

Operating Committee
PJM Conference and Training Center
September 8th, 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 August 11th, 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 July operational events, and a partial summary of August events. The July events included 4 Hot Weather Alerts, 1 Max Emergency Generation Alert, and 4 Shared Reserve events. The Partial August summary included 1 Hot Weather Alert, 1 Geomagnetic Disturbance Warning, and 2 Shared Reserve events.
6. Mr. Bryson reviewed the PJM Operating Metric Slides, updated with August 2015 data. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch performance.
7. Mr. Hsia provided a summary of Regulation performance in 2015 through August 24th. The summary included Regulation requirements, average market clearing price, average Marginal Benefit Factor, and a breakdown of resource types and their associated performance.
8. Mr. Hsia provided a summary of Synchronous Reserve performance for 2nd quarter 2015. The summary included a breakdown of resource performance during the 4 Synchronous Reserve events encountered during the 2nd quarter, as well as the credits and penalties which were assessed.
9. There were no recent NERC Lessons Learned to review.
10. There were no new or updated Closed Loop Interfaces since the last OC.

OC Subcommittee Updates

11. Mr. Pilong provided a summary of the SOS meeting.

12. Mr. Graff provided a summary of the SIS meeting.
13. The SRCS had not met since the last OC meeting.

Endorsements / Approvals

14. Mr. Schweizer reviewed changes to Manual 10: Pre-Scheduling Operations. The changes were 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 indicating 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 endorsed these changes with 0 objections and 0 abstentions.**
15. Mr. Schweizer reviewed changes to Manual 14D: Generator Operational Requirements. The changes were driven by the results of the Cold Weather Resource Improvement process survey. Based on the results of the survey, members chose to maintain the status quo process, with a few minor updates to the relevant language in Manual 14D. ****The Operating Committee endorsed these changes with 0 objections and 0 abstentions.**
16. Mr. Nice presented a final read of the Manual 01 Metering Requirements Problem Statement. A task force is being recommended to address the issue due to the technical details of the metering requirements. **The Operating Committee approved the Problem Statement/Issue Charge with 0 objections and 0 abstentions.**
17. Ms. Patel 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 endorsed these changes with 0 objections and 0 abstentions.**
18. Mr. Kuras reviewed the TO/TOP Matrix version 9 update. The update involved administrative changes including the removal of standards which were more than 3 years past their enforceable date. There were also changes to several existing standards, as well as the addition of 3 new standards including COM-001-2, which becomes enforceable on 10/1/2015. ****The Operating Committee provided a recommendation for approval to the TOA-AC with 0 objections and 0 abstentions.**

Tool and Informational Updates

19. Mr. Snow discussed the preliminary 2016 PJM projects. A breakdown of the preliminary 2016 capital budget was presented, along with details of the projects to which these funds will be allocated. These projects fell into several key categories including the enhancement of existing applications, application replacement, and infrastructure upgrades. The preliminary 2016 budget will be reviewed by the PJM Board of Managers on October 15th.

20. Mr. McLaughlin provided an update on the development of PJM's web based generator data submission tool, and solicited volunteers to participate in the tool's pilot program. The tool is being developed in support of NERC standard MOD-032.

21. Mr. Kuras 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.

Future Meeting Dates

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
Adams	Drew	A.F. Mensah, Inc.	Other Supplier
Benchek	Jim	FirstEnergy Solutions Corporation	Transmission Owner
Blair	Tom	Monitoring Analytics, LLC	Not Applicable
Borgatti	Michael	Gable and Associates	Not Applicable
Copeland	Doug	EDF Renewable Energy	Other Supplier
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Foladare	Kenneth	IMG Midstream LLC	Generation Owner
Gallagher	William	AF Mensch	Other Supplier
Griffiths	Dan	Consumer Advocates of PJM States	Not Applicable
Haas	Howard	Monitoring Analytics, LLC	Not Applicable
Hackman	Harry	Primary Power LLC	Other Supplier

Hagaman	Derek	GT Power Group	Transmission Owner
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Liu-Raufer	Phyllis	PSEG Energy Resources and Trade LLC	Transmission Owner
O'Connell	Bob	Main Line Electricity Market Consultants	Not Applicable
O'Leary	Christopher	PSEG Energy Resources and Trade LLC	Transmission Owner
Pratzon	David	GT Power Group	Not Applicable
Reed	Paul	Viridity Energy, Inc.	Other Supplier
Rutigliano	Tom	Achieving Equilibrium LLC	Other Supplier
Stewart	Travis	Gable and Associates	Not Applicable
Weaver	David	Exelon	Transmission Owner

In Attendance (Via Conference Call)

Last Name	First Name	Company	Sector
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Alfayyumi	Mohammed	Dominion Virginia Power	Not Applicable
Barker	Jason	Exelon	Transmission Owner
Berlinski	Mike	Customized Energy Solutions	Not Applicable
Blackshear	David	Constellation Energy Control and Dispatch, LLC	Other Supplier
Bonner	Charles	Dominion Virginia Power	
Brodbeck	John	Potomac Electric Power Company	Electric Distributor
Burwen	Jason	Energy Storage Association	Other Supplier
Campbell	Bruce	EnergyConnect, Inc.	Other Supplier

Carmean	Gregory	OPSI	Not Applicable
Cedeno Mendoza	Oscar	Duke Energy	Transmission Owner
Chadwick	Ben	Constellation Energy	
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
Esposito	Pati		
Farber	John	State of Delaware	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Gates	Terry	Appalachian Power Company	Transmission Owner
Gebele	Don	Dayton Power & Light Company	Transmission Owner
Godson	Gloria	Pepco Holdings	
Greening	Michele	PPL EnergyPlus, L.L.C.	Transmission Owner
Guo	JJ	Appalachian Power Company	Transmission Owner
Hastings	David	Market Interconnection LLC	Not Applicable
Hanes	Spencer	Duke Energy	Transmission Owner
Harris	Stew	Carmen Group	
Hebert	Chris	Beacon Power, LLC	Other Supplier
Herel	Suzanne		
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Horning	Lynn Marie		

Hostetler	Tim	Appalachian Power Company	Transmission Owner
Hunter	Andy	FirstEnergy Solutions Corporation	Transmission Owner
Jardot	Gina	Essential Power LLC	
Jones	Ryan	CCS Energy Services	
Liang-Nicol	Cecilia	First Energy Solutions Corporation	Transmission Owner
Lieberman	Steve	Old Dominion Electric Cooperative	Electric Distributor
Lowe	Connie	Dominion Virginia Power	Not Applicable
Ma	Alex	Invenergy	Generation Owner
Mabry	David	McNees Wallace & Nurick LLC	Not Applicable
Marhoefer	Jay	Intelligent Generation LLC	Other Supplier
Markiewicz	Cindy	Allegheny Power	Transmission Owner
Marton	David	FirstEnergy Solutions Corporation	Transmission Owner
McDonald	Matt	Duke Energy	Transmission Owner
Melnyk	Markian	Atlantic Wind Connection	
Metzler	Jakob	Castleton Commodities Merchant Trading L.P.	Other Supplier
Norton	Chris	American Municipal Power, Inc.	Electric Distributor
Ondayko	Brock	Appalachain Power Company	Transmission Owner
Pakela	Gregory	DTE Energy Supply, Inc.	Other Supplier
Pleiss	Bob	Constellation Energy	
Price	Russell	UGI Utilities, Inc.	Transmission Owner
Richardson	Chip	PPL Electric Utilities Corp.	Transmission Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable

Schum	Alice	Illinois Municipal Electric Agency	
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Sillin	John	Federal Energy Regulatory Commission	Not Applicable
Skumanich	Bill	PPL Electric Utilities Corp.	Transmission Owner
Smith	Jacqueie	Reliability First Corporation	Not Applicable
Stadelmeyer	Rebecca		
Suh	Jung	Noble Solutions	
Thrum	Marc	Intelligent Generation LLC	Other Supplier
Von Eck	Chad	Viridity Energy, Inc.	Other Supplier
Weghorst	Brad	Talen Energy Marketing, LLC	Generation Owner
Wetzel	Ray	Constellation Energy	
Wharton	Ronald	Public Service Electric & Gas Company	Transmission Owner
White	Doug	North Carolina Electric Membership Corporation	Electric Distributor
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
Baker	Scott	PJM Interconnection, LLC	Not Applicable
Burlew	Jim	PJM Interconnection, LLC	Not Applicable
Carroll	Rebecca	PJM Interconnection, LLC	Not Applicable
Ciabattoni	Joe	PJM Interconnection, LLC	Not Applicable

Endress	Eric	PJM Interconnection, LLC	Not Applicable
Fabiano	Janell	PJM Interconnection, LLC	Not Applicable
Fereshetian	Damon	PJM Interconnection, LLC	Not Applicable
Graff	Ron	PJM Interconnection, LLC	Not Applicable
Heimbach	Mark	PJM Interconnection, LLC	Not Applicable
Holland	Risa	PJM Interconnection, LLC	Not Applicable
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Hugee	Jacqui	PJM Interconnection, LLC	Not Applicable
Kimmel	David	PJM Interconnection, LLC	Not Applicable
Kuras	Mark	PJM Interconnection, LLC	Not Applicable
Martini	Danielle	PJM Interconnection, LLC	Not Applicable
Miehlke	Tracy	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
Snow	Jim	PJM Interconnection, LLC	Not Applicable
Velasco	Cheryl Mae	PJM Interconnection, LLC	Not Applicable