

Planning Committee  
PJM Conference and Training Center  
January 11, 2018  
9:00 a.m. – 12:15 p.m. EPT

## Administration (9:00-9:15)

1. Mr. Paul McGlynn, PJM, called the meeting to order, reviewed the Anti-trust, Code of Conduct, media participation, and WebEx guidelines.
2. Mr. McGlynn asked Ms. Susan McGill to review the meeting minutes of the December 14, 2017 Planning Committee meeting. Mr. McGlynn asked the Planning Committee to approve the minutes. Alex Stern, PSE&G, made a motion to approve the minutes. Pulin Shah, Exelon, seconded this motion. In a voice vote, the Planning Committee approved the December 14, 2017 Planning Committee Minutes.
3. Mr. McGlynn announced the change in meeting time for all future Planning Committee meetings to 9:00am.
4. Mr. Steve Herling, PJM, announced organizational changes for the Planning division at PJM..

## Endorsement (9:15-9:45)

5. **Market Efficiency Problem Statement**  
Mr. Asanga Perera reviewed a problem statement related to market efficiency analysis procedures. PJM will update the Problem Statement to incorporate mid-cycle model changes as well as assumptions and acknowledge that all Phase 1 work that cannot be completed by the stated deadline will be completed during Phase 2. Jon Syner, FirstEnergy, made a motion to endorse the Problem Statement. Sharon Segner, LS Power, seconded this motion. **The Planning Committee voted by acclimation to endorse the Problem Statement, as amended. There were no objections or abstentions.**
6. **Manual 14F and Operating Agreement Changes for Cost Containment**  
Ms. Sue Glatz, PJM, presented changes to PJM Manual 14F (Competitive Planning Process) and the PJM Operating Agreement to incorporate changes regarding cost containment developed during the Special PC sessions. Alex Stern, PSE&G, made a motion to endorse the changes. John Syner, FirstEnergy, seconded this motion. **The Planning Committee voted by acclimation to endorse the changes. There were 83 votes in favor, 33 objections and 1 abstention.**

## First Reads (9:45-10:30)

7. **Manual 14A and Manual 14E Changes for New Service Request Study Methods**  
Mr. Ed Franks, PJM, presented changes to PJM Manual 14A (New Services Request Process) and PJM Manual 14E (Additional Information for Upgrade and Transmission Interconnection Projects). These changes correspond to the PJM OATT changes endorsed at the November 9<sup>th</sup> Planning Committee Meeting. The committee will be requested to endorse these changes at the next meeting.

## 8. Manual 02 Changes

Mr. Jeff McLaughlin, PJM, presented changes to PJM Manual 2 (Transmission Service Request). These changes correspond to the PJM OATT changes endorsed at the November 9<sup>th</sup> Planning Committee Meeting. The committee will be requested to endorse these changes at the next meeting.

## 9. Manual 14B Changes

Mr. Michael Herman, PJM, presented changes to PJM Manual 14B (Regional Transmission Planning Process) to clean up issues found during a periodic review. The committee will be requested to endorse these changes at the next meeting.

## 10. Designated Entity Design Standards Task Force Close Out

Mr. Michael Herman, PJM, presented the final report from the Task Force and an update charter to convert the Task Force to a Subcommittee that will meet every two years. The committee will be requested to endorse the subcommittee charter at the next meeting.

## Informational Updates (10:30-12:15)

### 11. Manual 14 Series Proposed Changes

Ms. Lisa Krizenoskas, PJM, presented initial changes to the PJM Manual 14 series to increase clarity when locating information related to the PJM New Services Request process.

### 12. RTEP 2018 Schedule Update

Mr. Alex Worcester, PJM, provided a status update regarding the 2018 series RTEP cases.

### 13. NERC and Regional Coordination Update

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

### 14. Transmission Expansion Advisory Committee (TEAC) Meeting

Mr. Mark Sims, PJM, discussed stakeholder feedback to the review process of the Regional and Local Plans, including those conducted at the TEAC and Sub-regional RTEP Committees. Members are encouraged to provide suggestions or comments through the Planning Community.

### 15. PJM External Capacity filing

Mr. Aaron Berner, PJM, discussed the addition of reviews required to permit external generation to participate in PJM's market as a Pseudo-Tied generator. The discussions centered around the addition of language to Manual 12 surrounding the review of planning studies conducted on external systems which must be conducted by entities other than PJM to complete the Pseudo-Tie certification.

## Future Meeting Dates

February 8, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
March 8, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
April 5, 2018	9:00 a.m.	PJM Conference & Training Center/ WebEx
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

## Attendance List

Paul McGlynn (Chair)	PJM Interconnection, LLC	Not Applicable
Susan McGill (Secretary)	PJM Interconnection, LLC	Not Applicable
Edward Achaab	AEP Energy Partners, Inc.	Other Supplier
Robert Cundiff	AEP Energy Partners, Inc.	Other Supplier
Aaron Kerr	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Nicolas Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Jerod Marker	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
J Moore	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Brian Swain	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, Inc.	Other Supplier
Lisa McAlister	American Municipal Power, Inc.	Electric Distributor
James Zweig	American Transmission Company, LLC	Transmission Owner
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	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
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Hugh Scott	Baltimore Gas and Electric Company	Transmission Owner
Diane Janicki	Boston Energy Trading & Marketing, LLC	Generation Owner
Raj Chintapalli	BP Energy Company	Other Supplier
Paul Steckley	Brookfield Energy Marketing, LP	Other Supplier
Josh Rawley	Burns McDonnell	Not Applicable
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Greg Poulos	CAPS	Not Applicable
Yan Du	Central Transmission, LLC	Transmission Owner
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
William Allen	Commonwealth Edison Company	Transmission Owner
Kevin Chamberlain	Commonwealth Edison Company	Transmission Owner
John Garavaglia	Commonwealth Edison Company	Transmission Owner
Thomas Leeming	Commonwealth Edison Company	Transmission Owner
Ronald Regner	Commonwealth Edison Company	Transmission Owner
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
Michael Russ	Dayton Power & Light Company (The)	Transmission Owner
Hertzel Shamash	Dayton Power & Light Company (The)	Transmission Owner
Joseph DeLosa	DE Public Service Commission	Not Applicable
Michael Natrin	Delmarva Power & Light Company	Electric Distributor
Marjorie Phillips	Direct Energy Business, LLC	Other Supplier
James Davis	Dominion Energy Marketing, Inc.	Generation Owner
Frank Zhang	Dominion Virginia Power	Transmission Owner
George Owens	Downes Associates, Inc.	Other Supplier
Greg Pakela	DTE Energy Trading, Inc.	Other Supplier
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
julie mason	Duke Energy Ohio, Inc.	Transmission Owner
Judy Stubbe	Duke Energy Ohio, Inc.	Transmission Owner
Chad Hirsh	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission Owner
Iker Chocarro Aguirrebengoa	E.ON Climate & Renewables North America, Inc.	Generation Owner
Darrin Adams	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  
 Bruce Campbell  
 Nick Gangi  
 Sharon Midgley  
 Melanie Sanders  
 Robert Taylor  
 Kevin Thundiyl  
 Pulin Shah  
 David Weaver  
 Roozbeh Shegarfi  
 Cody Adanitsch  
 Thomas Bainbridge  
 Martin Bolan  
 Lou D'Alessandris  
 Harkaran Grewal  
 Jacquelyn Lojek  
 Grant Marchewka  
 Jeff Stuchell  
 John Syner  
 Johnbinh Vu  
 Michael Borgatti  
 Rachel Hulett  
 Tom Hyzinski  
 Tom Shields  
 Randy Rismiller  
 Mike Gahimer  
 John Kopinski  
 Brenda Prokop  
 Robert Colozza  
 Sharon Segner  
 Ron Slagel  
 Morris Schreim  
 David Mabry  
 Christin Doman  
 John Dadourian  
 David Brown  
 Cynthia Holland  
 George Kogut  
 Stephen Gibelli  
 Amanda Mack  
 Gabriel Hollis  
 Frederico Von Pinho  
 James Manning  
 Miles Taylor  
 Neal Fitch  
 Yohannes Mariam  
 Tom Schmidt  
 Adrien Ford  
 Marian Kimball  
 William Pezalla  
 James Wright  
 Gregory Carmean  
 J Earl Coffman  
 Douglas Dale  
 Mike Donnelly  
 Patricia Kurowski  
 Amber Young  
 David Anders  
 Aaron Berner  
 Donnie Bielak  
 Mike Bryson  
 Tim Burdis  
 Kyle Clifford  
 Ilyana Dropkin  
 Janell Fabiano  
 Tom Falin

EDP Renewables North America, LLC  
 EnergyConnect, Inc.  
 Eversource Energy  
 Exelon Business Services Company, LLC  
 Exelon Business Services Company, LLC  
 Exelon Business Services Company, LLC  
 Exelon Business Services Company, LLC  
 Exelon Corporation  
 Exelon Corporation  
 Exelon Generation Co., LLC  
 FirstEnergy Solutions Corp.  
 FirstEnergy Solutions Corp.  
 FirstEnergy Solutions Corp.  
 FirstEnergy Solutions Corp.  
 FirstEnergy Solutions Corp.  
 FirstEnergy Solutions Corp.  
 FirstEnergy Solutions Corp.  
 Florida Power & Light Company  
 Gabel and Associates  
 Gridliance, GP, LLC  
 GT Power Group  
 IBERDROLA RENEWABLES, LLC  
 Illinois Commerce Commission  
 IN Office of Utility Consumer Counselor  
 ITC Mid-Atlantic Development LLC  
 ITC Mid-Atlantic Development LLC  
 LS Power Transmission, LLC  
 LS Power Transmission, LLC  
 Market Interconnection  
 Maryland Public Service Commission  
 McNeese Wallace & Nurick LLC  
 Mitsubishi Electric Power Products Inc.  
 Monitoring Analytics, LLC  
 New Jersey Board of Public Utilities  
 New Jersey Board of Public Utilities  
 New York Power Authority  
 NextEra Energy Power Marketing, LLC  
 NextEra Energy Power Marketing, LLC  
 NextEra Energy Transmission, LLC  
 NextEra Energy Transmission, LLC  
 North Carolina Electric Membership Corporation  
 Northern Indiana Public Service Company  
 NRG Power Marketing LLC  
 Office of the Peoples Counsel for the District of Columbia  
 Ohio Electric Cooperatives  
 Old Dominion Electric Cooperative  
 Old Dominion Electric Cooperative  
 Old Dominion Electric Cooperative  
 Old Dominion Electric Cooperative  
 OPSI  
 PECO Energy Company  
 PECO Energy Company  
 PECO Energy Company  
 PEPCO Holdings, Inc.  
 PEPCO Holdings, Inc.  
 PJM Interconnection, LLC  
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 PJM Interconnection, LLC

Other Supplier  
 Other Supplier  
 Not Applicable  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Generation Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Transmission Owner  
 Other Supplier  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Generation Owner  
 Not Applicable  
 End User Customer  
 Other Supplier  
 Other Supplier  
 Transmission Owner  
 Transmission Owner  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Not Applicable  
 Other Supplier  
 Generation Owner  
 Generation Owner  
 Other Supplier  
 Other Supplier  
 Electric Distributor  
 Other Supplier  
 Generation Owner  
 End User Customer  
 Not Applicable  
 Electric Distributor  
 Electric Distributor  
 Electric Distributor  
 Electric Distributor  
 Electric Distributor  
 Not Applicable  
 Transmission Owner  
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# Draft Meeting Minutes

Larry Farmer	PJM Interconnection, LLC	Not Applicable
Anisha Fernandes	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Edmund Franks	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
James Glennon	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Joe Hay	PJM Interconnection, LLC	Not Applicable
Steve Herling	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Dana Hiser	PJM Interconnection, LLC	Not Applicable
Kendra King	PJM Interconnection, LLC	Not Applicable
Lisa Krizenoskas	PJM Interconnection, LLC	Not Applicable
Peter Lamaina	PJM Interconnection, LLC	Not Applicable
Matthew LaRocque	PJM Interconnection, LLC	Not Applicable
Chuck Liebold	PJM Interconnection, LLC	Not Applicable
Amanda Long	PJM Interconnection, LLC	Not Applicable
Lagy Mathew	PJM Interconnection, LLC	Not Applicable
Erich Mauroschadt	PJM Interconnection, LLC	Not Applicable
Jeffrey McLaughlin	PJM Interconnection, LLC	Not Applicable
Nicole Miliello	PJM Interconnection, LLC	Not Applicable
Emma Nix	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Ken Seiler	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Lauren Strella	PJM Interconnection, LLC	Not Applicable
Jonathan Thompson	PJM Interconnection, LLC	Not Applicable
Preston Walker	PJM Interconnection, LLC	Not Applicable
Alex Worcester	PJM Interconnection, LLC	Not Applicable
Tao Yang	PJM Interconnection, LLC	Not Applicable
Phil Yum	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	Transmission Owner
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Chip Richardson	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
James Stover	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Christopher Szmodis	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Other Supplier
William Lavista	PSEG Energy Resources and Trade LLC	Transmission Owner
Mohamed Zahidi	PSEG Energy Resources and Trade LLC	Transmission Owner
Adrian Newall	PSEG Services	Transmission Owner
Ricardo Galarza	PSM Consulting	Not Applicable
Qamar Arsalan	Public Service Electric & Gas Company	Transmission Owner
James Cristlia	Public Service Electric & Gas Company	Transmission Owner
Joseph DiBartolomeo	Public Service Electric & Gas Company	Transmission Owner
Daniel Hutt	Public Service Electric & Gas Company	Transmission Owner
Jason Kalwa	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Rich Marinelli	Public Service Electric & Gas Company	Transmission Owner
Jerry Martinez	Public Service Electric & Gas Company	Transmission Owner
John Nagurney	Public Service Electric & Gas Company	Transmission Owner
Bryan Sock	Public Service Electric & Gas Company	Transmission Owner
Alexander Stern	Public Service Electric & Gas Company	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable
Ray MASON	ReliabilityFirst Corporation	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Roleto Mangonon	Rockland Electric Company	Transmission Owner
Brian O'Boyle	Rockland Electric Company	TO
Suzanne Herel	RTO Insider	Not Applicable
Jenny Erwin	Smart Wire Grid, Inc.	Not Applicable
Todd Ryan	Smart Wire Grid, Inc.	Not Applicable
Stephanie Tsao	SPGlobal	Not Applicable
David Essah	State Corporation Commission, Virginia	Not Applicable
Kenneth Foladare	Tangibl	Not Applicable



# Draft Meeting Minutes

Cynthia Kinser  
Weili Yi  
Syed Ahmad  
John Sillin  
edrissa cham  
Adam Weber  
Ronnie Bailey  
Craig Crider  
James Wilson  
Wade Gobrecht  
Frank Koza

Author: Susan McGill

Tennessee Department of Agriculture  
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  
Wilson Energy Economics  
York County Planning Commission

Not Applicable  
Not Applicable  
Not Applicable  
Not Applicable  
Not Applicable  
Other Supplier  
Transmission Owner  
Transmission Owner  
Not Applicable  
  
Not Applicable