

Operating Committee
Webex Only
September 3, 2020
9:00 a.m. – 12:00 p.m. EPT

Administration

1. Lauren Strella Wahba, PJM, provided announcements; review the Antitrust, Code of Conduct, Public Meetings/Media Participation, and the WebEx Participant Identification Requirement.
 - a. Reviewed and approved the Operating Committee (OC) agenda for this meeting.
 - b. Reviewed and approved draft minutes of the August 6 OC meeting.
 - c. Reviewed the OC work plan.

Review of Operations

2. PJM COVID-19 Update
Paul McGlynn, PJM, provided an update on PJM's operations plan in response to COVID-19.
<https://pjm.com/committees-and-groups/pandemic-coordination.aspx>
3. PJM August 3, 2020 Technical Issues Update
Sean McNamara, PJM, discussed the technical issues that temporarily caused a number of PJM's applications, tools, pjm.com, and external email to be inaccessible after business hours on Monday, Aug. 3, 2020.
4. Review of Operating Metrics
Stephanie Monzon, PJM, reviewed the August 2020 PJM operating metrics slides. Metrics will include PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.

First Reading

5. Manual 14D Changes
Darrell Frogg, PJM, reviewed updates to Manual 14D: Generator Operational Requirements.
The Operating Committee will be asked to endorse these changes at the next meeting.
6. Manual 10 Changes
Vince Stefanowicz, PJM, reviewed updates to Manual 10: Pre-Scheduling Operations.
The Operating Committee will be asked to endorse these changes at the next meeting.

Tool and Informational Updates

7. Summary of ISO/RTO Council Response to DOE's Request for Information on the Bulk-Power System Executive Order
Craig Glazer, PJM, provided an update on Department of Energy Efforts to Implement the President's Executive Order to Remove Grid Equipment Connected to 'Foreign Adversaries'.

8. System Operations Subcommittee (SOS) Report
Rebecca Carroll, PJM, provided a summary of the most recent SOS meeting.
9. Intelligent Reserve Deployment (IRD) Rollout
Mike Zhang, PJM, provided an update on the status of the IRD rollout.
10. Synchronous Reserve Update
David Kimmel, PJM, provided review of recent synchronized reserve performance.
11. Remedial Action Scheme (RAS) Retirement Review
Chris Szmodis, PPL, reviewed the retirement of the Susquehanna Catty Corner RAS.
12. PJM Project Summary for Upcoming Year
Jim Snow, PJM, reviewed the Preliminary 2021 Project Budget.
13. Behind the Meter Generation Business Rules on Status Changes
Terri Esterly, PJM, provided an informational update on the Problem Statement and Issue Charge at the MIC which addresses the updates to the Behind the Meter Generation business rules related to a BTMG unit changing status from BTMG (netting against the load) to a resource participating in PJM Markets (and vice versa).
14. Post-MRC Discussion Regarding PMUs
Mark Stanisz, PJM, addressed certain legal issues regarding phasor measurement units (PMUs) that arose at the August 20 MRC meeting.
15. NERC Lessons Learned
Donnie Bielak, PJM, reviewed the latest posted NERC Lessons Learned reports.
16. Reliability Compliance Update
Mark Kuras, PJM, provided an update on NERC, SERC and RFC standards, and other pertinent regulatory and compliance information, and solicit feedback from the members on Reliability Compliance efforts.

Black Start Unit Testing, CRF, Involuntary Termination, and Substitution Rules

17. Black Start Unit Testing, CRF, Involuntary Termination, and Substitution Rules Matrix
 - a. Becky Davis, PJM, provided a first read of the PJM solution package.
The Operating Committee will be asked to endorse the solution package at the next meeting.
 - b. Joe Bowring, IMM, provided a first read of the IMM solution package.
The Operating Committee will be asked to endorse the solution package at the next meeting.
 - c. Mike Borgatti, Gabel Associates, presented the potential impacts of the proposed Black Start rate changes on behalf of Black Start Resource Owners.

Action Items

1. PJM to review the interest rates for fuel carrying cost used in the base formula rate and present findings at the October OC meeting.
2. PJM to provide an additional presentation on the Intelligent Reserve Deployment (IRD) rollout at the October OC meeting. This update will include: the number of times there were spin events for the loss of the largest unit, education on the concern around high LMPs as a result of basing IRD off of the largest unit and constraint control issues when a unit is not in the right zone as the actual loss, and data around existing IRD cases ran in the PJM Sandbox environment

Attendance (WebEx)

Last Name	First Name	Company	Sector
Phillips (Chair)	Darlene	PJM Interconnection	Not Applicable
Strella Wahba (Secretary)	Lauren	PJM Interconnection	Not Applicable
Ainspan	Malcolm	Energy Curtailment Specialists, Inc.	Other Supplier
Anders	David	PJM Interconnection	Not Applicable
Balascak	Andrew	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Benckek	Jim	First Energy	Transmission Owner
Bennett	Dan	PJM Interconnection	Not Applicable
Bennett	Stephen	PJM Interconnection	Not Applicable
Berger	Keith	First Energy Company	Transmission Owner
Bielak	Donnie	PJM Interconnection	Not Applicable
Blair	Tom	Monitoring Analytics	None
Bockhorn	Tim	Dayton Power & Light Company	Transmission Owner
Borgatti	Mike	Gabel Associates	Not Applicable
Bowring	Joe	Monitoring Analytics	None
Boyle	Glen	PJM Interconnection	Not Applicable
Brady	George	Ohio Valley Electric Corp	Generation Owner
Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Bryson	Mike	PJM Interconnection	Not Applicable
Burlew	James	PJM Interconnection	Not Applicable
Cao	Roger	PJM Interconnection	Not Applicable
Capra	Carlo	ITC Interconnection LLC	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Carroll	Rebecca	PJM Interconnection	Not Applicable
Caven	Augustine	PJM Interconnection	Not Applicable
Cerchio	Jerry	Monitoring Analytics	None
Chen	Hong	PJM Interconnection	Not Applicable
Christopher	Mahila	PUCO Ohio	None

Chu	George	PJM Interconnection	Not Applicable
Collins	Kevin	Cornerstone Gas, L.L.C.	Generation Owner
Crystle	Gil	UGI Development Company	Transmission Owner
Dajewski	Paul	PJM Interconnection	Not Applicable
D'Alessandris	Lou	First Energy	Transmission Owner
Davis	Jim	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis	Elizabeth	PJM Interconnection	Not Applicable
DeGiusto	Vince	UGI Development Company	Generation Owner
Dillon	Matt	UGI Development Company	Generation Owner
Dolan	James	PJM Interconnection	Not Applicable
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Ericson	Christine	Illinois Commerce Commission	Not Applicable
Esterly	Theresa	PJM Interconnection	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Fereshetian	Damon	PJM Interconnection	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Fitzpatrick	Brian	PJM Interconnection	Not Applicable
Foladare	Kenneth	Geenex Solar LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Electric Distributor
Frogg	Darrell	PJM Interconnection	Not Applicable
Gates	Terry	Appalachian Power Company (AEP Generation)	Transmission Owner
Gebele	Don	Dayton Power & Light Company	Transmission Owner
Gebolys	Debbie	Public Utilities Commission of Ohio	Not Applicable
Genuario	Gabrielle	PJM Interconnection	Not Applicable
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Glazer	Craig	PJM Interconnection	Not Applicable
Gradoville	Keenan	Unknown	Unknown
Grear	Mark	Exelon Generation Co., LLC	Generation Owner
Greening	Michele	PJM Interconnection	Not Applicable
Greiner	Gary	PSEG Energy Resources and Trade LL	Other Supplier
Grubb	Rick	Newark Energy Center, LLC	Generation Owner
Guntle	Vince	UGI Development Company	Generation Owner
Hanebuth	Michele	Consolidated Edison Company of NY, Inc.	Transmission Owner
Hanser	Erik	Michigan Public Service Commission	Not Applicable
Hauske	Tom	PJM Interconnection	Not Applicable

Helms	Joseph	Rainbow Energy Marketing Corporation	Other Supplier
Hendrzak	Chantal	PJM Interconnection	Not Applicable
Herel	Suzanne	PJM Interconnection	Not Applicable
Hoang	Liem	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Hsia	Eric	PJM Interconnection	Not Applicable
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Hunter	Andy	Metropolitan Edison Company	Transmission Owner
Hyzinski	Tom	GT Power Group, LLC	None
Iler	Art	Indiana Office of Utility Consumer Counsel	End Use Customer
Janicki	Diane	BETM	None
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Keenan	Matthew	Jpower USA	Not Applicable
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kimmel	David	PJM Interconnection	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Kuras	Mark	PJM Interconnection	Not Applicable
Lee	Ray	PJM Interconnection	Not Applicable
Libbos	Robin	First Energy	Transmission Owner
Lowe	Connie	Dominion Virginia Power	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Mariam	Yohannes	Office of the Peoples Counsel for the District of Columbia	End User Customer
Mason	Ray	ReliabilityFirst Corporation	Not Applicable
Matheson	Eric	Pennsylvania Public Utility Commission	Not Applicable
Matuszak	Alex	UGI Energy Services, LLC	Other Supplier
McGlynn	Paul	PJM Interconnection	Not Applicable
McNamara	Sean	PJM Interconnection	Not Application
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Monzon	Stephanie	PJM Interconnection	Not Applicable
Murphy	Shaun	PJM Interconnection	Not Applicable
Nelson	Floyd	NRG Power Marketing LLC	Generation Owner
Nix	Emma	Gabel Associates	None
Olaleye	Michael	PJM Interconnection	Not Applicable
O'Leary	Chris	PSEG Energy Resources and Trade LLC	Transmission Owner

Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel	Anita	PJM Interconnection	Not Applicable
Pilong	Christopher	PJM Interconnection	Not Applicable
Pincus	Steve	PJM Interconnection	Not Applicable
Poulos	Steven	CAPS	Not Applicable
Rigney	Peter	Northampton Generating Company L.P.	Generation Owner
Rodriguez	Tomás	OPSI	None
Rohrbach	John	Southern Maryland Electric Cooperative	Electric Distributor
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Schmitt	Jeffrey	PJM Interconnection	Not Applicable
Schuyler	Ken	PJM Interconnection	Not Applicable
Schweizer	David	PJM Interconnection	Not Applicable
Sillin	John	Federal Energy Regulatory Commission	None
Sims	Ryan	IGS	Not Applicable
Singer	Chad	Trane Grid Services, LLC	Other Supplier
Skumanich	Bill	RTR Energy Solutions LLC	None
Snow	Jim	PJM Interconnection	Not Applicable
Sotkiewicz	Paul	E-Cubed Policy Associates	Not Applicable
Squibb	Bill	Ohio Valley Electric	Generation Owner
Stanisz	Mark	PJM Interconnection	Not Applicable
Stefanowicz	Vince	PJM Interconnection	Not Applicable
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	Other	None
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Suh	Jung	Calpine Energy Services, L.P.	Generation Owner
Sullivan	James	Neptune Regional Transmission System, LLC	Transmission Owner
Svenson	Heather	Public Service Electric & Gas Company	Transmission Owner
Sweeney	Rory	GT Power Group, LLC	None
Szmodis	Chris	PPL Electric Utilities Corp.	Transmission Owner
Thomas	Jack	PJM Interconnection	Not Applicable
Tribulski	Jennifer	PJM Interconnection	Not Applicable
Whitehead	Jeff	GT Power Group	Not Applicable

Wise	Christopher	Dominion Energy Generation Marketing, Inc.	Generation Owner
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
Yoder	Michael	RTO Insider	None
Zhang	Mike	PJM Interconnection	Not Applicable
Zhao	Jenny	Appalachian Power Company	Transmission Owner

OC Subcommittee/ Task Force Informational Section

System Operations Subcommittee (SOS): [SOS Website](#)

Data Management Subcommittee (DMS): [DMS Website](#)

Distributed Energy Resources Subcommittee (DERS): [DERS Website](#)

System Restoration Coordinators Subcommittee (SRCS): [SRCS Website](#)

Primary Frequency Response Sr. Task Force (PFRSTF): [PFRSTF Website](#)

Fuel Requirements for Black Start Resources: [Fuel Requirements for Black Start Resources Issue Tracker](#)

Future Meeting Dates

October 8, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 6, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 3, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

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Antitrust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

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.

Public Meetings/Media Participation:

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