

Planning Committee
PJM Conference and Training Center
April 5, 2018
9:00 a.m. – 12:15 p.m. EPT

Administration (9:00-9:15)

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.
2. Ms. Anisha Fernandes reviewed the Agenda for the April 5, 2018 Planning Committee meeting and the Planning Committee approved the Agenda. Mr. Ken Seiler provided an update on the Manual 21 proposed changes that is being discussed at other Committees and will be brought back to the Planning Committee later this year.
3. Mr. Ken Seiler presented the Planning Committee Work Plan and addressed questions around the timing of Planning Resilience and the TEAC/SRRTEP topics.
4. Ms. Anisha Fernandes reviewed the draft minutes posted for the March 8, 2018 meeting and the Planning Committee approved the minutes.

Endorsements (9:15-9:45)

5. **Manual 14A Revisions**
Ms. Brinda Malladi, PJM, presented revisions to Manual 14A New Services Request Process to clarify the language to match existing procedures. **By vote of acclamation the Planning Committee endorsed the revisions with 0 objections and 0 abstentions.**
6. **Market Efficiency Process Enhancement Draft Charter**
Mr. Brian Chmielewski, PJM, presented the Draft Charter for the Market Efficiency Process Enhancement Task Force. **By vote of acclamation the Planning Committee endorsed the Charter with 0 objections and 0 abstentions.**

First Reads (9:45-10:45)

7. **Manual 14A Updates**
Mr. Peter Lamaina, PJM, presented Manual 14A New Services Request Process updates to Attachment F and G, to align with the current data submission process in Queue Point. The committee will be requested to endorse these revisions at the next meeting.
8. **Periodic Review of Manual 07**
Mr. Glenn Bray, PPL, presented the revisions proposed by the Relay Subcommittee's cover to cover periodic review of Manual 07. The committee will be requested to endorse these revisions at the next meeting.
9. **PJM Relay Testing Subcommittee Documents**
Mr. Doug Lambert, Dominion Energy, presented revisions made to the existing Relay Testing and

Maintenance Practice document, and introduced a newly developed End to End Testing document developed by the Relay Testing Subcommittee. Clarification was provided that these are not manuals, but guideline documents developed by the Relay Testing Subcommittee. The committee will be requested to endorse both documents at the next meeting.

10. Draft TO/TOP Matrix V12

Mr. Srinivas Kappagantula, PJM, presented the proposed changes to the TO/TOP Matrix. The Committee will be requested to provide a recommendation to the TOA-AC to approve the Draft TO/TOP Matrix V12 at the next meeting.

Informational Updates (10:45-12:15)

11. Manual 14F and Operating Agreement Changes for Cost Containment

Ms. Janell Fabiano, PJM, provided an update on the Special Planning Committee sessions regarding consideration of cost containment in the competitive planning process. She announced an upcoming non-binding poll intended to help inform the group on levels of support for the multiple options they have brainstormed; and allow informed development of new proposals and revisions to current proposals.

PJM and stakeholders engaged in discussion regarding the protocol for coordination between the PC and MRC. This will be discussed further at the April 19 Markets and Reliability Committee meeting.

12. Multiple Interconnection Requests Behind Same Point of Interconnection (POI)

Mr. David Egan, PJM, explained how the manual changes for the topic of Multiple Interconnection Requests Behind the Same POI will not be incorporated into the upcoming Manual 14A-14G split as there are still stakeholder/PJM discussions surrounding the issue. Once the topic is ready to be captured in the manual, PJM will approach the PC with those specific updates.

13. Transmission Expansion Advisory Committee (TEAC) and Sub-regional RTEP (SRTEP) Meeting Information

Mr. Aaron Berner, PJM, provided an update on the review process of the Regional and Local Plans, including those conducted at the TEAC and Sub-regional RTEP Committees. PJM is reviewing various items for inclusion in future discussions, including presentations made during this April 5th Planning Committee Meeting, and will be returning to the May Planning Committee in order to discuss items such as the do no harm test, facility ratings, changes to the planning community, etc.

14. Reactive Transfer Interface Definition Changes

Mr. Yuri Smolanitsky, PJM, presented changes being implemented to the Reactive Transfer Interface Definition and explained how this would apply to Planning.

15. ComEd Planning Criteria Changes

Mr. Kevin Chamberlain, ComEd, presented ComEd's Planning Criteria changes.

16. Retirement of University Park North Remedial Action Scheme

Mr. Alan Engelmann, ComEd, presented information related to the retirement of the University Park North Remedial Action Scheme.

17. Facility Ratings

Mr. Ryan Dolan, AMP, discussed questions and comments related to transmission owner and PJM facility ratings.

Informational Recorded Updates

18. Model Build Activity Update

A link to the pre-recorded video presentation by Mr. Jonathan Thompson, PJM, providing a status update regarding current model build activities, including the 2018 series RTEP cases, was included in the April 5, 2018 PC Agenda for members to view before the meeting.

https://videos.pjm.com/media/System+Planning+Modeling+Update/1_br4aktpn/57721451

19. Reliability Compliance Update

A link to the pre-recorded video presentation by Mr. Preston Walker, PJM, providing an update on the activities, issues and items of interest at NERC, SERC, and RFC, was included in the April 5, 2018 PC Agenda for members to view before the meeting.

https://videos.pjm.com/media/Reliability+Compliance+Update/1_r2yijyag/57721451

Information Only

Order 1000 Lessons Learned and OA Administrative Changes

PJM is advising members that PJM will be filing Operating Agreement changes that were previously endorsed in 2016. The administrative changes, which resulted from Lessons Learned meetings, address pre-qualification for entities (require 3 year update), clean up on timing of steps for Designated Entity designation and agreement execution, and alignment with CTOA for designation/acceptance. The changes as endorsed can be found under the Members Committee meeting materials of February 25, 2016 materials. PJM anticipates the filing to be made no later than April 2, 2018. PJM will be contacting the pre-qualified entities directly regarding updating prequalification submittals to ensure no disruption to participation in proposal windows. **Ms. Pauline Foley, PJM, provided an update that this filing will be made shortly.**

Manual 03 Updates

A redline version (non-CEII) of the updates made to Manual 03 Transmission Operations are posted with the meeting materials for review.

Future Meeting Dates

May 3, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 7, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
July 12, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
August 9, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
September 13, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
October 11, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
November 8, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 13, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx



Draft Meeting Minutes

Attendance List

Ken Seiler (Chair)	PJM Interconnection, LLC	Not Applicable
Anisha Fernandes (Secretary)	PJM Interconnection, LLC	Not Applicable
Eric Lavery	Aces	Electric Distributor
Jim Garrett	AEP	Transmission Owner
Robert Cundiff	AEP Energy Partners, Inc.	Other Supplier
Edward Achaab	AEP Energy Partners, Inc.	Other Supplier
Brian Swain	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
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
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
David Tate	American Transmission Systems, Inc.	Transmission Owner
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Hugh Scott	Baltimore Gas and Electric Company	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Ron Pezon	Borough of Chambersburg	Electric Distributor
Neeraj Gurpreet	Boston Energy Trading & Marketing, LLC	Generation Owner
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Greg Poulos	CAPS	Not Applicable
Jakob Metzler	Castleton Commodities Merchant Trading L.P	Other Supplier
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Ronald Regner	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Thomas Leeming	Commonwealth Edison Company	Transmission Owner
John Garavaglia	Commonwealth Edison Company	Transmission Owner
Alan Engelmann	Commonwealth Edison Company	Transmission Owner
Kevin Chamberlain	Commonwealth Edison Company	Transmission Owner
William Allen	Commonwealth Edison Company	Transmission Owner
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Mark Logan	Dayton Power & Light Company (The)	Transmission Owner
Joseph DeLosa	DE Public Service Commission	Not Applicable
Marji Philips	Direct Energy Business, LLC	Other Supplier
Sarah Rana	Dominion Virginia Power	Transmission Owner
Kyle Hannah	Dominion Virginia Power	Transmission Owner
Doug Lambert	Dominion Virginia Power	Transmission Owner
George Owens	Downes Associates, Inc.	Other Supplier
Judy Stubbe	Duke Energy Ohio, Inc.	Transmission Owner
julie mason	Duke Energy Ohio, Inc.	Transmission Owner
Iker Chocarro Aguirrebengoa	E.ON Climate & Renewables North America, Inc.	Generation Owner
Scott Sells	East Kentucky Power Cooperative, Inc.	Transmission Owner
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Bruce Campbell	EnergyConnect, Inc.	Other Supplier
Nick Gangi	Eversource Energy	Not Applicable
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Jason Barker	Exelon Business Services Company, LLC	Transmission Owner
John Syner	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Jon Schneider	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Thomas Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jeffrey Mackauer	FirstEnergy Solutions Corp.	Transmission Owner
Michael Borgatti	Gabel and Associates	Not Applicable
Rachel Hulett	Gridliance, GP, LLC	Not Applicable



Draft Meeting Minutes

David Pratzon	GT Power Group	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
Maggie Pakula	Invenergy, LLC	Generation Owner
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
Adam Solomon	Midwest Independent Transmission System Operator, Inc.	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
David Brown	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Amanda Mack	NextEra Energy Transmission, LLC	Other Supplier
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
James Manning	North Carolina Electric Membership Corporation	Electric Distributor
John Lemire	North Carolina Electric Membership Corporation	Electric Distributor
Sofra David	North Carolina Electric Membership Corporation	Electric Distributor
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Yohannes Mariam	Office of the Peoples Counsel for the District of Columbia	End User Customer
Tom Schmidt	Ohio Electric Cooperatives	Not Applicable
William Pezalla	Old Dominion Electric Cooperative	Electric Distributor
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Ron Slagel	Other	Not Applicable
John Sweriduk	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Mike Donnelly	PECO Energy Company	Transmission Owner
Douglas Dale	PECO Energy Company	Transmission Owner
Amber Young	PEPCO Holdings, Inc.	Not Applicable
Tao Yang	PJM Interconnection, LLC	Not Applicable
Stanley Williams	PJM Interconnection, LLC	Not Applicable
Jonathan Thompson	PJM Interconnection, LLC	Not Applicable
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
Wenzheng Qiu	PJM Interconnection, LLC	Not Applicable
Niloufar Mirhosseini	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Brindavani Malladi	PJM Interconnection, LLC	Not Applicable
Chuck Liebold	PJM Interconnection, LLC	Not Applicable
Matthew LaRocque	PJM Interconnection, LLC	Not Applicable
Lisa Krizenoskas	PJM Interconnection, LLC	Not Applicable
Srinivas Kappagantula	PJM Interconnection, LLC	Not Applicable
Anupama Janapareddy	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Henry (Jack) Thomas	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Larry Farmer	PJM Interconnection, LLC	Not Applicable
Janell Fabiano	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Ilyana Dropkin	PJM Interconnection, LLC	Not Applicable
Mary Ellen Driscoll	PJM Interconnection, LLC	Not Applicable
Danielle Croop	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Kyle Clifford	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
Tim Burdis	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Scott Baker	PJM Interconnection, LLC	Not Applicable
David Anders	PJM Interconnection, LLC	Not Applicable
Mark Kuras	PJM Interconnection, LLC	Not Applicable
Shaun Murphy	PJM Interconnection, LLC	Not Applicable
Phil Penny	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Glenn Bray	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
William Lavista	PSEG Energy Resources and Trade LLC	Transmission Owner



Draft Meeting Minutes

Sam Giordano
Kriti Dawadi
Alexander Stern
Ahmed Mousa
Leonid Lyakhovich
Tom Hoatson
Brian O'Boyle
Roleto Mangonon
Rory Sweeney
Stephanie Tsao
Andy Peebles
Kenneth Foladare
Cynthia Kinser
Ibrahima Kalle
Edrissa Cham
Adam Weber
Craig Crider
Steve Chafin
Ronnie Bailey

PSEG Energy Resources and Trade LLC
PSEG Energy Resources and Trade LLC
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Service Electric & Gas Company
Riverside Generating, LLC
Rockland Electric Company
Rockland Electric Company
RTO Insider
S&P Global Market Intelligence
Saracen Energy East LP
Tangibl
Tennessee Department of Agriculture
Tibiri Energies
Tradewind Energy, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia Electric & Power Company
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Virginia Electric & Power Company

Transmission Owner
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Other Supplier
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Author: Anisha Fernandes