

**Planning Committee
PJM Interconnection
May 7, 2015**

Administration

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. Members did request that the PAR Charter endorsement be sought at a later time since the material was not made available 3 days in advance of the Planning Committee May 7th meeting.
- B. Mr. Herling asked Ms. Thomas to review the meeting minutes of the April 9, 2015 Planning Committee meeting. Mr. Pratzon then made a motion to approve the minutes. Mr. Trayers seconded the motion. In a voice vote, the Planning Committee approved the April 9, 2015 Planning Committee minutes
- C. Mr. Koza discussed Order 1000 Lessons Learned upcoming meeting material. The next meeting on May 14th will cover topics such as proposal template, redaction guidelines, TO standards, voltage threshold, and process documentation.
- D. Mr. Sims discussed the 2015 RTEP Proposal Window. The first proposal is anticipated to include the Baseline, Generation Deliverability, Common Mode Outage, Load Deliverability, and N-1-1 thermal analyses. The first proposal window has a target open date of early June and PJM will update the TEAC as the date approaches.

Endorsements/Approvals

2. PAR Charter

Mr. Berner discussed next steps for the Phase Angle Regulator Task Force (PARTF). The next meeting will be held on Thursday, May 14th. Mr. Berner will seek endorsement of PAR Transmission Injection and Withdrawal Rights Charter at the June 11th Planning Committee.

First Readings

3. MOD-032 Procedure Document

Mr. Thompson provided a first read of MOD-032 Procedure Document. The MOD-032 Procedure Document details system topology information that the TOs, GOs, and LSEs will be required to submit to PJM by July 1, 2016 to be compliant with MOD-032 Requirement 2.

6. AA2-Queue Submittal Review

Mr. Egan provided a first read of the problem statement and issue charge for incentivizing earlier queue submittals. Mr. Egan discussed the timeline of submittals for the AA2 queue. Mr. Egan

explained the negative impacts of receiving new generation interconnection requests right before the deadline.

Education

4. 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 EOP-004-2, EOP-005-2, EOP-006-2 and EOP-008-1 regarding Project 2015-02 Periodic Review of Emergency Operations by 5/11. The Ballot and comments are due for standard PRC-027-1 regarding Project 2007-06 System Protection Coordination by 5/15. The ballot and comments for standard MOD-031-1 regarding Project 2010-031 FERC Order No. 804 Directives MOD-031 - SAR are due by 5/15. NERC Standards subject to future enforcement can be found under the May 7th Planning Committee Material.

5. Light Load Criteria Update

Mr. Sims discussed the historical light load outputs for generation dispatch and load. Mr. Sims provided assumption recommendations for load levels and the dispatch of coal, gas, and wind units to reflect historical trends. Sensitivity studies of new assumptions will be performed to determine the power flow impacts and the results will be shared with the PC.

7. EMUSTF Update

Mr. Keech reviewed the MRC assignment to develop rules to incorporate uplift as an input to the RTEP. In addition, he provided an overview of the historic drivers for energy market uplift. Mr. Keech discussed that the MRC wants the Planning Committee to determine if there is a better way to allocate uplift cost, minimize uplift impacts, and reliably plan for it. Members suggested using the reactive support of generators to help uplift impacts.

8. Dynamic Load Modeling

Mr. Sims reviewed new Dynamic Load modeling criteria. TOs will be required to submit Dynamic Load models effective January 1, 2016 to be compliant with TPL-001-4 R2.4.1. Mr. Sims discussed the PSSE/E model types that are acceptable. Members asked PJM to determine model types that PSLF users could submit.

9. Regional Planning Process Senior Task Force (RPPTF) Update

Mr. Barrett provided an update regarding RPPTF activities. Mr. Barret discussed Generation Interconnection as a driver to the Multi – Driver Approach (MDA) projects. Mr. Barret reviewed examples of how Generation Interconnection projects could change the scope of existing baseline projects leading to MDA. Mr. Barret is requesting feedback from stakeholders regarding creating guidelines for MDA projects.

Future Agenda Items

There were no future agenda items suggested.

Future Meeting Dates

June 11, 2015	9:30 AM	PJM Conference and Training Center, Valley Forge, PA
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

Attendance

Attendees	Company Name
Steven Herling	PJM Interconnection, LLC
Amber Thomas	PJM Interconnection, LLC
David Canter	American Electric Power
Kiran Thammineni	Ameren
Nick Koehler	American Electric Power
Takis Laios	American Electric Power
Jerod Marker	American Electric Power
Lisa McAlister	American Municipal Power, Inc.
Chris Norton	American Municipal Power, Inc.
Mike Schlindwein	American Transmission Company, LLC
Dale Burmester	American Transmission Company, LLC
Brock Ondayko	Appalachian Power Company
Kevin Patten	Appalachian Power Company
Craig Lockwood	Appalachian Power Company
Pati Esposito	Atlantic Grid Operations A, LLC
Markian Melnyk	Atlantic Grid Operations A, LLC
Deniz Ozkan	Atlantic Wind Connection (AWC)
Zelalem Tekle	Baltimore Gas and Electric Company
James Jablonski	Borough of Butler, Butler Electric Division
Ron Pezon	Borough of Chambersburg
M. Anthony Lopez-Lopez	Bryndan Associates, Inc.
travis bouslog	Burns & McDonnell
David Scarpignato	Calpine Energy Services, L.P.
Jakob Metzler	Castleton Commodities Merchant Trading L.P.
Barry Trayers	Citigroup Energy, Inc.
Deral Danis	CLEAN LINE ENERGY PARTNERS LLC

connie davis	Cleveland Public Power
Paul Mills	Commonwealth Edison Company
William Allen	Commonwealth Edison Company
Thomas Leeming	Commonwealth Edison Company
Ronald Regner	Commonwealth Edison Company
Rehan Gilani	ConEdison Energy, Inc.
Dan Griffiths	Consumer Advocates of PJM States
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)
Mark Price	DC Energy Mid-Atlantic, LLC
John Farber	DE Public Service Commission
Jaclyn Cantler	Delmarva Power & Light Company
Prashanth Buyanni	DNV GL
George Owens	Downes Associates, Inc.
Steve Steinkuhl	Duke Energy Business Services LLC
Judith Stubbe	Duke Energy Ohio, Inc.
Jason Harchick	Duquesne Light Company
Chris Such	E.ON Climate & Renewables
Chris Adams	East Kentucky Power Cooperative, Inc.
Darrin Adams	East Kentucky Power Cooperative, Inc.
Nathan Bradley	East Kentucky Power Cooperative, Inc.
Chuck Dugan	East Kentucky Power Cooperative, Inc.
Andrew Tan	Eversource Energy
Roozbeh Shegarfi	Exelon
Jason Barker	Exelon Business Services Company, LLC
Melanie Sanders	Exelon Business Services Company, LLC
Syed Ahmad	Federal Energy Regulatory Commission
Thomas Bainbridge	FirstEnergy Solutions Corporation
Jim Benchek	FirstEnergy Solutions Corporation
Martin Bolan	FirstEnergy Solutions Corporation
David Marton	FirstEnergy Solutions Corporation
Jeff Stuchell	FirstEnergy Solutions Corporation
John Syner (FE)	FirstEnergy Solutions Corporation
Amy Fisher	GE Energy Financial Services
Charles Vasant	GenPower Coal III, LLC
Derek Hagaman	GT Power Group
David Pratzon	GT Power Group

Randy Rismiller	Illinois Commerce Commission
Bob Thomas	Illinois Municipal Electric Agency
Thomas Piascik	IMG Midstream LLC
Kenneth Foadare	IMG Midstream LLC
Brenda Prokop	ITC Mid-Atlantic Development LLC
Yan Du	LS Power Transmission, LLC
Robert O'Connell	Main Line Electricity Market Consultants
Ralph De Geeter	Maryland Public Service Commission
David Mabry	McNees Wallace & Nurick LLC
Adam Solomon	Midwest Independent Transm. Sys Op, Inc. (Credit Acct)
Christin Domian	Mitsubishi Electric Power Products Inc.
Felicia Thomas-Friel	New Jersey Division of Rate Counsel
George Kogut	New York Power Authority
David Davis	Nextera Energy
James Manning	North Carolina Electric Membership Corporation
Neal Fitch	NRG Power Marketing LLC
Steven Lieberman	Old Dominion Electric Cooperative
Gregory Carmean	Organization of PJM States, Inc. (OPSI)
John Kopinski	Other
iris boci	PECO Energy Company
Kyle Clifford	PECO Energy Company
Mike Donnelly	PECO Energy Company
Pulin Shah	PECO Energy Company
Dhruv Acharya	PEPCO Holdings, Inc.
Patricia Kurowski	PEPCO Holdings, Inc.
Rich Heidorn	RTO Insider
Aaron Berner	PJM Interconnection, LLC
Daniel Coll	PJM Interconnection, LLC
David Egan	PJM Interconnection, LLC
Tom Falin	PJM Interconnection, LLC
Jacob Grande	PJM Interconnection, LLC
Tim Horger	PJM Interconnection, LLC
Eric Hsia	PJM Interconnection, LLC
Adam Keech	PJM Interconnection, LLC
Charles Liebold	PJM Interconnection, LLC
amber thomas	PJM Interconnection, LLC
Scott Baker	PJM Interconnection, LLC
Francis Barrett	PJM Interconnection, LLC
Z Fan	PJM Interconnection, LLC
Suzanne Glatz	PJM Interconnection, LLC

James Glennon	PJM Interconnection, LLC
Michael Herman	PJM Interconnection, LLC
James Kirby	PJM Interconnection, LLC
Frank Koza	PJM Interconnection, LLC
Erich Mauroschadt	PJM Interconnection, LLC
Paul McGlynn	PJM Interconnection, LLC
Ken Schuyler	PJM Interconnection, LLC
Mark Sims	PJM Interconnection, LLC
Julia Spatafore	PJM Interconnection, LLC
John Brodbeck	Potomac Electric Power Company
Chip Richardson	PPL
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities (TO)
Michele Greening	PPL EnergyPlus, L.L.C.
Cleveland Richards Jr	Price Waterhouse Cooper
Qamar Arsalan	Public Service Electric & Gas Company
Jim Calore	Public Service Electric & Gas Company
Glenn Catenacci	Public Service Electric & Gas Company
Frank Czigler	Public Service Electric & Gas Company
Leonid Lyakhovich	Public Service Electric & Gas Company
massamba samb	Public Service Electric & Gas Company
ming Zhou	Public Service Electric & Gas Company
Don Morrow	Quanta Technologies
Tom Hoatson	Riverside Generating, LLC
Roleto Mangonon	Rockland Electric Company
Joel Yu	Rockland Electric Company
Suzanne Herel	RTO Insider
Gerry Binder	SESCO Enterprises LLC
Andy Peebles	Shell Energy North America (US), LP
John Rohrbach	Southern Maryland Electric Cooperative
Jack Halpern	Stantec
Adam Weber	Union Electric Company d/b/a Ameren Missouri
Craig Crider	Virginia Electric & Power Company