

July Planning Committee

Teleconference / WebEx

July 7, 2020

9:00 a.m. – 12:30 p.m. EPT

Administration (9:00 – 9:15)

1. Dave Souder, PJM, called the meeting to order and Molly Mooney, PJM, reviewed the Antitrust, Code of Conduct, media participation, and WebEx guidelines.
2. Molly Mooney reviewed the July 7, 2020 Planning Committee Agenda. An announcement was made regarding two upcoming training sessions for Pre Queue and Post ISA education sessions. No changes to the agenda were requested.
3. Molly Mooney reviewed the draft minutes posted for the June 2nd, 2020 meeting and the Planning Committee approved the minutes.
4. Molly Mooney reviewed the Planning Committee Work Plan through the first two quarters of 2020. A request was made to provide more granularity on the task ending dates.

Endorsements (9:15 – 10:15)

5. PMU Placement in RTEP Planning Process
Shaun Murphy, PJM, reviewed the problem statement, issue charge and proposed solution to address PMU requirements in the RTEP planning process. After stakeholder discussion, the committee voted on the issue charge and proposed solution. **The committee approved the PMU Placement in RTEP Planning Process Issue Charge and the proposed solution to address this issue as part of the Quick Fix process outlined in Section 8.6.1 of Manual 34 with a vote of 136 Yes (89%), 16 No (11%), 17 Abstain.**

First Reads (10:15 – 11:00)

6. Load Model Selection
Patricio Rocha-Garrido, PJM, presented the results of the Load Model selection process for the 2020 Reserve Requirement Study. The committee will be requested to endorse this Load Model selection at the August PC meeting.
7. Manual 14A, B and G Changes
Onyinye Caven, PJM, presented changes to Manuals 14A, 14B and 14G in relation to the FERC's Order on PJM's Order 845 Second Compliance Filing. The committee will be requested to endorse the Manual changes at the August PC meeting.

Informational Updates (11:00 – 12:30)

8. Attachment M-3 Update
Aaron Berner, PJM, provided an Attachment M-3 update including a summary of improvements since October 2019, current efforts underway, and reviewed an action item list. Dave Souder communicated

that moving forward the Attachment M-3 process will be integrated into the standing committee agendas, specifically, the Action Item list will be part of the TEAC and Attachment M-3 updates will be part of the PC. Stakeholders had no additional questions or comments.

9. Recent Load Impacts

Andrew Gledhill, PJM, presented the estimated Covid-19 impacts on recent loads.

10. Manual 14C Update

Mark Sims, PJM, provided an informational update for anticipated changes to Manual 14C: Generation and Transmission Interconnection Facility Construction, to enhance the cost and status tracking language for baseline and supplemental projects.

11. State Agreement Approach

Mark Sims, PJM, provided an informational discussion on the PJM State Agreement Approach. Mark Sims will continue to provide additional details surrounding the PJM State Agreement Approach at upcoming Planning Committee meetings.

12. MEPETF Phase 3 – Package C1(Capacity Window)

Nick Dumitriu, PJM, presented proposed language updates for OATT Attachment DD, Section 15 to incorporate removal of obsolete language in package C1 revisions.

13. FERC Update

Pauline Foley, PJM, provided an update on the recent FERC order on its section 206 investigation and compliance directive regarding PJM's immediate-need reliability exemption.

14. Reliability Compliance Update

Mark Kuras, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.

15. Critical Infrastructure Stakeholder Update

Christina Stotesbury, PJM, discussed the work being done at the most recent Critical Infrastructure Stakeholder Oversight Special Planning Committee sessions.

[Issue Tracking: Critical Infrastructure Stakeholder Oversight](#)

16. Storage As Transmission Asset Update

Michele Greening, PJM discussed work being done at the most recent Storage As Transmission Asset Special Planning Committee sessions.

[Issue Tracking: Storage As a Transmission Asset](#)

17. Capacity Capability Senior Task Force Update

Andrew Levitt, PJM, discussed work being done at the Capacity Capability Senior Task Force under the Market and Reliability Committee regarding Effective Load Carrying Capability (ELCC).

Informational Posting

Model Build Activity Update

2020 Series MMWG

- Powerflow – The 2020 series MMWG Trial 1 cases were submitted to Powertech on Friday June 26, 2020; Powertech will provide Trial 1 cases by Friday July 17, 2020; the TOs will submit updates for the Trial 1 cases by Friday July 24, 2020; PJM will submit Trial 1 updates to Powertech by Friday July 31, 2020.
- Dynamics – PJM will request dynamic load models and dynamic device models from the TOs for SVCs, STATCOMs, synchronous condensers and FACTS devices on Monday July 13, 2020; to meet their MOD-032 obligation, the TOs will provide requested models by Friday September 25, 2020. PJM will submit dynamics data to Powertech by Friday September 4, 2020.

Future Meeting Dates

| | | | |
|------------------------------|------------------------|---|---|
| Friday, July 17, 2020 | 1:00 p.m. – 3:00 p.m. | Special PC: Critical Infrastructure | WebEx |
| Tuesday, August 04, 2020 | 9:00 a.m. – 12:00 p.m. | Planning Committee | WebEx |
| Thursday, August 06, 2020 | 1:00 p.m. – 4:00 p.m. | Special PC: Storage As a Transmission Asset | WebEx |
| Friday, August 14, 2020 | 1:00 p.m. – 3:00 p.m. | Special PC: Critical Infrastructure | WebEx |
| Monday, August 17, 2020 | 1:00 p.m. – 3:00 p.m. | Special PC: Pre Queue Education Session | WebEx |
| Monday, August 24, 2020 | 1:00 p.m. – 4:00 p.m. | Special PC: Storage As a Transmission Asset | WebEx |
| Tuesday, September 01, 2020 | 9:00 a.m. – 12:00 p.m. | Planning Committee | WebEx |
| Tuesday, September 22, 2020 | 9:00 a.m. – 12:00 p.m. | Special PC: Critical Infrastructure | WebEx |
| Tuesday, September 22, 2020 | 1:00 p.m. – 3:00 p.m. | Special PC: Post ISA Education Session | WebEx |
| Friday, September 25, 2020 | 9:00 a.m. – 12:00 p.m. | Special PC: Storage As a Transmission Asset | WebEx |
| Tuesday, October 06, 2020 | 9:00 a.m. – 12:00 p.m. | Planning Committee | PJM Conference & Training Center/ WebEx |
| Thursday, October 22, 2020 | 1:00 p.m. – 4:00 p.m. | Special PC: Storage As a Transmission Asset | PJM Conference & Training Center/ WebEx |
| Wednesday, November 04, 2020 | 9:00 a.m. – 12:00 p.m. | Planning Committee | PJM Conference & Training Center/ WebEx |
| Tuesday, December 01, 2020 | 9:00 a.m. – 12:00 p.m. | Planning Committee | PJM Conference & Training Center/ WebEx |

Author: Molly Mooney

Attendance List

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|--------------------------|---|----------------------|
| David Souder (Chair) | PJM Interconnection, LLC | Not Applicable |
| Molly Mooney (Secretary) | PJM Interconnection, LLC | Not Applicable |
| Muhsin Abdur-Rahman | ABB | Not Applicable |
| Ed Achaab | AEP Energy Partners, Inc. | Other Supplier |
| Tyler Berton | American Electric Power | Not Applicable |
| Art Ier | American Municipal Power, Inc. | Electric Distributor |
| Steven Lieberman | American Municipal Power, Inc. | Electric Distributor |
| Gary Fuerst | American Transmission Systems, Inc. | Transmission Owner |
| David Canter | Appalachian Power Company | Transmission Owner |
| Takis Laios | Appalachian Power Company | Transmission Owner |
| Eric Yeh | Baltimore Gas and Electric Company | Transmission Owner |
| Tom Jens | Black Oak Energy, LLC | Other Supplier |
| Diane Janicki | Boston Energy Trading and Marketing LLC | Generation Owner |
| Stephen Kelly | Brookfield Energy Marketing LP | Other Supplier |
| Khan Adnan | Burns McDonnell | Not Applicable |
| Bill Allen | Commonwealth Edison Company | Transmission Owner |
| Alan Engelmann | Commonwealth Edison Company | Transmission Owner |
| Paul Mills | Commonwealth Edison Company | Transmission Owner |
| Rehan Gilani | ConEdison Energy, Inc. | Other Supplier |
| Haibin Sun | Constellation Energy Services, Inc | Other Supplier |
| Guy Filomena | Customized Energy Solutions, Ltd. | Not Applicable |
| Lynn Horning | Customized Energy Solutions, Ltd. | Not Applicable |

Carl Johnson
 Jonathan Sasser
 Tim Bockhorn
 Raj Roychowdhury
 Michael Russ
 Dimitar Kozhuharov
 David Hastings
 Ruth Ann Price
 Mark Gill
 Michael Brennan
 Junbiao Han
 Kyle Hannah
 Tania Jones
 Bao Pham
 Yajun Zheng
 Ryen Lawson
 William Jett
 Steve Steinkuhl
 Bryan Garnett
 Julie Mason
 Gian Alian
 Joe Pilch
 Tonja Wicks
 Patrick Grau
 Iker Chocarro
 Darrin Adams
 Nathan Bradley
 Chuck Dugan
 Michael Norman
 John Brodbeck
 Gaurav Mehta
 Malcolm Ainspan
 Thomas Leeming
 Harsha Jasti
 Sharon Midgley
 Robert Taylor
 Amber Thomas
 Kevin Thundiyl
 Roozbeh Shegarfi
 Chad Singer
 Tom Bainbridge
 Lou D'Alessandris
 Laura DiNicola
 Larre Hozempa
 Jay Salem
 Jeff Stuchell
 Emma Nix
 Travis Stewart
 Tom Hyzinski
 Rory Sweeney
 Jeff Whitehead
 Christine Ericson
 Ethan Kimbrel
 Mike Gahimer
 Brandon Bowen
 Dave Johnston
 Ryan Sims
 Megan Wisersky
 Morris Schreim
 Kathleen Wehnes
 David Mabry
 Christin Domian
 John Dadourian
 Cynthia Holland
 George Kogut

Customized Energy Solutions, Ltd.
 Customized Energy Solutions, Ltd.
 Dayton Power & Light Company (The)
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 Dayton Power & Light Company (The)
 Delaware Public Service Commission
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 Division of the Public Advocate of the State of Delaware
 Dominion Energy Virginia
 Dominion Virginia Power
 Dominion Virginia Power
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 Dominion Virginia Power
 Duke Energy Business Services LLC
 Duke Energy Business Services LLC
 Duke Energy Ohio, Inc.
 Duke Energy Ohio, Inc.
 Duquesne Light Company
 Duquesne Light Company
 Duquesne Light Company
 Dynegy Marketing and Trade, LLC
 E.ON Climate & Renewables North America, Inc.
 East Kentucky Power Cooperative, Inc.
 East Kentucky Power Cooperative, Inc.
 East Kentucky Power Cooperative, Inc.
 East Kentucky Power Cooperative, Inc.
 EDP Renewables North America, LLC
 Enel Trading North America, LLC
 Energy Curtailment Specialists, Inc.
 Exelon
 Exelon Business Services Company, LLC
 Exelon Business Services Company, LLC
 Exelon Business Services Company, LLC
 Exelon Business Services Company, LLC
 Exelon Business Services Company, LLC
 Exelon Generation Co., LLC
 Fellon McCord
 FirstEnergy Solutions Corp.
 FirstEnergy Solutions Corp.
 FirstEnergy Solutions Corp.
 FirstEnergy Solutions Corp.
 FirstEnergy Solutions Corp.
 FirstEnergy Solutions Corp.
 Gabel and Associates
 Gabel and Associates
 GT Power Group
 GT Power Group
 GT Power Group
 Illinois Commerce Commission
 Illinois Commerce Commission
 IN Office of Utility Consumer Counselor
 Indiana Utility Regulatory Commission
 Indiana Utility Regulatory Commission
 Interstate Gas Supply, Inc.
 Madison Gas and Electric
 Maryland Public Service Commission
 Maryland Public Service Commission
 McNees Wallace & Nurick LLC
 Mitsubishi Electric Power Products Inc.
 Monitoring Analytics, LLC
 New Jersey Board of Public Utilities
 New York Power Authority

Not Applicable
 Not Applicable
 Transmission Owner
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 Transmission Owner
 Not Applicable
 Not Applicable
 End User Customer
 Not Applicable
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Gary Greiner
Cameron DeAngelis
Luis Garcia
Esam Khadr
Leonid Lyakhovich
Rich Marinelli
Adrian Newall
Alex Stern
Heather Svenson
Caroline Tkachuk
Ray Mason
Tom Hoatson
Lubaba Islam
Rich Heidorn
Michael Yoder
Bill Skumanich
Anthony Doering
Sean Chang
Jennifer Hohenshiit
Hamid Kazerooni
Kenneth Foladare
John Sillin
Edrissa Cham
Vince DeGiusto
Adam Weber
Ronnie Bailey
Chris Mertz
James Wilson
Mike Jacobs

PSEG Energy Resources and Trade LLC
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
ReliabilityFirst Corporation
Riverside Generating, LLC
Rockland Electric Company
RTO Insider
RTO Insider
RTR Energy Solutions LLC
Savion Energy
Shell Energy North America (US), LP
Talen Energy Marketing, LLC
Talen Energy Marketing, LLC
Tangibl
The Federal Energy Regulatory Commission
Tradewind Energy, Inc.
UGI Utilities, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia Electric & Power Company
Virginia Electric & Power Company
Wilson Energy Economics
Xtreme Power

Transmission Owner
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Other Supplier
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