

Draft Minutes



PC Special Session: Merchant Transmission and Offshore Wind PJM Conference and Training Center May 3, 2019

1:00 p.m. - 4:00 p.m. EPT

Administration (1:00-1:10)

1. Mr. John Reynolds called the meeting to order and reviewed the agenda. Ms. Natalie Tacka reviewed the Anti-trust, Code of Conduct, media participation and WebEx guidelines. In-room attendance was taken and teleconference attendance was taken offline from the list of WebEx attendees.

Work Plan Discussion (1:10-1:15)

2. Work Plan (1:15-1:20) - Mr. Reynolds reviewed the work plan and meeting schedule.

Education (1:15-2:15)

- 3. Review of Education on New Service Requests in PJM (1:15 1:25)
 - Ms. Anupama Janapareddy and Ms. Lisa Krizenoskas, PJM, reviewed key points from the April 16 education session and clarified what is unique about proposed merchant transmission developer reguests related to offshore wind development.
- 4. Impact of Withdrawn Queue Position on Network Upgrades & Lower Queue Positions (1:25 1:35)
 - Ms. Anupama Janapareddy, PJM, provided clarification on the process for network upgrades associated with withdrawn queue positions, and the impacts of a higher ordered queue withdraw on lower queue positions.
- 5. Rights Retention and Transferability (1:35 1:45)
 - Ms. Anupama Janapareddy, PJM, provided clarification on retention and transferability of rights.
- 6. Economic Value of Rights (1:45 2:00)
 - Mr. Nicolae Dumitriu and Ms. Anupama Janapareddy, PJM, provided education on the economic value (compensation structures) of existing rights.
- 7. State Agreement Approach (2:00 2:10)
 - Ms. Suzanne Glatz, PJM, provided education on the state agreement approach as part of the interconnection process.

Consensus Based Issue Resolution (CBIR) (2:10-3:45)

- 8. Interest Identification
 - Mr. Reynolds led a discussion around interest identification for Phase 1 of the Merchant Transmission and Offshore Wind special session.
- 9. Design Components & Options Matrix
 - Mr. Reynolds led a discussion around Design Components for Phase 1 of the Merchant Transmission and Offshore Wind special session.

PJM©2019 1



Draft Minutes



Wrap-up: Action Items, Future Agenda Items, Reminders (3:45-4:00)

10. Mr. Reynolds and Ms. Tacka closed the meeting and reviewed action items and previewing topics for the next meeting.

Future Meeting Dates

May 31, 2019	1:00 p.m.	PJM Conference & Training Center/ WebEx
June 28, 2019	1:00 p.m.	PJM Conference & Training Center/ WebEx
July 24, 2019	1:00 p.m.	PJM Conference & Training Center/ WebEx

Attendance

Name	Company Name	Sector
Chris Norton	American Municipal Power, Inc.	Electric Distributor
Ryan Dolan	American Municipal Power, Inc.	Electric Distributor
Jim Benchek	American Transmission Systems, Inc.	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Brian Vayda	Borough of Park Ridge, NJ	Electric Distributor
Diane Janicki	Boston Energy Trading & Marketing, LLC	Generation Owner
Kent Herzog	Burns & McDonnell	Not Applicable
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Daniel Simon	Clark Hill PLC	Not Applicable
Haibin Sun	Constellation Energy Services, Inc.	Other Supplier
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Lynn Marie Horning	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.*	Not Applicable
David Capparelli	Dakota Power Partners	Not Applicable
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Joseph DeLosa	DE Public Service Commission	Not Applicable
Ryen Lawson	Dominion Virginia Power	Not Applicable
Iker Chocarro Aguirrebengoa	E.ON Climate & Renewables North America, Inc.	Generation Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Doug Copeland	EDF Trading North America, LLC	Other Supplier
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Melanie Sanders	Exelon Business Services Company, LLC	Transmission Owner
Kevin Thundiyil	Exelon Energy Company	Transmission Owner
Roozbeh Shegarfi	Exelon Energy Company	Transmission Owner
Brian George	Federal Energy Regulatory Commission	Not Applicable
Andrew Horne	First Energy Company	Not Applicable
Laura DiNicola	FirstEnergy Solutions Corp.	Transmission Owner
Lawrence Hozempa	FirstEnergy Solutions Corp.	Transmission Owner

PJM©2019 2





Jeffrey Whitehead GT Power Group Not Applicable Rory Sweeney GT Power Group Not Applicable Christine Ericson Illinois Commerce Commission Not Applicable David Mabry McNees Wallace & Nurick LLC Not Applicable John Dadourian Monitoring Analytics, LLC Not Applicable George Kogut New York Power Authority Other Supplier Richard Brophy New York State Electric & Gas Corporation Other Supplier Gabriel Hollis NextEra Energy Transmission, LLC Other Supplier Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner Aaron Berner PJM Interconnection, LLC Not Applicable
Christine Ericson Illinois Commerce Commission Not Applicable David Mabry McNees Wallace & Nurick LLC Not Applicable John Dadourian Monitoring Analytics, LLC Not Applicable George Kogut New York Power Authority Other Supplier Richard Brophy New York State Electric & Gas Corporation Other Supplier Gabriel Hollis NextEra Energy Transmission, LLC Other Supplier Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
David Mabry McNees Wallace & Nurick LLC Not Applicable John Dadourian Monitoring Analytics, LLC Not Applicable George Kogut New York Power Authority Other Supplier Richard Brophy New York State Electric & Gas Corporation Other Supplier Gabriel Hollis NextEra Energy Transmission, LLC Other Supplier Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
John Dadourian Monitoring Analytics, LLC Not Applicable George Kogut New York Power Authority Other Supplier Richard Brophy New York State Electric & Gas Corporation Other Supplier Gabriel Hollis NextEra Energy Transmission, LLC Other Supplier Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
George Kogut Richard Brophy New York State Electric & Gas Corporation Other Supplier Gabriel Hollis NextEra Energy Transmission, LLC Other Supplier Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
Richard Brophy New York State Electric & Gas Corporation Other Supplier Gabriel Hollis NextEra Energy Transmission, LLC Other Supplier Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
Gabriel Hollis NextEra Energy Transmission, LLC Other Supplier Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
Adrien Ford Old Dominion Electric Cooperative Electric Distributor William Pezalla Old Dominion Electric Cooperative Electric Distributor Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
William PezallaOld Dominion Electric CooperativeElectric DistributorPeter McGarleyOrstedNot ApplicablePulin ShahPECO Energy CompanyTransmission Owner
Peter McGarley Orsted Not Applicable Pulin Shah PECO Energy Company Transmission Owner
Pulin Shah PECO Energy Company Transmission Owner
5, 1
Aaron Berner PJM Interconnection, LLC Not Applicable
Anupama Janapareddy PJM Interconnection, LLC Not Applicable
Brian Chmielewski PJM Interconnection, LLC Not Applicable
Chris Pilong PJM Interconnection, LLC Not Applicable
Emma Nix PJM Interconnection, LLC Not Applicable
Jason Connell PJM Interconnection, LLC Not Applicable
John Reynolds PJM Interconnection, LLC Not Applicable
Ken Schuyler PJM Interconnection, LLC Not Applicable
Kenneth Seiler PJM Interconnection, LLC Not Applicable
Lisa Krizenoskas PJM Interconnection, LLC Not Applicable
Natalie Tacka PJM Interconnection, LLC Not Applicable
Nicolae Dumitriu PJM Interconnection, LLC Not Applicable
Paul McGlynn PJM Interconnection, LLC Not Applicable
Pauline Foley PJM Interconnection, LLC Not Applicable
Susan McGill PJM Interconnection, LLC Not Applicable
Suzanne Glatz PJM Interconnection, LLC Not Applicable
Suzanne Herel PJM Interconnection, LLC Not Applicable
Zhenyu Fan PJM Interconnection, LLC Not Applicable
Shadab Ali PPL Electric Utilities Corp. dba PPL Utilities Transmission Owner
Cleveland Richards Jr Price Waterhouse Cooper Not Applicable
Raymond Depillo PSEG Energy Resources and Trade LLC Other Supplier
Alexander Stern Public Service Electric & Gas Company Transmission Owner
Cameron DeAngelis Public Service Electric & Gas Company Transmission Owner
Daniel Hutt Public Service Electric & Gas Company Transmission Owner
Garan Gunn Public Service Electric & Gas Company Transmission Owner
John Dempsey Public Service Electric & Gas Company Transmission Owner
Leonid Lyakhovich Public Service Electric & Gas Company Transmission Owner
Tom Hoatson Riverside Generating, LLC Other Supplier
Brian O'Boyle Rockland Electric Company Transmission Owner

PJM©2019 3



Draft Minutes



Jame Huang	Rockland Electric Company	Transmission Owner
Jame Huang	Rockland Electric Company	Transmission Owner
Chad Singer	Trane Grid Services, LLC	Other Supplier
Mike Jacobs	Union of Concerned Scientists	Not Applicable

Author: Natalie Tacka

Antitrust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

Participant Identification in WebEx:

When logging into the WebEx desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors WebEx connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

On the Phone Dial



Mute / Unmute

Linking Teleconference Connection to WebEx

To link your teleconference connection (audio presence) to your WebEx presence, please dial *29 and enter your Personal Identification Number. Once you are logged in to the WebEx, this PIN can be found under the "Meeting Info" tab of your WebEx window.

Join a Meeting

- Join meeting in the WebEx desktop client
- 2. Enter name (First and Last*) and corporate email
- 3. Under "Select Audio Option" select "Call Me" option from the dropdown menu

Provide feedback on the progress of this group: <u>Facilitator Feedback Form</u>
Visit <u>learn.pim.com</u>, an easy-to-understand resource about the power industry and PJM's role.

PJM©2019 4

^{*}Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.