

#### **DRAFT MEETING MINUTES**

PJM Interconnection Capacity Senior Task Force (CSTF) PJM Conference and Training Center January 31, 2014; 9:30 – 4:30 (Meeting #48)

#### 1. Administration (9:30 – 9:55)

- Mr. Baker called the meeting to order.
- Ms. Fabiano called roll and reviewed the draft minutes from the January 17, 2014 (meeting #47).
- Mr. Baker reviewed the agenda and the CSTF Work Plan.

## 2. DR as an Operational Capacity Resource (9:55 – 10:00) (Issue Tracking)

- Mr. Langbein updated the Task Force on the status of the DR Operational changes.
- Mr. Langbein confirmed that he had presented the manual changes to the OC and DRS, and based on feedback from those groups, has made modifications. The changes are now moving on for review at the OC and MRC.
- Mr. Langbein reviewed draft manual language implementing the Operational DR filing currently under consideration at FERC. Impacted manuals include: M-11, M-13, M-18, M-19

#### 3. Replacement Capacity (10:00 – 12:15) (Issue Tracking)

- Stakeholders discussed proceedings at the MRC 1<sup>st</sup> read, and timing of the next steps.
- MRC vote and MC vote are both planned for February 27.
- Mr. Bresler presented potential friendly amendment to the main motion to be raised at the MRC to extend the IA Settlement Adjustment to bilateral transactions.
- Mr. Lieberman, ODEC, noted that the Package 4 has been offered as an Alternate and that proposal
  materials are posted under the 1.30.14 MRC meeting materials, and requested stakeholders review prior to
  the MRC/MC voting.
- Discussed the draft tariff language associated with the Main Motion.

#### Lunch (12:15 – 1:00)

4. CONE Triennial Review (1:00 – 2:00) (Issue Tracking)



- Mr. Baker led stakeholders in a review of all current and new proposed options
- Stakeholders are encouraged to send package solutions to the Facilitation Team in advance of the 2.14.14 meeting.
- The group will then work to generate a Tier 1 proposal that can be passed up to the MRC in February, as well as a document of suggested inputs and items reflecting the discussion at the CSTF that will be given to the consultant conducting the review, which they may or may not consider in their work.

## 5. Wrap-up and Future Agenda Items (2:00 – 2:05)

• Mr. Baker informed the group that Ms. Fabiano would be running the 2.14.14 meeting in his absence.

## FUTURE MEETING DATES (CLICK ON LINK TO REGISTER)

February 14, 2014	9:30 - 4:30	In-person & WebEx
February 28, 2014	9:30 - 4:30	In-person & WebEx
March 14, 2014	9:30 - 4:30	In-person & WebEx
March 28, 2014	9:30 - 4:30	In-person & WebEx
April 11, 2014	9:30 - 4:30	In-person & WebEx
April 25, 2014	9:30 - 4:30	In-person & WebEx
May 9, 2014	9:30 - 4:30	In-person & WebEx
May 23, 2014	9:30 - 4:30	In-person & WebEx
June 13, 2014	9:30 - 4:30	In-person & WebEx
June 27, 2014	9:30 - 4:30	In-person & WebEx
July 11, 2014	9:30 - 4:30	In-person & WebEx
July 25, 2014	9:30 - 4:30	In-person & WebEx
August 8, 2014	9:30 - 4:30	In-person & WebEx
August 22, 2014	9:30 - 4:30	In-person & WebEx
September 12, 2014	9:30 - 4:30	In-person & WebEx
September 26, 2014	9:30 - 4:30	In-person & WebEx
October 10, 2014	9:30 - 4:30	In-person & WebEx
October 24, 2014	9:30 - 4:30	In-person & WebEx
November 7, 2014	9:30 - 4:30	In-person & WebEx
November 21, 2014	9:30 - 4:30	In-person & WebEx
December 5, 2014	9:30 - 4:30	In-person & WebEx
December 19, 2014	9:30 – 4:30	In-person & WebEx

Author: Janell Fabiano DM #: 779625

#### Anti-trust

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 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. PJM Members are also not allowed to create audio, video or online recordings of PJM meetings.

## **Attendees: In-Person**

Last Name	First Name	Company Name	Sector
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Benchek	Jim	FirstEnergy Solutions Corporation	Transmission Owner
Borgatti	Michael	Gable and Associates	Not Applicable
Bresler	Stu	PJM Interconnection, LLC	Not Applicable
Bruno	Patrick	PJM Interconnection, LLC	Not Applicable
Carretta	Kenneth	PSEG Energy Resources and Trade LLC	Transmission Owner
Daugherty	Suzanne	PJM Interconnection, LLC	Not Applicable
Dean	Evan	FirstEnergy Solutions Corporation	Transmission Owner
Dugan	Bill	Customized Energy Solutions, Ltd.*	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Foladare	Ken	Iron Mountain Generation LLC	Generation Owner
Fuess	James	PBF Power Marketing LLC	Generation Owner
Garris	Kathryn	Not Disclosed	Not Applicable
Griffiths	Dan	Consumer Advocates of PJM States	Not Applicable
Guerry	Katie	EnerNOC, Inc.	Other Supplier
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	Appalachian Power Company	Transmission Owner
Jennings	Kenneth	Duke Energy Business Services LLC	Generation Owner
Jett	William	Duke Energy Business Services LLC	Generation Owner
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kerecman	Joseph	Calpine Energy Services, L.P.	Generation Owner
Kogut	George	New York Power Authority	Other Supplier
Lieberman	Steven	Old Dominion Electric Cooperative	Electric Distributor
Loomis	Harold	PJM Interconnection, LLC	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
O'Connell	Robert	JPMorgan Ventures Energy Corporation	Other Supplier
Pratzon	David	GT Power Group	Not Applicable
Rousselle	Adam	Utilityrisk.com	Rousselle
Salaneck	Alexandra	Monitoring Analytics, LLC	Not Applicable
Scarpignato	David	Direct Energy Business, LLC	Other Supplier
Sharp	Mike	Duke Energy Business Services LLC	Generation Owner
Sotkiewicz	Paul	PJM Interconnection, LLC	Not Applicable
Stuchell	Jeff	FirstEnergy Solutions Corporation	Transmission Owner

# Attendees: WebEx/Telephone

Last Name	First Name	Company Name	Sector
Anders	David	PJM Interconnection, LLC	Not Applicable
Applebaum	David	NextEra Energy Power Marketing, LLC	Generation Owner
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Batta	Michael	Virginia Electric & Power Company	Transmission Owner
Bhavaraju	Murty	PJM Interconnection, LLC	Not Applicable



Bolan Brodbeck Burns Buttner Campbell Carretta Chen Cox Czigler Dugan Dosunmu Etnoyer Falin Farber Feldman Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein Leimann	Martin John Wil Sarah Bruce Kenneth Xu Jason Frank Chuck Ade Scott Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James Kevin	FirstEnergy Solutions Corp. Potomac Electric Power Company Burns Law Firm Division of the Public Advocate of State of Delaware EnergyConnect, Inc. PSEG Energy Resources and Trade LLC Monitoring Analytics, LLC Dynegy Power Marketing, Inc. Public Service Electric & Gas Company East Kentucky Power Cooperative, Inc. CapacityMarkets.com Raven Power Marketing LLC PJM Interconnection, LLC DE Public Service Commission Other Customized Energy Solutions, Ltd.* Duquesne Light Company Brookfield Energy Marketing, Inc. Other Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC Riverside Generating, LLC	Transmission Owner  Electric Distributor  Not Applicable  End User Customer  Other Supplier  Transmission Owner  Not Applicable  Generation Owner  Transmission Owner  Transmission Owner  Mot Applicable  Not Applicable  Not Applicable  Not Applicable  Not Applicable  Transmission Owner  Other Supplier  Not Applicable  Transmission Owner  Other Supplier  Not Applicable  Other Supplier  Not Applicable  Transmission Owner  Electric Distributor  Mot Applicable  Transmission Owner  Other Supplier  Electric Distributor  Not Applicable  Transmission Owner  Media  Transmission Owner  Generation Owner  Other Supplier
Burns Buttner Campbell Carretta Chen Cox Czigler Dugan Dosunmu Etnoyer Falin Farber Feldman Filomena Filomena Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Wil Sarah Bruce Kenneth Xu Jason Frank Chuck Ade Scott Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Burns Law Firm Division of the Public Advocate of State of Delaware EnergyConnect, Inc. PSEG Energy Resources and Trade LLC Monitoring Analytics, LLC Dynegy Power Marketing, Inc. Public Service Electric & Gas Company East Kentucky Power Cooperative, Inc. CapacityMarkets.com Raven Power Marketing LLC PJM Interconnection, LLC DE Public Service Commission Other Customized Energy Solutions, Ltd.* Duquesne Light Company Brookfield Energy Marketing, Inc. Other Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Not Applicable End User Customer Other Supplier Transmission Owner Not Applicable Generation Owner Transmission Owner Transmission Owner  M Generation Owner Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Transmission Owner Other Supplier Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Electric Distributor Media Transmission Owner Electric Distributor Generation Owner
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Campbell Carretta Chen Cox Czigler Dugan Dosunmu Etnoyer Falin Farber Feldman Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Bruce Kenneth Xu Jason Frank Chuck Ade Scott Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom Jason	EnergyConnect, Inc.  PSEG Energy Resources and Trade LLC  Monitoring Analytics, LLC  Dynegy Power Marketing, Inc.  Public Service Electric & Gas Company  East Kentucky Power Cooperative, Inc.  CapacityMarkets.com  Raven Power Marketing LLC  PJM Interconnection, LLC  DE Public Service Commission  Other  Customized Energy Solutions, Ltd.*  Duquesne Light Company  Brookfield Energy Marketing, Inc.  Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Other Supplier Transmission Owner Not Applicable Generation Owner Transmission Owner Transmission Owner  X Generation Owner Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Electric Distributor
Carretta Chen Cox Czigler Dugan Dosunmu Etnoyer Falin Farber Feldman Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Kenneth Xu Jason Frank Chuck Ade Scott Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	PSEG Energy Resources and Trade LLC  Monitoring Analytics, LLC  Dynegy Power Marketing, Inc.  Public Service Electric & Gas Company  East Kentucky Power Cooperative, Inc.  CapacityMarkets.com  Raven Power Marketing LLC  PJM Interconnection, LLC  DE Public Service Commission  Other  Customized Energy Solutions, Ltd.*  Duquesne Light Company  Brookfield Energy Marketing, Inc.  Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Transmission Owner  Not Applicable Generation Owner Transmission Owner Transmission Owner  X Generation Owner Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Telectric Distributor Mot Applicable Transmission Owner Other Supplier Electric Distributor Not Applicable Transmission Owner Generation Owner
Chen Cox Czigler Dugan Dosunmu Etnoyer Fallin Farber Feldman Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Xu Jason Frank Chuck Ade Scott Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom Jason	PSEG Energy Resources and Trade LLC  Monitoring Analytics, LLC  Dynegy Power Marketing, Inc.  Public Service Electric & Gas Company  East Kentucky Power Cooperative, Inc.  CapacityMarkets.com  Raven Power Marketing LLC  PJM Interconnection, LLC  DE Public Service Commission  Other  Customized Energy Solutions, Ltd.*  Duquesne Light Company  Brookfield Energy Marketing, Inc.  Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Transmission Owner  Not Applicable Generation Owner Transmission Owner Transmission Owner  X Generation Owner Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Telectric Distributor Mot Applicable Transmission Owner Other Supplier Electric Distributor Not Applicable Transmission Owner Generation Owner
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Dosunmu Etnoyer Falin Farber Feldman Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Ade Scott Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	East Kentucky Power Cooperative, Inc.  CapacityMarkets.com  Raven Power Marketing LLC  PJM Interconnection, LLC  DE Public Service Commission  Other  Customized Energy Solutions, Ltd.*  Duquesne Light Company  Brookfield Energy Marketing, Inc.  Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Generation Owner  Not Applicable  Not Applicable  Not Applicable  Not Applicable  Transmission Owner  Other Supplier  Not Applicable  Other Supplier  Electric Distributor  Not Applicable  Transmission Owner  Media  Transmission Owner  Electric Distributor  Generation Owner
Etnoyer Falin Farber Feldman Filomena Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Scott Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	CapacityMarkets.com Raven Power Marketing LLC PJM Interconnection, LLC DE Public Service Commission Other Customized Energy Solutions, Ltd.* Duquesne Light Company Brookfield Energy Marketing, Inc. Other Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Generation Owner  Not Applicable  Not Applicable  Not Applicable  Not Applicable  Transmission Owner  Other Supplier  Not Applicable  Other Supplier  Electric Distributor  Not Applicable  Transmission Owner  Media  Transmission Owner  Electric Distributor  Generation Owner
Falin Farber Farber Feldman Filomena Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Tom John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Raven Power Marketing LLC  PJM Interconnection, LLC  DE Public Service Commission  Other  Customized Energy Solutions, Ltd.*  Duquesne Light Company  Brookfield Energy Marketing, Inc.  Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Farber Feldman Filomena Filomena Filaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	John Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	PJM Interconnection, LLC  DE Public Service Commission  Other  Customized Energy Solutions, Ltd.*  Duquesne Light Company  Brookfield Energy Marketing, Inc.  Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Not Applicable Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Feldman Filomena Filomena Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Brett Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	DE Public Service Commission Other Customized Energy Solutions, Ltd.* Duquesne Light Company Brookfield Energy Marketing, Inc. Other Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Filomena Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Guy Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Other Customized Energy Solutions, Ltd.* Duquesne Light Company Brookfield Energy Marketing, Inc. Other Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Not Applicable Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Flaherty Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Customized Energy Solutions, Ltd.*  Duquesne Light Company  Brookfield Energy Marketing, Inc.  Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Not Applicable Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Dale Frank Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Duquesne Light Company Brookfield Energy Marketing, Inc. Other Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Transmission Owner Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Francis Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Brookfield Energy Marketing, Inc. Other Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Other Supplier Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Gebolys Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Debbie Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Other  Consolidated Edison Energy, Inc.  Potomac Electric Power Company  Other  PPL EnergyPlus, L.L.C.  RTO Insider  FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Not Applicable Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Gilani Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Rehan Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Consolidated Edison Energy, Inc. Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Other Supplier Electric Distributor Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Godson Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Gloria Vignesh Michele Rich Michelle Craig Mark Tom James	Potomac Electric Power Company Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Electric Distributor  Not Applicable  Transmission Owner  Media  Transmission Owner  Electric Distributor  Generation Owner
Gowrishankar Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Vignesh Michele Rich Michelle Craig Mark Tom James	Other PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Not Applicable Transmission Owner Media Transmission Owner Electric Distributor Generation Owner
Greening Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Michele Rich Michelle Craig Mark Tom James	PPL EnergyPlus, L.L.C. RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Transmission Owner  Media Transmission Owner Electric Distributor Generation Owner
Heidorn Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Rich Michelle Craig Mark Tom James	RTO Insider FirstEnergy Solutions Corp. North Carolina Electric Membership Corporation NRG Power Marketing LLC	Media Transmission Owner Electric Distributor Generation Owner
Henry Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Michelle Craig Mark Tom James	FirstEnergy Solutions Corp.  North Carolina Electric Membership Corporation  NRG Power Marketing LLC	Transmission Owner Electric Distributor Generation Owner
Higgins Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Craig Mark Tom James	North Carolina Electric Membership Corporation NRG Power Marketing LLC	Electric Distributor Generation Owner
Hillinger Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Mark Tom James	NRG Power Marketing LLC	Generation Owner
Hoatson Jablonski Kilgallen Kopon Lacy Langbein	Tom James	*	
Jablonski Kilgallen Kopon Lacy Langbein	James	Riverside Generating, LLC	Other Supplier
Kilgallen Kopon Lacy Langbein			
Kopon Lacy Langbein		Borough of Butler, Butler Electric Division	Electric Distributor
Lacy Langbein		Emerald Energy	Not Applicable
Langbein	Owen	Brickfield, Burchett, Ritts, and Stone, PC	Not Applicable
	Catharine	Dominion Virginia Power	Not Applicable
Loimann	Pete	PJM Interconnection, LLC	Not Applicable
	John	Dominion Virginia Power	Not Applicable
Ma	Alex	Invenergy	Generation Owner
Mahoney	Julieanne	New York State Electric & Gas Corporation	Other Supplier
Mancuso	Maria	Baltimore Gas and Electric Company	Transmission Owner
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Marshall	Shona	DE Public Service Commission	Not Applicable
Marzewski	Skyler	Monitoring Analytics, LLC	Not Applicable
Maucher	Andrea	Delaware Public Service Commission	Not Applicable
Mattfolk	Alexander	Long Island Lighting Company d/b/a LIPA	Other Supplier
McMahon	Mike	Illinois Citizens Utility Board	End User Customer
McNamara	Sean	PJM Interconnection, LLC	Not Applicable
Miller	John	Commonwealth Edison Company	Transmission Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Orlando	Jim	Northern Indiana Public Service Company	Other Supplier
Perrotti	Frank	New Jersey Board of Public Utilities	Not Applicable
Prendergast	Michael	PJM Interconnection, LLC	Not Applicable
Riding	M.Q.	Essential Power OPP, LLC	Transmission Owner
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Rutigliano	Tom	Achieving Equilibrium LLC	Other Supplier
Scheiderich	Jim	ECS Grid/ Logic Tech	Оптог Эфрист
Scott	Mark	Monument Energy LLC	None
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Sitaraman	Nicole	Office of the Peoples Counsel for the District of Columbia	End User Customer
Stadelmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Sudhakara	Raghu	Rockland Electric Company	Transmission Owner
Swalwell	Brad	Tangent Energy Solutions, Inc.	Other Supplier
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
VanderHelm	Kyle	Tenaska Power Services Co.	Generation Owner
Weiss	Glenn	PJM Interconnection, LLC	Not Applicable
Wilmoth	Emily	Dominion Virginia Power	Not Applicable
Wilson	James	Wilson Energy Economics	Not Applicable
Wolfe	Samuel	Viridity Energy, Inc.	Other Supplier
Worthem	Dennis	Independent Observer from Ohio	Not Applicable