

Planning Committee
PJM Conference and Training Center, Audubon, PA
August 10, 2017

Administration

1. Mr. Paul McGlynn, PJM, called the meeting to order and reviewed the Code of Conduct and Anti-Trust.
2. Mr. McGlynn asked Ms. Bridgid Cummings to review the meeting minutes of the July 13, 2017 Planning Committee meeting. Mr. McGlynn asked the Planning Committee to approve the minutes. Mr. Dave Pratzon made a motion to approve the minutes. Mr. Barry Trayers seconded the motion. In a voice vote, the Planning Committee approved the July 13, 2017 Planning Committee Minutes.

Endorsements

3. TO/TOP Matrix V11 Update

Mr. Srinivas Kappagantula, PJM, provided a second read for the Draft TO/TOP Matrix V11. Ms. Adrien Ford made a motion to endorse and Mr. Ronnie Bailey seconded the motion. There were no objections and no abstentions. **In a voice vote, the committee endorsed recommending to TOA-AC approval of the Draft TO/TOP Matrix V11.**

4. PJM Manual 14B – NYISO/PJM Wheel Replacement

Mr. Michael Herman, PJM, presented updates to Manual 14B (PJM Regional Transmission Process) resulting from the NYSIO/PJM Wheel Replacement and System Planning department responsibilities. Mr. Esam Khadr made a motion to endorse and Mr. John Syner seconded the motion. There was 1 objection and 14 abstentions. **In a voice vote, the committee endorsed the updates to Manual 14B.**

First Readings

5. PJM Manual 14A

Mr. Joe Hay, PJM, presented proposed updates to Manual 14A (Generation and Transmission Interconnection Process). These updates were identified as part of the biennial review of the manual. Members are asked to please review the red-line changes and provide feedback to David Egan at David.Egan@pjm.com. The committee will be asked to endorse these updates at its next meeting.

Informational Updates

6. Light Load Analysis

Mr. Mark Sims, PJM, reviewed the proposed approach to update the Light Load Reliability Test procedure parameters. This will continue to be discussed at future Planning Committee meetings.

7. **Grid Resilience in System Planning**

Mr. Sims, PJM, discussed grid resilience in Transmission Planning as well as next steps. PJM will continue to refine the meaning of grid resilience in Transmission Planning in the coming meetings. Members are encouraged to provide feedback via RTEP@pjm.com.

8. **Relay Subcommittee request for NERC P5 stability contingencies and clearing times**

Mr. Stan Sliwa, PJM, provided an update on the Relay Subcommittee request for NERC P5 stability contingencies and clearing times. The list of information being requested is available under Item 8 in the August 10th Planning Committee Material on the [PC Website](#).

9. **RTEP 2018 Schedule Update**

Mr. Jason Connell, PJM, provided an update regarding the RTEP 2018 Schedule. The full RTEP Power flow case build schedule is available in the Item 9 materials in the August 10th Planning Committee Material on the [PC Website](#).

10. **Winter Season Resource Adequacy and Capacity Requirements**

Mr. Tom Falin, PJM, provided an update on recent work related to the MRC problem statement regarding winter season resource adequacy and capacity requirements. Updates will continue to be brought to the Planning Committee as they become available.

11. **New Service Request Study Methods**

Mr. Aaron Berner, PJM, provided an update on the progress of the new service request study methods. There are two scheduled special Planning Committee sessions to further discuss this topic. The first is August 25, 2017 at 1 pm and the second is September 22, 2017 at 2 pm.

12. **Power Systems Engineering Division (PSED) Technical Workshop**

Mr. Aaron Berner, PJM, provided an update regarding the Mitsubishi Electric Power Products, Inc. (MEPPI) Power Systems Engineering Division (PSED) Technical Workshop from September 25 through September 27. Those interested can sign up using the following link:
<http://pjm.com/Calendar-Events/PJM-Calendars/Training-Events/2017/September/25/ip-psed-technical-workshop.aspx>

13. **NERC and Regional Coordination Update**

Mr. Preston Walker, PJM, provided an update on recent NERC activities and PJM compliance activities. NERC standards subject to future enforcement can be found under the August 10th Planning Committee Material at the [PC Website](#).

14. **2017 Stakeholder Satisfaction Survey**

Ms. Janell Fabiano, PJM, provided an update regarding the 2017 Stakeholder Satisfaction Survey.



Future Meeting Dates

August 21, 2017	9:30 a.m.	Special PC: Consideration of Cost Cap/Containment Provisions for Competitive Proposals	PJM Conference and Training Center, Audubon, PA
August 25, 2017	1:00 p.m.	Special PC: New Service Request Study Methods	Teleconference Only
September 8, 2017	1:00 p.m.	Special PC: Consideration of Cost Cap/Containment Provisions for Competitive Proposals	PJM Conference and Training Center, Audubon, PA
September 14, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
September 22, 2017	2:00 p.m.	Special PC: New Service Request Study Methods	Teleconference Only
October 9, 2017	9:30 a.m.	Special PC: Consideration of Cost Cap/Containment Provisions for Competitive Proposals	PJM Conference and Training Center, Audubon, PA
October 12, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
November 9, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
December 14, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA

Author: Bridgid Cummings

Attendees

Attendees	Company	Sector
Paul McGlynn (Chair)	PJM Interconnection, LLC	Not Applicable
Bridgid Cummings (Secretary)	PJM Interconnection, LLC	Not Applicable
Eric Laverty	Aces Power Marketing Inc.	Electric Distributor
RJ Cundiff	AEP Energy Partners, Inc.	Transmission Owner
Jerod Marker	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Sean Black	Ameren Corporation	Not Applicable
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Edward Tatum	American Municipal Power, Inc.	Electric Distributor
Jim Zweig	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	Appalachian Power Company	Transmission Owner
Kevin Patten	Appalachian Power Company	Transmission Owner
Evan Wilcox	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Daniel Miller	Appalachian Power Company	Transmission Owner
Rajul Mahmud	Baltimore Gas and Electric Company	Transmission Owner
Marek Kaczanowski	Baltimore Gas and Electric Company	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Brian Vayda	Borough of Park Ridge	Electric Distributor
Tony Lopez-Lopez	Bryndan Associates, Inc.	Not Applicable
Tom Hoatson	Carroll County Energy LLC	Other Supplier
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Deral Danis	Clean Line Energy Partners LLC	Not Applicable
William Allen	Commonwealth Edison Company	Transmission Owner
John Garavaglia	Commonwealth Edison Company	Transmission Owner
Ronald Regner	Commonwealth Edison Company	Transmission Owner
Diana McNally-Barsotti	Consolidated Edison	Other Supplier
Cynthia Kinser	Consumer Advocate Lawyer for State of Tennessee Attorney General	Not Applicable
Greg Poulos	Consumer Advocates of PJM States	Not Applicable
Bruce Campbell	Cpower	Other Supplier
Jamie Lejcar	CPS Energy	Electric Distributor
Guy Filomena	Customized Energy Solutions, Ltd.*	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.*	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.*	Not Applicable

Mike Hurd	Dayton Power & Light Company (The)	Transmission Owner
Michael Russ	Dayton Power & Light Company (The)	Transmission Owner
Kerry Neubrander	DC Energy, LLC	Other Supplier
John Farber	DE Public Service Commission	Not Applicable
Shelly-Ann Maye	Diversified Energy Regulatory Consulting	Not Applicable
Ronnie Bailey	Dominion Virginia Power	Transmission Owner
Craig Crider	Dominion Virginia Power	Transmission Owner
Kyle Hannah	Dominion Virginia Power	Transmission Owner
Frank Zhang	Dominion Virginia Power	Transmission Owner
George Owens	Downes Associates, Inc.	Other Supplier
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Anita Schafer	Duke Energy Kentucky	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Judy Stubbe	Duke Energy Ohio, Inc.	Transmission Owner
Elizabeth Cook	Duquesne Light Company	Transmission Owner
Patrick Grau	Dynegy Marketing and Trade, LLC	Generation Owner
Iker Chocarro	E.on Climate & Renewables North America, Inc	Generation Owner
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Wes Fluty	East Kentucky Power Cooperative, Inc.	Transmission Owner
Scott Sells	East Kentucky Power Cooperative, Inc.	Transmission Owner
Amanda Stacy	East Kentucky Power Cooperative, Inc.	Transmission Owner
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Pablo Ovando	Exelon Business Services Company, LLC	Transmission Owner
Melanie Sanders	Exelon Business Services Company, LLC	Transmission Owner
Jeffrey Yuknis	Exelon Business Services Company, LLC	Transmission Owner
Sharon Midgley	Exelon Generation Co., LLC	Generation Owner
Shadrack Orero	Exelon Generation Co., LLC	Generation Owner
Roozbeh Shegarfi	Exelon Generation Co., LLC	Generation Owner
Aasawari Pawar	First Solar	Not Applicable
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
John Syner	FirstEnergy Solutions Corp.	Transmission Owner
Tom Hyzinski	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Dean Bickerstaff	Hartree Partners	Other Supplier
Kenneth Foladare	IMG Midstream LLC	Generation Owner
Joe Staszowski	ISO New England	Not Applicable
Brenda Prokop	ITC Interconnect	Transmission Owner
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Rehan Gilani	Leidos	Not Applicable
Sean Powers	Linde Energy Services, Inc	End User Customer
Robert Colozza	LS Power Transmission, LLC	Transmission Owner
John Seelke	LS Power Transmission, LLC	Transmission Owner
Heather Thomson	Marec	Not Applicable

Fred Kelley	Maryland Public Service Commission	Not Applicable
Morris Schreim	Maryland Public Service Commission	Not Applicable
Craig Taborsky	Maryland Public Service Commission	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
Adam Gerstnecker	Mitsubishi Electric Power Products Inc.	Not Applicable
Rajat Majumder	Mitsubishi Electric Power Products Inc.	Not Applicable
John Dadourian	Monitoring Analytics	Not Applicable
George Kogut	New York Power Authority	Other Supplier
David Davis	NextEra Energy Power Marketing, LLC	Generation Owner
Dean Busch	NextEra Energy Resources, LLC	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Gabriel Hollis	Nextera Energy, Inc	Other Supplier
James Manning	North Carolina Electric Membership Corporation	Electric Distributor
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Ruth Holdbrook	Northern Virginia Electric Cooperative	Electric Distributor
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Neal Fitch	NRG Power Marketing LLC	Generation Owner
Frederick Heinle	Office of the Peoples Counsel for the D.C.	Not Applicable
John Donelson	Old Dominion Electric Cooperative	Electric Distributor
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
William Pezalla	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
James Madson	Pattern Energy Group	Not Applicable
Brett Rollow	Pattern Energy Group	Not Applicable
Douglas Dale	PECO Energy Company	Transmission Owner
Mike Donnelly	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Dhruv Acharya	PEPCO Holdings, Inc.	Transmission Owner
Patricia Kurowski	PEPCO Holdings, Inc.	Transmission Owner
Amber Young	PEPCO Holdings, Inc.	Transmission Owner
Dave Anders	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Murty Bhavaraju	PJM Interconnection, LLC	Not Applicable
Mike Bryson	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Suzanne Daugherty	PJM Interconnection, LLC	Not Applicable
Mary Ellen Driscoll	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
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Jacob Grande	PJM Interconnection, LLC	Not Applicable

Joe Hay	PJM Interconnection, LLC	Not Applicable
Chantal Hendrzak	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Risa Holland	PJM Interconnection, LLC	Not Applicable
Eric Hsia	PJM Interconnection, LLC	Not Applicable
Srinivas Kappagantula	PJM Interconnection, LLC	Not Applicable
Frank Koza Jr.	PJM Interconnection, LLC	Not Applicable
Lisa Krizenoskas	PJM Interconnection, LLC	Not Applicable
Matthew LaRocque	PJM Interconnection, LLC	Not Applicable
Chuck Liebold	PJM Interconnection, LLC	Not Applicable
Jeremy Lin	PJM Interconnection, LLC	Not Applicable
Amanda Long	PJM Interconnection, LLC	Not Applicable
Erich Mauroschadt	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Molly Mooney	PJM Interconnection, LLC	Not Applicable
Chris Pilong	PJM Interconnection, LLC	Not Applicable
Steve Pincus	PJM Interconnection, LLC	Not Applicable
Wenzhen Qui	PJM Interconnection, LLC	Not Applicable
Patricio Rocha-Garrido	PJM Interconnection, LLC	Not Applicable
Ken Seiler	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Lauren Strella	PJM Interconnection, LLC	Not Applicable
Mike Ward	PJM Interconnection, LLC	Not Applicable
Stanley Williams	PJM Interconnection, LLC	Not Applicable
Alex Worcester	PJM Interconnection, LLC	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Michele Greening	PPL Electric Utilities Corp. dba PPL Utilities	Generation Owner
William Lavista	PSEG Energy Resources and Trade LLC	Transmission Owner
Qamar Arsalan	Public Service Electric & Gas Company	Transmission Owner
Rich Marinelli	Public Service Electric & Gas Company	Transmission Owner
John Nagurney	Public Service Electric & Gas Company	Transmission Owner
Ming Zhou	Public Service Electric & Gas Company	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable
Chandana Bommareddy	Quanta Technology	Not Applicable
Leslie Krawczyk	Reliability First	Not Applicable
Roletto Mangonon	Rockland Electric Company	Transmission Owner
Rory Sweeney	RTO Insider	Not Applicable
Gerry Binder	SESCO Enterprises LLC	Other Supplier
Andy Peebles	Shell Energy North America (US), LP	Other Supplier
John Snyder	The Energy Authority, Inc	Not Applicable
Weili Yi	The Energy Authority, Inc	Not Applicable
John Sillin	The Federal Energy Regulatory Commission	Not Applicable
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier



Draft Minutes

Steve Chafin
Nick Upton
James Wilson

Virginia Electric & Power Company
Virginia State Corporation Commission
Wilson Energy Economics

Transmission Owner
Not Applicable
Not Applicable