

Operating Committee
PJM Conference & Training Center, Audubon, PA
December 12, 2017
9:00 a.m. – 12:00 p.m. EPT

Administration

1. The December 12 Operating Committee (O.C.) agenda was approved.
2. Draft Minutes of the November 7, 2017 OC meeting were approved.
- 2a. Draft Minutes of the November 7, 2017 OC Special Session were approved.
3. The OC Work Plan was reviewed.

Review of Operations

4. Review of Operational Events

Mr. Chris Pilong, PJM, reviewed PJM operations since the last OC Meeting. There were 4 High Voltage Action events occurring between November 4 and November 19. There were 0 Disturbance Control Standard (DCS) events, 0 Synchronous Reserve events and 1 Shared Reserve event. On November 7 the PJM Emergency Procedures Drill was conducted.

5. Review of Operating Metrics

Mr. Joe Ciabattone, PJM, reviewed the PJM Operating Metrics slides updated with November metrics data. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch historical performance.

Endorsements / Approvals

6. Manual 01 Informational Update

Mr. Ryan Nice, PJM, reviewed the proposed changes to *Manual 01: Control Center and Data Exchange Requirements*. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

7. Manual 03 Changes

Mr. Yuri Smolanitsky, PJM, reviewed the proposed changes to *Manual 03: Transmission Operations*. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions without gas contingency language included.** PJM and stakeholders will confer on that language and have material ready to discuss at the December 21 Markets & Reliability Committee meeting.

8. Manual 10 Changes

Mr. Vince Stefanowicz, PJM, reviewed the proposed changes to *Manual 10: Pre-Scheduling Operations*. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

9. Manual 13 Changes

Mr. Chris Pulong, PJM, reviewed the proposed changes to *Manual 13: Emergency Operations*. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions without gas contingency language included.** PJM and stakeholders will confer on that language and have material ready to discuss at the December 21 Markets & Reliability Committee meeting.

10. Manual 14D Changes

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

First Readings

11. Manual 38 Changes

Mr. Yuri Smolansky, PJM, reviewed the proposed changes to *Manual 38: Operations Planning*. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

12. Manual 40 Changes

Ms. Maureen Curley, PJM, reviewed the proposed changes to *Manual 40: Training and Certification Requirements*. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

13. Manual 14D Changes

Ms. Rebecca Stadelmeyer, PJM, reviewed the proposed changes to *Manual 14D: Generator Operational Requirements*. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

OC Subcommittee / Task Force Updates

14. System Operations Subcommittee (SOS)

Mr. Chris Pulong, PJM, provided a summary of the most recent SOS meeting. A reminder was given to Transmission Owners that PJM notification to update system restoration plans after cut-in work is now an automated process.

15. Data Management Subcommittee (DMS)

Mr. Andy Ford, PJM, provided a summary of the most recent DMS meeting.

16. Dispatcher Training Subcommittee (DTS)

Ms. Maureen Curley, PJM, provided a review of the 2017 DTS activities and a preview of 2018 training activities.

17. System Restoration Coordinators Subcommittee (SRCS)

There were no SRCS updates presented at this OC meeting.

18. Primary Frequency Response Sr. Task Force (PFRSTF)

Mr. Glen Boyle, PJM, provided an update on the Primary Frequency Response Sr. Task Force (PFRSTF).

Capacity Performance

20. Unit Specific Parameter Updates

Ms. Alpa Jani, PJM, provided an update on Unit Specific Parameters.

21. Performance Assessment Interval Communications Over ICCP Project

Ms. Alpa Jani, PJM, provided an informational update on the Performance Assessment Interval Communications Over ICCP project.

Tool and Informational Updates

22. System Resilience

Mr. Augustine Caven, PJM, provided an update on PJM's Operationalizing Gas Pipeline Contingencies efforts. A discussion was held on PJM manual impacts under various scenarios and unit compensation issues. These issues will be discussed at the December 21 Markets & Reliability Committee meeting.

23. Distributed Energy Resources (DER) Update

Mr. Andrew Levitt, PJM, provided an update on the DER Stakeholder Process.

24. Synchronous Reserve Update

Mr. Dave Kimmel, PJM, provided an update on synchronous reserve performance.

25. NERC Lessons Learned

There were no NERC Lessons Learned presented for this month.

26. NERC and Regional Coordination Update

Mr. Tom Moleski, PJM, provided an update on NERC, SERC and RFC standards, and other pertinent regulatory and compliance information, and solicited feedback from the members on N&RC efforts.

27. Winter Weather Preparation Update

Mr. Vince Stefanowicz, PJM, provided an update on PJM's winter weather preparations.

28. Pricing Interface Update

There were no newly created pricing interfaces.

Action Items

Future Meeting Dates

January 9, 2018	9:00 a.m.	PJM Interconnection - Conference and Training Center
February 6, 2018	9:00 a.m.	PJM Interconnection - Conference and Training Center
March 6, 2018	9:00 a.m.	PJM Interconnection - Conference and Training Center
April 3, 2018	9:00 a.m.	PJM Interconnection - Conference and Training Center

Author: Don Wallin

In Attendance (In Person)

Last Name	First Name	Company	Sector
Seiler (Chair)	Ken	PJM Interconnection, LLC	Not Applicable
Wallin (Secretary)	Don	PJM Interconnection, LLC	Not Applicable
Benchek	Jim	First Energy Solutions	Transmission Owner
Borgati	Mike	Gabel and Associates	Not Applicable
Coffman	J. Earl	PECO Energy Company	Transmission Owner
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Foladare	Kenneth	Tangibl	Not Applicable
Ford	Adrien	Old Dominion Electric Cooperative	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Hastings	David	MICS	Other Supplier
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Lieberman	Steven	American Municipal Power	Electric Distributor
Midgley	Sharon	Exelon Business Services	Transmission Owner
O'Connell	Robert	PPGI Fund A/B Development, LLC	Generation Owner
Scarpignato	David	Calpine Energy Services LP	Generation Owner
Stewart	Travis	Gable and Associates	Not Applicable
Sweeney	Rory	RTO Insider	Not Applicable
Trayers	Barry	Citigroup Energy Inc.	Other Supplier
Whitehead	Jeffrey	GT Power Group	Not Applicable

In Attendance (Via Conference Call)

Last Name	First Name	Company	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Alfayyoumi	Mohammed	Dominion Virginia Power	Not Applicable
Barker	Jason	Exelon Business Services	Transmission Owner
Bleweis	Bruce	DC Energy LLC	Other Supplier
Bolan	Martin	First Energy Solutions	Transmission Owner
Bonner	Charles	Dominion Virginia Power	Not Applicable
Brodbeck	John	EDP Renewables	Other Supplier
Campbell	Bruce	Energy Connect, Inc.	Other Supplier
Chen	Jennifer	Natural Resources Defense Council	Not Applicable
Cocco	Michael	Old Dominion Electric Cooperative	Electric Distributor
Cox	Edward	Appalachian Power Company	Transmission Owner
Crystle	Gil	UGI Development	Transmission Owner
Dasher	Brett	Energy Authority, Inc. (The)	Other Supplier
Davis	Becky	Talen Energy Marketing, LLC	Generation Owner
Davis	James	Dominion Energy Marketing, Inc.	Generation Owner
DeGiusto	Vince	UGI Development Company	Generation Owner
DeLosa	Joe	Delaware Public Service Commission	Not Applicable
Dolan	Ryan	AEP Energy Partners, Inc.	Other Supplier
Domian	Christin	Mitsubishi Electric Power Products Inc.	Not Applicable
Dugan	Chuck	East Kentucky Power	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd.	Not Applicable

Frederickson	Joe	Public Service Electric & Gas	Transmission Owner
Gahimer	Mike	IN Office of Utility Consumer Counselor	End User Customer
Garnett	Bryan	Duke Energy Ohio, Inc.	Transmission Owner
Gebolys	Debbie	Public Utilities Commission of Ohio (The)	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Grear	Mark	Constellation Energy	Generation Owner
Guntle	Vince	UGI Development Company	Generation Owner
Hanebuth	Michele	Consolidated Edison Company of NY, Inc.	Transmission Owner
Haynes	Greg	Energy Authority Inc.	Other Supplier
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Hunter	Andrew	Metropolitan Edison	Transmission Owner
Hurwich	Mark	Elliott Bay Energy Trading	Other Supplier
Janicki	Diane	Boston Energy Trading and Marketing LLC	Generation Owner
Jankowski	Christopher	Talen Energy Marketing, LLC.	Generation Owner
Jardot	Gina	Essential Power Rock Springs, LLC	Transmission Owner
Kauffman	Brian	NRG Curtailment Solutions	Other Supplier
Kazerooni	Hamid	Talen Energy Marketing LLC.	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kinser	Cynthia	Tennessee Department of Agriculture	Not Applicable
Kolo	Elta	GTM	Not Applicable
Lewis	Cara	Public Service Electric & Gas Company	Transmission Owner
Libbos	Robin	FirstEnergy Solutions Corp	Transmission Owner
Liu McKenna	Phyllis	Public Service Electric & Gas Company	Transmission Owner

Low	Connie	Dominion Virginia Power	Not Applicable
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Markiewicz	Cindy	Allegheny Power	Transmission Owner
Marton	David	First Energy Solutions Corp.	Transmission Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'Leary	Chris	PSEG Energy Resources and Trade LLC	Other Supplier
Ondayko	Brock	AEP Energy Supply	Generation Owner
Patten	Kevin	AEP Energy, Inc.	Other Supplier
Phillips	Marjorie	Direct Energy Business, LLC	Other Supplier
Pratzon	David	GT Power Group	Not Applicable
Price	Mark	DC Energy Mid-Atlantic LLC	Other Supplier
Price	Ruth	Division of the Public Advocate of the State of Delaware	End User Customer
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Rothey	Kristin	American Municipal Power, Inc.	Electric Distributor
Ruck	Andrew	PSEG Energy Resources and Trade LLC	Other Supplier
Runowski	Brian	Commonwealth Edison Company	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Sauriol	Dennis	AEP Ohio Transmission Company, Inc.	Transmission Owner
Schloendorn	Ronald	PECO Energy Company	Transmission Owner
Skumanich	William	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Stern	Alexander	Public Service Electric & Gas Company	Transmission Owner
Sturgeon	John	Duke Energy Carolinas LLC	Other Supplier

Sullivan	James	Neptune Regional	Transmission Owner
Tangirala	Subha	ABB	Not Applicable
Tatum	Edward	American Municipal Power	Electric Distributor
Tsao	Stephanie	S&P Global Market Intelligence	Not Applicable
Vayda	Brian	Borough of Park Ridge NJ	Electric Distributor
Vitiello	Jacqueline	Dominion Energy Marketing, Inc.	Generation Owner
Wharton	Ronald	Public Service Electric & Gas Company	Transmission Owner
White	Doug	North Carolina Electric	Electric Distributor
Wilson	James	Wilson Energy Economics	Not Applicable

PJM Attendees

Last Name	First Name	Company	Sector
Anders	Dave	PJM Interconnection, LLC	Not Applicable
Bielak	Donnie	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Brown	Rich	PJM Interconnection, LLC	Not Applicable
Caven	Augustine	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable
Croop	Danielle	PJM Interconnection, LLC	Not Applicable
Curley	Maureen	PJM Interconnection, LLC	Not Applicable
Driscoll	Mary Ellen	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Farmer	Larry	PJM Interconnection, LLC	Not Applicable
Ford	Andy	PJM Interconnection, LLC	Not Applicable

Hauske	Thomas	PJM Interconnection, LLC	Not Applicable
Heimbach	Mark	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Hoke	Mike	PJM Interconnection, LLC	Not Applicable
Hugee	Jacqui	PJM Interconnection, LLC	Not Applicable
Jani	Alpa	PJM Interconnection, LLC	Not Applicable
Kimmel	David	PJM Interconnection, LLC	Not Applicable
Lee	Lori Murphy	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
Nice	Ryan	PJM Interconnection, LLC	Not Applicable
Patel	Anita	PJM Interconnection, LLC	Not Applicable
Pilong	Chris	PJM Interconnection, LLC	Not Applicable
Scheirer	Alexandra	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Smolanitsky	Yuri	PJM Interconnection, LLC	Not Applicable
Souder	Dave	PJM Interconnection, LLC	Not Applicable
Stefanowicz	Vince	PJM Interconnection, LLC	Not Applicable
Stone	Andy	PJM Interconnection, LLC	Not Applicable
Tacka	Natalie	PJM Interconnection, LLC	Not Applicable
Tam	Simon	PJM Interconnection, LLC	Not Applicable
Walker	Preston	PJM Interconnection, LLC	Not Applicable
Ward	Mike	PJM Interconnection, LLC	Not Applicable
Zhang	Mike	PJM Interconnection, LLC	Not Applicable



Draft Minutes

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