partnership | Generation Owner |
| Lee | Tina | Parkway Generation Operating LLC | Generation Owner |
| Leith Yessian | Devin | RTO Insider | None |
| Lescano | Amanda | New Jersey Board of Public Utilities | None |
| Lifson | Matt | Non-member | None |
| Livingston | Matthew | Energy Authority, Inc. (The) | Other Supplier |
| Ludrosky | Cristy | Ohio Edison Company (ATSI CSP) | Electric Distributor |
| Ma | Yaming | Calpine Energy Services, L.P. | Generation Owner |

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|-------------|-----------|---|----------------------|
| Mabry | David | McNees Wallace & Nurick LLC | None |
| Mar | Schisler | Enerwise Global Technologies, LLC | Other Supplier |
| 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 |
| Mayes | Jeff | Monitoring Analytics | None |
| McClelland | Maura | Public Utilities Commission of Ohio | None |
| McCorry | Hannah | Illinois Commerce Commission | None |
| McDaniel | John | Baltimore Gas and Electric Company | Transmission Owner |
| McDewell | Christian | Pennsylvania Public Utility Commission | None |
| McNeil | Justin | Kentucky Public Service Commission | None |
| Midgley | Sharon | Exelon Business Services Company, LLC | Transmission Owner |
| Miller | John | Calico Energy | None |
| Mok | Alan | Duke Energy Kentucky, Inc. | Transmission Owner |
| Mooney | Jeff | Monongahela Power Company d/b/a Allegheny Power | Transmission Owner |
| Murteira | Ana | PSEG Energy Resources and Trade LLC | Other Supplier |
| Nadel | Steven | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Nader | Jordan | North Carolina Utilities Commission | End-Use Customer |
| Newbill | Brandon | Old Dominion Electric Cooperative | Electric Distributor |
| Newbold | Russ | Enerwise Global Technologies, LLC | Other Supplier |
| Novosel | Sarah | Calpine Energy Services, L.P. | Generation Owner |
| Olinger | Robert | Keystone-Conemaugh Projects, LLC (Conemaugh) | Other Supplier |
| Ondayko | Brock | AEP Energy Partners, Inc. (AEP Gen Resources) | Transmission Owner |
| Osborn | Eric | EDF Trading North America, LLC | Other Supplier |
| Pakela | Gregory | DTE Energy Trading Inc. | Other Supplier |
| Parrot | Sarah | Public Utilities Commission of Ohio | None |
| Patel | Anjali | CPV Maryland LLC | Generation Owner |
| Peoples | John | Duquesne Light Company | Transmission Owner |
| Peskoe | Ari | Harvard Law School | None |
| Pezalla | William | Old Dominion Electric Cooperative | Electric Distributor |
| Pierpont | Dan | Riverside Generating Company, L.L.C. | Generation Owner |
| Pohlod | Michael | Voltus, Inc. | Other Supplier |
| Powers | Sean | Messer LLC | End-Use Customer |
| Price | Ruth | Delaware Public Service Commission | None |
| Pungaliya | Rajat | NedPower Mount Storm, LLC | Generation Owner |
| Quinlan | Pamela | GQ New Energy Strategies | None |
| Reagan | Ryann | New Jersey Board of Public Utilities | None |
| Redwine | Arlo | FERC | None |
| Rettig | Kacie | Rockland Electric Company | Transmission Owner |
| Richards | Wade | Apex Clean Energy Holdings, LLC | None |
| Ritch | John | Trafigura Trading LLC | Other Supplier |
| Ritterbeck | John | Public Utilities Commission of Ohio | None |
| Rode | Advait | Michigan Public Service Commission | None |
| Romero Luna | Joel | Monitoring Analytics | None |
| Rosenthal | Peter | CCI US Power Trading LLC | Other Supplier |
| Rumsey | Amanda | PPL Electric Utilities Corp. dba PPL Utilities (TO) | Transmission Owner |
| Salanek | Alexandra | Monitoring Analytics | None |
| Sammartino | Michael | Maryland Office of People's Counsel | End-Use Customer |
| Samuel | Allison | Virginia State Corporation Commission | None |
| Sasser | Jonathan | Customized Energy Solutions, Ltd. | None |
| Schavrien | Nick | LS Power | None |
| Scheidecker | Paul | Monitoring Analytics | None |
| Schreim | Morris | Maryland Office of People's Counsel | End-Use Customer |
| Seelaus | Andy | Enerwise Global Technologies, LLC | Other Supplier |
| Segner | Sharon | Silver Run Electric, LLC | Transmission Owner |

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|----------------|------------|--|----------------------|
| Senevirathne | Indrajith | NextEra | Other Supplier |
| Shah | Pulin | PECO Energy Company | Transmission Owner |
| Slifer | Diane | GT Power Group, LLC | None |
| Sloan | Ben | Organization of PJM States, Inc. | None |
| Smith | Kara | Buckeye Power, Inc. | Electric Distributor |
| Sotkiewicz | Paul | E-Cubed Policy Associates | None |
| Spinner | Howard | NOVEC | Electric Distributor |
| Sprinkle | Dan | Louisville Gas and Electric Company/Kentucky Utilities Company | Transmission Owner |
| Stadelmeyer | Rebecca | Jersey Green Energy LLC | Other Supplier |
| Steichen | Renae | Bath County Energy, LLC | Generation Owner |
| Stinner | Doug | RWE Clean Energy, LLC | Generation Owner |
| Stone | Andy | Non-member | None |
| Storino | Laura | New Jersey Board of Public Utilities | None |
| Stuchell | Jeff | First Energy | Transmission Owner |
| Stupar | Rob | Invenergy Energy Management LLC | Generation Owner |
| Suh | Jung | Calpine Energy Solutions, LLC | Other Supplier |
| Sussler | Philip | Maryland Office of People's counsel | End-Use Customer |
| Sweeney | Rory | NOVEC | Electric Distributor |
| Talebi | Tessa | FERC | None |
| Tell | Shawn | Non-member | None |
| Theaker | Brian | Big Sandy Peaker Plant, LLC | Generation Owner |
| Thomas | Amber | Exelon Business Services Company, LLC | Transmission Owner |
| Thomas | Glen | GT Power Group, LLC | None |
| Thomas | Gil | NOVEC | Electric Distributor |
| Unger | Matthew | State Corporation Commission (Commonwealth of Virginia) | None |
| VanderLaan | William | Illinois Commerce Commission | None |
| Vargo | Daniel | Allegheny Electric Cooperative Inc. | Electric Distributor |
| Vayda | Brian | Borough of Park Ridge, New Jersey | Electric Distributor |
| Walker | Jennifer | Exelon Business Services Company, LLC | Transmission Owner |
| Webb | Becky | Exelon Business Services Company, LLC | Transmission Owner |
| Werntges | Bernadette | Cpower Energy | None |
| Williamson | Whit | Old Dominion Electric Cooperative | Electric Distributor |
| Wilson | James | Non-member | None |
| Wright | Shawn | Old Dominion Electric Cooperative | None |
| Wylie-Chambers | Ericka | Exelon Business Services Company, LLC | Transmission Owner |
| Wynder | Michael | Altrock | Other Supplier |
| Yasutake | Sarah | Jersey Green Energy LLC | Other Supplier |
| Yu | Haibin | Calpine Energy Services, L.P. | Generation Owner |
| Zack | Marty | Non-member | None |
| Zephyr | Frantz | PSEG Energy Resources and Trade LLC | Other Supplier |
| Zhou | Ming | DXT Commodities North America Inc. | Other Supplier |

PJM Attendees

| Last Name | First Name | Company | Sector |
|------------|------------|---------------------|--------|
| Abdulsalam | Sami | PJM Interconnection | None |
| Afelumo | Foluso | PJM Interconnection | None |
| Anders | David | PJM Interconnection | None |
| Arkatin | Tyler | PJM Interconnection | None |
| Asthana | Manu | PJM Interconnection | None |
| Baker | Scott | PJM Interconnection | None |
| Barrett | Emily | PJM Interconnection | None |

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|-------------|-----------|---------------------|------|
| Base | James | PJM Interconnection | None |
| Belenky | Maria | PJM Interconnection | None |
| Bennett | Daniel | PJM Interconnection | None |
| Bernabeu | Emanuel | PJM Interconnection | None |
| Berner | Aaron | PJM Interconnection | None |
| Bernstein | Matthew | PJM Interconnection | None |
| Bobbio | Emmanuele | PJM Interconnection | None |
| Bowker | Shannon | PJM Interconnection | None |
| Boyle | Glen | PJM Interconnection | None |
| Bresler | Stu | PJM Interconnection | None |
| Bruno | Pat | PJM Interconnection | None |
| Bryson | Mike | PJM Interconnection | None |
| Buehler | Susan | PJM Interconnection | None |
| Burdis | Tim | PJM Interconnection | None |
| Cabezas | Angela | PJM Interconnection | None |
| Carroll | Rebecca | PJM Interconnection | None |
| Chmielewski | Brian | PJM Interconnection | None |
| Ciabattoni | Joe | PJM Interconnection | None |
| Cobb | Patrick | 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 |
| Curley | Maureen | PJM Interconnection | None |
| D'Antonio | Phil | PJM Interconnection | None |
| Del Olmo | Rizki | PJM Interconnection | None |
| DeVita | Thomas | PJM Interconnection | None |
| DiMartino | Denise | PJM Interconnection | None |
| Dirani | Rami | PJM Interconnection | None |
| Downs | Jere | PJM Interconnection | None |
| Drauschak | Lisa | PJM Interconnection | None |
| Eedupuganti | Subbarao | PJM Interconnection | None |
| Egan | Amanda | PJM Interconnection | None |
| Esterly | Terri | PJM Interconnection | None |
| Fan | Zhenyu | PJM Interconnection | None |
| Feng | Julan | PJM Interconnection | None |
| Fitzpatrick | Brian | PJM Interconnection | None |
| Foley | Pauline | PJM Interconnection | None |
| Foster | Tom | PJM Interconnection | None |

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|---------------|----------|---------------------|------|
| Frogg | Darrell | PJM Interconnection | None |
| Glazer | Craig | PJM Interconnection | None |
| Gledhill | Andrew | PJM Interconnection | None |
| Graf | Walter | PJM Interconnection | None |
| Greening | Michele | PJM Interconnection | None |
| Haque | Asim | PJM Interconnection | None |
| Hauske | David | PJM Interconnection | None |
| Hauske | Tom | PJM Interconnection | None |
| Hayik | Seth | PJM Interconnection | None |
| Herel | Suzanne | PJM Interconnection | None |
| Herman | Mike | PJM Interconnection | None |
| Hicks | Colleen | PJM Interconnection | None |
| Hislop | David | PJM Interconnection | None |
| hoang | liem | PJM Interconnection | None |
| Holter | Natasha | PJM Interconnection | None |
| Horger | Tim | PJM Interconnection | None |
| Hsia | Eric | PJM Interconnection | None |
| Hu | Yong | PJM Interconnection | None |
| Jones | Ryan | PJM Interconnection | None |
| Karandrikas | Vicki | PJM Interconnection | None |
| Keech | Adam | PJM Interconnection | None |
| Kelly | Gwen | PJM Interconnection | None |
| Kern | Jonathan | PJM Interconnection | None |
| Keshavamurthy | Bhavana | PJM Interconnection | None |
| Khan | Aftab | PJM Interconnection | None |
| Kim | Sung | PJM Interconnection | None |
| Kimmel | David | PJM Interconnection | None |
| Konowal | Richard | PJM Interconnection | None |
| Lacek | Mollie | 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 |
| Martin | Amanda | PJM Interconnection | None |
| Marzewski | Skyler | PJM Interconnection | None |
| McAnany | James | PJM Interconnection | None |
| McElwaine | Kathy | PJM Interconnection | None |
| McGill | Susan | PJM Interconnection | None |

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|---------------|-------------|---------------------|------|
| McGlynn | Paul | PJM Interconnection | None |
| McGovern | Jason | PJM Interconnection | None |
| McLavery | Megan | PJM Interconnection | None |
| Mills | David | PJM Board | None |
| Morelli | Lisa | PJM Interconnection | None |
| Moscovitz | Daniel | PJM Interconnection | None |
| Mroz | David | PJM Interconnection | None |
| Muhl | Nancy | PJM Interconnection | None |
| Murphy Lee | Lori | PJM Interconnection | None |
| Noonan | Casey | PJM Interconnection | None |
| O'Brien | Thomas | PJM Interconnection | None |
| O'Hara | Christopher | PJM Interconnection | None |
| Oskvig | Dean | PJM Board | None |
| Panchal | Hitesh | PJM Interconnection | None |
| Patel | Anita | PJM Interconnection | None |
| Patel | Harshil | PJM Interconnection | None |
| Patel | Keyur | PJM Interconnection | None |
| Perera | Asanga | PJM Interconnection | None |
| Phillips | Darlene | PJM Interconnection | None |
| Pilong | Christopher | PJM Interconnection | None |
| Pilong | Melissa | PJM Interconnection | None |
| Pincus | Steven | PJM Interconnection | None |
| Quevada | Jason | PJM Interconnection | None |
| Robinson | Evelyn | PJM Interconnection | None |
| Rocha Garrido | Patricio | PJM Interconnection | None |
| Salmon | Lisa | PJM Interconnection | None |
| Scheirer | Alex | PJM Interconnection | None |
| Scherling | Eric | PJM Interconnection | None |
| Schuyler | Ken | PJM Interconnection | None |
| Seiler | Ken | PJM Interconnection | None |
| Shah | Vijay | PJM Interconnection | None |
| Shields | Jeffrey | PJM Interconnection | None |
| Sliwa | Stanley | PJM Interconnection | None |
| Souder | Michelle | PJM Interconnection | None |
| Staevska | Asya | PJM Interconnection | None |
| Stanek | Jason | PJM Interconnection | None |
| Stanisz | Mark | PJM Interconnection | None |
| Stefanowicz | Vince | PJM Interconnection | None |
| Stemetzki | Mike | PJM Interconnection | None |
| Swimm | Nora | PJM Interconnection | None |

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|-----------|----------|---------------------|------|
| Takahashi | Mark | PJM Board | None |
| Taylor | Daniel | PJM Interconnection | None |
| Tribulski | Jennifer | PJM Interconnection | None |
| VanZandt | Vickie | PJM Board | None |
| Vinnik | Daniel | PJM Interconnection | None |
| Waweru | James | PJM Interconnection | None |
| Wharton | Matthew | PJM Interconnection | None |
| Widom | Stu | PJM Interconnection | None |
| Zamojcin | Ann | PJM Interconnection | None |
| Zhang | Michael | PJM Interconnection | None |