

Primary Frequency Response Senior Task Force (PFRSTF)
PJM Conference and Training Center
October 9, 2017
9:00 a.m. – 4:00 p.m. EPT

Administration (9:00am-9:15am)

1. Ms. Michelle Souder provided the Anti-trust and Code of Conduct announcements, completed the roll call and approval of minutes.
2. Glen Boyle shared that the Charter was approved at the September 28, 2017 Markets & Reliability Committee meeting.

Education (9:15am-10:45am)

3. Mr. Eric Hsia, PJM, provided a brief overview on PJM's comments to FERC's Primary Frequency Response NOPR which was due September 14, 2017.
4. Ms. Lin Franks, AES, provided an overview of primary frequency response from inverter-based technology.

Break (10:45am-11:00am)

Education (11:00am-12:00pm)

5. Mr. Alex Giarratano, ERCOT, provided an overview of the requirements and operations for primary frequency response in ERCOT.

Lunch (12:00pm-12:45pm)

Matrix Review (12:45pm-2:00pm)

6. Ms. Danielle Croop, PJM, reviewed the interests that were identified in the matrix from a PJM perspective. Mr. Glen Boyle led the discussion to capture stakeholder interest identification.

Break (2:00pm-2:15pm)

Matrix Review (2:15pm-3:50pm)

7. Mr. Vince Stefanowicz, PJM, reviewed the draft design components. Mr. Glen Boyle solicited additional design components and solution options from stakeholders.

Future Agenda Items (3:50pm-4:00pm)

October 27, 2017
 December 1, 2017
 December 20, 2017
 January 24, 2018

9:00 a.m.
 9:00 a.m.
 9:00 a.m.
 9:00 a.m.

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In-Person Attendees:

Last Name	First Name	Company	Sector
Bennet	Daniel	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Borgatti	Michael	Gabel and Associates	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable
Croop	Danielle	PJM Interconnection, LLC	Not Applicable
Foladare	Kenneth	Tangibl	Not Applicable
Franks	Lin	AES Energy Storage, LLC	Generation Owner
Gordon	Brad	NERC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hyzinski	Tom	GT Power Group	Not Applicable
Lowe	Connie	Dominion Virginia Power	Not Applicable
Park	Jinny	PJM Interconnection, LLC	Not Applicable
Poole	Karen	Dominion Virginia Power	Not Applicable
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Seiler	Kenneth	PJM Interconnection, LLC	Not Applicable
Souder	David	PJM Interconnection, LLC	Not Applicable
Souder	Michelle	PJM Interconnection, LLC	Not Applicable
Stefanowicz	Vincent	PJM Interconnection, LLC	Not Applicable
Tutino	Joey	PJM Interconnection, LLC	Not Applicable
Whitehead	Jeffrey	GT Power Group	Not Applicable

In Attendance via Web Ex / Teleconference:

Last Name	First Name	Company	Sector
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Ahmed	Syed	The Federal Energy Regulatory Commission	Not Applicable
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Benchek	Jim	FirstEnergy Solutions Corp.	Transmission Owner
Berlinski	Mike	Customized Energy Solutions, Ltd.*	Not Applicable
Berner	Aaron	PJM Interconnection, LLC	Not Applicable
Bolan	Martin	FirstEnergy Solutions Corp.	Transmission Owner
Bonner	Charles	Dominion Virginia Power	Not Applicable
Brodbeck	John	EDP Renewables North America, LLC	Other Supplier
Endress	Eric	PJM Interconnection, LLC	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Giarratano	Alex	ERCOT	Not Applicable
Genuario	Gabrielle	PJM Interconnection, LLC	Not Applicable
Heimbach	Mark	PJM Interconnection, LLC	Not Applicable
Hils	Doug	Duke Energy Kentucky, Inc.	Transmission Owner
Hohenshilt	Jennifer	Bayonne Plant Holding, L.L.C.	Generation Owner
Johnson	Carl	Customized Energy Solutions, Ltd.	Not Applicable
Kimmel	David	PJM Interconnection, LLC	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Levitt	Andrew	PJM Interconnection, LLC	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Midgley	Sharon	Atlantic City Electric Company	Electric Distributor
Mindham	David	ITC Mid-Atlantic Development LLC	Other Supplier
Murphy	Shaun	PJM Interconnection, LLC	Not Applicable
O'Connell	Robert	Mattawoman Energy, LLC	Generation Owner
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Pakula	Maggie	Invenergy, LLC	Generation Owner
Patten	Kevin	Appalachian Power Company	Transmission Owner

Philips	Marji	Direct Energy Business Marketing, LLC	Other Supplier
Ruck	Andrew	PSEG Energy Resources and Trade, LLC	Other Supplier
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schneider	Jon	American Transmission Systems, Inc.	Transmission Owner
Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Velasco	Cheryl Mae	PJM Interconnection, LLC	Not Applicable
Xenopoulos	Damon	SMXB	Not Applicable

Author: Michelle Souder

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.

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