

Planning Committee  
PJM Conference and Training Center  
February 07, 2019  
9:00 a.m. – 12:00 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 February 07, 2019 Planning Committee meeting. The Planning Committee approved the Agenda. An announcement was made to notify stakeholders of the scheduled Special PC M-3 Process Lessons Learned sessions (See Future Meeting Dates below).
3. Ms. Anisha Fernandes reviewed the draft minutes posted for the January 10, 2019 meeting and the Planning Committee approved the minutes.

## Endorsements (9:15-10:00)

4. **Draft TO/TOP Matrix V13**  
Mr. Christopher Moran, PJM, presented the proposed changes to the TO/TOP Matrix. **By vote of acclamation the Planning Committee provided a recommendation to the TOA-AC to approve the Draft TO/TOP Matrix V13 with 0 objections and 0 abstentions.**
5. **Merchant Transmission Interconnection Process and Off-Shore Wind**  
Ms. Sue Glatz, PJM, presented a Problem Statement to address potential areas of improvement to the merchant transmission interconnection process and off-shore wind projects. **By vote of acclamation the Planning Committee endorsed this Problem Statement with 0 objections and 0 abstentions.**
6. **Interconnection Queue Process Improvements**  
Ms. Susan McGill, PJM, presented a Problem Statement to address process issues associated with deficiency cure periods at the end of the queue and identify potential areas of improvement. The proposed solution was also presented along with the Manual 14A revisions. **By vote of acclamation the Planning Committee endorsed this Problem Statement and solution with 0 objections and 0 abstentions.**

## First Reads (10:00-10:15)

7. **Manual 20 Updates**  
Mr. Jason Quevada, PJM, presented updates to Manual 20 Resource Adequacy Analysis. The Committee will be requested to endorse these updates at the next meeting.

## Informational Updates (10:15-12:00)

8. **ELCC Analysis of Intermittent Resources**  
Mr. Tom Falin, PJM, reviewed the proposed ELCC-based method to determine the UCAP value of wind and solar resources. A first read of all Manual 21 changes will be presented at the March 7<sup>th</sup> PC meeting.

## 9. Cost Commitment Status and Next Steps

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

[Issue Tracking: Cost Containment](#)

## 10. Network Model Alignment Initiative

Ms. Nicole Scott, Mr. Jason Sexauer and Mr. Kyle Clifford, PJM, presented accomplishments of the Network Model Alignment Initiative outlining the work performed and its relevance to Planning.

## 11. Dynamic Model Submission

Mr. Kyle Clifford and Mr. Tao Yang, PJM, provided an update on moving to generic dynamic models instead of user defined dynamic models.

## 12. FERC Order No. 845 Update

Ms. Susan McGill, PJM, provided a verbal update on Order 845. Ms. McGill mentioned that FERC has not yet issued an Order for Rehearing, and the deadline for filing would be 90 days after issuance. The changes to the reforms that are not subject to a rehearing request will be presented at the March 7<sup>th</sup> PC meeting and subsequent meetings, as needed.

## 13. RTEP Process Enhancements

**(A)** Mr. Aaron Berner, PJM, discussed the development of a problem statement related to the process for removal of a network upgrade, baseline, or Supplemental Project from the RTEPP.

**(B)** Ms. Sharon Segner, LS Power, reviewed when transmission projects will be removed from the RTEP models as proposed at the January 24, 2019 MRC meeting as friendly amendments.

## 14. Model Build Activity Update

Mr. Kyle Clifford provided an update regarding current model build activities, including the 2019 series MMWG/MOD-032 cases.

## 15. Value of Transmission Paper

Mr. Ken Seiler presented highlights from the Value of Transmission paper released in January.

## 16. Retirement of Lisle Remedial Action Scheme

Mr. Minh Nguyen, ComEd, presented information related to the retirement of the Remedial Action Scheme at Lisle substation.

## Future Meeting Dates

March 07, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
April 11, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
April 12, 2019	1:00 p.m.	Special PC: M-3 Process Lessons Learned	PJM Conference & Training Center/ WebEx
May 16, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
June 13, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
July 11, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
July 12, 2019	9:00 a.m.	Special PC: M-3 Process Lessons Learned	PJM Conference & Training Center/ WebEx
August 8, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
September 12, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx
October 11, 2019	9:00 a.m.	Special PC: M-3 Process Lessons Learned	PJM Conference & Training Center/ WebEx
October 17, 2019	9:00 a.m.	Planning Committee	PJM Conference & Training Center/ WebEx

November 14, 2019  
December 12, 2019

9:00 a.m. Planning Committee  
9:00 a.m. Planning Committee

PJM Conference & Training Center/ WebEx  
PJM Conference & Training Center/ WebEx

## Attendance List

Ken Seiler (Chair)	PJM Interconnection, LLC	Not Applicable
Anisha Fernandes (Secretary)	PJM Interconnection, LLC	Not Applicable
Eric Lavery	Aces	Electric Distributor
Jamie Lejcar	Allegheny Electric Cooperative, Inc.	Electric Distributor
Daniel Vargo	Allegheny Electric Cooperative, Inc.	Electric Distributor
Ryan Dolan	American Municipal Power	Electric Distributor
Ed Tatum	American Municipal Power	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Theodore Paradise	Anabarc	Not Applicable
Brock Ondayko	Appalachian Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Kent Feliks	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Markian Melnyk	Atlantic Grid Operations A, LLC	Other Supplier
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
Tom Jens	Black Oak Energy, LLC	Other Supplier
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
Greg Poulos	CAPS	Not Applicable
Bill Allen	Commonwealth Edison Company	Transmission Owner
Kevin Chamberlain	Commonwealth Edison Company	Transmission Owner
Thomas Leeming	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Minh Nguyen	Commonwealth Edison Company	Transmission Owner
Ron Regner	Commonwealth Edison Company	Transmission Owner
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Jame Huang	ConEdison Energy, Inc.	Other Supplier
Haibin Sun	Constellation Energy Services, Inc	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Lynn Horning	Customized Energy Solutions, Ltd.	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
Dwarakesh Nallan	Daymark Energy Advisors	Not Applicable
Tim Bockhorn	Dayton Power & Light Company (The)	Transmission Owner
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Joe DeLosa	DE Public Service Commission	Not Applicable
David Hastings	Dhast Co	Not Applicable
Marji Philips	Direct Energy Business, LLC	Other Supplier
Kyle Hannah	Dominion Virginia Power	Transmission Owner
Ryen Lawson	Dominion Virginia Power	Not Applicable
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Elizabeth Cook	Duquesne Light Company	Transmission Owner
Breanne Melius	Duquesne Light Company	Transmission Owner
Tonja Wicks	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
Tom Rutigliano	Earth Networks	Other Supplier
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Nathan Bradley	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
Lisa Szot	Enel Trading	Other Supplier
Bruce Campbell	EnergyConnect, Inc.	Other Supplier
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



# Draft Meeting Minutes

Christopher Nekolny	Exelon Generation Co., LLC	Generation Owner
Chad Singer	Fellon McCord	Not Applicable
Tom Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Juan Bueno	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner
Larre Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Travis Stewart	Gabel and Associates	Not Applicable
Donna Robichaud	Geenex	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
Rory Sweeney	GT Power Group	Not Applicable
Jeff Whitehead	GT Power Group	Not Applicable
Jim Nash	Hudson Transmission Partners, LLC	Other Supplier
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Mark Garza	Jersey Central Power & Light Company	Transmission Owner
Kent Chandler	Kentucky Government	Not Applicable
Sharon Segner	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
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
Rick Brophy	New York State Electric & Gas Corporation	Other Supplier
Stephen Gibelli	NextEra Energy Power Marketing, LLC	Generation Owner
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
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
Tom Schmidt	Ohio Electric Cooperatives	Not Applicable
Bill Squibb	Ohio Valley Electric	Generation Owner
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Bill Pezalla	Old Dominion Electric Cooperative	Electric Distributor
Mark Ringhausen	Old Dominion Electric Cooperative	Electric Distributor
Greg Carmean	OPSI	Not Applicable
Regina Carrado	PECO Energy Company	Transmission Owner
Douglas Dale	PECO Energy Company	Transmission Owner
Mike Donnelly	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Marj Garbini	PEPCO Holdings, Inc.	Transmission Owner
Patricia Kurowski	PEPCO Holdings, Inc.	Transmission Owner
Amber Young	PEPCO Holdings, Inc.	Not Applicable
David Anders	PJM Interconnection, LLC	Not Applicable
Fran Barrett	PJM Interconnection, LLC	Not Applicable
Madalyn Beban	PJM Interconnection, LLC	Not Applicable
Jerry Bell	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Matthew Bernstein	PJM Interconnection, LLC	Not Applicable
Murty Bhavaraju	PJM Interconnection, LLC	Not Applicable
Stu Bresler	PJM Interconnection, LLC	Not Applicable
Tim Burdis	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
Kyle Clifford	PJM Interconnection, LLC	Not Applicable
Jason Connell	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
Larry Farmer	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Denise Foster	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable



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Steve Herling	PJM Interconnection, LLC	Not Applicable
Risa Holland	PJM Interconnection, LLC	Not Applicable
Tim Horger	PJM Interconnection, LLC	Not Applicable
Eric Hsia	PJM Interconnection, LLC	Not Applicable
Srinivas Kappagantula	PJM Interconnection, LLC	Not Applicable
Bill Khashfe	PJM Interconnection, LLC	Not Applicable
Lisa Krizenoskas	PJM Interconnection, LLC	Not Applicable
Matt LaRocque	PJM Interconnection, LLC	Not Applicable
Brindavani Malladi	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Molly Mooney	PJM Interconnection, LLC	Not Applicable
Christopher Moran	PJM Interconnection, LLC	Not Applicable
Grace Niu	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
Nicole Scott	PJM Interconnection, LLC	Not Applicable
Jason Sexauer	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Susan Snyder	PJM Interconnection, LLC	Not Applicable
Michelle Souder	PJM Interconnection, LLC	Not Applicable
Dave Souder	PJM Interconnection, LLC	Not Applicable
Henry (Jack) Thomas	PJM Interconnection, LLC	Not Applicable
Joseph Tutino	PJM Interconnection, LLC	Not Applicable
Laura Walter	PJM Interconnection, LLC	Not Applicable
Michael Ward	PJM Interconnection, LLC	Not Applicable
Tao Yang	PJM Interconnection, LLC	Not Applicable
Phil Yum	PJM Interconnection, LLC	Not Applicable
Jared Anderson	Platts Megawatt Daily	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Orlando Marrero-Torres	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Phil Penny	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Cleveland Richards	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Amber Thomas	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Transmission Owner
Mohamed Zahidi	PSEG Energy Resources and Trade LLC	Transmission Owner
Daniel Hutt	Public Service Electric & Gas Company	Transmission Owner
Esam Khadr	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Richard Marinelli	Public Service Electric & Gas Company	Transmission Owner
Alex Stern	Public Service Electric & Gas Company	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Rollie Manganon	Rockland Electric Company	Transmission Owner
Brian O'Boyle	Rockland Electric Company	Transmission Owner
Christen Smith	RTO Insider	Not Applicable
Rich Heidorn	RTO Insider	Not Applicable
Jennifer Hohenshilt	Talen Energy Marketing, LLC	Generation Owner
Kenneth Folandare	Tangibl	Not Applicable
Edrissa Cham	Tradewind Energy, Inc.	Not Applicable
Pati Esposito-Hils	TransCanada Power Marketing Ltd.	Other Supplier
Eric Sorber	UGI Utilities, Inc.	Transmission Owner
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier
David Essah	Virginia State Corporation Commission	Not Applicable
Neil Joshipura	Virginia State Corporation Commission	Not Applicable
Ronnie Bailey	Virginia Electric & Power Company	Transmission Owner
Steve Chafin	Virginia Electric & Power Company	Transmission Owner
Craig Crider	Virginia Electric & Power Company	Transmission Owner
Christopher Mertz	Virginia Electric & Power Company	Transmission Owner
James Wilson	Wilson Energy Economics	Not Applicable

Author: Anisha Fernandes