

**Operating Committee
PJM Conference and Training Center
November 12, 2019
9:00 a.m. – 12:00 p.m. EPT**

Administration

1. The Operating Committee (OC) agenda for this meeting was approved
2. The draft minutes of the October 15 OC meeting were **approved** by acclamation with 0 objections and 0 abstentions.
3. The OC work plan was reviewed.

Review of Operations

4. Review of Operational Events
Ms. Rebecca Carroll, PJM, provided additional updates for Operations from October 1-2, 2019 and reviewed the posted October 2019 Performance Assessment Event paper.
5. Review of Operating Metrics
Ms. Hong Chen, PJM, reviewed the October 2019 PJM operating metrics slides. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch historical performance.

Endorsements/Approvals

6. 2019/20 Winter Weekly Reserve Target (WWRT) Analysis Review
Dr. Patricio Rocha Garrido, PJM, reviewed the results of the 2019/20 Winter Weekly Reserve Target (WWRT) analysis. The Operating Committee **endorsed** the Winter Weekly Reserve Target by acclamation with 0 objections and 0 abstentions.
7. 2020 Day Ahead Scheduling Reserve (DASR) Requirement
Mr. David Kimmel, PJM, reviewed proposed changes to the 2020 Day Ahead Scheduling Reserve (DASR) requirement. The Operating Committee **endorsed** the 2020 Day Ahead Scheduling Reserve requirement by acclamation with 0 objections and 0 abstentions.
8. NERC Rating Initiative Task Force (NRITF) Update
Mr. Liem Hoang, PJM, provided the final report on the NERC Rating Initiative Task Force (NRITF). The Operating Committee **approved** sun-setting the NRITF by acclamation with 0 objections and 0 abstentions.
9. Transmission Owner Data Sharing for Reliability Studies
Mr. Jordan Shenk, PJM, provided a review of changes to the Operating Agreement to clarify the language for sharing forecasted unit commitment data to Transmission Owners for reliability studies. The Operating Committee **endorsed** the proposed changes by acclamation with 0 objections and 0 abstentions.

10. PJM Manuals

a. Manual 03A Changes

Mr. Alex Lousos, PJM, reviewed the proposed changes to PJM Manual 03A: Energy Management System (EMS) Model Updates. The Operating Committee endorsed the proposed changes by acclamation with 0 objections and 0 abstentions.

b. Manual 14D Changes

Mr. Vince Stefanowicz, PJM, reviewed the proposed changes to PJM Manual 14D: Generator Operational Requirements. The Operating Committee endorsed the proposed changes by acclamation with 0 objections and 0 abstentions.

c. Manual 3 Changes

Mr. Dean Manno, PJM, reviewed the proposed changes to PJM Manual 3: Transmission Operations. The Operating Committee endorsed the proposed changes by acclamation with 0 objections and 0 abstentions.

First Reading

11. PJM Manuals

a. Manual 13 Changes

Ms. Alpa Jani, PJM, will review the proposed changes to PJM Manual 13: Emergency Operations. The Operating Committee will be asked to endorse these changes at the next meeting.

Tool and Informational Updates

12. System Operations Subcommittee (SOS) Report

Ms. Rebecca Carroll, PJM, provided a summary of the most recent SOS meeting.

a. System Operations Subcommittee (SOS) Charter

Mr. Paul Dajewski, PJM, reviewed the proposed changes to the SOS Charter. The Operating Committee endorsed the proposed changes by acclamation with 0 objections and 0 abstentions.

13. Fuel Requirements for Black Start Resources Update

Ms. Janell Fabiano, PJM, provided an update on the Special OC/MIC Fuel Requirements for Black Start Resources.

14. Operations Assessment Task Force (OATF) 2019/2020 Winter Study Review

Mr. Rob Dropkin, PJM, reviewed the results of the Winter 2019 / 2020 OATF Study.

15. Regulation Performance Update

Ms. Gabrielle Genuario, PJM, provided an update on regulation performance.

16. Unit Specific Parameter Update

Ms. Lauren Strella Wahba, PJM, provided an update on Unit Specific Parameters.

17. Reliability Compliance Update

Mr. Preston Walker, PJM, provided an update on NERC, SERC and RFC standards, and other pertinent regulatory and compliance information, and solicited feedback from the members on Reliability Compliance efforts.

18. Member Maintenance and Account Manager Update

Ms. Amanda Egan, PJM, provided an update on the Membership Management Community, as well as provided information on Account Manager (CAM) roles, responsibilities and requirements.

Attendance (In-Person)

Last Name	First Name	Company	Sector
Phillips (Chair)	Darlene	PJM Interconnection	Not Applicable
Croop (Secretary)	Danielle	PJM Interconnection	Not Applicable
Anastasio	Elizabeth	PJM Interconnection	Not Applicable
Benchek	Jim	FirstEnergy Solutions Corp.	Transmission Owner
Braerman	Kenneth	Baltimore Gas and Electric Company	Transmission Owner
Breeding	Michael	PJM Interconnection	Not Applicable
Brown	Rich	PJM Interconnection	Not Applicable
Burlew	Jim	PJM Interconnection	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Caven	Augustine	PJM Interconnection	Not Applicable

Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Dajewski	Paul	PJM Interconnection	Not Applicable
D'Alessandris	Lou	other	Other Supplier
Davis	Elizabeth	PJM Interconnection	Not Applicable
Dropkin	Robert	PJM Interconnection	Not Applicable
Dumitriu	Nicolae	PJM Interconnection	Not Applicable
Egan	Amanda	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Genuario	Gabrielle	PJM Interconnection	Not Applicable
Greening	Michele	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hong	Chen	PJM Interconnection	Not Applicable
Hsia	Eric	PJM Interconnection	Not Applicable
Hyzinski	Tom	other	Not Applicable
Jani	Alpa	PJM Interconnection	Not Applicable

Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kimmel	David	PJM Interconnection	Not Applicable
King	Kendra	PJM Interconnection	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Lousos	Alex	PJM Interconnection	Not Applicable
Manno	Dean	PJM Interconnection	Not Applicable
McGlynn	Paul	PJM Interconnection	Not Applicable
Meadors	Mandy	Duke Energy Ohio, Inc.	Transmission Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Morelli	Lisa	PJM Interconnection	Not Applicable
Mulhern	Joseph	PJM Interconnection	Not Applicable
Nix	Emma	PJM Interconnection	Not Applicable
O'Hara	Christopher	PJM Interconnection	Not Applicable
Patel	Anita	PJM Interconnection	Not Applicable
Pilong	Christopher	PJM Interconnection	Not Applicable

Pincus	Steve	PJM Interconnection	Not Applicable
Rocha Garrido	Patricio	PJM Interconnection	Not Applicable
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Schweizer	David	PJM Interconnection	Not Applicable
Shenk	Jordan	PJM Interconnection	Not Applicable
Skumanich	William	RTR Energy Solutions LLC	Not Applicable
Smith	Christen	RTO Insider	Not Applicable
Stefanowicz	Vincent	PJM Interconnection	Not Applicable
Stewart	Travis	other	Not Applicable
Strella	Lauren	PJM Interconnection	Not Applicable
Sweeney	Rory	other	Not Applicable
Tam	Simon	PJM Interconnection	Not Applicable
Thomas	Henry	PJM Interconnection	Not Applicable
Thomas	Amber	PPL Electric Utilities Corporation	Transmission Owner
Tribulski	Jennifer	PJM Interconnection	Not Applicable

Walker	Preston	PJM Interconnection	Not Applicable
Wallin	Donald	PJM Interconnection	Not Applicable
Warner Freeman	Jennifer	PJM Interconnection	Not Applicable

Attendance (Conference Call)

Last Name	First Name	Company	Sector
Ainspan	Malcolm	NRG Curtailment Solutions, Inc.	Other Supplier
Anders	David	PJM Interconnection	Not Applicable
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Brady	George	Ohio Valley Electric Corporation	Transmission Owner
Brouillette	Kyle	Indiana Municipal Power Agency	Generation Owner
Campbell	Bruce	Enerwise Global Technologies, LLC	Other Supplier
Capra	Carlo	ITC Interconnection LLC	Transmission Owner
Carmean	Gregory	other	Not Applicable

Coyne	Suzanne	PJM Interconnection	Not Applicable
Davis	James	Dominion Energy Generation Marketing, Inc.	Generation Owner
DiNicola	Laura	FirstEnergy Solutions Corp	Transmission Owner
Douglass	Robert	Exelon Generation Co., LLC	Generation Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Durinsky	Mike	Allegheny Energy Supply Company, L.L.C.	Transmission Owner
Esterly	Theresa	PJM Interconnection	Not Applicable
fan	zhenyu	PJM Interconnection	Not Applicable
Fee	George	Appalachian Power Company	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Frogg	Darrell	PJM Interconnection	Not Applicable
Gates	Terry	Appalachian Power Company	Transmission Owner
Gebele	Don	PJM Connect	Not Applicable

Gebolys	Debbie	other	Not Applicable
Gilani	Rehan	Consolidated Edison Energy, Inc.	Other Supplier
Gluck	Jim	PJM Interconnection	Not Applicable
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Hammack	Matthew	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Hanebuth	Michele	Consolidated Edison Company of New York, Inc.	Transmission Owner
Hanser	Erik	other	Not Applicable
Hastings	David	Market Interconnection LLC.	Not Applicable
Hauske	Thomas	PJM Interconnection	Not Applicable
Heinle	Frederick	other	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning	Lynn	Customized Energy Solutions, Ltd.*	Not Applicable

Hornyak	Stephen	AEP	Transmission Owner
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Horton	Dana	AEP	Transmission Owner
Hudis	Gabriella	Jersey Green Energy, LLC	Other Supplier
Hunter	Andrew	Metropolitan Edison Company	Transmission Owner
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	Essential Power Rock Springs, LLC.	Generation Owner
Jha	Monica	PCI	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Jones	David	Gridforce Energy Management, LLC	Other Supplier
Kauffman	Brian	Enel X North America, Inc.	Other Supplier
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier

Krawczyk	Leslie	other	Not Applicable
Kuhn	Tyler	Citadel FNGE Ltd.	Other Supplier
Kuo	Dave	other	Not Applicable
Larry	Steven	Tenaska	Generation Owner
Leasure	Jill	Keystone-Conemaugh Projects, LLC	Other Supplier
Liang-Nicol	Cecilia	First Energy Corporation	Transmission Owner
Libbos	Robin	other	Other Supplier
LOWE	CONNIE	Virginia Electric & Power Company	Transmission Owner
Lyakhovich	Leonid	PSEG Energy Resources & Trade, LLC.	Other Supplier
Lynn	Brian	PJM Interconnection	Not Applicable
Mabry	David	other	Not Applicable
Markiewicz	Cindy	other	Other Supplier
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
McAuliffe	Kevin	other	Not Applicable
McGuire	Bob	Virginia Electric & Power Company	Transmission Owner
Mok	Alan	Duke Energy	Transmission Owner

Monzon	Stephanie	PJM Interconnection	Not Applicable
O'Connell	Robert	PPGI Fund A/B Development, LLC.	Generation Owner
O'Leary	Chris	PSEG Energy Resources & Trade, LLC.	Other Supplier
Ondayko	Brock	AEP Energy Partners, Inc.	Transmission Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Pelletier	Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Poulos	Greg	CAPS	Not Applicable
Robson	Matthew	other	Not Applicable
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schuyler	Ken	PJM Interconnection	Not Applicable
Shifflett	Alvin	Dominion Energy Generation Marketing, Inc.	Generation Owner
Sillin	John	other	Not Applicable
Squibb	Bill	Ohio Valley Electric Corporation	Transmission Owner

Stack	James	Duquesne Light Company	Transmission Owner
Stadlmeyer	Rebecca	PJM Interconnection	Not Applicable
Stern	Alexander	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	other	Not Applicable
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Vitiello	Jacqueline	Virginia Electric & Power Company	Transmission Owner
Watkin	Erik	PJM Interconnection	Not Applicable
Watson	Brian	Appalachian Power Company	Transmission Owner
Weinert	Mark	Dominion Energy Generation Marketing, Inc.	Generation Owner
Wharton	Ronald	Public Service Electric & Gas Company	Transmission Owner
Whitehead	Jeffrey	other	Not Applicable

Williams	Stanley	PJM Interconnection	Not Applicable
Wilson	James	other	Not Applicable
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
Wolfe	Art	PJM Interconnection	Not Applicable

Future Meeting Dates

December 10, 2019

9:00 a.m.

PJM Conference & Training Center/ WebEx

Author: Danielle Croop

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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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