

Planning Committee
PJM Conference and Training Center
October 17, 2019
9:00 a.m. – 12:35 p.m. EPT

Administration (9:00-9:15)

1. Mr. Ken Seiler, 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 October 17, 2019 Planning Committee Agenda. There was one update to the MEPETF item in the informational posting section, the next MEPETF will occur on October 29th (not the 26th). There were no changes requested and the Planning Committee approved the posted Agenda.
3. Ms. Molly Mooney reviewed the draft minutes posted for the September 12, 2019 meeting and the Planning Committee approved the minutes.
4. Mr. Ken Seiler reviewed the PC Work Plan for the remainder of 2019.
5. **Communication & Subscription Improvements**
Ms. Monica Burkett, PJM, provided an update on PJM's new communication tool. Members were asked to whitelist the following IP address: 13.111.63.217 and allow communications from "@lists.pjm.com".

Endorsements (9:15-9:50)

6. **2019 Installed Reserve Margin Study Results**
Mr. Patricio Rocha Garrido, PJM, reviewed the 2019 Reserve Requirement Study results including the Installed Reserve Margin, Forecast Pool Requirement, and Winter Weekly Reserve Target (IRM, FPR, WWRT). **The Committee endorsed the IRM and FPR results for the 2020/21, 2021/22, 2022/23 and 2023/24 delivery years along with the WWRT for winter 2019/20 with an acclimation vote of 0 objections and 0 abstentions.**
7. **Critical Infrastructure Stakeholder Problem Statement and Issue Charge**
Mr. Erik Heinle, Office of the Peoples Counsel for the District of Columbia, presented a Problem Statement and Issue Charge related to Critical Infrastructure Stakeholder Oversight. The Committee discussed that the Transmission Owners comment period for the proposed attachment M-4 closed at the end of September and the date of a webinar to discuss comments received will be communicated by the Transmission Owners prior to the November 14th Planning Committee meeting. A motion to defer the vote was raised by Pulin Shah, PECO Energy Company, and seconded by Alex Stern, Public Service Electric & Gas Company. **The Committee voted by acclimation to defer the endorsement of the Issue Charge until the November 14th Planning Committee meeting with a vote of 2 objections and 3 abstentions.**

First Reads (9:50-11:30)

8. Relay Subcommittee Charter Revisions

Mr. Mark Kuras, PJM, presented modifications to the Relay Subcommittee Charter related to the addition of data gathering requirement for compliance with TPL-001-4 category P5. The Committee will be asked to endorse the proposed revisions at its next meeting.

9. Competitive Transmission Proposal Fee Restructuring Update

Mr. Mark Sims, PJM, presented a second first read on the competitive transmission proposal fee restructuring efforts and updated Operating Agreement language in response to and incorporating feedback received from stakeholders. The Committee will be requested to endorse the Operating Agreement language at its next meeting.

10. Manual 14F Revisions

Mr. Mark Sims, presented further revisions to PJM Manual 14F Competitive Planning Process related to the cost commitment process. The Committee will be requested to endorse these revisions at its next meeting.

[Issue Tracking: Cost Containment](#)

Mr. Joseph Bowring, Monitoring Analytics, commented on the IMM posted redlines to PJM's version of Manual 14F with suggested modifications.

11. Manual 19 Revisions

Mr. John Reynolds, PJM, presented revisions to PJM Manual 19 related to a periodic review and forecast documentation. The Committee will be requested to endorse these revisions at its next meeting.

Informational Updates (11:30-12:35)

12. Update on FERC 715 Filing

Ms. Pauline Foley, PJM, gave an update on the recent FERC 715 filing.

13. Manual 14G Revisions Update

Mr. Jason Connell, PJM, presented proposed changes to Manual 14G, Section 2.2 regarding projects applying for interconnection under Attachment Y. These changes were approved by the Distributed Energy Resources Subcommittee.

14. DER Ride Through Task Force Update

Ms. Susan McGill, PJM, presented an update of activities and white paper drafted at the DER Ride Through Task Force.

15. Dayton Power and Light Transmission Planning Criteria Update

Mr. Michael Russ, Dayton Power and Light, provided an overview of the updated transmission planning criteria.

16. DEOK Transmission Planning Criteria Update

Mr. Jeff Gindling, Duke Energy, provided an overview of the updated transmission planning criteria.

17. PPL Update to Bulk Power Line Ratings

Mr. Jeff Daniels, PPL, provided an update on bulk power line ratings.

18. ELCC Education

Mr. Patricio Rocha Garrido, PJM, reviewed the ELCC-based method to determine the UCAP value of wind and solar resources.

19. Project Status & Cost Allocation Page Update

Ms. Tawnya Luna, PJM, provided an update on the beta launch of the project status and cost allocation page on PJM.com.

Informational Posting

PJM/MISO JOA Update

On September 19, FERC issued an Order in response to a Complaint filed by EDF Renewable Energy against PJM, MISO and SPP and the Commission's technical conference on Affected System Studies in the interconnection process. In that Order the Commission directed PJM, MISO and SPP to modify their respective JOAs, as well as their individual tariffs, to provide additional transparency related to their Affected System Studies in the Interconnection Process. Specifically, PJM and MISO are required to include information related to screening criteria to identify potential Affected System impacts, modeling standards for energy and capacity rights (referred to as ERIS and NRIS in the Order), and cost allocation rules. FERC requires a Compliance Filing within 60 days of the date of the Order. PJM expects to join MISO and SPP in a request for extension of time. (Reference Dockets EL18-26-000 and AD18-8-000).

Model Build Activity Update

The final 2019 series MMWG powerflow cases will be approved and posted by October 11, 2019. The Trial 1 2020 series RTEP powerflow cases will be posted for the TOs by October 4, 2019; the TOs will have until November 8, 2019 to provide their case updates via Model on Demand. All TOs have submitted their updates for the Trial 1 2020 RTEP short circuit case, PJM will provide the case to the TOs for review by January 3, 2020.

Manual 03 Updates

Mr. Lagy Mathew, PJM, will be available to answer questions on updates to Manual 03 – Transmission Operations. Materials are posted as Information Only.

Market Efficiency Process Enhancement Task Force Update

The MEPETF is concluding solution package formulation and draft poll construction. Non-binding polls will commence on October 21. The next MEPETF will occur on October 29 and the final MEPETF meeting will

occur on December 3. An update will be provided to the PC stakeholders on November 14 and MEPETF recommendations will be turned over shortly thereafter. It is necessary to conclude PC 1st and 2nd reads and endorsements to permit timely filings (if any) and finalize expectations for the execution of the 2020 Market Efficiency Window. Assuming no additional new work by the PC, the MEPETF will be sunset.

Future Meeting Dates

October 24, 2019	9:00 a.m. – 12:00 p.m.	Special PC: Merchant Transmission and Off Shore Wind	PJM Conference & Training Center/ WebEx
November 14, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
November 15, 2019	9:00 a.m. – 12:00 p.m.	Special PC: Merchant Transmission and Off Shore Wind	PJM Conference & Training Center/ WebEx
December 12, 2019	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
December 13, 2019	9:00 a.m. – 12:00 p.m.	Special PC: Merchant Transmission and Off Shore Wind	PJM Conference & Training Center/ WebEx

Attendance List

Ken Seiler (Chair)	PJM Interconnection, LLC	Not Applicable
Molly Mooney (Secretary)	PJM Interconnection, LLC	Not Applicable
Muhsin Abdur-Rahman	ABB	Not Applicable
Eric Laverty	Aces	Electric Distributor
Nick Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Ryan Dolan	American Municipal Power	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	Appalachian Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Tabatha Poelstra	Appalachian Way Energy Partners	Not Applicable
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
Ron Pezon	Borough of Chambersburg	Electric Distributor
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Michael Russ	Dayton Power & Light Company (The)	Transmission Owner
Ruth Ann Price	Division of the Public Advocate of the State of Delaware	End User Customer
Ryen Lawson	Dominion Virginia Power	Not Applicable
Jeff Gindling	Duke Energy Business Services LLC	Generation Owner
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Bryan Garnett	Duke Energy Ohio, Inc.	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Joe Pilch	Duquesne Light Company	Transmission Owner
Iker Chocarro	E.ON Climate & Renewables North America, Inc.	Generation Owner
Nathan Bradley	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Thomas Leeming	Exelon	Transmission Owner
Harsha Jasti	Exelon Business Services Company, LLC	Transmission Owner
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Pablo Ovando	Exelon Business Services Company, LLC	Transmission Owner
Melanie Sanders	Exelon Business Services Company, LLC	Transmission Owner
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Kevin Thundiylil	Exelon Business Services Company, LLC	Transmission Owner
Tom Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner
Lawrence Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Tom Hyzinski	GT Power Group	Not Applicable

Jeff Whitehead	GT Power Group	Not Applicable
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Kent Chandler	Kentucky Government	Not Applicable
Sharon Segner	LS Power Transmission, LLC	Transmission Owner
Robert O'Connell	Main Line Electricity Market Consultants	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
John Hyatt	Monitoring Analytics	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
David Brown	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Yang Wang	NiSource Inc	Not Applicable
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Ruth Holdbrook	Northern Virginia Electric Cooperative	Electric Distributor
Erik Heinle	Office of the Peoples Counsel for the District of Columbia	End User Customer
Yohannes Mariam	Office of the Peoples Counsel for the District of Columbia	End User Customer
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Pulin Shah	PECO Energy Company	Transmission Owner
David Anders	PJM Interconnection, LLC	Not Applicable
Fran Barrett	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Matthew Bernstein	PJM Interconnection, LLC	Not Applicable
Stu Bresler	PJM Interconnection, LLC	Not Applicable
Tim Burdis	PJM Interconnection, LLC	Not Applicable
Monica Burkett	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Ilyana Dropkin	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Janell Fabiano	PJM Interconnection, LLC	Not Applicable
Tom Falin	PJM Interconnection, LLC	Not Applicable
Lawrence Farmer	PJM Interconnection, LLC	Not Applicable
Anisha Fernandes	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Denise Foster	PJM Interconnection, LLC	Not Applicable
Darrell Frogg	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Jim Gluck	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Asim Haque	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Eric Hsia	PJM Interconnection, LLC	Not Applicable
Mark Kuras	PJM Interconnection, LLC	Not Applicable
Matt LaRocque	PJM Interconnection, LLC	Not Applicable
Tawnya Luna	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Megan McLaverty	PJM Interconnection, LLC	Not Applicable
Nancy Muhl	PJM Interconnection, LLC	Not Applicable
Wenzheng Qiu	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Patricio Rocha-Garrido	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Michelle Souder	PJM Interconnection, LLC	Not Applicable
David Souder	PJM Interconnection, LLC	Not Applicable
Mark Stanis	PJM Interconnection, LLC	Not Applicable
Stanley Williams	PJM Interconnection, LLC	Not Applicable
Xu Xu	PJM Interconnection, LLC	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner



Draft Meeting Minutes

Jeff Daniels
Steven Nadel
Amber Thomas
Kriti Dawadi
Gary Greiner
Mohamed Zahidi
Ricardo Galarza
Leonid Lyakhovich
Alex Stern
Heather Svenson
Ming Zhou
Tom Hoatson
Jame Huang
Rollie Manganon
Sean Chang
Jennifer Hohenshilt
John Sillin
Adam Weber
Neil Joshipura
Craig Crider
James Wilson

PPL Electric Utilities Corp. dba PPL Utilities
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PSEG Energy Resources and Trade LLC
PSEG Energy Resources and Trade LLC
PSEG Energy Resources and Trade LLC
PSM Consulting
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Riverside Generating, LLC
Rockland Electric Company
Rockland Electric Company
Shell Energy North America (US), LP
Talen Energy Marketing, LLC
The Federal Energy Regulatory Commission
Union Electric Company d/b/a Ameren Missouri
Virginia State Corporation Commission
Virginia Electric & Power Company
Wilson Energy Economics

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

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