

Planning Committee
PJM Interconnection
June 11, 2015
9:30 a.m. – 12:30 p.m. [EST]

Administration (9:30 – 9:45)

1. Administrative Items

- A. Mr. Herling 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.
- B. Mr. Herling asked Ms. Thomas to review the meeting minutes of the May 7, 2015 Planning Committee meeting. Mr. Kopinski then made a motion to approve the minutes. Mr. Trayers seconded the motion. In a voice vote, the Planning Committee approved the May 7, 2015 Planning Committee minutes.
- C. Mr. Koza discussed Order 1000 Lessons Learned upcoming meeting material. The next meeting on June 16th will cover topics such as proposal template, redaction guidelines, TO standards, and voltage threshold.
- D. Mr. Sims discussed the 2015 RTEP Proposal Window. The first proposal window will open the week of June 15th. The first window will include the Baseline, Generation Deliverability, Common Mode Outage, Load Deliverability, and N-1-1 thermal and voltage analyses. Members requested having 45 days for the window in order to provide PJM with accurate cost estimates.
- E. 2015 PRC-023-3 Facility List
Mr. Herman reported that on May 29th the 2015 PRC-023-3 Facility List has been distributed.

Endorsements/Approvals (9:45 – 10:15)

2. PAR Charter

- a. Mr. Berner reviewed the PAR Transmission Injection and Withdrawal Rights Charter. The Phase Angle Regulator Task Force (PARTF) will be determining if PARs should have firm transfer and withdrawal rights similar to DC transmissions lines. Mr. Herling asked the Planning Committee to endorse the charter. Mr. Scarpignato made a motion to endorse the charter and Mr. Kopinski seconded. **IN A VOICE VOTE, THE PLANNING COMMITTEE ENDORSED THE PAR TRANSMISSION INJECTION AND WITHDRAWAL RIGHTS CHARTER.**
- b. Mr. Berner informed members that the next meeting would be scheduled for Friday June 12th.

3. MOD-032 Procedure Document

Mr. Sims sought final feedback and comments for MOD-032 Procedure Document. This document will be effective July 1, 2015. TOs, GOs, and LSEs will be required to submit data based on the

MOD-32 Requirement 2 standards beginning July 1, 2016. PJM will be requesting data from the entities impacted by Quarter 1 of 2016 to help members transition into the new process.

4. Problem Statement and Issue Charge for Earlier Queue Submittals
 - a. Mr. Egan reviewed the problem statement and issue charge for incentivizing earlier queue submittals. The original issue charge was modified such that all activities would be handled by the Planning Committee and not a new taskforce. Mr. Herling asked the Planning Committee to endorse the problem statement and issue charge. Ms. Young made a motion to endorse the charter and Ms. Krizenoskas seconded. **IN A VOICE VOTE, THE PLANNING COMMITTEE ENDORSED THE PROBLEM STATEMENT AND ISSUE CHARGE FOR INCENTIVIZING EARLIER QUEUE SUBMITTALS.**
 - b. Mr. Egan highlighted issues that take place during the closing queue submittal process. Mr. Egan noted as an example from the AA1 queue, that , a third of queue submittals are came in at the last day of the queue and they have 70% deficiencies. The combination of these issues results in late queue study reports. PJM is essentially losing the modelling period to clear up the deficiencies. Educational sessions such as webinars will be scheduled to address these issues.

First Readings (10:15 – 10:50)

5. Design, Engineering, and Construction Standards

Ms. Glatz provided a first read of the problem statement and issue charge for standards for competitively solicited projects. Under Order 1000 Lessons Learned problem statement, PJM staff will be asking the Planning Committee to form a taskforce to develop guidelines and standards for design, engineering, and construction of transmission equipment for non-incumbent designated entities. The task force will run for 12-24 months. Members suggested that FAC-002 through FAC-004 methodology should be used for developing minimum design standards.

6. Merchant Network Upgrade

Mr. Egan provided a first read regarding tariff language changes to merchant network upgrades.

7. Order 1000 Proposal Fee

Mr. Barrett provided a first read regarding proposal fees being submitted for Order 1000 Proposals.

Education (10:50 – 12:25)

8. NERC/RRO Update

Mr. Kuras provided the Planning Committee with an update on recent NERC activities and PJM compliance activities. The comments are due for standards FAC-010-3, FAC-011-3, and FAC-014-2 regarding Project 2015-03 Periodic Review of System Operating Limits Standards by 6/17. The Ballot and comments are due for standard IRO-006-EAST-2 and IRO-009-2 regarding Project

2015-06 Interconnection Reliability Operations and Coordination by 7/8. NERC Standards subject to future enforcement can be found under the June 11th Planning Committee Material.

9. AA2 Queue Statistics

Mr. Egan provided information on the status of PJM's Interconnection Queue.

10. Light Load Criteria Update

Mr. Sims discussed next steps for light load criteria changes. Mr. Sims reviewed results from the sensitivity analysis done for the light load study specifically surrounding the dispatch of wind, coal, and gas generators. Members suggested that PJM may be overestimating the reactive capability of the dispatched gas units. Mr. Sims asked the TOs to continue to give us feedback regarding the light load criteria and sensitivity results.

11. Long Term Firm Transmission Service Requests

Mr. Berner provided an update regarding the study of long term firm transmission service requests. The next meeting will be held schedule for the end of June, possibly the beginning of July. The Planning Committee will be informed.

12. PJM Manuals Update for Multi-Driver Approach

Mr. Herman discussed updating PJM Manual 13 series regarding Multi-Driver Approach. The Multi-Driver approach had previously been discussed at RPPTF. The final proposal was approved earlier this year. PJM will be incorporating final FERC filing language into the PJM 14 Series Manuals. Redlines changes will be reviewed at upcoming Planning Committee meetings.

13. SPS Removals in the PPL Zone

Ms. Krizenoskas discussed the removal of the Susquehanna Generator Loss of Outlet, Wescosville T3 and Montour Runback special protection schemes. These three SPSS will be removed effective summer 2015. The three SPS removals will be presented at the next MRC.

14. 2015 Model Build Schedule

Mr. Sims reviewed the upcoming 2015 model build schedule. The model build schedule will be for the near term and long term topology updates for the 2021 RTEP case.

15. Energy Market Uplift

Mr. McGlynn reviewed next steps for incorporating energy market uplift in the planning process. Members asked PJM staff to provide examples of the type of energy market uplift that the Planning Committee would be creating a process for. Mr. McGlynn will present at an upcoming Planning Committee Meeting the type of scenarios and issues to be addressed.

16. Winter Study Update

Mr. Sims discussed the winter study criteria. Mr. Sims will be asking the Planning Committee in future meetings to approve this new criterion and will be providing updated manual language and initial results within the July – August timeframe.

17. PJM.com Update

Ms. Luna provided an update regarding several PJM.com changes. The new Meeting Center goes live Friday, June 26 and it will allow stakeholders to more easily register for meetings. Ms. Luna also highlighted the Inside Lines news site located at inside.lines.pjm.com. The site went live earlier in 2015 and provides more timely news than the former monthly newsletter provided. The search engine found on PJM.com has also had some adjustments and the Markets & Operations section is also being refreshed. The changes that have been made to the Markets & Operations sections include providing more streamlined, easy to navigate content. Each of these changes are mobile friendly.

Future Agenda Items

There were no future agenda items suggested.

Future Meeting Dates

July 9, 2015	9:30 AM	PJM Conference and Training Center, Valley Forge, PA
August 13, 2015	9:30 AM	PJM Conference and Training Center, Valley Forge, PA
September 10, 2015	9:30 AM	PJM Conference and Training Center, Valley Forge, PA
October 8, 2015	9:30 AM	PJM Conference and Training Center, Valley Forge, PA
November 5, 2015	9:30 AM	PJM Conference and Training Center, Valley Forge, PA
December 3, 2015	9:30 AM	PJM Conference and Training Center, Valley Forge, PA

Author: Amber Thomas

Attendance

Attendees	Company Name
Steven Herling - Chairman	PJM Interconnection, LLC
Amber Thomas - Secretary	PJM Interconnection, LLC
Sean Black	Ameren Control Area
Patrick Hayes	Ameren Control Area
Takis Laios	American Electric Power
Chris Norton	American Municipal Power, Inc.
Dale Burmester	American Transmission Company, LLC
Chris Hagman	American Transmission Company, LLC
Mike Schlindwein	American Transmission Company, LLC
Brock Ondayko	Appalachian Power Company
Pati Esposito	Atlantic Grid Operations A, LLC
Markian Melnyk	Atlantic Grid Operations A, LLC
Deniz Ozkan	Atlantic Grid Operations A, LLC

Zelalem Tekle	Baltimore Gas and Electric Company
James Jablonski	Borough of Butler, Butler Electric Division
Travis Bouslog	Burns and McDonnell
David Scarpignato	Calpine Energy Services, L.P.
Jakob Metzler	Castleton Commodities Merchant Trading
Barry Trayers	Citigroup Energy, Inc.
Connie Davis	City of Cleveland, DPU, Div of Cleveland Public Pwr
Deral Danis	CLEAN LINE ENERGY PARTNERS LLC
William Allen	Commonwealth Edison Company
Thomas Leeming	Commonwealth Edison Company
Paul Mills	Commonwealth Edison Company
Ronald Regner	Commonwealth Edison Company
Guy Filomena	Customized Energy Solutions, Ltd.*
Carl Johnson	Customized Energy Solutions, Ltd.*
Jonathan Sasser	Customized Energy Solutions, Ltd.*
John Horstmann	Dayton Power & Light Company (The)
Mike Hurd	Dayton Power & Light Company (The)
John Farber	DE Public Service Commission
Robert Howatt	Deleware Public Service Commission
David Hastings	DHastCo
Allen Todd	Downes Associates, Inc
George Owens	Downes Associates, Inc.
Greg Pakela	DTE Energy Trading, Inc.
Steve Steinkuhl	Duke Energy Business Services LLC
Julie Mason	Duke Energy Ohio, Inc.
Anita Schafer	Duke Energy Ohio, Inc.
Judith Stubbe	Duke Energy Ohio, Inc.
Jason Harchick	Duquesne Light Company
Iker Chocarro Aguirrebengoa	E.ON Climate & Renewables North America, Inc.
Nathan Bradley	East Kentucky Power Cooperative, Inc.
Rebecca Davis	East Kentucky Power Cooperative, Inc.
Chuck Dugan	East Kentucky Power Cooperative, Inc.
Bruce Campbell	EnergyConnect, Inc.
Andrew Tan	Eversource Energy
Roozbeh Shegarfi	Exelon
Melanie Sanders	Exelon Business Services Company, LLC
Robert Taylor	Exelon Business Services Company, LLC
Alina Halay	Federal Energy Regulatory Commission
Lou D'Alessandris	FirstEnergy Corporation
Thomas Bainbridge	FirstEnergy Solutions Corporation

Jim Benchek	FirstEnergy Solutions Corporation
David Marton	FirstEnergy Solutions Corporation
John Syner (FE)	FirstEnergy Solutions Corporation
Charles Vansant	GenPower Coal III, LLC
Derek Hagaman	GT Power Group
Bob Patrylo	H-P Energy Resources LLC
James Nash	Hudson Transmission Partners, LLC
Bob Thomas	Illinois Municipal Electric Agency
Thomas Piascik	IMG Midstream
Kenneth Folandare	IMG Midstream LLC
Thomas Fecho	Indiana Michigan Power Company
Alex Ma	Invenergy
Brenda Prokop	ITC Mid-Atlantic Development LLC
Sandeep Baidwan	LS Power Transmission, LLC
Robert O'Connell	Main Line Electricity Market Consultants
Frederick Kelley	Maryland Power Plant Research Program
Ralph De Geeter	Maryland Public Service Commission
Kevin Dean	McNees Wallace & Nurick LLC
John Kopinski	MidAtlantic
Bruce Burcat	Mid-Atlantic Renewable Energy Coalition
Adam Solomon	Midwest Independent Transm. Sys Op, Inc. (Credit Acct)
George Kogut	New York Power Authority
John Binh Vu	Nextera Energy
David Davis	Nextera Energy
Stephen Huntoon	NextEra Energy Power Marketing, LLC
James Manning	North Carolina Electric Membership Corporation
Miles Taylor	Northern Indiana Public Services Company
Neal Fitch	NRG Power Marketing LLC
Yohannes Mariam	Office of the Peoples Counsel for the District of Columbia
John Donelson	Old Dominion Electric Cooperative
Steven Lieberman	Old Dominion Electric Cooperative
Gregory Carmean	Organization of PJM States
Debbie Gebolys	Other
Annalee Grant	Other
Reginald Mendis	Other
Bryan Rushing	Other
Regina Carrado	PECO Energy Company
Mike Donnelly	PECO Energy Company
Dhruv Acharya	Pepco Holdings Inc.
Gloria Godson	PEPCO Holdings, Inc.

Patricia Kurowski	PEPCO Holdings, Inc.
Amber Young	PEPCO Holdings, Inc.
Robert Marmet	Piedmont Environmental Council
David Anders	PJM Interconnection, LLC
Stephen Boyle	PJM Interconnection, LLC
Rich Brown	PJM Interconnection, LLC
Rebecca Carroll	PJM Interconnection, LLC
Daniel Coll	PJM Interconnection, LLC
Paula Dupont-Kidd	PJM Interconnection, LLC
David Egan	PJM Interconnection, LLC
Tom Falin	PJM Interconnection, LLC
Suzanne Glatz	PJM Interconnection, LLC
Chantal Hendrzak	PJM Interconnection, LLC
Michael Herman	PJM Interconnection, LLC
Timothy Horger	PJM Interconnection, LLC
Frank Koza	PJM Interconnection, LLC
Matthew LaRocque	PJM Interconnection, LLC
Chuck Liebold	PJM Interconnection, LLC
Jeremy Lin	PJM Interconnection, LLC
Susan McGill	PJM Interconnection, LLC
Paul McGlynn	PJM Interconnection, LLC
Wenzheng Qiu	PJM Interconnection, LLC
Francisco Sanchez	PJM Interconnection, LLC
Ken Schuyler	PJM Interconnection, LLC
Jason Shoemaker	PJM Interconnection, LLC
Mark Sims	PJM Interconnection, LLC
Julia Spatafore	PJM Interconnection, LLC
Amber Thomas	PJM Interconnection, LLC
Jeffrey Palermo	PJP Consulting
John Brodbeck	Potomac Electric Power Company
Lisa Krizenoskas	PPL Electric Utilities Corp. dba PPL Utilities
Chip Richardson	PPL Electric Utilities Corp. dba PPL Utilities
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities
Elizabeth Davis	PPL EnergyPlus, L.L.C.
David Gladey	PPL EnergyPlus, L.L.C.
Michele Greening	PPL EnergyPlus, L.L.C.
Cleveland Richards Jr	Price Waterhouse Cooper
James Calore	Public Service Electric & Gas Company
Frank Czigler	Public Service Electric & Gas Company
Vilna Gaston	Public Service Electric & Gas Company

Garan Gunn
Leonid Lyakhovich
Richard Marinelli
Massamba Samb
Ming Zhou
jessica chamoun
Bobbi Welch
Tom Hoatson
Roleto Mangonon
Joel Yu
Felicia Thomas-Friel
Suzanne Herel
Gerry Binder
Andy Peebles
Jack Halpern
Mark Brozina
Boone Staples
Jonathan Fernandez
Vincent DeGiusto
Adam Weber
Ronnie Bailey

Public Service Electric & Gas Company
Public Service Electric & Gas Company (BGS)
Quanta Technology
Riverside Generating, LLC
Rockland Electric Company
Rockland Electric Company
rpa.state.nj.us
RTO Insider
SESCO Enterprises LLC
Shell Energy North America (US), LP
Stantec
Tangibl LLC
Tenaska Power Services Co.
The Federal Energy Regulatory Commission
UGI Utilities, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia Electric & Power Company