

Planning Committee
PJM Conference and Training Center, Audubon, PA
May 4, 2017

Administration

1. Mr. Steve Herling, PJM, called the meeting to order and reviewed the Code of Conduct and Anti-Trust. Mr. Mark Sims reviewed the CETL Discussion Timeline for the upcoming MIC and PC meetings.
2. Mr. Herling asked Ms. Bridgid Cummings to review the meeting minutes of the April 13, 2017 Planning Committee meeting. Mr. Herling asked the Planning Committee to approve the minutes. Mr. Carl Johnson made a motion to approve the minutes. Mr. Steve Lieberman seconded the motion. In a voice vote, the Planning Committee approved the April 13, 2017 Planning Committee Minutes.

Endorsements

3. **PJM Manual 14A Updates and Tariff Updates**

Mr. Aaron Berner, PJM, presented updates to Manual 14A: Generation and Transmission Interconnection Process and the Tariff related to less than \$5 million cost allocation and the alternate queue. The proposed language seeks to remove alternate queue screening. It also has proposed language to evaluate the need for reinforcements with first request to cause the need for a reinforcement to be allocated 100% of the cost of the upgrade. Mr. Barry Trayers made a motion to endorse and Mr. Dave Pratzon seconded the motion, there were no objections and no abstentions. **In a voice vote, the Planning Committee endorsed the updates to Manual 14A and the Tariff.**

First Readings

4. **PJM Manual 14F**

Mr. Michael Herman, PJM, reviewed the proposed draft of Manual 14F: PJM Competitive Planning Process Manual. Significant changes were made to previous first readings of this manual and members are strongly encouraged to provide feedback prior to the May MRC meeting. Please provide feedback to Michael.Herman@pjm.com. This will be brought to the next Planning Committee meeting for endorsement.

5. **Designated Entity Design Standards Task Force**

Mr. Herman, PJM, presented a summary of the compilation of the documents written as part of the efforts of the Designated Entity Design Standards Task Force. These requirements developed by the DEDSTF will be applicable to all proposals that require the signing of a Designated Entity Agreement (DEA). These documents will be brought to the next Planning Committee meeting for endorsement.

6. **PJM Manual 14C**

Ms. Suzanne Glatz, PJM, presented updates to Manual 14C: Generation and Transmission Interconnection Facility Construction. The updates are to align the manual language with the work being completed through the Designated Entity Design Standards Task Force. The committee will be asked to endorse these updates at its next meeting.

7. **IRM Study Assumptions Letter**

Mr. Jason Quevada, PJM, presented the assumptions for the 2017 Reserve Requirement Study (RRS) to establish the initial Installed Reserve Margin and Forecast Pool Requirement for the 2012/2022 Delivery Year. The committee will be asked to endorse these assumptions at its next meeting.

8. **PJM Manual 20**

Mr. Patricio Rocha-Garrido, PJM, presented redline changes to Manual 20: PJM Resource Adequacy Analysis. The redline changes are specific to language describing Zonal and Global Locational Deliverability Areas for CETO calculations. The committee will be asked to endorse these updates at its next meeting.

Informational Updates

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

Mr. Tom Falin, PJM, provided an update on studies conducted related to the MRC problem statement regarding winter season resource adequacy and capacity requirements. The discussion will continue at the Resource Adequacy Analysis Subcommittee on May 30, 2017.

10. **RTEP Proposal Window Update**

Mr. Herman, PJM, presented an overview of the 2017 RTEP Proposal Window implementation and communication enhancements. Members are encouraged to review the material for email addresses and other communication requests. The slides are available on the [PC Website](#) under the May 4, 2017 meeting materials.

11. **Multiregional Modeling Working Group and MOD-032 Update**

Ms. Amber Thomas, PJM, provided an update on the Gen Model and the MMWG case build due dates. The 2017 MMWG case build schedule has been posted. Please refer to the presentation material available on the [PC Website](#) under Item 11 in the May 4th meeting materials.

12. **PJM Interconnection Queue Status Update**

Ms. Lisa Krizenoskas, PJM, provided an update of the status of the PJM interconnection queues, reviewed trends in the request types, and showed the customers response to the implementation

of the Earlier Queue Submittal Task Force recommendations in the AC2 queue. This update included charts and graphs depicting MW generation values that have entered the queue in recent months by fuel type as well as the progression of generation through the study process on to agreement and in-service. The full deck of slides is available on the [PC Website](#) under the May 4 meeting materials.

13. 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 May 4th Planning Committee Material at the [PC Website](#). You can also reach out to Preston at Preston.Walker@pjm.com if there are any further questions.

14. PECO Remedial Action Scheme Retirement

Mr. Doug Dale, PECO, presented materials regarding the retirement of a Remedial Action Scheme at Linwood.

Informational Section

CETL Calculation Discussion Timeline

Slides are available under the May 4, 2017 Planning Committee materials which outline the anticipated schedule for discussions regarding the CETL Calculations.

Future Meeting Dates

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
Attendees	Company	Sector
Rukiye Altun	ABB	Not Applicable
Nicolas Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Chris Norton	American Municipal Power, Inc.	Electric Distributor
Edward Tatum	American Municipal Power, Inc.	Electric Distributor
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Jim Zweig	American Transmission Systems, Inc.	Transmission Owner
RJ Cundiff	Appalachain Power Company	Transmission Owner

Adam Hickman	Appalachain Power Company	Transmission Owner
Brock Ondayko	Appalachain Power Company	Transmission Owner
Kevin Patten	Appalachain Power Company	Transmission Owner
Evan Wilcox	Appalachain Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Hugh Scott	Baltimore Gas and Electric Company	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Alice Wolfe	Blue Ridge Power Agency	Electric Distributor
James Jablonski	Borough of Butler, Butler Electric Division	Electric Distributor
Ron Pezon	Borough of Chambersburg	Electric Distributor
Brian Vayda	Borough of Park Ridge	Electric Distributor
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
Tony Lopez-Lopez	Bryndan Associates, Inc.	Not Applicable
Tom Hoatson	Carroll County Energy LLC	Other Supplier
Michael Natrin	Carroll County Energy LLC	Other Supplier
Yan Du	Central Transmission, LLC	Transmission Owner
Barry Trayers	Citigroup Energy, Inc.	Other Supplier
Paul Mills	Commonwealth Edison Company	Transmission Owner
Diana McNally-Barsotti	Consolidated Edison	Other Supplier
Dan Griffiths	Consumer Advocates of PJM States	Not Applicable
Greg Poulos	Consumer Advocates of PJM States	Not Applicable
Sandeep Baidwan	Continuum Associates, LLC	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
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
Ruth Ann Price	Division of the Public Advocate of the State of Delaware	Other Supplier
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
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
Judy Stubbe	Duke Energy Ohio, Inc.	Transmission Owner
Steve Abate	Duquesne Light Company	Transmission Owner
Chad Hirsh	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission Owner
Iker Chocarro	E.on Climate & Renewables North America, Inc	Generation Owner
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Nathan Bradley	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
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Not Applicable
Gina Jardot	Essential Power, LLC	Generation Owner
Pablo Ovando	Exelon Business Services Company, LLC	Transmission Owner
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Jeffrey Yuknis	Exelon Business Services Company, LLC	Transmission Owner
Thomas Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Martin Bolan	FirstEnergy Solutions Corp.	Transmission Owner
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
John Syner	FirstEnergy Solutions Corp.	Transmission Owner
Travis Stewart	Gabel and Associates	Not Applicable
Derek Hagaman	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Jim Nash	Hudson Transmission Partners, LLC	Other Supplier
Bob Thomas	Illinois Municipal Electric Agency	Electric Distributor
Kenneth Foladare	IMG Midstream LLC	Generation Owner
Joe Staszowski	ISO New England	Not Applicable
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Ryan Thompson	Kinect Energy	Not Applicable
Rehan Gilani	Leidos	Not Applicable
John Seelke	LS Power Transmission, LLC	Transmission Owner
Megan Wisersky	Madison Gas and Electric	Other Supplier
Robert O'Connell	Main Line Electricity Market Consultants	Not Applicable
Heather Thomson	Marec	Not Applicable
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	Not Applicable
Douglas Dickson	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Gabriel Hollis	Nextera Energy, Inc	Other Supplier
Jung Suh	Noble Americas Energy Solutions LLC	Other Supplier
James Manning	North Carolina Electric Membership Corporation	Electric Distributor
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Neal Fitch	NRG Power Marketing LLC	Generation Owner
John Donelson	Old Dominion Electric Cooperative	Electric Distributor
Mark Ringhausen	Old Dominion Electric Cooperative	Electric Distributor
Dan Yang	Oncept	Not Applicable
Gregory Carmean	OPSI	Not Applicable

Douglas Dale	PECO Energy Company	Transmission Owner
Mike Donnelly	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
John Sweriduk	PECO Energy Company	Transmission Owner
Gloria Godson	PEPCO Holdings, Inc.	Transmission Owner
Patricia Kurowski	PEPCO Holdings, Inc.	Transmission Owner
Amber Young	PEPCO Holdings, Inc.	Transmission Owner
Fran Barrett	PJM Interconnection, LLC	Not Applicable
Aaron Berner	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
Lawrence Farmer	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Risa Holland	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
Erich Mauroschadt	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Molly Mooney	PJM Interconnection, LLC	Not Applicable
Asanga Perera	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
Mark Sims	PJM Interconnection, LLC	Not Applicable
Amber Thomas	PJM Interconnection, LLC	Not Applicable
Mike Ward	PJM Interconnection, LLC	Not Applicable
Glenn Weiss	PJM Interconnection, LLC	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Lisa Krizenoskas	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Phil Penny	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Sam Giordano	PSEG Energy Resources and Trade LLC	Transmission Owner
Vilna Gaston	Public Service Electric & Gas	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
Jerry Martinez	Public Service Electric & Gas Company	Transmission Owner
John Nagurney	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 Bommareddy	Quanta Technology	Not Applicable

Joel Yu	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
Barbara Scoglietti	Tangent Energy Solutions, Inc.	Other Supplier
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
John Sillin	The Federal Energy Regulatory Commission	Not Applicable
Pati Esposito-Hils	TransCanada Power Marketing Ltd.	Other Supplier
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Steve Chafin	Virginia Electric & Power Company	Transmission Owner
Peter Nedwick	Virginia Electric & Power Company	Transmission Owner
James Wilson	Wilson Energy Economics	Not Applicable