

Planning Committee  
PJM Conference and Training Center, Audubon, PA  
February 9, 2017

## Administration

1. Mr. Steve Herling, PJM, called the meeting to order. A short discussion took place regarding the PJM Tech Change Forum and potential changes to www.PJM.com on the Planning webpages. An update will be brought to the Planning Committee in the very near future. There was also a short discussion concerning the TRPSTF (Transmission Replacement Processes Senior Task Force), a more formal update will be brought to the Planning Committee in the March or April timeframe. Mr. Herling also announced that PJM would be providing an update on the Winter Season Resource Adequacy and Capacity Requirements at the March Planning Committee meeting.
2. Mr. Herling asked Ms. Bridgid Cummings to review the meeting minutes of the January 12, 2017 Planning Committee meeting. The Planning Committee approved the January 12, 2017 Planning Committee Minutes by acclamation.

## Endorsements/Approvals

### 3. Manual 22 Updates

Mr. Jerry Bell, PJM, presented administrative updates to Manual 22 (Generator Resource Performance Indices). These changes, if approved at the Markets & Reliability Committee will be effective April 1, 2017. The Planning Committee used a vote by acclamation with no abstentions and no objections. **The Planning Committee endorsed these changes to Manual 22**

### 4. Sunset the Earlier Queue Submittal Task Force (EQSTF)

Mr. Andrew Gledhill, PJM, discussed sun-setting the Earlier Queue Submittal Task Force (EQSTF). Requests were made for continued updates on the effectiveness of the changes made as part of the recommendations of the EQSTF. PJM confirmed that updates would be conducted as work progresses. The Planning Committee used a vote by acclamation with no abstentions and no objections. **The Planning Committee approved sun-setting of the EQSTF.**

### 5. Transmission Substation Equipment in FERC Order 1000

Mr. Mark Sims, PJM, discussed Regional Transmission Expansion Plan (RTEP) process enhancements related to the treatment of transmission substation equipment in PJM FERC Order 1000 Proposal Windows. Mr. Sims presented PJM Operating Agreement revisions to implement the proposed changes. The Planning Committee used a vote by acclamation with no abstentions and no objections. **The Planning Committee endorsed the PJM Operating Agreement revisions related to the treatment of transmission substation equipment in PJM FERC Order 1000 Proposal Windows.**

## Informational Updates

### 6. Calculation of Incremental Auction Revenue Rights for RTEP Upgrades

Mr. Asanga Perera, PJM, provided an update on the calculation of Incremental Auction Revenue Rights for upgrades in the Regional Transmission Expansion Plan 2017/2018 planning year.

### 7. NERC/RRO 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 February 9<sup>th</sup> Planning Committee Material at the [Planning Committee Website](#). You can also reach out to Preston at [Preston.Walker@pjm.com](mailto:Preston.Walker@pjm.com) if there are any further questions.

### 8. Regional Transmission Expansion Plan (RTEP) Case Updates

Mr. Jonathan Thompson, PJM, provided an update on the Regional Transmission Expansion Plan (RTEP) base case build schedule. The Modeling and Support group will continue to coordinate with the Transmission Planning group to fully vet cases and incorporate updates. Short Circuit case initial results will be distributed around February 24<sup>th</sup>. In regards to MOD-032, updates to the MOD-032 document will be brought to the Planning Committee in March. The MMWG (Multiregional Modeling Working Group) will be having its kickoff call on February 23, 2017 at 9AM.

### 9. TEAC Redesign and RTEP Structure and Timing

Ms. Natalie Tacka, PJM, provided an update on the work being done in special sessions of the Planning Committee related to the TEAC (Transmission Expansion Advisory Committee (TEAC) Redesign. The goals of the redesign are to increase transparency, facilitate easier and more immediate communication, and to create additional resources for members. The current goal is to go live with this new community tool in the fourth quarter of 2017, however PJM values input from its stakeholders and will work with members through the Planning Committee to implement this new tool.

Ms. Melissa Maxell, PJM, provided an update on the work being done in special sessions of the Planning Committee related to RTEP (Regional Transmission Expansion Plan) Structure and Timing. The focus is limited to the current 12-month RTEP Cycle with a proposal to modify the cycle to an 18 month cycle. The goal is to implement these changes in time for the 2018 RTEP Planning Cycle, roughly September 2017. PJM welcomes feedback on this proposal and will continue to bring updates to the Planning Committee.

### 10. PPL SPS Removal

Mr. Shadab Ali, PPL, presented background on the Jenkins SPS (Special Protection Scheme), as well as the reasons for the removal of the Jenkins SPS.

## Informational Section

### DEDSTF Update

The Designated Entity Design Standards Task Force (DEDSTF) last met on 1/24/2017. At that meeting the three sub groups (Substations, lines and protection) continued discussions on the organization/development of the Design Standards as well as the process of reviewing the existing materials. The DEDSTF expects to bring a first draft of the minimum requirements document to the March or April PC meeting. The next meeting of the DEDSTF is 2/16/2017, all registrations are available on the [DEDSTF website](#).

### Order 1000 Update

A Special PC Session on Order 1000 was held on January 13<sup>th</sup>. An additional session is scheduled for February 10, 2017 (9am – 12 Noon). The focus of the upcoming session is the review of the draft Manual 14F on Competitive Planning Processes.

### Tie Line Process

In order to address concerns with obtaining important tie line information for modeling, PJM will update the Manual 3A with the operational requirements previously discussed with draft M14C tie line changes. The preferred timeline for submittal of the wires-to-wires agreement will not be incorporated into the PJM manuals as the FERC rules already address the filing requirements. Therefore, changes to M14C previously discussed will not be necessary, as the operational requirements will be covered in M3A.

## Future Meeting Dates

March 9, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
April 13, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
May 4, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
June 8, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
July 13, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
August 10, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
September 14, 2017	9:30 a.m.	Planning Committee	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
Steve Herling (Chair)	PJM Interconnection, LLC	Not Applicable
Bridgid Cummings (Secretary)	PJM Interconnection, LLC	Not Applicable
Nicolas Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Edward Tatum	American Municipal Power, Inc.	Electric Distributor
Dale Burmester	American Transmission Systems, Inc.	Transmission Owner
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Jim Zweig	American Transmission Systems, Inc.	Transmission Owner

Brock Ondayko	Appalachain Power Company	Transmission Owner
Evan Wilcox	Appalachain Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Markian Melnyk	Atlantic Grid Operations A, LLC	Other Supplier
Chukwuemeka Igwilo	Baltimore Gas and Electric Company	Transmission Owner
Sanmi Kalesanwo	Baltimore Gas and Electric Company	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Ron Pezon	Borough of Chambersburg	Electric Distributor
Tony Lopez-Lopez	Bryndan Associates, Inc.	Not Applicable
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Michael Natrin	Carroll County Energy LLC	Other Supplier
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Ronald Regner	Commonwealth Edison Company	Transmission Owner
Diana McNally-Barsotti	Consolidated Edison	Other Supplier
Dan Griffiths	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
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Mike Hurd	Dayton Power & Light Company (The)	Transmission Owner
Michael Russ	Dayton Power & Light Company (The)	Transmission Owner
Joseph DeLosa	DE Public Service Commission	Not Applicable
John Farber	DE Public Service Commission	Not Applicable
Craig Crider	Dominion Virginia Power	Transmission Owner
Frank Zhang	Dominion Virginia Power	Transmission Owner
George Owens	Downes Associates, Inc.	Other Supplier
Gregory Pakela	DTE Energy Trading, Inc.	Other Supplier
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Chad Hirsh	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission Owner
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	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
Kevin Kilgallen	Emerald Energy Consulting, LLC	Not Applicable
Nick Gangi	Eversource Energy	Not Applicable
Melanie Sanders	Exelon Business Services Company, LLC	Transmission Owner
Sharon Midgley	Exelon Generation Co., LLC	Generation Owner
Aasawari Pawar	First Solar	Not Applicable
Thomas Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner

Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
John Syner	FirstEnergy Solutions Corp.	Transmission Owner
Gabriella Hudis	Gabel and Associates	Not Applicable
Rachel Hulett	Gridliance, GP, LLC	Not Applicable
Derek Hagaman	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Joe Staszowski	ISO New England	Not Applicable
Brenda Prokop	ITC Interconnect	Transmission Owner
Robert O'Connell	Main Line Electricity Market Consultants	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
David Davis	NextEra Energy Power Marketing, LLC	Generation Owner
Mason Emmett	NextEra Energy Power Marketing, LLC	Generation Owner
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Gabriel Hollis	Nextera Energy, Inc	Other Supplier
Shaun Moran	NiSource Inc	Not Applicable
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
Yohannes Mariam	Office of the Peoples Counsel for the D.C.	End User Customer
John Donelson	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
J Earl Coffman	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
Gloria Godson	PEPCO Holdings, Inc.	Transmission Owner
Fran Barrett	PJM Interconnection, LLC	Not Applicable
Jerry Bell	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Mike Bryson	PJM Interconnection, LLC	Not Applicable
Christina Catalano	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Mary Ellen Driscoll	PJM Interconnection, LLC	Not Applicable
Tom Falin	PJM Interconnection, LLC	Not Applicable
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Tim Horger	PJM Interconnection, LLC	Not Applicable
Frank Koza Jr.	PJM Interconnection, LLC	Not Applicable
Erich Mauroschadt	PJM Interconnection, LLC	Not Applicable
Melissa Maxwell	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Medha Pai	PJM Interconnection, LLC	Not Applicable





# Draft Minutes

Asanga Perera	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Alexandra Scheirer	PJM Interconnection, LLC	Not Applicable
Ken Seiler	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Natalie Tacka	PJM Interconnection, LLC	Not Applicable
Jonathan Thompson	PJM Interconnection, LLC	Not Applicable
Preston Walker	PJM Interconnection, LLC	Not Applicable
Glenn Weiss	PJM Interconnection, LLC	Not Applicable
Xu Xu	PJM Interconnection, LLC	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Kriti Dawadi	PSEG Energy Resources and Trade LLC	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Transmission Owner
William Lavista	PSEG Energy Resources and Trade LLC	Transmission Owner
Mark Marsan	PSEG Energy Resources and Trade LLC	Transmission Owner
Mohamed Zahidi	PSEG Energy Resources and Trade LLC	Transmission Owner
James Calore	Public Service Electric & Gas Company	Transmission Owner
James Caristia	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	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
Chandana Bommarreddy	Quanta Technology	Not Applicable
Roleto Mangonon	Rockland Electric Company	Transmission Owner
Rory Sweeney	RTO Insider	Not Applicable
Kyo Kelly	Southern Company Services	Other Supplier
Jennifer Hohenshilt	Talen Energy Marketing, LLC	Generation Owner
Tom Hyzinski	Talen Energy Marketing, LLC	Generation Owner
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
John Sillin	The Federal Energy Regulatory Commission	Not Applicable
Eric Sorber	UGI Utilities, Inc.	Transmission Owner
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier