

Operating Committee  
PJM Conference & Training Center, Audubon, PA  
November 7, 2017  
9:00 a.m. – 12:00 p.m. EPT

## Administration

1. The November 7 OC agenda was approved.
2. Draft Minutes of the October 10, 2017 OC meeting were approved.
3. The OC Work Plan was reviewed. System resilience will be added to the 2018 Work Plan.
4. Mr. Ken Seiler, PJM, provided a reminder to the Operating Committee of the *OC Special Session for Operationalizing Gas/Electric Contingencies* following the regular meeting.

## Review of Operations

### 5. Review of Operational Events

Mr. Donnie Bielak, PJM, reviewed PJM operations since the last OC Meeting. There were 9 High Voltage Action events occurring between October 1 and October 29. There were 0 Disturbance Control Standard (DCS) events, 0 Synchronous Reserve events and 2 Shared Reserve events. There was 1 Minimum Generation Advisory issued from October 10 through October 23 however, no Minimum Generation Events were initiated. Intra Day Offers (IDO) was implemented on November 1 with no operational issues identified.

### 6. Review of Operating Metrics

Mr. Joe Ciabattone, PJM, reviewed the PJM Operating Metrics slides updated with October metrics data. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch historical performance. PJM is following up on final numbers for the perfect dispatch CT Lost Opportunity Cost numbers for October.

## Endorsements / Approvals

### 7. 2018 Day Ahead Scheduling Reserve (DASR) Requirement

Mr. Eric Endress, PJM, reviewed the proposed changes to the 2018 Day Ahead Scheduling Reserve (DASR) requirement. **The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**

## First Readings

### 8. BAL-002-2 Implementation Review

Mr. Dave Kimmel, PJM, reviewed the upcoming BAL-002-2 implementation and its impact on PJM Manuals.

## 9. Manual 01 Informational Update

Mr. Ryan Nice, PJM, reviewed the proposed changes to *Manual 01: Control Center and Data Exchange Requirements*. A discussion was held regarding providing manual language to ensure that reporting obligations to the members are clear. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

## 10. Manual 03 Changes

Mr. Yuri Smolanitsky, PJM, reviewed the proposed changes to *Manual 03: Transmission Operations*. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

## 11. Manual 10 Changes

Mr. Vince Stefanowicz, PJM, reviewed the proposed changes to *Manual 10: Pre-Scheduling Operations*. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

## 12. Manual 13 Changes

Mr. Chris Pilon, PJM, reviewed the proposed changes to *Manual 13: Emergency Operations*. Members engaged in a discussion regarding what approach PJM should consider regarding the temperature thresholds necessary to implement a Hot Weather Alert. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

## 13. Manual 14D Changes

Mr. Vince Stefanowicz, 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. Mike Zhang, PJM, provided a summary of the most recent SOS meeting.

### 15. Primary Frequency Response Sr. Task Force (PFRSTF)

Mr. Glen Boyle, PJM, provided an update on the Primary Frequency Response Sr. Task Force (PFRSTF). A discussion was held regarding the coordination of primary frequency response efforts with PJM's resilience groups. Additionally, a discussion was held regarding the impacts of generator compensation for units that provide primary frequency response.

### 16. Data Management Subcommittee (DMS)

Mr. Andy Ford, PJM, provided a review of the updates to the Transmission Facilities web page.

### 17. System Restoration Coordinators Subcommittee (SRCS)

Mr. Ryan Lifer, PJM, provided a summary of the most recent SRCS meeting and provided a review of the Fall System Restoration Drills.

## Capacity Performance

### 18. Unit Specific Parameter Updates

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

### 19. Performance Assessment Hour Communications Over ICCP Project

Ms. Alpa Jani, PJM, provided an informational update on the Performance Assessment Hour Communications Over ICCP project. A discussion was held on how non-performance charges would be assessed for DR resources with lead time.

## Tool and Informational Updates

### 20. Operations Assessment Task Force (OATF) 2017/2018 Winter Study Review

Mr. Rob Dropkin, PJM, provided a review of the results of PJM's Winter 2017 / 2018 OATF Study. No uncontrollable or unexpected reliability issues were identified in the 50/50 Peak Load or Sensitivity Study results.

### 21. 2017/2018 Winter Preparations Review

Mr. Augustine Caven, PJM, provided a review of PJM's winter preparation efforts for 2017/2018 and reminded generators to confirm their winter readiness using the PJM or equivalent checklist. Mr. Caven reminded the OC that the Cold Weather Checklist Survey was issued in eDART on November 1 and will end on December 15. Additionally, Mr. Caven reminded the OC that the Resource Operational Exercise starts December 1 and runs through December 31. PJM will provide a list of eligible generators by November 10 with generator owners identifying units participating in the exercise by November 20.

### 22. NERC Winter Preparation for Severe Cold Weather Events/Lessons Learned Review

Mr. Donnie Bielak, PJM, reviewed the material from the NERC Winter Preparation for Severe Cold Weather Events presentation. There were no recently posted NERC Lessons Learned reports for this month's meeting.

### 23. NERC and Regional Coordination 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 N&RC efforts.

### 24. Rice and Vinco 500 KV Line Designation Notification

Mr. Yuri Smolanitsky, PJM, provided a notification for the First Energy (FE) Rice and Vinco 500 Kv lines.

### 25. Furnace Run 500 KV Line Designation Notification

Mr. Yuri Smolanitsky, PJM, provided a notification for the First Energy/PECO (FE/PECO) Furnace Run 500 Kv line.

### 26. Operating Agreement Revisions for Dispatch Interactive Mapping Application (DIMA) Review

Ms. Jacqui Huges and Mr. Ed Kovler, PJM, provided a review of a proposal to provide all Transmission Owners with access to the PJM DIMA application and related modifications to the Operating Agreement and Non-Disclosure Agreement (NDA).

## 27. Pricing Interface Update

There were no newly created pricing interfaces.

### Action Items

### Future Meeting Dates

December 12, 2017	9:00 a.m.	PJM Interconnection - Conference and Training Center
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

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
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Foladare	Kenneth	Tangibl	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LLC	Other Supplier
Hyzinski	Tom	GT Power Group	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Midgley	Sharon	Exelon Business Services	Transmission Owner
O'Connell	Robert	PPGI Fund A/B Development, LLC	Generation Owner
Pratzen	David	GT Power Group	Not Applicable
Suh	Jung	Noble Americas Energy	Other Supplier

Sweeney	Rory	RTO Insider	Not Applicable
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
Blackshear	David	Gridforce Energy	Other Supplier
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
Canter	David	Appalachian Power Company	Transmission Owner
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
Dailey	Michael	Northern Virginia Electric	Electric Distributor
Dasher	Brett	Energy Authority, Inc. (The)	Other Supplier
Davis	Becky	Talen Energy Marketing, LLC	Generation Owner
Davis	James	Dominion Energy Marketing, Inc.	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
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Frederickson	Joe	Public Service Electric & Gas	Transmission Owner
Gagen	Rod	Dominion Virginia Power	Not Applicable
Gahimer	Mike	IN Office of Utility Consumer Counselor	End User Customer
Garavaglia	John	Commonwealth Edison Company	Transmission Owner
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
Hebert	Christopher	Beacon Power, LLC	Other Supplier
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Hopkins	Sandra	Dominion Virginia Power	Not Applicable
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
Josyula	Siva	Monitoring Analytics, LLC	Not Applicable
Kauffman	Brian	NRG Curtailment Solutions	Other Supplier

Keeney	Jerry	Dynegy Marketing & Trade, LLC	Generation Owner
Kelly	Stephen	Brookfield Energy Marketing LP	Other Supplier
Kinser	Cynthia	Tennessee Department of Agriculture	Not Applicable
Krawczyk	Leslie	Reliability First Corporation	Not Applicable
Lowe	Connie	Dominion Virginia Power	Not Applicable
Lumbrazo	Laura	Rockland Electric Company	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Mack	Amanda	NextEra Energy Power Marketing, LLC	Generation Owner
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Markiewicz	Cindy	Allegheny Power	Transmission Owner
Marton	David	First Energy Solutions Corp.	Transmission Owner
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko	Brock	AEP Energy Supply	Generation Owner
Pakela	Greg	DTE Energy Trading, Inc.	Other Supplier
Patten	Kevin	AEP Energy, Inc.	Other Supplier
Phillips	Marjorie	Direct Energy Business, LLC	Other Supplier
Poulos	Greg	CAPS	Not Applicable
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
Sillin	John	The Federal Energy Regulatory Commission	Not Applicable
Skumanich	William	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Stern	Alexander	Public Service Electric & Gas Company	Transmission Owner
Tangirala	Subha	ABB	Not Applicable
Tatum	Edward	American Municipal Power	Electric Distributor
Tsao	Stephanie	S&P Global Market Intelligence	Not Applicable
Van Liere	Wayne	Louisville Gas & Electric	Transmission Owner
Vitiello	Jacqueline	Dominion Energy Marketing, Inc.	Generation Owner
Wharton	Ronald	Public Service Electric & Gas Company	Transmission Owner
White	Doug	North Carolina Electric	Electric Distributor
Wicks	Tonja	Duquesne Light Company	Transmission Owner
Wilson	James	Wilson Energy Economics	Not Applicable
Yang	Dan	Parma Energy LLC	Other Supplier

### PJM Attendees

Last Name	First Name	Company	Sector
Anders	Dave	PJM Interconnection, LLC	Not Applicable
Bennett	Daniel	PJM Interconnection, LLC	Not Applicable
Bennett	Stephen	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
Bryson	Mike	PJM Interconnection, LLC	Not Applicable
Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Caven	Augustine	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable
D'Antonio	Phil	PJM Interconnection, LLC	Not Applicable
Del Viscio	Mike	PJM Interconnection, LLC	Not Applicable
Driscoll	Mary Ellen	PJM Interconnection, LLC	Not Applicable
Endress	Eric	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Ford	Andy	PJM Interconnection, LLC	Not Applicable
Hatch	Kevin	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
Hugee	Jacqui	PJM Interconnection, LLC	Not Applicable
Jani	Alpa	PJM Interconnection, LLC	Not Applicable
Kimmel	David	PJM Interconnection, LLC	Not Applicable
Lifer	Ryan	PJM Interconnection, LLC	Not Applicable
Manion	Evelyn	PJM Interconnection, LLC	Not Applicable
Nice	Ryan	PJM Interconnection, LLC	Not Applicable
Pilong	Chris	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
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

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