

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

Administration

1. Lauren Strella Wahba, PJM, provided announcements; reviewed 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 June 4 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. Review of June 3, 2020 Synchronous Reserve
Becky Carroll, PJM, reviewed the findings from the synchronized reserve intervals in Hour 16 on June 3, 2020.
4. Review of Operating Metrics
Hong Chen, PJM, reviewed the June 2020 PJM operating metrics slides. Metrics included PJM's load forecast error, BAAL performance, and transmission / generation outage statistics.

Endorsements

5. Manual 14D and Manual 27 Changes
Ray Fernandez, PJM, reviewed changes to be made to Manual 14D: Generator Operational Requirements based on feedback from the July MIC meeting. Ray will return to the August OC meeting to provide a first read on the updated language. The Operating Committee will be asked to endorse the changes during the September OC meeting.
6. DIMA Problem Statement and Issue Charge - "Quick Fix"
Ed Kovler, PJM, reviewed a problem statement and issue charge around Improving Situational Awareness with the Dispatch Interactive Map Application. This item was brought forward utilizing the "Quick Fix" process documented in PJM Manual 34.
The Operating Committee approved the Issue Charge with 0 objections and 0 abstentions. The solution was endorsed with 0 objections and 2 abstentions. The OA language update will be handled through the MRC.

First Reading

7. Manual 01 Changes
Shaun Murphy, PJM, reviewed updates to Manual 01: Control Center and Data Exchange Requirements to include new language for required synchrophasor data to support the Phasor Measurement Unit (PMU) placement plan in the RTEP planning process. **The Operating Committee will be asked to endorse the changes to Manual 01 at the next OC meeting.**

Tool and Informational Updates

8. Capacity Capability Senior Task Force Update
Andrew Levitt, PJM, provided a brief update on the progress of the Capacity Capability Senior Task Force.
9. Fuel Requirements for Black Start Resources Issue Charge Work Plan Update
David Schweizer, PJM, provided an update on the work plan for the Fuel Requirements for Black Start Resources which is currently on hiatus.
10. Primary Frequency Response Update
Becky Davis, PJM, provided an update on Primary Frequency Response BAL-003 performance and PJM Manual 12: Primary Frequency Response review.
11. NERC Lessons Learned
Donnie Bielak, PJM, reviewed the latest posted NERC Lessons Learned reports.
12. Reliability Compliance Update
Mark Kuras, PJM, provided an update on NERC, SERC and RFC standards, and other pertinent regulatory and compliance information. He also solicited feedback from the members on Reliability Compliance efforts.

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

13. Black Start Unit Testing, CRF, Involuntary Termination, and Substitution Rules Matrix
 - a. Becky Davis, PJM, provided a first read of the PJM solution package.
Based on a member's request, PJM agreed to provide an additional first read during the August OC meeting and to defer endorsement to the solution package until the September OC in order to give members more time to review the proposals.
 - b. Joe Bowring, IMM, provided a first read of the IMM solution package.
Based on a member's request, PJM agreed to provide an additional first read during the August OC meeting and to defer endorsement to the solution package until the September OC in order to give members more time to review the proposals.

Informational Only Updates

14. Manual 39 Changes

A revision to Manual 39: “Nuclear Plant Interface Coordination” was posted effective 06/22/2020. This revision includes only changes to the Attachment C: “Plant Specific NPIRs Revision History” reflecting recent plant specific nuclear plant interface requirement (NPIR) changes.

Action Items

1. PJM to create timeline of Black Start resource Substitution and Testing processes to be presented during the first read of the Black Start Unit Testing, CRF, Involuntary Termination, and Substitution Rules solution package at the August OC.

Attendance (WebEx)

Last Name	First Name	Company	Sector
Phillips (Chair)	Darlene	PJM Interconnection	Not Applicable
Strella Wahba (Secretary)	Lauren	PJM Interconnection	Not Applicable
Ament	Todd	Mahoning Creek Hydroelectric Company, LLC	Generation Owner
Anders	David	PJM Interconnection	Not Applicable
Balascak	Andrew	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Barker	Jason	Exelon Business Services Company, LLC	Transmission Owner
Barmer	Mike	Dominion Energy	None
Bennett	Dan	PJM Interconnection	Not Applicable
Berger	Keith	First Energy	Transmission Owner
Berton	Tyler	AEP Energy Partners, Inc.	Transmission Owner
Bielak	Donnie	PJM Interconnection	Not Applicable
Bleiweis	Bruce	DC Energy	None
Bowen	Brandon	Indiana Utility Regulatory Commission	Not Applicable
Bowring	Joe	Monitoring Analytics	None
Boyle	Glen	PJM Interconnection	Not Applicable
Brady	George	Ohio Valley Electric Corp	Generation Owner
Braerman	Ken	BGE	None
Brau	Brian	Silver Run Electric	Transmission Owner
Briggs	Mark	Tenaska Power Services Co. (TPS 4)	Generation Owner

Brodbeck	John	EDP Renewables North America LLC	Generation Owner
Brown	Rich	PJM Interconnection	Not Applicable
Bryson	Michael	PJM Interconnection	Not Applicable
Capra	Carlo	ITC Interconnection LLC	Transmission Owner
Carmean	Gregory	OPSI	None
Carroll	Rebecca	PJM Interconnection	Not Applicable
Cerchio	Jerry	Monitoring Analytics	None
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen	Hong	PJM Interconnection	Not Applicable
Chen	Yang	PJM Interconnection	Not Applicable
Christopher	Mahila	PUCO Ohio	None
Dajewski	Paul	PJM Interconnection	Not Applicable
D'Alessandris	Lou	First Energy	Transmission Owner
D'Antonio	Philip	PJM Interconnection	Not Applicable
Davis	Jim	Dominion Energy Generation Marketing, Inc.	Generation Owner
Davis	Elizabeth	PJM Interconnection	Not Applicable
DeGiusto	Vince	UGI Development Company	Generation Owner
Derin	Bilge	PJM Interconnection	Not Applicable
Dolan	James	PJM Interconnection	Not Applicable
Domian	Christin	Duquesne Light Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu	Nick	PJM Interconnection	Not Applicable
Eedupuganti	Subbarao	PJM Interconnection	Not Applicable
Egan	Amanda	PJM Interconnection	Not Applicable
Ericson	Christine	Illinois Commerce Commission	Not Applicable
Fabiano	Janell	PJM Interconnection	Not Applicable
Fan	Zhenyu	PJM Interconnection	Not Applicable
Felix	Robert	Duquesne Light Company	Transmission Owner
Fernandez	Raymond	PJM Interconnection	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.	None
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
Gilani	Rehan	ConEdison Energy, Inc.	Other Supplier
Gorman	Brad	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
Guntle	Vince	UGI Development Company	Generation Owner
Hanebuth	Michele	Consolidated Edison Company of NY, Inc	Transmission Owner
Hastings	David	PJM Committee Voting Generic Account	None
Hatch	Kevin	PJM Interconnection	Not Applicable
Hauske	Tom	PJM Interconnection	Not Applicable
Heidorn	Rich	RTO Insider	None
Herel	Suzanne	PJM Interconnection	Not Applicable
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Horning	Lynn	Customized Energy Solutions, Ltd.	None
Horstmann	John	Dayton Power & Light Company	Transmission Owner
Hsia	Eric	PJM Interconnection	Not Applicable
Hudis	Gabriella	Jersey Green Energy LLC	Other Supplier
Hunter	Andy	Metropolitan Edison Company (Transmission)	Electric Distributor
Hyzinski	Tom	GT Power Group, LLC	None
Janicki	Diane	BETM	None
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kilgallen	Kevin	Avangrid Renewables LLC	Generation Owner
Kimmel	David	PJM Interconnection	Not Applicable
Kogut	George	New York Power Authority	Other Supplier
Konowal	Richard	PJM Interconnection	Not Applicable
Kovler	Ed	PJM Interconnection	Not Applicable
Krawczyk	Leslie	ReliabilityFirst	None
Kuras	Mark	PJM Interconnection	Not Applicable
Lawson	Ryen	Dominion Virginia Power	Not Applicable
Lee	Ray	PJM Interconnection	Not Applicable
Levitt	Andrew	PJM Interconnection	Not Applicable
Libbos	Robin	First Energy	Transmission Owner
Mabry	David	McNees Wallace & Nurick LLC	None
Markiewicz	Cindy	FirstEnergy Solutions Corp.	Transmission Owner
McGlynn	Paul	PJM Interconnection	Not Applicable
Midgley	Sharon	Exelon Business Services Company, LC	Transmission Owner
Murphy	Shaun	PJM Interconnection	Not Applicable

Nix	Emma	Gabel Associates	None
Olaleye	Michael	PJM Interconnection	Not Applicable
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Pakela	Gregory	DTE Energy Trading, Inc.	Other Supplier
Pilong	Christopher	PJM Interconnection	Not Applicable
Pincus	Steve	PJM Interconnection	Not Applicable
Poulos	Greg	CAPS	Not Applicable
Rainey	John	Northern Virginia Electric Cooperative	Electric Distributor
Reams	Will	Allegheny Electric Cooperative, Inc.	Electric Distributor
Rodriguez	Tomás	OPSI	None
Sasser	Jonathan	Customized Energy Solutions, Ltd.	None
Scarpignato	David	Calpine Energy Services, L.P.	Generation Owner
Schweizer	David	PJM Interconnection	Not Applicable
Sells	Scott	East Kentucky Power Cooperative, Inc.	Transmission Owner
Sillin	John	Federal Energy Regulatory Commission	None
Sims	Ryan	IGS	Not Applicable
Skumanich	Bill	RTR Energy Solutions LLC	None
Souder	David	PJM Interconnection	Not Applicable
Squibb	Bill	Ohio Valley Electric	Generation Owner
Stern	Alex	Public Service Electric & Gas Company	Transmission Owner
Stone	Andy	Other	None
Sturgeon	John	Duke Energy Business Services LLC	Transmission Owner
Sweeney	Rory	GT Power Group, LLC	None
Tam	Simon	PJM Interconnection	Not Applicable
Thomas	Jack	PJM Interconnection	Not Applicable
Tobaidat	Tobaidat	Unknown	Unknown
Tribulski	Jennifer	PJM Interconnection	Not Applicable
Wallin	Don	PJM Interconnection	Not Applicable
Whitehead	Jeff	GT Power Group, LLC	None
Wisersky	Megan	Madison Gas & Electric Co.	Other Supplier
Yoder	Michael	RTO Insider	None
Zhang	Michael	PJM Interconnection	Not Applicable
Zhao	Tong	PJM Interconnection	Not Applicable

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

August 6, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
September 3, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
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:

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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:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

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