

Planning Committee
PJM Conference and Training Center
July 12, 2018
9:00 a.m. – 3:15 p.m.

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 July 12, 2018 Planning Committee meeting, noting that item 15 will be presented before item 14 to allow for the flow of similar information between Items 14 and 16. The Planning Committee approved the Agenda.
3. Ms. Anisha Fernandes reviewed the draft minutes posted for the June 7, 2018 meeting and the Planning Committee approved the minutes.
4. Mr. Ken Seiler reviewed the PC Work Plan.

Endorsements (9:15-9:45)

5. **Manual 14A-14G Division**
Ms. Lisa Krizenoskas, PJM, presented the division of Manual 14A into revised Manual 14A New Services Requests Study Process and new Manual 14G Generation Interconnection Requests. **By vote of acclamation the Planning Committee endorsed the revisions with 0 objections and 0 abstentions.**
6. **Load Model Selection**
Mr. Patricio Rocha-Garrido, PJM, presented the results of the Load Model selection process for the 2018 Reserve Requirement Study. **By vote of acclamation the Planning Committee endorsed the Load Model Selection with 0 objections and 0 abstentions.**

First Reads (9:45-10:45)

7. **Manual 14B Updates**
Mr. Jonathan Kern, PJM, presented updates to Manual 14B Regional Transmission Planning Process. The committee will be requested to endorse these revisions at the next meeting.
8. **PJM Relay Philosophy Document Revisions**
Mr. Jeffrey Barsch, AEP, presented revisions made to the PJM Relay Philosophy document. It was noted at the meeting that the revision of this document is informational only, and does not need to be endorsed by the Planning Committee.
9. **Manual 14C Updates**
Mr. Art Wolfe, PJM, presented general changes being made to Manual 14C Generation & Transmission Interconnection Facility Construction. The committee will be requested to endorse these revisions at the next meeting.

10. Market Efficiency Process Enhancement Proposal

Mr. Brian Chmielewski, PJM, presented a first read on the Market Efficiency phase 1 proposal developed at the Market Efficiency Process Enhancement Task Force (MEPETF). The committee will be requested to endorse the proposal and Tariff revisions at the next meeting.

11. Manual 14F Updates

A) Mr. Brian Chmielewski, PJM, presented a first read on proposed changes to Manual 14F, Competitive Planning Process, including market efficiency process documentation regarding the evaluation of both regional and interregional projects. The committee will be requested to endorse these revisions at the next meeting.

B) Mr. Jason Shoemaker, PJM, presented proposed changes to Manual 14F Competitive Planning Process to incorporate the use of the new project proposal template, capture recently accepted FERC filings and include some changes resulting from the Cost Containment discussions. The committee will be requested to endorse these revisions at the next meeting.

Informational Updates (10:45-3:15)

12. 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.

13. Security Initiatives High Level Overview

Mr. Colin Brisson, PJM, provided an overview of security initiatives, including the two factor authentication that will be implemented later this year in order to enhance security of PJM's web based, member facing tools.

15. Planning Resilience

Mr. Aaron Berner, PJM, provided an update on the efforts to begin formulation of principles associated with resilience in PJM's transmission planning studies.

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

Mr. Aaron Berner, PJM, discussed information relating to TEAC and Sub-regional RTEP Committee meetings and the presentations of materials. PJM and stakeholders engaged in lengthy discussions on the information presented.

16. Revised Supplemental Planning Process

Mr. Chip Richardson, PPL, discussed revisions to the Supplemental Planning Process. Stakeholders engaged in lengthy discussions on the details of the information presented.

17. FERC Order 845 Update

Ms. Pauline Foley, PJM, provided an update on FERC Order 845.

18. Removal of Carolina 54 Remedial Action Scheme

Mr. Ronnie Bailey, Dominion Energy, presented information related to the removal of the Carolina 54 Remedial Action Scheme.

19. Reliability Compliance Update

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

Informational Recorded Updates

20. Model Build Activity Update

Link to recording:

https://videos.pjm.com/media/2018+July+System+Planning+Update/0_93eeco3/57735481

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

Future Meeting Dates

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

Attendance List

Ken Seiler (Chair)	PJM Interconnection, LLC	Not Applicable
Anisha Fernandes (Secretary)	PJM Interconnection, LLC	Not Applicable
Prakash Shrestha	AEP Energy Partners, Inc.	Other Supplier
Robert Cundiff	AEP Energy Partners, Inc.	Other Supplier
Nicolas Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Jamie Lejcar	Allegheny Electric Cooperative, Inc.	Electric Distributor
Edward Tatum	American Municipal Power	Electric Distributor
Ryan Dolan	American Municipal Power	Electric Distributor
Kristin Rothery	American Municipal Power, Inc.	Electric Distributor
Lisa McAlister	American Municipal Power, Inc.	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
Evan Wilcox	Appalachian Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Jeff Barsch	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Craig Lockwood	Appalachian Power Company	Transmission Owner
Will Burkett	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
Gurpreet Neeraj	Boston Energy Trading & Marketing, LLC	Generation Owner
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
Combes Kyle	Burns Law Firm	Not Applicable
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
Thomas Leeming	Commonwealth Edison Company	Transmission Owner
William Allen	Commonwealth Edison Company	Transmission Owner
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Brian Wilkie	Consolidated Edison Solutions, Inc	Other Supplier
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
Kerry Neubrandner	DC Energy, LLC	Other Supplier
Joseph DeLosa	DE Public Service Commission	Not Applicable
Marji Philips	Direct Energy Business, LLC	Other Supplier
James Davis	Dominion Energy Marketing, Inc.	Generation Owner
George Owens	Downes Associates, Inc.	Other Supplier
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Judy Stubbe	Duke Energy Ohio, Inc.	Transmission Owner
Julie mason	Duke Energy Ohio, Inc.	Transmission Owner
Breanne Melius	Duquesne Light Company	Transmission Owner
Patrick Grau	Dynergy 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
Nathan Bradley	East Kentucky Power Cooperative, Inc.	Transmission Owner
Kevin Thundiyl	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
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Tony Tong	Exelon Business Services Company, LLC	Transmission Owner
Christopher Nekolny	Exelon Generation Co., LLC	Generation Owner
Roozbeh Shegarfi	Exelon Generation Co., LLC	Generation Owner
Chibueze Okwudiri	FirstEnergy Solutions Corp.	Transmission Owner
Craig Fraley	FirstEnergy Solutions Corp.	Transmission Owner
Jacquelyn Lojek	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
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Thomas Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Sally Thomas	FirstEnergy Solutions Corp.	Transmission Owner
Juan Bueno	FirstEnergy Solutions Corp.	Transmission Owner
Donna Robichaud	Geenex	Not Applicable
Sean Baur	GlidePath Development LLC	Not Applicable
Laurie Oppel	Grid Advisers Inc	Not Applicable
Rachel Hulett	Gridliance, GP, LLC	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
Dave Johnston	Indiana Utility Regulatory Commission	Not Applicable
Aatif Musani	ITC Interconnection, LLC	Transmission Owner
Kent Chandler	Kentucky Government	Not Applicable
Justin McNeil	Kentucky Government	Not Applicable
Sharon Segner	LS Power Transmission, LLC	Transmission Owner
Yan Du	LS Power Transmission, LLC	Transmission Owner
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	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	Not Applicable
Amanda Mack	NextEra Energy Transmission, LLC	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier



Draft Meeting Minutes

Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
James Manning	North Carolina Electric Membership Corporation	Electric Distributor
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Neal Fitch	NRG Power Marketing LLC	Generation Owner
Frederick Heinle	Office of the Peoples Counsel for the District of Columbia	End User Customer
Tom Schmidt	Ohio Electric Cooperatives	Not Applicable
Mark Ringhausen	Old Dominion Electric Cooperative	Electric Distributor
William Pezalla	Old Dominion Electric Cooperative	Electric Distributor
Jenjira Knernschield	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Douglas Dale	PECO Energy Company	Transmission Owner
J Earl Coffman	PECO Energy Company	Transmission Owner
Mike Donnelly	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Alex Worcester	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Art Wolfe	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Emma Nix	PJM Interconnection, LLC	Not Applicable
Erich Mauroschadt	PJM Interconnection, LLC	Not Applicable
Fran Barrett	PJM Interconnection, LLC	Not Applicable
Henry (Jack) Thomas	PJM Interconnection, LLC	Not Applicable
Janell Fabiano	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
Jeffery Goldberg	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Jonathan Kern	PJM Interconnection, LLC	Not Applicable
Lagy Mathew	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
Mark Sims	PJM Interconnection, LLC	Not Applicable
Matthew LaRocque	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Michelle Harhai	PJM Interconnection, LLC	Not Applicable
Mykhaylo Pantyukhin	PJM Interconnection, LLC	Not Applicable
Nam Ngo	PJM Interconnection, LLC	Not Applicable
Nicolae Dumitriu	PJM Interconnection, LLC	Not Applicable
Niloufar Mirhosseini	PJM Interconnection, LLC	Not Applicable
Patricio Rocha-Garrido	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Phil Yum	PJM Interconnection, LLC	Not Applicable
Preston Walker	PJM Interconnection, LLC	Not Applicable
Rebecca Carroll	PJM Interconnection, LLC	Not Applicable
Shane Fairchild	PJM Interconnection, LLC	Not Applicable
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Tim Burdis	PJM Interconnection, LLC	Not Applicable
Tom Falin	PJM Interconnection, LLC	Not Applicable
Xu Xu	PJM Interconnection, LLC	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Chip Richardson	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Cleveland Richards	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Phil Penny	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
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Ramesh Hariharan	PSC	Not Applicable
Kriti Dawadi	PSEG Energy Resources and Trade LLC	Transmission Owner



Draft Meeting Minutes

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
Esam Khadr	Public Service Electric & Gas Company	Transmission Owner
John Nagurney	Public Service Electric & Gas Company	Transmission Owner
Josh Rawley	Public Service Electric & Gas Company	Not Applicable
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Mariam Chatha	Public Service Electric & Gas Company	Transmission Owner
MD Sakib	Public Service Electric & Gas Company	Transmission Owner
Qamar Arsalan	Public Service Electric & Gas Company	Transmission Owner
Rich Marinelli	Public Service Electric & Gas Company	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable
Raj Pudhota	Quanta Technology	Not Applicable
Ray Mason	ReliabilityFirst Corporation	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Roletto Mangonon	Rockland Electric Company	Transmission Owner
Rory Sweeney	RTO Insider	Not Applicable
Suzanne Herel	RTO Insider	Not Applicable
Stephanie Tsao	S&P Global Market Intelligence	Not Applicable
Andy Peebles	Saracen Energy East LP	Other Supplier
Gerry Binder	SESCO Enterprises LLC	Other Supplier
Nikhil Kumar	SIG Energy, LLLP	Other Supplier
Kenneth Foadare	Tangibl	Not Applicable
Weili Yi	The Energy Authority, Inc	Not Applicable
John Sillin	The Federal Energy Regulatory Commission	Not Applicable
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
Edrissa Cham	Tradewind Energy, Inc.	Not Applicable
Eric Sorber	UGI Utilities, Inc.	Transmission Owner
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Neil Joshipura	Virginia State Corporation Commission	Not Applicable
Ronnie Bailey	Virginia Electric & Power Company	Transmission Owner

Author: Anisha Fernandes