

**Members Committee**  
**Two Hundred Twenty-third Meeting**  
**Webex Only**  
**March 23, 2022**  
**1:15 p.m. – 5:00 p.m. EPT**

## Administration (1:15-1:25)

Erik Heinle, Members Committee Chair, welcomed stakeholders to the meeting.

A. David Anders announced the following new member companies approved for PJM membership since the last meeting:

- CCI US Power Trading LLC (Affiliate Member) selected the Other Supplier sector
- Leapfrog Power, Inc. (Voting Member) selected the Other Supplier sector

He noted that two members had withdrawn since the last meeting and that the total membership stands at 1090. Thirty-four withdrawn members await FERC approval prior to their membership being terminated.

B. David Anders confirmed the presence of a quorum.

C. David Anders reminded participants of Antitrust, Code of Conduct, and Meeting Participation guidelines.

David Anders provided the following reminder regarding Annual Member Recertification Process requirements:

The 2022 PJM Annual Recertification period is currently open in the PJM Membership Management Community.

- Full members are required to recertify member information in the Membership Management Community by **April 15, 2022** per the requirements of the OA, Section 11.3.1 and PJM Manual 33.
  - Full members that fail to complete the annual Member recertification requirements listed in Manual 33, section 3.1.11 will be considered in non-monetary breach of the PJM Operating Agreement for failure to comply with Operating Agreement, section 11.3.1.
- Market Participants are required to submit an Annual Officer Certification Form by **April 29, 2022** per the requirements of the PJM Tariff, Attachment Q.
  - The Annual Officer Certification Form is required to be completed and submitted each year for all active Market Participants. Market Participants that fail to provide its annual officer certification form by April 29 will not be able to transact in any PJM Markets and PJM will disable the Market Participant's access to any PJM Markets until PJM receives the certification. **(This year the form is due April 29 since April 30 falls on a Saturday)**

If a member has not already completed this **required recertification**, please do so as soon as possible. For questions or more information on the membership recertification, please reach out to the Membership team ([membershipforms@pjm.com](mailto:membershipforms@pjm.com)) and for questions on the Officer Certification, please reach out to the Credit Team ([credit\\_hotline@pjm.com](mailto:credit_hotline@pjm.com)).

Steve Lieberman, American Municipal Power, moved and Bruce Bleiweis, DC Energy, seconded amending the agenda to include the following additional voting options to occur following voting on the alternatives included in agenda item 1.B:

5. Do you endorse the 97% CI accompanied by supporting rationale as your 1<sup>st</sup> preference?
6. Do you endorse replacing the 97% CI with the 99% CI as your 1<sup>st</sup> preference?
7. Do you endorse the 97% CI, and then moving to the 99% CI in one year as your 1<sup>st</sup> preference?

This motion to amend the agenda was **approved** by acclamation with no objections and eight abstentions.

Alex Stern, PSEG, noted the Transmission Owners' perspective that PJM had fulfilled its obligation to consult with the Transmission Owners through its presentation to the March 14, 2022 Special Meeting of the Transmission Owners Agreement – Administrative Committee. Alex Stern moved and Sharon Midgley, Exelon, seconded amending the agenda to strike the reference to the Transmission Owners and the CTOA from agenda item 1. This motion to amend the agenda was **approved** by acclamation with no objections or abstentions.

## Consent Agenda (1:25-1:30)

Items A and B were **approved** by acclamation with no objections and one abstention:

- A. Draft minutes of the February 18, 2022 Special Members Committee meeting.
- B. Draft minutes of the February 24, 2022 Members Committee meeting.

## Endorsements (1:30-2:30)

1. FTR Credit Requirement including Historical Simulation Initial Margin – Consultation with the Transmission Owners and the Members Committee pursuant to PJM Tariff, Section 9.2(b) and Consolidated Transmission Owners Agreement, Section 7.5.1(ii) in advance of a potential PJM filing under Federal Power Act Section 205

- A. Nigeria Bloczynski provided an update on the recent FERC order regarding FTR Credit Requirements for Historical Simulation Initial Margin and will discuss next steps.
- B. Steve Lieberman provided a related presentation. Steve Lieberman moved and Bruce Bleiweis seconded the following motions:

1. Approve waiving the rules in Manual 34 section 9.7, Motion Voting Order, to allow voting more than one motion (i.e. NOT to use truncated voting).

2. Endorse the FTR Credit Requirement revisions, including the HSIM Initial Margining proposal, filed by PJM on December 21, 2021, as amended, **with the 97% confidence interval (CI) accompanied by some new supporting rationale.**
3. Endorse the FTR Credit Requirement revisions, including the HSIM Initial Margining proposal, filed by PJM on December 21, 2021, as amended, **replacing the 97% confidence interval (CI) with the 99% CI.**
4. Endorse the FTR Credit Requirement revisions, including the HSIM Initial Margining proposal, filed by PJM on December 21, 2021, as amended, **with the 97% confidence interval (CI), and then moving to the 99% CI in one year.**
5. Do you endorse the **97% CI** accompanied by supporting rationale as your **1<sup>st</sup> preference**?
6. Do you endorse **replacing the 97% CI with the 99% CI** as your **1<sup>st</sup> preference**?
7. Do you endorse the **97% CI, and then moving to the 99% CI** in one year as your **1<sup>st</sup> preference**?

The committee was asked to vote on the above motions upon first read; there were no objections.

The motion to suspend the rules was **approved** by acclamation with no objections or abstentions.

Erik Heinle noted that results of the following votes were advisory, and not binding on PJM's discretion in determining content of any filing that PJM may make under FPA Section 205. Sector-weighted voting results were as follows:

2. Endorse the FTR Credit Requirement revisions, including the HSIM Initial Margining proposal, filed by PJM on December 21, 2021, as amended, with the 97% confidence interval (CI) accompanied by some new supporting rationale: **3.903 in favor**
3. Endorse the FTR Credit Requirement revisions, including the HSIM Initial Margining proposal, filed by PJM on December 21, 2021, as amended, replacing the 97% confidence interval (CI) with the 99% CI: **2.257 in favor.**
4. Endorse the FTR Credit Requirement revisions, including the HSIM Initial Margining proposal, filed by PJM on December 21, 2021, as amended, with the 97% confidence interval (CI), and then moving to the 99% CI in one year: **3.017 in favor.**
5. Do you endorse the 97% CI accompanied by supporting rationale as your 1<sup>st</sup> preference? **3.266 in favor**
6. Do you endorse replacing the 97% CI with the 99<sup>th</sup>% as your 1<sup>st</sup> preference? **0.507 in favor**
7. Do you endorse the 97% CI, and then moving to the 99% CI in one year as your 1<sup>st</sup> preference? **1.439 in favor**

## First Reads (2:30-2:45)

### 2. Manual 34 Revision - Paper Ballot Voting

Michele Greening reviewed proposed revisions to Manual 34: Stakeholder Process to update the paper ballot process. The committee will be asked to approve the proposed Manual 34 revisions at its next meeting.

## Reports (2:45-3:00)

### Informational Update Regarding Fuel Cost Policies and Penalty Provisions

Chen Lu provided an update to inform Members of a minor additional redline to the Operating Agreement revisions that were previously endorsed at the February MC concerning Fuel Cost Policies. This addition will ensure that non-compliant cost offers caused by the same error are handled as one penalty consistent with the stakeholder endorsed package and will be incorporated into PJM's section 205 filing with the Federal Energy Regulatory Commission.

### 3. MC Vice Chair Report (2:45-2:55)


- A. Becky Robinson provided an update on the Members Committee Annual Plan.
- B. Becky Robinson provided a review of the April 19, 2022 Liaison Committee meeting with the PJM Board of Managers.

### 4. Webinar Feedback (2:55-3:00)

Greg Poulos, CAPS, noted appreciation for the announcement at the March 21, 2022 Members Committee Webinar regarding posting of minutes of the Board of Managers.

## Future Agenda Items (3:00)

No new future agenda items were identified.

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Location		
<i>April 27, 2022</i>	1:15 p.m.	WebEx	April 15, 2022	April 20, 2022
<i>May 17, 2022</i>	10:30 a.m.	PJM Conference & Training Center and WebEx	May 5, 2022	May 10, 2022
<i>June 29, 2022</i>	1:15 p.m.	PJM Conference & Training Center and WebEx	June 17, 2022	June 22, 2022
<i>July 27, 2022</i>	1:15 p.m.	PJM Conference & Training Center and WebEx	July 15, 2022	July 20, 2022
<i>September 21, 2022</i>	1:15 p.m.	PJM Conference & Training Center and WebEx	September 9, 2022	September 14, 2022

* October 26, 2022 *tentative dates & time	* 9:00 a.m.	Off-site TBD	* October 14, 2022	* October 19, 2022
November 16, 2022	1:15 p.m.	PJM Conference & Training Center and WebEx	November 4, 2022	November 9, 2022
December 21, 2022	1:15 p.m.	PJM Conference & Training Center and WebEx	December 9, 2022	December 14, 2022

Author: D. Anders

## Meeting Attendance

### Chair/Vice Chair/Secretary

Last Name	First Name	Company	Sector
Heinle	Erik	Office of the People's Counsel for the District of Columbia	End-Use Customer
Robinson	Becky	Dynergy Marketing and Trade, LLC	Generation Owner
Anders	David	PJM Interconnection, LLC	Not Applicable

### Voting Attendees

Last Name	First Name	Company	Sector
Barker	Jason	Constellation Energy Generation, LLC	Generation Owner
Benckek	Jim	American Transmission Systems, Inc.	Transmission Owner
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Bleiweis	Bruce	Shell Energy North America (US), L.P.	Other Supplier
Borgatti	Michael	Rep.'g Cypress Creek Renewables, LLC	Generation Owner
Borgatti	Michael	Rep.'g Eagle Point Power Generation, LLC	Generation Owner
Borgatti	Michael	Rep.'g Energy Harbor LLC	Generation Owner
Borgatti	Michael	Rep.'g Hazleton Generation LLC	Generation Owner
Borgatti	Michael	Rep.'g Jersey Green Energy, LLC	Other Supplier
Borgatti	Michael	Rep.'g Longview Power, LLC	Generation Owner
Borgatti	Michael	Rep.'g Moxie Freedom LLC	Generation Owner
Borgatti	Michael	Rep.'g Newark Energy Center, LLC	Generation Owner
Borgatti	Michael	Rep.'g NextEra Energy Marketing, LLC	Other Supplier
Borgatti	Michael	Rep.'g Recurrent Energy, LLC	Other Supplier
Borgatti	Michael	Rep.'g York County Solid Waste and Refuse Authority	Generation Owner
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
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 Gerdau Ameristeel Energy, Inc.	End-Use Customer
Bruce	Susan	Rep.'g Industrial Energy Users-Ohio	Other Supplier
Bruce	Susan	Rep.'g Kimberly-Clark Corporation	Generation Owner
Bruce	Susan	Rep.'g Lehigh Portland Cement Company	End-Use Customer
Bruce	Susan	Rep.'g Letterkenny Industrial Development Authority - PA	Electric Distributor
Bruce	Susan	Rep.'g Linde Inc.	End-Use Customer
Bruce	Susan	Rep.'g MeadWestvaco Corporation	End-Use Customer



Bruce	Susan	Rep.'g Messer LLC	End-Use Customer
Bruce	Susan	Rep.'g Procter & Gamble Paper Products Company (The)	End-Use Customer
Bruce	Susan	Rep.'g Trustees of the University of Pennsylvania	End-Use Customer
Bruce	Susan	Rep.'g Wellsboro Electric Company	Electric Distributor
Canter	David	Appalachian Power Company	Transmission Owner
Chu	Michael	Forest Investment Group, LLC	Other Supplier
Conn	Jeff	Big Bend Trading, LLC	Other Supplier
Davis	James	Virginia Electric & Power Company	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Dorner	Amber	Rockland Electric Company	Transmission Owner
Duensing	Allison	Saracen Energy East LP	Other Supplier
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fazio	Danielle	Engelhart CTP (US) LLC	Other Supplier
Fishback	Luke	Affirmed Energy LLC	Other Supplier
Foladare	Kenneth	Geenex Solar LLC	Other Supplier
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess	Christian	Rep.'g Diamond State Generation Partners, LLC	Generation Owner
Fuess	Christian	Rep.'g Icetec.com, Inc.	Other Supplier
Fuess	Christian	Rep.'g Kuehne Chemical Company, Inc.	End-Use Customer
Fuess	Christian	Rep.'g NextPower III US Holdco Inc.	Generation Owner
Fuess	Christian	Rep.'g PBF Power Marketing, LLC	End-Use Customer
Garnett	Bryan	Duke Energy Business Services LLC	Transmission Owner
Gibbs	Ike	Citadel FNGE Ltd.	Other Supplier
Gorman	Kevin	The Highlands Energy Group, LLC	Other Supplier
Hepplewhite	Peter	Wrigley Capital LLC	Other Supplier
Hoatson	Tom	Riverside Generating Company, L.L.C.	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Hyzinski	Thomas	Rep.'g Carroll County Energy LLC	Generation Owner
Hyzinski	Thomas	Rep.'g Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	Rep.'g GenOn Energy Management, LLC	Generation Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	NRG Power Marketing LLC	Generation Owner
Johnson	Carl	Rep.'g Allegheny Electric Cooperative, Inc.	Electric Distributor
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 Galt Power, Inc.	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 North Carolina Municipal Power Agency Number 1	Other Supplier
Johnson	Carl	Rep.'g Northern Illinois Municipal Power Agency	Electric Distributor
Johnson	Carl	Rep.'g Northern Virginia Electric Cooperative (NOVEC)	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
Kauffman	Brian	Rep.'g Enel X North America, Inc.	Other Supplier
Kauffman	Brian	Rep.'g Open Road Renewables, LLC	Other Supplier
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Klein	Abram	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Li	Grace	Altro Power LLC	Other Supplier
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Poulos	Greg	Rep.'g Consumer Protection and Advocate Division of the Tennessee Attorney General	End-Use Customer
Poulos	Greg	Rep.'g Delaware Division of the Public Advocate	End-Use Customer
Poulos	Greg	Rep.'g Illinois Citizen Utility Board	End-Use Customer
Poulos	Greg	Rep.'g Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Poulos	Greg	Rep.'g Maryland Office of People's Counsel	End-Use Customer
Poulos	Greg	Rep.'g Michigan Department of Attorney General, Environment, Natural Resources, & Agriculture Division	End-Use Customer
Poulos	Greg	Rep.'g New Jersey Division of Rate Counsel	End-Use Customer
Poulos	Greg	Rep.'g Office of the Attorney General, Kentucky	End-Use Customer
Poulos	Greg	Rep.'g Office of the People's Counsel for the District of Columbia	End-Use Customer
Poulos	Greg	Rep.'g Ohio Consumers' Counsel	End-Use Customer
Poulos	Greg	Rep.'g Pennsylvania Office of Consumer Advocate	End-Use Customer
Poulos	Greg	Rep.'g Public Staff - North Carolina Utilities Commission	End-Use Customer
Poulos	Greg	Rep.'g Virginia Division of Consumer Counsel	End-Use Customer
Poulos	Greg	Rep.'g West Virginia Consumer Advocate Division	End-Use Customer

Ramsey	James	Perast Fund LP	Other Supplier
Rohrbach	John	Big Savage, LLC	Generation Owner
Rohrbach	John	Rep.'g Kentucky Municipal Energy Agency	Electric Distributor
Rohrbach	John	Rep.'g Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Rohrbach	John	Rep.'g Wabash Valley Power Association, Inc.	Electric Distributor
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Sidhom	Noha	Rep.'g SESCO Enterprises, LLC	Other Supplier
Sidhom	Noha	Rep.'g Strom Power, LLC	Other Supplier
Sidhom	Noha	Rep.'g Viribus Fund LP	Other Supplier
Skucas	Ruta	Rep.'g Alphataraxia Palladium LLC	Other Supplier
Skucas	Ruta	Rep.'g Ames Energy, LLC	Other Supplier
Skucas	Ruta	Rep.'g BJ Energy, LLC	Other Supplier
Skucas	Ruta	Rep.'g Boston Energy Group, Inc.	Other Supplier
Skucas	Ruta	Rep.'g Greene Energy NE LLC	Other Supplier
Skucas	Ruta	Rep.'g Hexis Energy Trading, LLC	Other Supplier
Skucas	Ruta	Rep.'g MAG Energy Solutions, Inc.	Other Supplier
Skucas	Ruta	Rep.'g Monterey MA LLC	Other Supplier
Skucas	Ruta	Rep.'g Precept Power LLC	Other Supplier
Skucas	Ruta	Rep.'g Pure Energy, Inc.	Other Supplier
Skucas	Ruta	Rep.'g Red Wolf TX2, LLC	Other Supplier
Skucas	Ruta	Rep.'g Taller Cube, LLC	Other Supplier
Skucas	Ruta	Rep.'g Velocity American Energy Master I, L.P.	Other Supplier
Steele	Robert	Sanitas Power, LLC	Other Supplier
Stern	Alex	Public Service Electric and Gas Company	Transmission Owner
Stupar	Rob	Invenergy, LLC	Generation Owner
Sun	Xijian	Saugatuck River Power Trading LLC	Other Supplier
Swalwell	Bradley	Tangent Energy Solutions, Inc.	Other Supplier
Thompson	Matt	XO Energy MA, L.P.	Other Supplier
Vayda	Brian	Rep.'g Borough of Butler, Butler Electric Division	Electric Distributor
Vayda	Brian	Rep.'g Borough of Lavallette, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Madison, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Milltown, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Park Ridge, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Pemberton, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of Seaside Heights, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Borough of South River, New Jersey	Electric Distributor
Vayda	Brian	Rep.'g Vineland Municipal Electric Utility	Electric Distributor
Wadsworth	Joe	Vitol Inc.	Generation Owner
Whitehead	Jeffrey	Rep.'g Eastern Generation, LLC	Generation Owner
Whitehead	Jeffrey	Rep.'g Essential Power Rock Springs, LLC	Generation Owner



Whitehead	Jeffrey	Rep.'g Neptune Regional Transmission System, LLC	Transmission Owner
Whitehead	Jeffrey	Rep.'g Wheelabrator Falls Inc.	Generation Owner
Wieland	John	Leeward Asset Management, LLC	Generation Owner
Woodyard	Phillip	WGL Energy Services, Inc.	Other Supplier
Yovanovich	Laura	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner

## Non-Voting Attendees

Last Name	First Name	Company Name	Sector
Adams	Sean	Public Service Electric and Gas Company	Transmission Owner
Barrow	Kim	Pennsylvania Public Utility Commission	Not Applicable
Berkow	Josh	BG Energy Merchants, LLC	Not Applicable
Berman	Dave	Wright Talisman	Not Applicable
Berton	Tyler	Appalachian Power Company	Transmission Owner
Bowring	Joe	Monitoring Analytics, LLC	Not Applicable
Boyle	Stephen	Merion Energy	Not Applicable
Brady	George	Ohio Valley Electric	Transmission Owner
Brahman	Azade	Orsted US Trading LLC	Other Supplier
Burnham	Kat	Advance Energy Economy Inc.	Not Applicable
Callen	Zac	Illinois Commerce Commission	Not Applicable
Carmean	Gregory	OPSI	Not Applicable
Carrier	Ron	Big Lake Consulting	Not Applicable
Chen	Monica	Capstone	Not Applicable
Christopher	Mahila	Public Utilities Commission Of Ohio	Not Applicable
Chu	Michael	Forest Investment Group LLC	Other Supplier
Circelli	Roseanne	Public Service Electric and Gas Company	Transmission Owner
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Conn	Jeff	Big Bending Trading, LLC	Other Supplier
Corash	Richard	Public Service Electric and Gas Company	Transmission Owner
Curtis	Kenneth	Enverus	Not Applicable
Dadourian	John	Monitoring Analytics, LLC	Not Applicable
Davis	David	Not Applicable	Not Applicable
Dixit	Anuj	Recurrent Energy, LLC	Other Supplier
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Duquaine	Mark	Southern Maryland Electric Cooperative, Inc.	Electric Distributor
Eaker	Katie	Tenaska Power Services Co.	Generation Owner
Elkins	Rachel	Energy Harbor LLC	Generation Owner
Erickson	Christine	Illinois Commerce Commission	Not Applicable
Evrard	David	Pennsylvania Office Of Consumer Advocate	End-Use Customer
Fazio	Danielle	Engelhart CTP (US) LLC	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable

Fishback	Luke	Affirmed Energy LLC	Other Supplier
Foster	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fuller	Peter	Autumn Lane Energy Consulting	Not Applicable
Gates	Terry	Appalachian Power Company	Transmission Owner
Ghayas	Awais	Lightsource Renewable Energy Development, LLC	Other Supplier
Ghodsian	Arash	EDP Renewables North America LLC	Generation Owner
Gibbons	Jaret	Arippa	Not Applicable
Gibbs	Ike	Citadel FNGE Ltd.	Other Supplier
Gilani	Rehan	Consolidated Edison Energy, Inc.	Other Supplier
Gonzalez	Rodrigo	Acciona Energy North America Corporation	Generation Owner
Good	Megan	Pennsylvania Public Utility Commission	Not Applicable
Gorman	Brad	Energy Harbor LLC	Generation Owner
Gorman	Kevin	The Highlands Energy Group, LLC	Other Supplier
Grieve	Andrew	Pine Gate Renewables, LLC	Not Applicable
Halay	Alina	FERC	Not Applicable
Hanser	Erik	Michigan Public Service Commission	Not Applicable
Hastings	David	DHAST Co.	Not Applicable
Hehir	Flannan	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Heider	Benjamin	Aces Power Marketing	Not Applicable
Heinle	Erik	Office of the People's Counsel for the District of Columbia	End-Use Customer
Herbert	Sebastian	DC Energy, LLC	Other Supplier
Hicks	Dave	Perast Fund	Other Supplier
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holstein	Matt	Duke Energy Business Services LLC	Transmission Owner
Horning	Lynn	Customized Energy Solutions, Ltd.	Not Applicable
Hudis	Gabriella	Gabel & Associates	Not Applicable
Hudson	Jeff	Urban Grid Solar Projects, LLC	Other Supplier
Hull	Gerit	American Municipal Power	Electric Distributor
Huntoon	Steve	Chesapeake Transmission LLC	Other Supplier
Iler	Art	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Islam	Lubaba	Rockland Electric Company	Transmission Owner
Janapareddy	Anupana	National Grid Renewables	Not Applicable
Jett	William	Duke Energy Business Services LLC	Transmission Owner
Kazerooni	Hamid	Invenergy, LLC	Generation Owner
Keenan	Matthew	Elwood Energy LLC	Generation Owner
Kent	Janessa	Duquesne Light Company	Transmission Owner
Knotts	Pamela	Delaware Public Service Commission	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Kuhn	Tyler	Citadel FNGE Ltd.	Other Supplier
Labrecque	Richard	Eversource	Not Applicable

Laios	Takis	Appalachian Power Company	Transmission Owner
Lee	Grace	Altro Power LLC	Other Supplier
Lichtin	Steven	Cypress Creek Renewables, LLC	Generation Owner
MacLeansberry	Kirk	Teichos Energy	Not Applicable
Martin	Valerie	Federal Energy Regulatory Commission	Transmission Owner
Matheson	Eric	Delaware Public Service Commission	Not Applicable
Matuszak	Alex	UGI Utilities, Inc.	Transmission Owner
McDonald	Gary	HIS Market	Not Applicable
McNeil	Justin	Kentucky Public Service Commission	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Miller	John	Commonwealth Edison Company	Not Applicable
Mooney	Jeff	Energy Harbor LLC	Generation Owner
Moye	Bob	Tyr Energy, LLC	Other Supplier
Nadel	Steven	Ppl Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Nader	Jordan	Public Staff Of Nc Utilities Commiss	Not Applicable
Nix	Emma	Gabel & Associates	Not Applicable
Noelsaint	Merancia	DC Public Service Commission	Not Applicable
Olinger	Robert	Gen Ops, LLC	Other Supplier
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Peoples	John	Duquesne Light Company	Transmission Owner
Pratt	Nicholas	Ppl Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Price	Mark	DC Energy, LLC	Other Supplier
Price	Ruth	Delaware Division of the Public Advocate	End-Use Customer
Price	Rob	Sun Energy 1	Not Applicable
Proconiar	Jason	Buckeye Power, Inc.	Electric Distributor
Ptak	Anton	EDP Renewables North America LLC	Generation Owner
Rahimi	Farrokh	OPEN ACCESS TECHNOLOGY INTERNATIONAL, INC.	Not Applicable
Rainey	Frank	PEI Power LLC	Generation Owner
Ranaweera	Aruna	Hecate Energy Highland LLC	Generation Owner
Robichaud	Donna	Geenex Solar LLC	Other Supplier
Robinson	Becky	Vistra Corporation	Not Applicable
Robson	Matt	Sesco Enterprises, LLC	Other Supplier
Rodriguez	Tomas	OPSI	Not Applicable
Rogers	Aaron	Kentucky Power Company	Transmission Owner
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, Ltd.	Not Applicable
Schmidt	David	New Jersey Board Of Public Utilities	Not Applicable
Schreim	Morris	Maryland Public Service Commission	Not Applicable

Seide	Richard	Apex Energy	Not Applicable
Sells	Scott	East Kentucky Power Cooperative, Inc.	Transmission Owner
Shah	Pulin	Exelon Business Services Company, LLC	Transmission Owner
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sharpe	Ian	Leeward Renewable Energy, LLC	Not Applicable
Shegarfi	Roosbeh	Exelon Business Services Company, LLC	Transmission Owner
Sidhom	Noah	Virbus Fund LP	Other Supplier
Silveira	Fabiano	Strom Power, LLC	Other Supplier
Skumanich	Bill	RTR Energy Solutions	Not Applicable
Sock	Bryan	Cogentrix	Not Applicable
Sorber	Eric	UGI Utilities, Inc.	Transmission Owner
Squibb	Bill	Ohio Valley Electric	Transmission Owner
Stanfill	Susan	Pine Gate Renewables, LLC	Not Applicable
Steele	Robert	Hyllgarth Energy	Not Applicable
Stines	Zachary	Borrego Solar Systems, Inc.	Not Applicable
Stone	Andy	Gabel & Associates	Not Applicable
Stuchell	Jeff	Energy Harbor LLC	Generation Owner
Stupar	Rob	Invenergy, LLC	Generation Owner
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sun	Xijian	Saugatuck River Power Trading LLC	Other Supplier
Svenson	Heather	Public Service Electric and Gas Company	Transmission Owner
Tanenhaus	Stefanie	Citadel FNGE Ltd.	Other Supplier
Tatum	Ed	American Municipal Power	Electric Distributor
Taylor	Robert	Exelon Business Services Company, LLC	Transmission Owner
Thomas	Amber	Exelon Business Services Company, LLC	Transmission Owner
Tibbetts	Maeve	K&Gatz	Not Applicable
Trinkle	Elizabeth	Wright & Talisman	Not Applicable
Vanderlaan	Bill	Illinois Commerce Commission	Not Applicable
Velumylyum	Ganesh	Brightnight Power	Not Applicable
Villarreal	Jose	Acciona Energy North America Corporation	Generation Owner
Volpe	Mike	Open Road Renewables	Other Supplier
Walcatch	Collin	Natiional Grid Renewables	Not Applicable
Walker	Jennifer	Exelon Business Services Company, LLC	Transmission Owner
Wehnes	Kathleen	Maryland of Department of the Environment	Not Applicable
Weiser	Spencer	CRA	Not Applicable
White	Brett	Pine Gate Renewables, LLC	Not Applicable
Wilkinson	Eric	Orsted US Trading LLC	Other Supplier
Woodyard	Phil	WGL Energy Services, Inc.	Other Supplier
Yoder	Michael	RTO Insider	Not Applicable
Young	Dan	Altro Power LLC	Other Supplier

Yovanovich	Laura	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Yu	Wang	AXPO U.S. LLC	Other Supplier

## PJM Attendees

Last Name	First Name	Company	Sector
Alva	Christian	PJM Interconnection, LLC	Not Applicable
Asthana	Manu	PJM Interconnection, LLC	Not Applicable
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Bernstein	Matthew	PJM Interconnection, LLC	Not Applicable
Blackwell	Terry	PJM Interconnection, LLC	Not Applicable
Bloczynski	Nigeria	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Bruno	Patrick	PJM Interconnection, LLC	Not Applicable
Bryson	Michael	PJM Interconnection, LLC	Not Applicable
Buehler	Susan	PJM Interconnection, LLC	Not Applicable
Bunting	Henry	PJM Interconnection, LLC	Not Applicable
Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Caven	Augustine	PJM Interconnection, LLC	Not Applicable
Caven	Onyinye	PJM Interconnection, LLC	Not Applicable
Connell	Jason	PJM Interconnection, LLC	Not Applicable
Coyne	Suzanne	PJM Interconnection, LLC	Not Applicable
Croop	Danielle	PJM Interconnection, LLC	Not Applicable
D'Antonio	Phil	PJM Interconnection, LLC	Not Applicable
Delviscio	Mike	PJM Interconnection, LLC	Not Applicable
Dent	Duane	PJM Interconnection, LLC	Not Applicable
Devita	Thomas	PJM Interconnection, LLC	Not Applicable
Drauschak	Lisa	PJM Interconnection, LLC	Not Applicable
Egan	Amanda	PJM Interconnection, LLC	Not Applicable
Egan	David	PJM Interconnection, LLC	Not Applicable
Endress	Eric	PJM Interconnection, LLC	Not Applicable
Feng	Julian	PJM Interconnection, LLC	Not Applicable
Foster	Tom	PJM Interconnection, LLC	Not Applicable
Franks	Ed	PJM Interconnection, LLC	Not Applicable
Glazer	Craic	PJM Interconnection, LLC	Not Applicable
Glazer	Craig	PJM Interconnection, LLC	Not Applicable
Graf	Walter	PJM Interconnection, LLC	Not Applicable
Green	Chris	PJM Interconnection, LLC	Not Applicable
Haque	Asim	PJM Interconnection, LLC	Not Applicable
Hatch	Kevin	PJM Interconnection, LLC	Not Applicable
Hauske	Thomas	PJM Interconnection, LLC	Not Applicable



Hay	Joseph	PJM Interconnection, LLC	Not Applicable
Heater	Megan	PJM Interconnection, LLC	Not Applicable
Herman	Michael	PJM Interconnection, LLC	Not Applicable
Horger	Timothy	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hu	Yong	PJM Interconnection, LLC	Not Applicable
Kenney	Susan	PJM Interconnection, LLC	Not Applicable
Kovler	Ed	PJM Interconnection, LLC	Not Applicable
Krizenoskas	Lisa	PJM Interconnection, LLC	Not Applicable
Kuras	Mark	PJM Interconnection, LLC	Not Applicable
Lai	Erin	PJM Interconnection, LLC	Not Applicable
Langbein	Pete	PJM Interconnection, LLC	Not Applicable
Lu	Chen	PJM Interconnection, LLC	Not Applicable
McElwaine	Kathy	PJM Interconnection, LLC	Not Applicable
McGlynn	Paul	PJM Interconnection, LLC	Not Applicable
McLavery	Megan	PJM Interconnection, LLC	Not Applicable
Ng	Perry	PJM Interconnection, LLC	Not Applicable
Nice	Ryan	PJM Interconnection, LLC	Not Applicable
Oakes	Brian	PJM Interconnection, LLC	Not Applicable
O'Brien	Tom	PJM Interconnection, LLC	Not Applicable
Patel	Anita	PJM Interconnection, LLC	Not Applicable
Pilong	Chris	PJM Interconnection, LLC	Not Applicable
Pilong	Melissa	PJM Interconnection, LLC	Not Applicable
Pincus	Steven	PJM Interconnection, LLC	Not Applicable
Rios	Virela	PJM Interconnection, LLC	Not Applicable
Robinson	Fabian	PJM Interconnection, LLC	Not Applicable
Rodriguez	Tomas	PJM Interconnection, LLC	Not Applicable
Salmon	Lisa	PJM Interconnection, LLC	Not Applicable
Scheirer	Alex	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Shah	Vijay	PJM Interconnection, LLC	Not Applicable
Shoemaker	Jason	PJM Interconnection, LLC	Not Applicable
Sims	Mark	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Strella	Lauren	PJM Interconnection, LLC	Not Applicable
Swimm	Nora	PJM Interconnection, LLC	Not Applicable
Takahashi	Mark	PJM Interconnection, LLC	Not Applicable
Watkin	Erik	PJM Interconnection, LLC	Not Applicable
Waweru	James	PJM Interconnection, LLC	Not Applicable