

Planning Committee
PJM Conference and Training Center, Audubon, PA
August 11, 2016

Administration

1. Mr. Paul McGlynn, 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. McGlynn asked Ms. Bridgid Cummings to review the meeting minutes of the July 14, 2016 Planning Committee meeting. Mr. McGlynn asked the Planning Committee to approve the minutes. Ms. Lisa Krizenoskas made a motion to approve the minutes. Mr. Barry Trayers seconded the motion. In a voice vote, the Planning Committee approved the July 14th Planning Committee Minutes.

Endorsements/Approvals

3. **Planning Committee Charter**

Ms. Bridgid Cummings, PJM, presented the ministerial updates to the Planning Committee Charter. Mr. John Horstmann made a motion to endorse and Mr. John Brodbeck seconded the motion. **In a voice vote, the Planning Committee endorsed the changes regarding updates to the Planning Committee Charter.**

First Readings

4. **Manual 14B and 14C Updates**

Mr. Michael Herman, PJM, presented updates to Manual 14B and 14C that incorporate a checklist for the energization process of new equipment. These changes are being incorporated to serve as a guide for users and are not a change to the current process or the requirements. Requests for further clarifying language were discussed and will be considered. Members are encouraged to email RTEP@pjm.com with questions or comments regarding this topic. The committee will be asked to endorse this language at the September meeting.

5. **Manual 14B Updates**

Mr. Herman, PJM, presented updates to Manual 14B to allow PJM Transmission Owners to propose winter temperature ratings lower than 50F for PJM review and approval as appropriate. The alternate ratings set would be applied on an individual TO basis and all within NERC standards. Clarification regarding the ratings selection were requested and will be considered. Members are encouraged to email RTEP@pjm.com with questions or comments. The committee will be asked to endorse this language at the September meeting.

6. Manual 14C Updates

Ms. Sue Glatz, PJM, presented updates to Manual 14C related to tie lines and applicable technical standards for Order 1000 projects. There was discussion regarding the proposed manual language and the language in the Designated Entity Agreement (DEA) and Interconnection Coordination Agreement (ICA). PJM will review the language and discuss further at the next PC meeting.

Informational Updates

7. FERC Order 1000 Updates

PJM Staff presented updates on areas impacted by Order 1000

- A. Mr. Mark Sims, PJM, presented proposed Tariff language related to Transmission Substation Equipment and provided an update on where this language stands in relation to the approval and incorporation of this update. Mr. Sims explained that PJM will move forward by requesting PJM stakeholder endorsement once a FERC deficiency notice in another related matter is resolved.
- B. Mr. Fran Barrett, PJM, provided an update on efforts regarding TEAC Communications and RTEP Planning Cycles. PJM intends to continue open communication with stakeholders and welcomes feedback in order to ensure completeness of the assessment and implementation of these efforts.
- C. Mr. Frank Koza, PJM, discussed the work being done in regards to the Market Efficiency process
- D. Mr. Herman, PJM, discussed the work PJM has been doing to create a new manual, M14F, to address Order 1000 processes and requirements. An initial roll out of the new manual will be presented at the September Planning Committee Meeting.

8. PJM/NYISO Wheel Modeling

Mr. Sims, PJM, provided education about the ConEd Wheel as well as provided an update on the operation and planning protocols related to the cancellation of the ConEd Wheel. Mr. Sims also discussed the different scenarios that have been studied and the impact of those in regards to planning. Members are encouraged to email RTEP@pjm.com with questions and comments, please reference the ConEd Wheel in the subject line.

9. System Planning Modeling and Support Update

Mr. Jason Connell, PJM, provided an update on the recent organization changes in the Planning Division at PJM. He discussed the reason for the changes as well as the main responsibilities of the new group. These changes will occur in September and PJM will be reaching out to Transmission Owners with further information.

10. RTEP Case Updates

Ms. Amber Thomas, PJM, presented the 2017 RETP Case Build Schedule. She provided a schedule for the 2017 RTEP power flow and short circuit case build processes. The schedules are available under the August 11th Planning Committee Material at the [Planning Committee Website](#).

11. 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 August 11th Planning Committee Material at the [Planning Committee Website](#).

12. COMED Transmission Planning Criteria

Mr. Ron Regner, COMED, and Mr. Dan Gabel, COMED, presented updates to the COMED Transmission Planning Criteria and addressed related questions from stakeholders.

Informational Section

Model on Demand Update

The MOD-032 window for Generation Owner data submission has closed on July 31, 2016. PJM is currently working with GOs who missed the deadline to get data submitted and reviewing submitted data. If anyone still has not submitted data, is having issues submitting data, or has data updates please reach out to MOD-032@pjm.com. If PJM has any technical concerns regarding the data submitted, it will reach out in writing for clarification under Requirement 3 of MOD-032-1.

Subcommittee/Task Force Updates

Subcommittee/Task Force Updates

DEDSTF

The DEDSTF last met on 7/19/2016. 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. The next meeting of the DEDSTF is 8/17/2016. The DEDSTF will give an update to the Planning Committee at the September meeting on scope of documentation and timing of deliverables. [DEDSTF website](#)

Transmission Replacement Processes Senior Task Force (TRPSTF)

The TRPSTF last met on August 8th, and an update was given from the Transmission Costs sub-group. The transmission owners and customers suggested that a PJM business SME(s) should be included in the ongoing discussion, and the senior task force agreed to have a PJM SME at the next sub-group meeting. The senior task force also reviewed interests that have been captured, and

organized/grouped any duplicate or similar interests as well as removed (but saved for final report) any that are no longer relevant after the education sessions. Once the interest identification was completed, the group focused on identifying design components and options as part of the CBIR process. However, during this discussion it became apparent that an additional sub-group made up of legal SMEs would be helpful to review and provide clarification regarding Order 890 and Order 1000. The new legal sub-group along with the Transmission Costs sub-group agreed to meet prior to the next TRPSTF meeting and provide an update on August 29th.

Please encourage any subject matter experts who may later participate in the TRPSTF to view the recorded training sessions, as it is important for participants to remain on the same page for continued progress of this senior task force. Please visit the [TRPSTF site](#) for further information, and direct any questions you may have to the TRPSTF secretaries ([Julia Spatafore](#) and [Jason Quevada](#)).

To receive email notifications, please subscribe to the Transmission Replacement Processes Senior Task Force list serve on the [My Email Lists](#) page on your My PJM account.

Future Meeting Dates

September 15, 2016	9:30 a.m.	PJM Conference and Training Center, Audubon, PA
October 6, 2016	9:30 a.m.	PJM Conference and Training Center, Audubon, PA
November 3, 2016	9:30 a.m.	PJM Conference and Training Center, Audubon, PA
December 15, 2016	9:30 a.m.	PJM Conference and Training Center, Audubon, PA

Author: Bridgid Cummings

Attendees

Attendees	Company	Sector
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Bridgid Cummings (Secretary)	PJM Interconnection, LLC	Not Applicable
Nicolas Koehler	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Jerod Marker	AEP Indiana-Michigan Transmission Company, Inc.	Transmission Owner
Kiran Thammineni	Ameren Corporation	Not Applicable
Edward Tatum	American Municipal Power, Inc.	Electric Distributor
Chris Hagman	American Transmission Company, LLC	Not Applicable
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Jim Zweig	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Will Burkett	Appalachian Power Company	Transmission Owner
Craig Lockett	Appalachian Power Company	Transmission Owner
Kishan Ellepola	Baltimore Gas and Electric Company	Transmission Owner
Hugh Scott	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
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
Connie Davis	City of Cleveland, DPU, Div of Cleveland Public Pwr	Electric Distributor
William Allen	Commonwealth Edison Company	Transmission Owner
Dan Gabel	Commonwealth Edison Company	Transmission Owner
John Garavaglia	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Ronald Regner	Commonwealth Edison Company	Transmission Owner
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
Joseph DeLosa	DE Public Service Commission	Not Applicable
John Farber	DE Public Service Commission	Not Applicable
Jeffrey Whitehead	Direct Energy Business Marketing, LLC	Other Supplier
Rebekah Kelman	DNVGL	Not Applicable
Janhavi Dharmadhikari	Dominion Energy Marketing, Inc.	Generation Owner
TJ Colombell	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
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
Joe Pilch	Duquesne Light Company	Transmission Owner
Jason Cox	Dynegy Power Marketing, Inc.	Generation Owner
Chris Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Nathan Bradley	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Wes Fluty	East Kentucky Power Cooperative, Inc.	Transmission Owner
Justin Campbell	Edison Transmission, LLC	Other Supplier
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Kevin Kilgallen	Emerald Energy Consulting, LLC	Not Applicable
John Marczewski	Energy Initiatives Group	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
Roozbeh Shegarfi	Exelon Generation Co., LLC	Generation Owner
Alina Halay	Federal Energy Regulatory Commission (The)	Not Applicable

Chad Singer	Fellon McCord	Not Applicable
Thomas Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
David Marton	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
Amy Fisher	GE Energy Financial Services	Not Applicable
Jonathan Marmillo	Genscape, Inc.	Not Applicable
Derek Hagaman	GT Power Group	Not Applicable
David Pratzon	GT Power Group	Not Applicable
Jim Nash	Hudson Transmission Partners, LLC	Other Supplier
Randy Rismiller	Illinois Commerce Commission	Not Applicable
Kenneth Foladare	IMG Midstream LLC	Generation Owner
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Brenda Prokop	ITC Mid-Atlantic Development LLC	Other Supplier
Rehan Gilani	Leidos	Not Applicable
John Seelke	LS Power Transmission, LLC	Transmission Owner
Sharon Segner	LS Power Transmission, LLC	Transmission Owner
Robert O'Connell	Main Line Electricity Market Consultants	Not Applicable
Heather Thomson	Marec	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
Benjamin Fram	Monitoring Analytics	Not Applicable
George Kogut	New York Power Authority	Other Supplier
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
James Manning	North Carolina Electric Membership Corporation	Electric Distributor
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Buyanni Prashanth	Not Applicable	Not Applicable
Neal Fitch	NRG Power Marketing LLC	Generation Owner
John Donelson	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Iris Boci	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
Patricia Kurowski	PEPCO Holdings, Inc.	Transmission Owner
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Daniel Coll	PJM Interconnection, LLC	Not Applicable
Mary Ellen Driscoll	PJM Interconnection, LLC	Not Applicable
Tom Falin	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable

Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Dana Hiser	PJM Interconnection, LLC	Not Applicable
Risa Holland	PJM Interconnection, LLC	Not Applicable
Frank Koza Jr.	PJM Interconnection, LLC	Not Applicable
Jeremy Lin	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	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
Scott Gass	PowerGEM	Not Applicable
Zelalem Tekle	PowerGEM	Not Applicable
Lisa Krizenoskas	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Frank Richardson	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Transmission Owner
Matt Howard	PSEG Energy Resources and Trade LLC	Transmission Owner
Rodney Marshall	PSEG Energy Resources and Trade LLC	Transmission Owner
Greg Player	PSEG Energy Resources and Trade LLC	Transmission Owner
Mohamed Zahidi	PSEG Energy Resources and Trade LLC	Transmission Owner
Qamar Arsalan	Public Service Electric & Gas Company	Transmission Owner
James Caristia	Public Service Electric & Gas Company	Transmission Owner
Kathleen Crowley	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
Ming Zhou	Public Service Electric & Gas Company	Transmission Owner
Debbie Gebolys	Public Utilities Commission of Ohio (The)	Not Applicable
Hisham Othman	Quanta-Technology	Not Applicable
Ray Mason	Reliability First	Not Applicable
Skylar Zilliox	RES America Developments Inc.	Generation Owner
Roleto Manganon	Rockland Electric Company	Transmission Owner
Suzanne Herel	RTO Insider	Not Applicable
Rory Sweeney	RTO Insider	Not Applicable
Andy Peebles	Shell Energy North America (US), LP	Other Supplier
David Marshall	Southern Company Services	Other Supplier
Jack Halpern	Stantec	Not Applicable
Mashiur Bhuiyan	Talen Energy Marketing, LLC	Generation Owner
Michele Greening	Talen Energy Marketing, LLC	Generation Owner
Tom Hyzinski	Talen Energy Marketing, LLC	Generation Owner
Syed Ahmad	The Federal Energy Regulatory Commission	Not Applicable
Jonathan Fernandez	The Federal Energy Regulatory Commission	Not Applicable
John Sillin	The Federal Energy Regulatory Commission	Not Applicable
Carrie Bumgarner	Wright & Tailsman	Not Applicable