

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

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 Iler	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)
Dayton Power & Light Company (The)
Dayton Power & Light Company (The)
Delaware Public Service Commission
Dhast Co
Division of the Public Advocate of the State of Delaware
Dominion Energy Virginia
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
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
Dynergy 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.
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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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End User Customer
Not Applicable
Transmission Owner
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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 Hohenshilt
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
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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
Transmission Owner
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Other Supplier
Generation Owner
Generation Owner
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Other Supplier
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