

Planning Committee
PJM Conference and Training Center, Audubon, PA
January 12, 2017

Administration

1. Mr. Steve Herling, PJM, called the meeting to order and asked if the Planning Committee had any additional items for the agenda. There were no suggestions for additional agenda items.
2. Mr. Herling asked Ms. Bridgid Cummings to review the meeting minutes of the December 15, 2016 Planning Committee meeting. One request was made to clarify when PJM would be providing an Update on the Winter Season Resource Adequacy and Capacity Requirements to the Planning Committee, this change was made to the final minutes. Mr. Herling 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 December 15, 2016 Planning Committee Minutes.

Endorsements/Approvals

3. **Transmission and Substation Subcommittee (TSS) Charter Revisions**

Mr. Jay Liu, TSS Secretary, presented modifications to the TSS Charter regarding EHV/Bulk Equipment Record and the bulk transformer failure tracking sheet. Mr. Dave Pratzon made a motion to endorse and Mr. Dave Scarpignato seconded the motion, there were no objections and no abstentions. **In a voice vote, the Planning Committee endorsed this change for the TSS Charter.**

First Readings

4. **Manual 22 Updates**

Mr. Jerry Bell, PJM, presented administrative updates to Manual 22 (Generator Resource Performance Indices). Redline changes to sections 1, 2, and 3 were discussed. This will be brought to the next Planning Committee meeting for endorsement.

5. **Sunset the Earlier Queue Submittal Task Force (EQSTF)**

Mr. Andrew Gledhill, PJM, provided a summary of the history and accomplishments of the EQSTF. The changes which were recommended by the task force received approvals from the Planning Committee, Markets and Reliability Committee, Members Committee, and the FERC. These changes have been effective as of November 1, 2016. The final report for the EQSTF is available under the January 12 Planning Committee materials at the [Planning Committee Website](#). This will be brought to the next Planning Committee meeting for endorsement.

6. **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 also presented PJM Operating Agreement revisions to implement the proposed changes. Members are strongly encouraged to reach out to Mr. Sims at RTEP@pjm.com with comments or questions as soon as possible. The committee will be asked to endorse the proposed revisions at its next meeting.

Informational Updates

7. NERC/RRO Update

Mr. Mark Kuras, PJM, provided an update on recent NERC activities and PJM compliance activities. NERC standards subject to future enforcement can be found under the January 12 Planning Committee Material at the [Planning Committee Website](#).

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

Mr. Jonathan Thompson, PJM, provided an update regarding RTEP and MMWG dynamics Case Updates. Final MMWG dynamic cases will be posted January 18th, 2017, and Frequency Response cases to be posted January 30th. RTEP Trial 3 cases have been distributed for final review, responses are requested by January 13th, 2017. Responses for single element derates are requested by January 20th, 2017. PJM is targeting the end of January to distribute a draft 2022 short circuit case.

9. PJM Interconnection Queue Status Update

Mr. Dave Egan, PJM, provided an update on the status of PJM Interconnection Queues. Mr. Egan provided several graphical representations of the status of the Interconnection Queues. He noted that approximately two-thirds of projects that enter the queue, do so within the last month of the deadline. The full deck of graphs are available under the January 12 Planning Committee materials at the [Planning Committee Website](#).

10. Generator Interconnection

Mr. Aaron Berner, PJM, reviewed the recently issued [Notice of Proposed Rule Making \(NOPR\)](#) regarding generator interconnection. The NOPR was issued December 15th, 2016, once it is published in the Federal Register, PJM will be required to respond within 60 days. The categories of reform are focused on three main areas: improving certainty in the interconnection process; improving transparency by providing more information to interconnection customers; and enhancing interconnection processes. Each of the three categories was discussed in more detail and a summary is available under Item 10 in the January 12 Planning Committee materials at the [Planning Committee Website](#).

11. Dominion Temporary Remedial Action Scheme (RAS)

Mr. Ronnie Bailey, Dominion, reviewed a temporary RAS in the Dominion Transmission Zone to address issues related to the retirement of the Yorktown 1&2 generators. Mr. Bailey explained that the RAS is a stop-gap measure and that Dominion and PJM continue to work together closely to implement the approved long term solution.

Informational Section

DEDSTF Update

The Designated Entity Design Standards Task Force (DEDSTF) last met on 12/12/2016. 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. Michael Herman gave an update to the Planning Committee on December 15th, indicating that the major assignments of the DEDSTF would be presented to the Planning Committee in the first or second quarter of 2017. The next meeting of the DEDSTF is 1/24/2017, all registrations are available on the DEDSTF website.

Order 1000 Update

A Special PC Sessions on Order 1000 was held on December 8. An additional session is scheduled for January 13, 2017 (9am – 12 Noon). The focus at these sessions is the following: (1) TEAC Redesign and (2) RTEP Schedule. The Market Efficiency Project Selection Guidelines were endorsed by the Planning Committee at its December meeting.

Future Meeting Dates

February 9, 2017	9:30 a.m.	Planning Committee	PJM Conference and Training Center, Audubon, PA
February 10, 2017	9:00 a. m.	Special PC Session: TEAC Redesign and RTEP Cycle	PJM Conference and Training Center, Audubon, PA
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
Edward Tatum	American Municipal Power, Inc.	Electric Distributor
Dale Burmester	American Transmission Systems, Inc.	Transmission Owner
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
David Bates	American Transmission Systems, Inc.	Transmission Owner
Jim Zweig	American Transmission Systems, Inc.	Transmission Owner
RJ Cundiff	Appalachain Power Company	Transmission Owner
Brock Ondayko	Appalachain Power Company	Transmission Owner
Kevin Patten	Appalachain Power Company	Transmission Owner
Eric Swanger	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
Hugh Scott	Baltimore Gas and Electric Company	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
James Jablonski	Borough of Butler, Butler Electric Division	Electric Distributor
Ron Pezon	Borough of Chambersburg	Electric Distributor
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Tom Hoatson	Carroll County Energy LLC	Other Supplier
Michael Natrin	Carroll County Energy LLC	Other Supplier
jm@cci.com	Castleton Commodities International LLC	Not Applicable
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
William Allen	Commonwealth Edison Company	Transmission Owner
John Garavaglia	Commonwealth Edison Company	Transmission Owner
Kevin Happ	Commonwealth Edison Company	Transmission Owner
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
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
John Farber	DE Public Service Commission	Not Applicable
Jaclyn Cantler	Delmarva Power & Light Company	Electric Distributor
David Hastings	Dhast Co	Not Applicable
Ronnie Bailey	Dominion Virginia Power	Transmission Owner
Craig Crider	Dominion Virginia Power	Transmission Owner
Kyle Hannah	Dominion Virginia Power	Transmission Owner
Randi Heise	Dominion Virginia Power	Transmission Owner
Gregory Pakela	DTE Energy Trading, Inc.	Other Supplier
Bob Burner	Duke Energy Business Services LLC	Transmission Owner
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Elizabeth Cook	Duquesne Light Company	Transmission Owner
Chad Hirsh	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission Owner
Patrick Grau	Dynegy Marketing and Trade, LLC	Generation Owner
Thomas 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

Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Not Applicable
Nick Gangi	Eversource Energy	Not Applicable
Melanie Sanders	Exelon Business Services Company, LLC	Transmission Owner
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Sharon Midgley	Exelon Generation Co., LLC	Generation Owner
Roozbeh Shegarfi	Exelon Generation Co., LLC	Generation Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Jonathan Loesch	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
John Syner	FirstEnergy Solutions Corp.	Transmission Owner
Michael Borgatti	Gabel and Associates	Not Applicable
Travis Stewart	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
Kenneth Foladare	IMG Midstream LLC	Generation Owner
Joe Staszowski	ISO New England	Not Applicable
Brenda Prokop	ITC Mid-Atlantic Development LLC	Other Supplier
John Seelke	LS Power Transmission, LLC	Transmission Owner
Robert O'Connell	Main Line Electricity Market Consultants	Not Applicable
Heather Thomson	Marec	Not Applicable
Morris Schreim	Maryland Public Service Commission	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
Douglas Dickson	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
David Davis	NextEra Energy Power Marketing, LLC	Generation Owner
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
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
Mike Donnelly	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Dhruv Acharya	PEPCO Holdings, Inc.	Transmission Owner
Gloria Godson	PEPCO Holdings, Inc.	Transmission Owner
Patricia Kurowski	PEPCO Holdings, Inc.	Transmission Owner
Ray Rouault	PEPCO Holdings, Inc.	Transmission Owner
Amber Young	PEPCO Holdings, Inc.	Transmission Owner
Dave Anders	PJM Interconnection, LLC	Not Applicable
Jerry Bell	PJM Interconnection, LLC	Not Applicable

Aaron Berner	PJM Interconnection, LLC	Not Applicable
Rich Brown	PJM Interconnection, LLC	Not Applicable
Kyle Clifford	PJM Interconnection, LLC	Not Applicable
Phil D'Antonio	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
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Jeremy Lin	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Jeff Palermo	PJP Consulting	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Michele Greening	PPL Electric Utilities Corp. dba PPL Utilities	Generation Owner
Laura Lehmann	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Kriti Dawadi	PSEG Energy Resources and Trade LLC	Transmission Owner
Sam Giordano	PSEG Energy Resources and Trade LLC	Transmission Owner
William Lavista	PSEG Energy Resources and Trade LLC	Transmission Owner
Richard Wernsing	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
Esam Khadr	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Greg Player	Public Service Electric & Gas Company	Transmission Owner
Alexander Stern	Public Service Electric & Gas Company	Transmission Owner
Glenn Catenacci	Public Service Electric and Gas	Transmission Owner
Ray Mason	Reliability First	Not Applicable
Roleto Mangonon	Rockland Electric Company	Transmission Owner
Rory Sweeney	RTO Insider	Not Applicable
Stephanie Tsao	S&P Global Market Intelligence	Not Applicable
Gerry Binder	SESCO Enterprises LLC	Other Supplier
Andy Peebles	Shell Energy North America (US), LP	Other Supplier
Jennifer Hohenshilt	Talen Energy Marketing, LLC	Generation Owner
Tom Hyzinski	Talen Energy Marketing, LLC	Generation Owner
Mark Brozina	Tangibl LLC	Not Applicable
Brad Heisey	Tenaska Power Services Co	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



Draft Minutes

Adam Weber
Ron Slagel
Peter Nedwick

Union Electric Company d/b/a Ameren Missouri
Unknown
Virginia Electric & Power Company

Other Supplier
Unknown
Transmission Owner