Operating Committee

Webex Only

June 4, 2020

9:00 a.m. – 12:00 p.m. EPT

Administration

Lauren Strella Wahba, PJM, provided announcements; reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation, and the WebEx Participant Identification Requirement.

* 1. Reviewed and approved the Operating Committee (OC) agenda for this meeting.
	2. Reviewed and approved draft minutes of the May 14 OC meeting.
	3. Reviewed the OC work plan.

Review of Operations

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>

Review of Operating Metrics

Mike Zhang, PJM, reviewed the May 2020 PJM operating metrics slides. Metrics included PJM’s load forecast error, BAAL performance, and transmission / generation outage statistics.

First Reading (9:35 – 10:00)

4. Manual 14D and Manual 27 Changes

 Ray Fernandez, PJM, reviewed updates to Manual 14D: Generator Operational Requirements and

 Manual 27: Open Access Transmission Tariff Accounting related to changes to deadlines for

 adjustments associated with finalizing the zonal network service peak load values. The Operating

 Committee will be asked to endorse changes at the next meeting.

5. 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 is being brought forward with the

 “Quick Fix” process documented in PJM Manual 34.

 The Operating Committee will be asked to endorse the Issue Charge at the next meeting.

Tool and Informational Updates

6. Fuel Security Periodic Update

 Natalie Tacka, PJM, provided an update on the Fuel Security initiative. A status update on the inputs

 and analysis conducted as a part of Phase III will be presented at the July OC meeting.

7. Operations Assessment Task Force (OATF)

 Simon Tam, PJM, reviewed the results of the summer 2020 OATF Study.

8. Synchronous Reserve Update

 Tom Hauske, PJM, provided a review of recent synchronized reserve performance.

Working Items

9. Black Start Problem Statement and Issue Charge

 Becky Davis, PJM, reviewed the solution matrix.

Action Items

1. PJM to investigate the synchronized reserve shortage intervals and high pricing intervals on June 3, 2020 and present the findings at July OC meeting.
2. A status update to be provided on the inputs and analysis conducted as a part of Phase III Fuel Security Analysis to be presented at the July OC meeting.
3. PJM to review and comment on the NEISO proposal for market revisions, potential implications if there is less fuel inventory in PJM, and how COVID-19 impacts are factored into the study.
4. PJM to provide a work plan update on the Fuel Assurance for Black Start Resources at the July OC meeting.

Attendance (WebEx)

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| --- | --- | --- | --- |
| 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 |
| Balachandran | Venkat | 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 |
| Benchek | Jim | First Energy | Transmission Owner |
| Bennett | Dan | PJM Interconnection | Not Applicable |
| Berger | Keith | First Energy | Transmission Owner |
| Blair | Tom | Monitoring Analytics, LLC | Not Applicable |
| Bleiweis | Bruce | DC Energy | None |
| Bloodworth | Michelle | ACCCE | Not Applicable |
| Boyle | Glen | PJM Interconnection | Not Applicable |
| Braerman | Ken | BGE | None |
| Briggs | Mark | Tenaska Power Services Co. (TPS 4) | Generation Owner |
| Brodbeck | John | EDP Renewables North America LLC | Generation Owner |
| Bryson | Michael | PJM Interconnection | Not Applicable |
| Capra | Carlo | ITC Interconnection LLC | Transmission Owner |
| Carmean | Gregory | OPSI | None |
| Carroll | Rebecca | PJM Interconnection | Not Applicable |
| Carter | Karyn | Orange & Rockland | Not Applicable |
| Cerchio | Jerry | Monitoring Analytics | None |
| Chang | Sean | Shell Energy North America (US), L.P. | Other Supplier |
| Chen | Hong | PJM Interconnection | Not Applicable |
| Christopher | Mahila | PUCO Ohio | None |
| 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 |
| Domian | Christin | Duquesne Light Company | Transmission Owner |
| Downs | Jere | PJM Interconnection | Not Applicable  |
| Dugan | Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Esterly | Theresa | PJM Interconnection | Not Applicable |
| Fabiano | Janell | PJM Interconnection | Not Applicable |
| Fan | Zhenyu | PJM Interconnection | Not Applicable |
| 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 |
| Foley | Imelda | University of Delaware | Not Applicable |
| Frogg | Darrell | PJM Interconnection | Not Applicable |
| Garnett | Bryan | Duke Energy Ohio, Inc. | Transmission Owner |
| Gates | Terry | Appalachian Power Company (AEP Generation) | Transmission Owner |
| Gebele | Don | PJM Connect | None |
| Genuario | Gabby | PJM Interconnection | Not Applicable |
| Gilani | Rehan | ConEdison Energy, Inc. | Other Supplier |
| Grear | Mark | Exelon Generation Co., LLC | Generation Owner |
| Greening | Michele | PJM Interconnection | Not Applicable |
| Greiner | Gary | PSEG Energy Resources and Trade LL | Other Supplier |
| 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 |
| 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 |
| Johnston | Dave | Other | None |
| Kalle | Ibrahima | Tibiri Energy Group, LLC | None |
| Kelly | Stephen | Brookfield Renewable Trading and Marketing LP (BSMH) | Other Supplier |
| Kogut | George | New York Power Authority | Other Supplier |
| Kovler | Ed | PJM Interconnection | Not Applicable |
| Krawczyk | Leslie | ReliabilityFirst | None |
| Libbos | Robin | First Energy | Transmission Owner |
| Lieberman | Steven | American Municipal Power, Inc.  | Electric Distributor |
| Lowe | Connie | Dominion Virginia Power | Transmission Owner |
| Mabry | David | McNees Wallace & Nurick LLC | None |
| Matuszak | Alex | UGI Energy Services, LLC | Other Supplier |
| McGlynn | Paul | PJM Interconnection | Not Applicable |
| McGovern | Jason | PJM Interconnection | Not Applicable |
| McGuire | Bob | Dominion Virginia Power | Not Applicable |
| Meadors | Mandy | Duke Energy | None |
| Midgley | Sharon | Exelon Business Services Company, LC | Transmission Owner |
| Murphy | Shaun | PJM Interconnection | Not Applicable |
| Nix | Emma | Gabel Associates | None |
| O’Leary | Chris | PSEG Energy Resources and Trade LLC | Other Supplier |
| 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 |
| Rocha-Garrido | Patricio | PJM Interconnection | Not Applicable |
| Rodriguez | Tomás | OPSI | None |
| Sasser | Jonathan | Customized Energy Solutions, Ltd. | None |
| Sauriol | Dennis | AEP Ohio Transmission Company, Inc. | Transmission Owner |
| Schloendorn | Ron | PECO Energy Company | Transmission 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 |
| Stack | James | Duquesne Light Company | None |
| 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 |
| Sullivan | James | Neptune Regional Transmission System, LLC | Transmission Owner |
| Svenson | Heather | Public Service Electric & Gas Company | Transmission Owner |
| Swalwell | Brad | Tangent Energy Solutions, Inc. | Other Supplier |
| Sweeney | Rory | GT Power Group, LLC | None |
| Tacka | Natalie | PJM Interconnection | Not Applicable |
| Tam | Simon | PJM Interconnection | Not Applicable |
| Taylor (Bill) | William | J Power USA | Generation Owner |
| Thomas | Jack | PJM Interconnection | Not Applicable |
| Tribulski | Jennifer | PJM Interconnection | Not Applicable |
| Vitiello | Jacki | Dominion Energy  |  |
| Walker | Preston | PPL Electric Utilities Corp | Transmission Owner |
| Watkin | Erik | 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 |

OC Subcommittee/ Task Force Informational Section

System Operations Subcommittee (SOS): [SOS Website](https://www.pjm.com/committees-and-groups/subcommittees/sos.aspx)

Data Management Subcommittee (DMS): [DMS Website](https://www.pjm.com/committees-and-groups/subcommittees/dms.aspx)

Distributed Energy Resources Subcommittee (DERS): [DERS Website](https://www.pjm.com/committees-and-groups/subcommittees/ders.aspx)

System Restoration Coordinators Subcommittee (SRCS): [SRCS Website](https://www.pjm.com/committees-and-groups/subcommittees/srcs.aspx)

Primary Frequency Response Sr. Task Force (PFRSTF): [PFRSTF Website](https://www.pjm.com/committees-and-groups/task-forces/pfrstf.aspx)

Fuel Requirements for Black Start Resources: [Fuel Requirements for Black Start Resources Issue Tracker](https://www.pjm.com/committees-and-groups/issue-tracking/issue-tracking-details.aspx?Issue=%7bB7F726E1-9F06-414E-8516-4D69B5050AF4%7d)

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| Future Meeting Dates |
| July 9, 2020 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| 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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Author: L. Strella Wahba

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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:

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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