

**Operating Committee**  
**PJM Conference and Training Center**  
**August 11th, 2015**  
**9:00 a.m.**

## Regulation Performance Impacts Group

The Regulation Performance Impacts Group continued to address the topics on the Stakeholder Process Work Plan. Please reference the separately posted [Regulation Performance Impacts meeting minutes](#) for further details.

## Administration

1. The OC Agenda for this meeting was approved.
2. Draft Minutes of the July 7th, 2015 OC meeting were reviewed and approved.
3. The OC Work Plan was reviewed.
4. The OC Posting Report Card was reviewed.

## Review of Operations

5. Mr. Pilong reviewed PJM Operations since the last OC Meeting which included a complete summary of June operational events, and a partial summary of July events. The June events included 7 Hot Weather Alerts, 3 Geomagnetic Disturbance Warnings, 4 Shared Reserve events, and 1 Load Shed Event which impacted the Atlantic City Electric transmission zone on June 23<sup>rd</sup>. The Partial July summary included 2 Hot Weather Alerts and 2 Shared Reserve events.
6. Mr. Bryson reviewed the PJM Operating Metric Slides, updated with July data. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch performance.
7. Mr. D'Antonio provided a follow up to the 'Generator Distributed Control System Impact on Automatic Voltage Regulators' NERC Lessons Learned which was published on June 9, 2015.
8. Mr. Ciabattone reviewed details of the new Dominion – Chesapeake Pricing Interface. The interface's effective date is August 14, 2015.

## OC Subcommittee Updates

9. Mr. Pilong provided a summary of the SOS meeting.
10. Mr. Bryson provided a summary of the SIS meeting.
11. The SRCS had not met since the last OC Meeting.

## Endorsements / Approvals

12. Mr. Boyle reviewed the PJM Training and Certification Requirements Non-Compliance Problem Statement. **The Operating Committee approved the Problem Statement/Issue Charge with 0 objections and 0 abstentions.** The issue will be addressed through the System Operations Subcommittee.
13. Mr. D'Antonio reviewed changes to Manual 37: Reliability Coordination. The changes included several administrative updates. Sections 3.1 and 3.2 were also updated to clarify that IROLs are a subset of SOLs rather than a distinct set of limits, and that PJM controls to the most conservative (applicable) limit. **The Operating Committee approved the Problem Statement/Issue Charge with 0 objections and 0 abstentions.**
14. An informational update was provided for the following PJM manuals which were recently revised and posted. The updates were administrative in nature, and therefore did not require stakeholder review.
  - Manual 39: Nuclear Plant Interface Coordination
  - Manual 11: Energy & Ancillary Services Market Operations
  - Manual 14D: Generator Operational Requirements

## First Readings

15. Mr. Schweizer reviewed changes to Manual 10: Pre-Scheduling Operations. The changes are being proposed based on PJM's Capacity Performance filing, with intent to provide clarification on generator Outages rules. A note was added to Section 2.2.2 referencing that members shall provide PJM with an estimate of time needed to return a Generation Capacity Resource on a Planned Outage that is already underway. Additional notes were added to Section 2.3.2 referencing Maintenance Outage submittal deadlines, and PJM's authority to rescind approval of Maintenance Outages to ensure adequate operating reserves. **\*\*The Operating Committee will be asked to endorse these changes at the next Operating Committee meeting.**
16. Mr. Schweizer presented the results of the Cold Weather Resource Improvement process survey. Members voted on 4 separate options to determine which changes should be incorporated into the Cold Weather Resource Operational Exercise process. Based on the survey results, members chose to maintain the status quo process, with a few minor updates to the relevant language in Manual 14D: Generator Operational Requirements. The results were incorporated into Manual 14D draft language, and Mr. Schweizer performed a first read of the changes. **\*\*The Operating Committee will be asked to endorse these changes at the next Operating Committee meeting.**
17. Mr. Nice presented a first read of the Manual 01 Metering Requirements Problem Statement. The focus of the problem statement is on metering requirements found in Manual 01. A task force is being recommended to address the issue due to the technical details of the metering requirements. **\*\*The Operating Committee will be asked to approve the Problem Statement/Issue Charge at its next meeting.**

18. Mr. Sitarchyk reviewed changes to Manual 40: Certification and Training Requirements. The overall manual updates provide additional clarity to various concepts, roles, and responsibilities associated with PJM's Systematic Approach to Training. Additional changes include process updates to the Member Training & PJM Certification (Term of Certification). Terminology related to Operator titles within PJM were also updated for consistency with NERC definitions, and based on feedback from the Dispatcher Training Subcommittee Members. \*\*The Operating Committee will be asked to endorse these changes at the next Operating Committee meeting.

## Tool and Informational Updates

19. Mr. Hoang discussed the Cloverdale-Lexington Winter 2016 outage and Bath County Stability SPS extension.
20. Mr. Pilong provided a status update of the Instantaneous Reserve Check eDART enhancement.
21. Mr. Mulhern provided an update on the Behind-the-Meter Initiative.
22. Mr. Tam reviewed a proposed change to PJM's long-term transmission outage submission rule. The proposed change would broaden the scope of the current 30 day transmission outage rule to apply to any transmission facilities which are out of service for a total of more than 30 days within an 8 week timespan of a single planning year. In the coming months, the proposed change will be presented to stakeholders in the form of language updates to Manual 03: Transmission Operations. The target effective date of the changes is December 1, 2015, and thus the new outage rule (if approved) would apply to the 2016-17 planning year.
23. Mr. Thompson provided an update on the development of PJM's web based generator data submission tool. The tool is being developed in support of NERC standard MOD-032.
24. Mr. Kappagantula provided an update on NERC, SERC and RFC standards and other pertinent regulatory and compliance information, and solicited feedback from the members on the N&RC departmental efforts. There are currently several standards under development, and several standards subject to future enforcement.
25. Mr. Bunyon reviewed the upcoming sector-wide grid security exercise, GridEx III. The NERC sponsored exercise will be conducted November 18 – 19 of this year.

## Informational Section

The following informational updates were provided to the OC members:

On Monday, August 17<sup>th</sup> from 2 – 4pm, PJM will be holding a training session for Markets Gateway, the tool which is replacing eMarket. Registration is now open. Ms. Risa Holland will be available during the meeting to answer any related questions.

A status update related to the 2013 Hot Weather and 2014 Cold Weather Recommendations has been posted for informational purposes.

## Future Meeting Dates

September 8, 2015	9:00 am	PJM Conference and Training Center
October 6, 2015	9:00 am	PJM Conference and Training Center
November 3, 2015	9:00 am	PJM Conference and Training Center
December 1, 2015	9:00 am	PJM Conference and Training Center

Author: Jeff McLaughlin

## In Attendance (In Person)

Last Name	First Name	Company	Sector
Bryson (Chair)	Mike	PJM Interconnection, LLC	Not Applicable
McLaughlin (Secretary)	Jeffrey	PJM Interconnection, LLC	Not Applicable
Benchek	Jim	FirstEnergy Solutions Corporation	Transmission Owner
Foladare	Kenneth	IMG Midstream LLC	Generation Owner
Gallagher	William	AF Mensch	Other Supplier
Griffiths	Dan	Consumer Advocates of PJM States	Not Applicable
Guhaa	Subham	AF Mensch	Other Supplier
Hackman	Harry	Primary Power LLC	Other Supplier
Hagaman	Derek	GT Power Group	Transmission Owner
Hastings	David	Market Interconnection LLC	Not Applicable
Heidorn	Rich	RTO Insider	Not Applicable
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Kak	Kunal	AF Mensch	Other Supplier
Lieberman	Steven	Old Dominion Electric Cooperative	Electric Distributor

Low	Connie	Dominion Virginia Power	Not Applicable
O'Connell	Bob	Main Line Electricity Market Consultants	Not Applicable
Pratzon	David	GT Power Group	Not Applicable
Stadelmeyer	Rebecca	Exelon Business Services Company, LLC	Transmission Owner
Stewart	Travis	Gable and Associates	Not Applicable
Trayers	Barry	Citigroup Energy, Inc.	Other Supplier
Weaver	David	Exelon	Transmission Owner

### 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
Baidwan	Sandeep	Continuum Associates Inc.	Not Applicable
Berlinski	Mike	Customized Energy Solutions	Not Applicable
Blackshear	David	Constellation Energy Control and Dispatch, LLC	Other Supplier
Bleiweis	Bruce	DC Energy, LLC	Other Supplier
Bolan	Martin	First Energy Solutions	
Bonner	Charles	Dominion Virginia Power	
Brooks	Michael	RTO Insider	Not Applicable
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier
Carmean	Gregory	OPSI	Not Applicable
Carro	Dan	Dominion Virginia Power	
Copeland	Doug	EDF Renewable Energy	Other Supplier
Czigler	Frank	Public Service Electric & Gas	Transmission Owner

D'Alessandris	Lou	FirstEnergy Corporation	Transmission Owner
Davis	Connie	City of Cleveland, DPU	Electric Distributor
De Geeter	Ralph	Maryland Public Service Commission	Not Applicable
DeLosa	Joe	State of Delaware	Not Applicable
Duan	Robert	Ontario Power Generation	Other Supplier
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Erickson	Bruce	Alleghany Electric Cooperative, Inc.	Electric Distributor
Farber	John	State of Delaware	Not Applicable
Fernandes	John	RES America Developments Inc.	Other Supplier
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Garavaglia	John	Commonwealth Edison Company	Transmission Owner
Garnett	Bryan	Duke Energy	
Gates	Terry	Appalachian Power Company	Transmission Owner
Gebele	Don	Dayton Power & Light Company	Transmission Owner
Gebolys	Debbie	Other	Not Applicable
Godson	Gloria	Pepco Holdings	
Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Guo	JJ	Appalachian Power Company	Transmission Owner
Gupta	Vinit	ITC Transmission	
Haynes	Gregory	Energy Authority, Inc.	Other Supplier
Hebert	Chris	Beacon Power, LLC	Other Supplier
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Hostetler	Tim	Appalachian Power Company	Transmission Owner

Hunter	Andy	FirstEnergy Solutions Corporation	Transmission Owner
Hyzinski	Tom	Talen Energy Marketing, LLC	Generation Owner
Jardot	Gina	Essential Power LLC	
Jones	Ryan	CCS Energy Services	
Kowalczyk	Nick	Rockland Electric Company	Transmission Owner
Kumaraswamy	Kiran	AES Energy Storage LLC	Generation Owner
Liang-Nicol	Cecilia	First Energy Solutions Corporation	Transmission Owner
Libbos	Robin	FirstEnergy Solutions Corporation	Transmission Owner
Ma	Alex	Invenergy	Generation Owner
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Markiewicz	Cindy	Allegheny Power	Transmission Owner
Melnyk	Markian	Atlantic Wind Connection	
Metzler	Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Miller	Jermel	Baltimore Gas and Electric Company	Transmission Owner
Morin	Graham	Johnson Controls, Inc.	Not Applicable
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
O'Leary	Christopher	PSEG Energy Resources and Trade LLC	Transmission Owner
Ondayko	Brock	Appalachain Power Company	Transmission Owner
Pakela	Gregory	DTE Energy Supply, Inc.	Other Supplier
Philips	Marji	Direct Energy	Other Supplier
Price	Russell	UGI Utilities, Inc.	Transmission Owner
Richardson	Chip	PPL Electric Utilities Corp.	Transmission Owner

Rutigliano	Tom	Achieving Equilibrium LLC	Other Supplier
Santarelli	Paul	PPL Electric Utilities Corp.	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Schneider	Jon	FirstEnergy Solutions Corporation	Transmission Owner
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Sillin	John	Federal Energy Regulatory Commission	Not Applicable
Skumanich	Bill	PPL Electric Utilities Corp.	Transmission Owner
Slade	Louis	Dominion Virginia Power	Transmission Owner
Summers	Jim	Delmarva Power & Light Company	Electric Distributor
Summers	Ted	Direct Energy	Other Supplier
Vaudreuil	Greg	Mosaic Power	Other Supplier
Weghorst	Brad	Talen Energy Marketing, LLC	Generation Owner
Wharton	Ronald	Public Service Electric & Gas Company	Transmission Owner
White	Doug	North Carolina Electric Membership Corporation	Electric Distributor
Wilson	James	Wilson Energy Economics	Not Applicable
Wisersky	Megan	Madison Gas & Electric Company	Other Supplier
Yohnk	Darrel	ITC Transmission	
Yu	Joel	Rockland Electric Company	Transmission Owner

## PJM Attendees

Last Name	First Name	Company	Sector
Anders	Dave	PJM Interconnection, LLC	Not Applicable
Boyle	Glen	PJM Interconnection, LLC	Not Applicable
Bunyon	Leroy	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
Endress	Eric	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Ford	Adrien	PJM Interconnection, LLC	Not Applicable
Heimbach	Mark	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal	PJM Interconnection, LLC	Not Applicable
Hoang	Liem	PJM Interconnection, LLC	Not Applicable
Hoffman	Jeff	PJM Interconnection, LLC	Not Applicable
Holland	Risa	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Jani	Alpa	PJM Interconnection, LLC	Not Applicable
Kappagantula	Sri	PJM Interconnection, LLC	Not Applicable
Kormos	Mike	PJM Interconnection, LLC	Not Applicable
Lee	Ray	PJM Interconnection, LLC	Not Applicable
Miehlke	Tracy	PJM Interconnection, LLC	Not Applicable
Mulhern	Joe	PJM Interconnection, LLC	Not Applicable
Nice	Ryan	PJM Interconnection, LLC	Not Applicable
Olaleye	Michael	PJM Interconnection, LLC	Not Applicable
Patel	Anita	PJM Interconnection, LLC	Not Applicable

Pilong	Christopher	PJM Interconnection, LLC	Not Applicable
Schweizer	David	PJM Interconnection, LLC	Not Applicable
Sitarchyk	Mike	PJM Interconnection, LLC	Not Applicable
Smith	Ryan	PJM Interconnection, LLC	Not Applicable
Tam	Simon	PJM Interconnection, LLC	Not Applicable
Thompson	Jonathan	PJM Interconnection, LLC	Not Applicable
Wallin	Don	PJM Interconnection, LLC	Not Applicable
Weiss	Glenn	PJM Interconnection, LLC	Not Applicable