

**Planning Committee
Teleconference / WebEx
March 10, 2020
9:00 a.m. – 11:00 a.m. EPT**

Administration (9:00-9:10)

1. Mr. Dave Souder, PJM, called the meeting to order and Ms. Molly Mooney, PJM, reviewed the Antitrust, Code of Conduct, media participation, and WebEx guidelines.
2. Ms. Molly Mooney reviewed the March 10, 2020 Planning Committee Agenda. An announcement was made regarding the order of agenda items. Agenda Item 8 will be moved to the first informational update.
3. Ms. Molly Mooney reviewed the draft minutes posted for the February 4th, 2020 meeting and the Planning Committee approved the minutes.

Endorsements (9:10-10:00)

4. **Manual 22 Updates**
Mr. Jerry Bell, PJM, presented updates to Manual 22 Generator Resource Performance Indices. **The Committee endorsed the Manual 22 update with an acclamation vote of 1 objection and 1 abstention.**
5. **Manual 14A/14E/14G Updates**
Mr. Jason Connell, PJM, presented updates to Manual 14A, Manual 14E, and Manual 14G in relation to the recent FERC 845 ruling. **The Committee endorsed the Manual 14A/14E/14G updates with an acclamation vote of 0 objections and 2 abstentions.**
6. **Market Efficiency Process Enhancement Task Force Update**
Mr. Jack Thomas, PJM, reviewed the work completed at the Market Efficiency Process Enhancement Task Force (MEPETF). Sharon Segner, LSPower, stated that LSPower was developing a legal memo regarding cost allocation for a new category of regional projects. Following further discussion, Mr. Alex Stern, PSE&G, moved, and Ms. Adrien Ford, ODEC, seconded a motion to defer the MEPETF vote for two months to allow LS Power to present a legal memo at the April Planning Committee. **The Committee approved the motion to defer the MEPETF vote and allow LS Power to present a legal memo at the April Planning Committee meeting with a vote of 131 Yes; 14 No; 6 Abstain = PASS (90%).**

First Reads

Informational Updates (10:00-11:00)

8. **Update on Effective Load Carrying Capability for Limited and Variable Resources**
Mr. Andrew Levitt, PJM, provided an update on a problem statement/issue charge that will be presented to the Markets and Reliability Committee for Effective Load Carrying Capability.
7. **FERC Order 845 Update**
Ms. Susan McGill, PJM, reviewed the changes proposed by PJM in the February 21, 2020 compliance filing.
9. **Storage as Transmission**
Mr. Jeff Goldberg, PJM, provided an update on PJM's efforts regarding storage as transmission and plans to introduce a problem statement/issue charge at the April Planning Committee. Mr. Aaron Berner addressed questions regarding an AEP Supplemental project that includes a battery solution to address operational performance.
10. **Critical Infrastructure Stakeholder Oversight Update**
Ms. Christina Stotesbury, PJM, provided an update on the work being done at the Critical Infrastructure Stakeholder Oversight Special Planning Committee sessions.
11. **Reliability Compliance Update**
Mr. Preston Walker, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.
12. **Planning Resilience Update**
 - a. Mr. Shaun Murphy, PJM, discussed PJM's use of Phasor Measurement Units (PMUs) in Operations and Planning.
 - b. Ms. Grace Niu, PJM, presented an update on PJM's efforts surrounding the incorporation of resilience testing in the 2025 RTEP.

Informational Posting

Model Build Activity Update

- The 2020 series RTEP Trial 3 powerflow cases and associated files are being reviewed by PJM staff and the Transmission Owners. PJM is incorporating the feedback received from the Transmission Owners for the 2020 series RTEP short circuit case, the 5 year case will be sent to the Transmission Owners for review on Friday March 6, 2020.
- The MMWG will hold its first meeting March 11-12. For the 2020 series powerflow cases, PJM will submit a request for Transmission Owners to update existing projects, upload new projects, and update base case in Model-on-Demand on March 27, 2020. The Transmission Owners will have until April 3, 2020 to make the necessary updates in Model-on-Demand.

MOD-032 Update

- The Gen Model window will open May 1 and remain open through June 15. Generator Owners have the option of using data submitted in previous years to prepopulate the 2020 forms. Gen Model link:

<https://pjm.com/planning/services-requests/planning-modeling-submission-mod-032.aspx>; for any questions or comments email MOD-032@pjm.com

2019 RTEP Report

PJM is notifying stakeholders that the 2019 RTEP Report has been published on PJM.com and can be viewed here: <http://www.pjm.com/library/reports-notices/rtep-documents.aspx>

System Planning 201 Course

The next System Planning 201 course will be held on Monday, March 16th. Please visit the link below to register: <https://www.pjm.com/Calendar-Events/PJM-Calendar/Training-Events/2020/March/16/ip-sysplan-201.aspx>

Future Meeting Dates

Friday, April 3, 2020	1:00 p.m. – 4:00 p.m.	Special PC: Critical Infrastructure	PJM Conference & Training Center/ WebEx
Tuesday, April 14, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, April 28, 2020	1:00 p.m. – 4:00 p.m.	Special PC: Critical Infrastructure	PJM Conference & Training Center/ WebEx
Tuesday, May 12, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, June 02, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, July 07, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, August 04, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, September 01, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, October 06, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	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

Attendance List

David Souder (Chair)	PJM Interconnection, LLC	Not Applicable
Molly Mooney (Secretary)	PJM Interconnection, LLC	Not Applicable
Muhsin Abdur-Rahman	ABB	Not Applicable
Robert Cundiff	AEP Energy Partners, Inc.	Other Supplier
Tyler Berton	American Electric Power	Not Applicable
Ryan Dolan	American Municipal Power	Electric Distributor
Gerit Hull	American Municipal Power, Inc.	Electric Distributor
Art Iler	American Municipal Power, Inc.	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Eric Swanger	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Jonathan Loesch	ATSI	Transmission Owner
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Zelalem Tekle	Baltimore Gas and Electric	Transmission Owner
Hugh Scott	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
Greg Poulos	CAPS	Not Applicable
Bill Allen	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Ronald Regner	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	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable

Aaron Berner	PJM Interconnection, LLC	Not Applicable
Yang Chen	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Danielle Croop	PJM Interconnection, LLC	Not Applicable
Nicolae Dumitriu	PJM Interconnection, LLC	Not Applicable
Amanda Egan	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Janell Fabiano	PJM Interconnection, LLC	Not Applicable
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Jeffrey Goldberg	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Liem Hoang	PJM Interconnection, LLC	Not Applicable
Tim Horger	PJM Interconnection, LLC	Not Applicable
Richard Konowal	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Erich Mauroschatd	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Shaun Murphy	PJM Interconnection, LLC	Not Applicable
Grace Niu	PJM Interconnection, LLC	Not Applicable
Melissa Pilon	PJM Interconnection, LLC	Not Applicable
Wenzheng Qiu	PJM Interconnection, LLC	Not Applicable
Lisa Salmon	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Jordan Shenk	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Mark Stanis	PJM Interconnection, LLC	Not Applicable
Christina Stotesbury	PJM Interconnection, LLC	Not Applicable
Henry (Jack) Thomas	PJM Interconnection, LLC	Not Applicable
Jen Tribulski	PJM Interconnection, LLC	Not Applicable
Preston Walker	PJM Interconnection, LLC	Not Applicable
Scott Gass	PowerGEM	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Reynaldo Noel Jeune	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Meagan Kuchan	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Orlando Marrero-Torres	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Christopher Szmodis	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Transmission Owner
John Dempsey	Public Service Electric & Gas Company	Transmission Owner
Daniel Hutt	Public Service Electric & Gas Company	Transmission Owner
Esam Khadr	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Alex Stern	Public Service Electric & Gas Company	Transmission Owner
Heather Svenson	Public Service Electric & Gas Company	Transmission Owner
Caroline Tkachuk	Public Service Electric & Gas Company	Transmission Owner
Mahila Christopher	Public Utilities Commission of Ohio (The)	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Lubaba Islam	Rockland Electric Company	Transmission Owner
Rollie Mangonon	Rockland Electric Company	Transmission Owner
Rich Heidorn	RTO Insider	Not Applicable
Michael Yoder	RTO Insider	Not Applicable
Bill Skumanich	RTR Energy Solutions LLC	Not Applicable
Sean Chang	Shell Energy North America (US), LP	Other Supplier
Jonathan Myrick	Southern Company Services	Other Supplier
John Rohrbach	Southern Maryland Electric Cooperative	Electric Distributor
Lisa Mattson	Sun Tribe Solar, LLC	Other Supplier
Jennifer Hohenshilt	Talen Energy Marketing, LLC	Generation Owner
Hamid Kazerooni	Talen Energy Marketing, LLC	Generation Owner
Kenneth Foladare	Tangibl	Not Applicable



Draft Minutes

Gimod Olapurayil
Eric Sorber
Adam Weber
Neil Joshipura
Chad Dixon
Becky Robinson

Tradewind Energy, Inc.
UGI Utilities, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia State Corporation Commission
Viridity Energy, Inc.
Vistra Energy

Not Applicable
Transmission Owner
Other Supplier
Not Applicable
Other Supplier
Not Applicable

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