

Markets and Reliability Committee
PJM Conference and Training Center, Valley Forge, PA
May 30, 2019
9:00 a.m. – 10:25 a.m. EPT

Administration (9:00-9:15)

Ms. Denise Foster and Mr. Dave Anders welcomed stakeholders, reviewed the agenda, and provided the Anti-trust and Code of Conduct announcements.

PJM President and CEO Andy Ott discussed the recent organizational announcements.

Consent Agenda (9:15-9:25)

Items A through G were **approved/endorsed** by acclamation with no objections or abstentions.

- A. Minutes of the April 25, 2019 meeting of the Markets and Reliability Committee (MRC).
- B. Proposed revisions to Manual 01: Control Center and Data Exchange Requirements as a part of the cover to cover review.
- C. Proposed revisions to Manual 03: Transmission Operations as a part of a cover to cover review.
- D. Proposed revisions to Manual 07: PJM Protection Standards to update applicability references and an IEEE standard reference.
- E. Proposed revisions to Manual 11: Energy & Ancillary Services Market Operations and Manual 13: Emergency Operations to clarify the impact of operationalizing gas contingencies on reserve requirements and reserve market eligibility.
- F. Proposed revisions to Manual 13: Emergency Operations as part of a cover to cover review.
- G. Proposed revisions to Manual 36: System Restoration as a part of a cover to cover review.

Endorsements/Approvals (9:25)

None

First Readings (9:25-9:50)

1. Fuel Security Senior Task Force Charter (9:25-9:40)

Ms. Rebecca Carroll presented a first read of the Fuel Security Senior Task Force Charter. The committee will be asked to approve this Charter at its next meeting.

Issue Tracking: [Fuel Security](#)

2. PJM Manuals (9:40-9:50)

- A. Ms. Emmy Messina presented proposed revisions to Manual as part of the cover to cover review. The committee will be asked to endorse these revisions at its next meeting. Mr. Brian Chmielowski noted that PJM will evaluate the alignment of the proposed revisions to Manual 06: Financial

Transmission Rights section 6.7 regarding the FTR Mark-to-Auction credit requirements with with Tariff Attachment Q and the posted Credit Overview and Supplement to the PJM Credit Policy document (<https://www.pjm.com/-/media/documents/agreements/pjm-credit-overview.ashx?la=en>), to determine whether additional revisions to the Manual would be required. He noted that a second first read would be offered if additional changes were required.

- B. Ms. Lisa Krizenoskas presented proposed revisions to Manual 14G: Generation Interconnection Requests to document current Tariff requirements and to provide clarity on site control requirements and NERC Accepted Stability Models and correct references and links. Ms. Krizenoskas noted that any proposed revisions to existing Tariff process requirements would need to be considered as a separate issue at the Planning Committee. The committee will be asked to endorse these revisions at its next meeting.

Informational Reports (9:50-10:25)

PJM Response to Comments Regarding PJM’s FERC Filed Reserve Pricing Proposal

In response to stakeholder questions, Mr. Adam Keech informed stakeholders of PJM’s intention to file a response to comments and protests filed at FERC regarding PJM’s filed proposed Reserve Pricing reforms. He noted that PJM expects to file this response in mid-June, 2019.

3. ComEd SPS/RAS Retirement (9:50-10:05)

Mr. Alan Engelman, ComEd, presented the retirement of the SPS/RAS at Quad Cities substation.

4. FERC Order Related to Hourly Cost Offers (10:05-10:25)

Ms. Melissa Pilog provided an informational update on FERC Order ER16-372-003, 004 and 005 regarding hourly cost offers.

5. Manual 39 Changes (This item was not presented.)

A revision to Manual 39: “Nuclear Plant Interface Coordination” was posted effective 4/1/2019. This revision includes only changes to the Attachment C: “Plant Specific NPIRs Revision History” reflecting recent plant specific nuclear plant interface requirement (NPIR) changes.

[PJM Manual 39: Nuclear Plant Interface Coordination](#)

Future Agenda Items (10:25)

No additional future agenda items were identified.

Future Meeting Dates

June 27, 2019	9:00 a.m.	Wilmington, DE
July 25, 2019	9:00 a.m.	Valley Forge, PA
August 22, 2019	9:00 a.m.	Valley Forge, PA
September 26, 2019	9:00 a.m.	Valley Forge, PA

October 31, 2019	9:00 a.m.	Valley Forge, PA
December 5, 2019	9:00 a.m.	Valley Forge, PA
December 19, 2019	9:00 a.m.	Valley Forge, PA

Author: D.A. Anders

Chair & Secretary

Foster	Denise	PJM Interconnection	Not Applicable
Anders	David	PJM Interconnection	Not Applicable

Voting Participants

Last Name	First Name	Company	Sector
Benchek	Jim	American Transmission Systems, Inc.	Transmission Owner
Campbell	Bruce	MidAtlantic Power Partners, LLC	Other Supplier
Davis	James	Virginia Electric & Power Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fitch	Neal	NRG Power Marketing, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Huang	James	Rockland Electric Company	Transmission Owner
Hyzinski	Thomas	Dynegy Marketing and Trade, LLC	Generation Owner
Hyzinski	Thomas	GenOn Energy Management, LLC	Generation Owner
Johnson	Carl	Allegheny Electric Cooperative, Inc.	Electric Distributor
Johnson	Carl	American Municipal Power, Inc.	Electric Distributor
Johnson	Carl	Blue Ridge Power Agency, Inc.	Electric Distributor
Johnson	Carl	Borough of Chambersburg	Electric Distributor
Johnson	Carl	Borough of Mont Alto, Pennsylvania	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	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Johnson	Carl	Easton Utilities Commission	Electric Distributor
Johnson	Carl	Hagerstown Light Department	Electric Distributor
Johnson	Carl	Illinois Municipal Electric Agency	Electric Distributor
Johnson	Carl	North Carolina Electric Membership Corporation	Electric Distributor

Johnson	Carl	Northern Illinois Municipal Power Agency	Electric Distributor
Johnson	Carl	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Johnson	Carl	Old Dominion Electric Cooperative	Electric Distributor
Johnson	Carl	Thurmont Municipal Light Company	Electric Distributor
Johnson	Carl	Town of Williamsport (The)	Electric Distributor
Johnson	Carl	Indiana Municipal Power Agency	Generation Owner
Johnson	Carl	Energy Cooperative Association of Pennsylvania (The)	Other Supplier
Johnson	Carl	Galt Power, Inc.	Other Supplier
Johnson	Carl	Madison Gas & Electric Co.	Other Supplier
Johnson	Carl	North Carolina Municipal Power Agency Number 1	Other Supplier
Johnson	Carl	WPPI Energy	Other Supplier
Keenan	Matthew	Elwood Energy, LLC	Generation Owner
Philips	Marji	Direct Energy Business, LLC	Other Supplier
Prokop	Brenda	ITC Interconnection LLC	Transmission Owner
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Wicks	Tonja	Duquesne Light Company	Transmission Owner

Non-Voting Participants

Last Name	First Name	Company	Sector
Abend	Erik	Erik Abend Consulting	Not Applicable
Barker	Jason	Exelon Business Services Company, LLC	Not Applicable
Bleiweis	Bruce	DC Energy	Other Supplier
Boyle	Steve	Merion Energy	Not Applicable
Branch	John	SunCoke Energy, Inc.	Generation Owner
Brown	David	NJ Board of Public Utilities	Not Applicable
Bruce	Susan	McNees Wallace & Nurick LLC	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Carmean	Gregory	OPSI	Not Applicable
Christopher	Mahila	The Public Utilities Commission of Ohio	Not Applicable
Coczo	Michael	Old Dominion Electric Cooperative	Electric Distributor
Colbert	Cathleen	NRG Power Marketing, LLC	Other Supplier
Dasher	Brett	The Energy Authority	Other Supplier

Davis	Jim	Dominion Energy Marketing, Inc.	Generation Owner
Delosa	Joe	New Jersey Board of Public Utilities	Not Applicable
DePillo	Ray	PSEG Energy Resources and Trade LLC	Other Supplier
Dillon	Matt	UGI Development	Generation Owner
Dinicola	Laura	FirstEnergy Solutions Corp.	Transmission Owner
Domian	Christin	Duquesne Light Company	Transmission Owner
Durinsky	Frank	FirstEnergy Solutions Corp.	Transmission Owner
Engelmann	Alan	Commonwealth Edison Company	Transmission Owner
Esposito	Pat	A2A Energy	Not Applicable
Feller	John	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Foladare	Ken	Tangibl	Not Applicable
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Fuess	Christian	PBF Power Marketing LLC	Generation Owner
Garza	Mark	FirstEnergy Solutions Corp.	Transmission Owner
Gebolys	Debbie	The Public Utilities Commission of Ohio	Not Applicable
George	Brian	Environmental Defense Fund	Not Applicable
Hamad	Musa	ETC Endure Energy	Other Supplier
Hanser	Erik	Michigan Public Service Commission	Not Applicable
Heinle	Erik	DC People's Counsel	End Use Customer
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Horning	Lynn	Customized Energy Solutions, Ltd.*	Not Applicable
Horton	Dana	Appalachian Power	Transmission Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Huntoon	Steve	Chesapeake Transmission	Other Supplier
Hurwich	Mark	Elliott Bay Energy Trading, LLC	Other Supplier
Janicki	Diane	Boston Energy Trading & Marketing	Generation Owner
Jett	William	Duke Energy	Generation Owner
Kauffman	Brian	EnerNOC, Inc.	Other Supplier
Keegan	Jack	Just Energy Solutions, Inc.	Other Supplier
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kerecman	Joe	Calpine Energy Services	Generation Owner
Knernschild	Jenny	Old Dominion Electric Cooperative	Electric Distributor
Kogut	George	New York Power Authority	Other Supplier

Kozhuharov	Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Lieberman	Steven	American Municipal Power, Inc.	Electric Distributor
Marinelli	Richard	PSE&G	Transmission Owner
Martin	Valerie	FERC	Not Applicable
Matuszak	Alex	UGI Energy Services	Other Supplier
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Nadel	Steven	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
O'Boyle	Brian	Rockland Electric Company	Transmission Owner
O'Connell	Robert	PPGI Fund A/B Development, LLC	Generation Owner
Ondayko	Brock	Appalachian Power Company	Transmission Owner
Pakela	Gregory	DTE Energy Trading	Other Supplier
Pelletier	Eveline	HQ Energy Services	Not Applicable
Peoples	John	Duquesne Light Company	Transmission Owner
Pezalla	William	Old Dominion Electric Cooperative	Electric Distributor
Poulos	Gregory	CAPS	Not Applicable
Price	Ruth	Division of the Public Advocate of the State of Delaware	End Use Customer
Prokop	Brenda	ITC Mid-Atlantic Development, LLC	Other Supplier
Rainey	Frank	PEI Power Corporation	Generation Owner
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Salanek	Alexandra	Monitoring Analytics	Not Applicable
Sasser	Jonathan	Customized Energy Solutions	Not Applicable
Schreim	Morris	Maryland Public Service Commission	Not Applicable
Schum	Alice	Illinois Municipal Electric Agency	Electric Distributor
Segner	Sharon	LS Power Transmission, LLC	Not Applicable
Shah	Pulin	Exelon Business Services Company, LLC	Transmission Owner
Shanker	Roy	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Sillin	John	FERC	Not Applicable
Skucas	Ruta	Pierce Atwood	Not Applicable
Slagel	Ronald	MICS	Not Applicable
Smith	Christen	RTO Insider	Not Applicable
Stern	Alexander	Public Service Electric & Gas Company	Transmission Owner
Stewart	Travis	Gabel & Associates	Not Applicable
Stone	Andy	Gabel Associates	Not Applicable
Sturgeon	John	Duke Energy Carolinas, LLC	Other Supplier

Swalwell	Bradley	Tangent Energy	Other Supplier
Sweeney	Rory	GT Power Group	Not Applicable
Tangirala	Subha	ABB	Not Applicable
Thomas	Amber	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Thompson	Matthew	XO Energy	Other Supplier
Tibbetes	Maeve	Pierce Atwood	Not Applicable
Tom	Jens	Black Oak Capital	Other Supplier
Toomey	Megan	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Tyler	Catherine	Monitoring Analytics	Not Applicable
Vander	Aaron	Trade Wind Energy Inc.	Not Applicable
Vayda	Brian	Borough of Park Ridge New Jersey	Electric Distributor
Whitehead	Jeffrey	GT Power Group	Not Applicable
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier

PJM Participants

Last Name	First Name	Company	Sector
Barrett	Francis	PJM Interconnection	Not Applicable
Bennett	Daniel	PJM Interconnection	Not Applicable
Bennett	Stephen	PJM Interconnection	Not Applicable
Berner	Aaron	PJM Interconnection	Not Applicable
Bernstein	Matthew	PJM Interconnection	Not Applicable
Boyle	Glen	PJM Interconnection	Not Applicable
Bresler	Stu	PJM Interconnection	Not Applicable
Brown	Rich	PJM Interconnection	Not Applicable
Bryson	Michael	PJM Interconnection	Not Applicable
Buck	Rachel	PJM Interconnection	Not Applicable
Buehler	Susan	PJM Interconnection	Not Applicable
Burdis	Tim	PJM Interconnection	Not Applicable
Burlew	Jim	PJM Interconnection	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Caven	Augustine	PJM Interconnection	Not Applicable
Chen	Lu	PJM Interconnection	Not Applicable

Chmielewski	Brian	PJM Interconnection	Not Applicable
Ciabattoni	Joe	PJM Interconnection	Not Applicable
Connell	Jason	PJM Interconnection	Not Applicable
Coyne	Suzanne	PJM Interconnection	Not Applicable
Croop	Danielle	PJM Interconnection	Not Applicable
Cummings	Bridgid	PJM Interconnection	Not Applicable
Davis	Elizabeth	PJM Interconnection	Not Applicable
Derin	Bilge	PJM Interconnection	Not Applicable
DeVita	Thomas	PJM Interconnection	Not Applicable
Dolan	James	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Fan	Zhenyu	PJM Interconnection	Not Applicable
Fitzpatrick	Brian	PJM Interconnection	Not Applicable
Franks	Christine	PJM Interconnection	Not Applicable
Frogg	Darrell	PJM Interconnection	Not Applicable
Genuario	Gabby	PJM Interconnection	Not Applicable
Glatz	Suzanne	PJM Interconnection	Not Applicable
Greening	Michele	PJM Interconnection	Not Applicable
Heffentrager	Scott	PJM Interconnection	Not Applicable
Hendrzak	Chantal	PJM Interconnection	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Herling	Steve	PJM Interconnection	Not Applicable
Hildebrand	Rebecca	PJM Interconnection	Not Applicable
Hislop	David	PJM Interconnection	Not Applicable
Holter	Natasha	PJM Interconnection	Not Applicable
Horger	Tim	PJM Interconnection	Not Applicable
Hsia	Eric	PJM Interconnection	Not Applicable
Hugee	Jacquelynn	PJM Interconnection	Not Applicable
Keech	Adam	PJM Interconnection	Not Applicable
Kenney	Susan	PJM Interconnection	Not Applicable
Keshavamurthy	Bhavana	PJM Interconnection	Not Applicable
Kimmel	David	PJM Interconnection	Not Applicable
Krizenoskas	Lisa	PJM Interconnection	Not Applicable
Kuras	Mark	PJM Interconnection	Not Applicable
Larocque	Matthew	PJM Interconnection	Not Applicable

Lu	Chen	PJM Interconnection	Not Applicable
Mathew	Lagy	PJM Interconnection	Not Applicable
Mcgill	Susan	PJM Interconnection	Not Applicable
Mcglynn	Paul	PJM Interconnection	Not Applicable
Mcgovern	Jason	PJM Interconnection	Not Applicable
McLaverty	Megan	PJM Interconnection	Not Applicable
Messina	Emmy	PJM Interconnection	Not Applicable
Monzon	Stephanie	PJM Interconnection	Not Applicable
Murphy	Shaun	PJM Interconnection	Not Applicable
O'Hara	Chris	PJM Interconnection	Not Applicable
Patel	Anita	PJM Interconnection	Not Applicable
Phillips	Darlene	PJM Interconnection	Not Applicable
Picus	Steven	PJM Interconnection	Not Applicable
Pilong	Chris	PJM Interconnection	Not Applicable
Pilong	Melissa	PJM Interconnection	Not Applicable
Salmon	Lisa	PJM Interconnection	Not Applicable
Schuyler	Ken	PJM Interconnection	Not Applicable
Seiler	Ken	PJM Interconnection	Not Applicable
Shields	Jeffrey	PJM Interconnection	Not Applicable
Snyder	Sue	PJM Interconnection	Not Applicable
Souder	Michelle	PJM Interconnection	Not Applicable
Souder	Dave	PJM Interconnection	Not Applicable
Squilla	Angelica	PJM Interconnection	Not Applicable
Starkov	Stefan	PJM Interconnection	Not Applicable
Stefanowicz	Vincent	PJM Interconnection	Not Applicable
Swimm	Nora	PJM Interconnection	Not Applicable
Tribulski	Jennifer	PJM Interconnection	Not Applicable
Ward	Michael	PJM Interconnection	Not Applicable
Williams	Stanley	PJM Interconnection	Not Applicable
Zadlo	Thomas	PJM Interconnection	Not Applicable