

Planning Committee
PJM Conference and Training Center
August 09, 2018
9:00 a.m. – 12:00 p.m.

Administration (9:00-9:05)

1. Mr. Ken Seiler, PJM, called the meeting to order and Ms. Anisha Fernandes, PJM, reviewed the Anti-trust, Code of Conduct, media participation, and WebEx guidelines. Ms. Amanda Egan, PJM, announced of the availability of the Voting Application at this and future Planning Committee meetings.
2. Ms. Anisha Fernandes reviewed the Agenda for the August 9, 2018 Planning Committee meeting. It was noted that Item 6B was requested to be removed from the Agenda by AEP, and would not be presented at the meeting. The Planning Committee approved the Agenda.
3. Ms. Anisha Fernandes reviewed the draft minutes posted for the July 12, 2018 meeting and the Planning Committee approved the minutes.

Endorsements (9:05-10:00)

4. **Manual 14B Updates**
Mr. Jonathan Kern, PJM, presented updates to Manual 14B Regional Transmission Planning Process. **By vote of acclamation the Planning Committee endorsed the updates with 0 objections and 3 abstentions.** (*The facilitation team was notified later that a stakeholder intended to register 2 abstentions, and this has been reflected in the total abstentions noted above*)
5. **Manual 14C Updates**
Mr. Chibuzor Ofoegbu, PJM, presented general changes being made to Manual 14C Generation & Transmission Interconnection Facility Construction. **By vote of acclamation the Planning Committee endorsed the revisions with 0 objections and 0 abstentions.**
6. **Market Efficiency Process Enhancement Proposal**
A) Mr. Nicolae Dumitriu, PJM, reviewed the Market Efficiency phase 1 proposal “G” developed at the Market Efficiency Process Enhancement Task Force (MEPETF), and the associated OATT revisions on behalf of PJM.
B) A representative from AEP will review the Market Efficiency phase 1 proposal “H” developed at the Market Efficiency Process Enhancement Task Force (MEPETF) on behalf of AEP.
The Planning Committee voted on the Market Efficiency Process Enhancement (MEPE) Proposal G presented. **The Committee endorsed the MEPE Proposal G (PJM) with 114 Yes; 15 No; 38 Abstain = PASS (88%)**
In a non-binding poll, the Planning Committee preferred the MEPE Proposal G over status quo with 91 Yes; 22 No; 53 Abstain = PASS (81%)
The MEPE Proposal G will proceed as the main motion to the August MRC.
7. **Manual 14F Updates**
Mr. Nicolae Dumitriu and Mr. Jason Shoemaker, PJM, presented proposed changes to Manual 14F,

Competitive Planning Process. After discussions around the changes presented related to Cost Containment, it was decided to defer endorsement of the Cost Containment related Manual 14F updates to next month, and proceed to seek endorsement on the Market Efficiency related Manual 14F updates today. **By vote of acclamation the Planning Committee endorsed the Market Efficiency related Manual 14F updates with 0 objections and 1 abstention.**

First Reads (10:00-10:45)

8. DER Ride Through Problem Statement & Issue Charge

Mr. Andrew Levitt, PJM, presented a first read on inverter-based DER Ride Through and the revised IEEE 1547-2018 standard. Revisions were requested to i) clarify under what circumstances FERC has jurisdiction over DER interconnection and ii) clarify that the policy scope of the effort includes all type of DER, recognizing that the technical meetings will focus on inverter-based DER. Registration details for the October 1-2 technical workshop on inverter-based DER ride through, which will be held at PJM, will be circulated soon. The committee will be requested to endorse this problem statement and issue charge at the next meeting.

9. Manual 21 Proposed Changes

Mr. Jerry Bell, PJM, presented the proposed changes to Manual 21 Rules & Procedures for Determination of Generating Capability. The committee will be requested to endorse these changes at the next meeting.

Informational Updates (10:45-12:00)

10. Cost Commitment Status and Next Steps

Mr. Mark Sims, PJM, discussed the status and next steps for the Consideration of Cost Commitment for Evaluation of Competitive Transmission Proposals.

11. PJM-MISO Joint Operating Agreement (JOA) Planning Provisions

Mr. Chuck Liebold, PJM, provided a brief summary of the proposed changes to the PJM-MISO JOA planning provisions as discussed at the recent PJM-MISO Inter-Regional Planning Stakeholder Advisory Committee (IPSAC) meeting.

12. Revised Supplemental Planning Process

Mr. Chip Richardson, PPL, provided a brief update on the Supplemental Planning Process and announced that a TO Hosted Meeting to discuss the New Supplemental Planning Process has been scheduled for Tuesday 08/28/18 9am-10am EST. Meeting notification will be sent to the Planning Committee ListServ.

Recorded Updates

13. Model Build Activity Update

Link to recording:

https://videos.pjm.com/media/System+Planning+Modeling+Update+for+Aug+PC/1_7ifqfibu/57735481

Mr. Jonathan Thompson, PJM, provides an update regarding current model build activities, including the 2018 series MMWG/MOD-032 cases.

14. Reliability Compliance Update

Link to recording:

https://videos.pjm.com/media/Reliability+Compliance+Update+for+Aug+PC+8.1.18/1_t93ywnvl/57735481

Mr. Preston Walker, PJM, provides an update on the activities, issues and items of interest at NERC, SERC, and RFC.

Information Only

Membership Management Community: Contact Management update

PJM's new [Contact Management](#) feature in the Membership Management Community is scheduled to be released in late August. Access to the new feature will be provided to Contact Managers for each member. As a reminder, Contact Managers can use the new feature to review and provide contacts for certain member level roles that have been identified by PJM. Additional information, including instructions for accessing and using the tool, will be presented at the August Tech Change Forum and provided to Contact Managers via email. An update will also be provided at September committee meetings. For more information on this community or the Contact Management feature, please contact membershipforms@pjm.com.

Future Meeting Dates

August 20, 2018	1:00 p.m.	Special PC: Compliance Requirements for Order 845	PJM Conference & Training Center/ WebEx
September 13, 2018	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
October 11, 2018	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
November 8, 2018	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
December 13, 2018	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx

Attendance List

Ken Seiler (Chair)	PJM Interconnection, LLC	Not Applicable
Anisha Fernandes (Secretary)	PJM Interconnection, LLC	Not Applicable
Edward Achaab	AEP Energy Partners, Inc.	Other Supplier
Nicolas Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Jamie Lejcar	Allegheny Electric Cooperative, Inc.	Electric Distributor
Ryan Dolan	American Municipal Power	Electric Distributor
Lisa McAlister	American Municipal Power, Inc.	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Brock Ondayko	Appalachian Power Company	Transmission Owner
Evan Wilcox	Appalachian Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Craig Lockwood	Appalachian Power Company	Transmission Owner
Markian Melnyk	Atlantic Grid Operations A, LLC	Other Supplier
Hugh Scott	Baltimore Gas and Electric Company	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Greg Poulos	CAPS	Not Applicable
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
John Garavaglia	Commonwealth Edison Company	Transmission Owner
Kevin Chamberlain	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Ronald Regner	Commonwealth Edison Company	Transmission Owner
William Allen	Commonwealth Edison Company	Transmission Owner

Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Michael Russ	Dayton Power & Light Company (The)	Transmission Owner
Tim Bockhorn	Dayton Power & Light Company (The)	Transmission Owner
Joseph DeLosa	DE Public Service Commission	Not Applicable
Ruth Ann Price	Division of the Public Advocate of the State of Delaware	End User Customer
David Witt	Dominion Energy	Transmission Owner
James Davis	Dominion Energy Marketing, Inc.	Generation Owner
Kyle Hannah	Dominion Virginia Power	Transmission Owner
Mohammed Alfayyumi	Dominion Virginia Power	Not Applicable
George Owens	Downes Associates, Inc.	Other Supplier
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Breanne Melius	Duquesne Light Company	Transmission Owner
Elizabeth Cook	Duquesne Light Company	Transmission Owner
Patrick Grau	Dynegy Marketing and Trade, LLC	Generation Owner
Iker Chocarro Aguirrebengoa	E.ON Climate & Renewables North America, Inc.	Generation Owner
Amanda Stacy	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Not Applicable
Gina Jardot	Essential Power, LLC	Generation Owner
Jason Barker	Exelon Business Services Company, LLC	Transmission Owner
Melanie Sanders	Exelon Business Services Company, LLC	Transmission Owner
Pablo Ovando	Exelon Business Services Company, LLC	Transmission Owner
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Christopher Nekolny	Exelon Generation Co., LLC	Generation Owner
Roozbeh Shegarfi	Exelon Generation Co., LLC	Generation Owner
Chad Singer	Fellon McCord	Not Applicable
Aasawari Pawar	First Solar	Not Applicable
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner
Craig Fraley	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Jon Schneider	FirstEnergy Solutions Corp.	Transmission Owner
Lawrence Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Sally Thomas	FirstEnergy Solutions Corp.	Transmission Owner
Thomas Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Michael Borgatti	Gabel and Associates	Not Applicable
Laurie Oppel	Grid Advisers Inc	Not Applicable
Robert Gramlich	Grid Strategies LLC	Not Applicable
Rachel Hulett	Gridliance, GP, LLC	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Jeffrey Whitehead	GT Power Group	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
Brenda Prokop	ITC Mid-Atlantic Development LLC	Other Supplier
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Ben Abing	ITC Transmission	Not Applicable
Joshua York	LS Power Transmission, LLC	Transmission Owner
Sharon Segner	LS Power Transmission, LLC	Transmission Owner
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
David Brown	New Jersey Board of Public Utilities	Not Applicable
Zainab Nawaz	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Frederick 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
Jenjira Knernschild	Old Dominion Electric Cooperative	Electric Distributor



Draft Meeting Minutes

William Pezalla	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carnean	OPSI	Not Applicable
Ron Slagel	Other	Not Applicable
Douglas Dale	PECO Energy Company	Transmission Owner
Mike Donnelly	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Amber Young	PEPCO Holdings, Inc.	Not Applicable
Patricia Kurowski	PEPCO Holdings, Inc.	Transmission Owner
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Amanda Egan	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Anupama Janapareddy	PJM Interconnection, LLC	Not Applicable
Bill Khashfe	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
Brindavani Malladi	PJM Interconnection, LLC	Not Applicable
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Chibuzor Ofoegbu	PJM Interconnection, LLC	Not Applicable
Chuck Liebold	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Eric Hsia	PJM Interconnection, LLC	Not Applicable
Fran Barrett	PJM Interconnection, LLC	Not Applicable
Ilyana Dropkin	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Jeffrey Goldberg	PJM Interconnection, LLC	Not Applicable
Jerry Bell	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Larry Farmer	PJM Interconnection, LLC	Not Applicable
Laura Walter	PJM Interconnection, LLC	Not Applicable
Lisa Krizenoskas	PJM Interconnection, LLC	Not Applicable
Madalyn Beban	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Megan McLaverty	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Michelle Harhai	PJM Interconnection, LLC	Not Applicable
Michelle Souder	PJM Interconnection, LLC	Not Applicable
Nancy Muhl	PJM Interconnection, LLC	Not Applicable
Nicolae Dumitriu	PJM Interconnection, LLC	Not Applicable
Niloufar Mirhosseini	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
pavan saija	PJM Interconnection, LLC	Not Applicable
Preston Walker	PJM Interconnection, LLC	Not Applicable
Rebecca Carroll	PJM Interconnection, LLC	Not Applicable
Scott Baker	PJM Interconnection, LLC	Not Applicable
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Stephen Berger	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Susan Snyder	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Tao Yang	PJM Interconnection, LLC	Not Applicable
Timothy Burdis	PJM Interconnection, LLC	Not Applicable
Tom Falin	PJM Interconnection, LLC	Not Applicable
Wenzheng Qiu	PJM Interconnection, LLC	Not Applicable
William Patzin	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Chip Richardson	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Richard Wemsing	PSEG Energy Resources and Trade LLC	Transmission Owner
William Lavista	PSEG Energy Resources and Trade LLC	Transmission Owner
Alexander Stern	Public Service Electric & Gas Company	Transmission Owner
Daniel Hutt	Public Service Electric & Gas Company	Transmission Owner



Draft Meeting Minutes

Esam Khadr
Josh Rawley
Leonid Lyakhovich
Qamar Arsalan
Raj Pudhota
Tom Hoatson
Brian O'Boyle
Roleto Mangonon
Rory Sweeney
Stephanie Tsao
Andy Peebles
Kenneth Foladare
Weili Yi
John Sillin
Syed Ahmad
Edrissa Cham
Adam Weber
Craig Crider
Steve Chafin

Public Service Electric & Gas Company
Quanta Technology
Riverside Generating, LLC
Rockland Electric Company
Rockland Electric Company
RTO Insider
S&P Global Market Intelligence
Saracen Energy East LP
Tangibl
The Energy Authority, Inc
The Federal Energy Regulatory Commission
The Federal Energy Regulatory Commission
Tradewind Energy, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia Electric & Power Company
Virginia Electric & Power Company

Transmission Owner
Not Applicable
Transmission Owner
Transmission Owner
Not Applicable
Other Supplier
Transmission Owner
Transmission Owner
Not Applicable
Not Applicable
Other Supplier
Not Applicable
Not Applicable
Not Applicable
Not Applicable
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Not Applicable
Other Supplier
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Author: Anisha Fernandes