

Planning Committee PJM Conference and Training Center February 4, 2020 9:00 a.m. – 11:20 a.m. EPT

Administration (9:00-9:25)

- 1. Mr. Dave Souder, PJM, called the meeting to order and Ms. Molly Mooney, PJM, reviewed the Antitrust, Code of Conduct, media participation, WebEx guidelines, and safety procedures.
- 2. Ms. Molly Mooney reviewed the February 4, 2020 Planning Committee Agenda. An announcement was made regarding the order of agenda items. Agenda Item 4 will be moved to the first informational update and Agenda Item 14 will be discussed during the administration portion of the meeting.
- 3. Ms. Molly Mooney reviewed the draft minutes posted for the January 7th, 2020 meeting and the Planning Committee approved the minutes.

14. Data Request Update

Mr. Ken Seiler and Mr. Chris O'Hara, PJM, updated the Planning Committee regarding data sharing with the Independent Market Monitor. Mr. Ken Seiler also updated the Planning Committee on the Transmission Owner Attachment M-4 process (CIP-014 Mitication Projects) stating that PJM will be filing comments in support.

Endorsements (9:25-9:35)

5. TO/TOP Matrix V14

Mr. Srinivas Kappagantula, PJM, presented the proposed changes to the TO/TOP Matrix. The Committee endorsed a recommendation to the TOA-AC to approve the Draft TO/TOP Matrix V14 with an acclamation vote of 0 objections and 0 abstentions.

First Reads (9:35-11:00)

6. Market Efficiency Process Enhancement Task Force Update

Mr. Jack Thomas, PJM, reviewed the work completed at the Market Efficiency Process Enhancement Task Force. Phase 3 of the MEPETF was broken up into three categories, Regional Targeted Market Efficiency Project (RTMEP), benefits calculations with respect to capacity, and the window to separate capacity and energy benefits. Mr. Nick Dumitriu, PJM, provided an overview of PJM packages. Mr. Howard Haas, the Independent Market Monitor, provided an overview of IMM packages. Mr. Takis Laois, AEP, provided an overview of the AEP package. Mr. Jonathan Loresch, First Energy, provided an overview of the FE package. The Committee will be asked to vote on the packages at its next meeting.

7. Manual 22 Updates

Mr. Jerry Bell, PJM, presented updates to Manual 22 Generator Resource Performance Indices. The Committee will be requested to endorse these updates at the March meeting.



8. Manual 14A/14E/14G Updates

Ms. Onyinye Caven, PJM, presented updates to Manual 14A, Manual 14E, and Manual 14G in relation to the recent FERC 845 ruling. The Committee will be requested to endorse these updates at the March meeting.

Informational Updates (11:00-11:20)

4. PJM Annual Meeting Changes

Ms. Jennifer Tribulski, PJM, provided an update regarding the PJM Annual Meeting.

9. Manual 12 Attachment F Updates

Mr. Ed Franks, PJM, presented updates to Manual 12 Balancing Operations regarding the planning eligibility criteria as part of the pseudo-tie approval process. Manual 12 will be brought through the Market Implementation Committee (MIC) to the Markets & Reliability Committee (MRC) for endorsement.

10. Designated Entity Design Standards

Mr. Jay Liu, PJM, reviewed the status of bi-annual (every two years) review of the Designated Entity Minimum Required Standards as required by the DEDSS Charter.

11. TPL 007-3 Geomagnetic Disturbance Update

Ms. Ilyana Dropkin, PJM, provided an update on the NERC Reliability Standard TPL-007-3: Transmission System Planned Performance for Geomagnetic Disturbance Events work.

12. Critical Infrastructure Stakeholder Oversight Update

Ms. Christina Stotesbury, PJM, discussed the workplan for the Critical Infrastructure Stakeholder Oversight Special Planning Committee sessions. The next meeting for the Special PC: Critical Infrastructure group is Wednesday, February 12th from 1:00 p.m - 4:00 p.m.

13. Reliability Compliance Update

Mr. Preston Walker, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.

Informational Posting

Model Build Activity Update

The 2020 series RTEP powerflow cases and associated files were provided to PJM's Transmission Planning Department on Friday January 31, 2020. The 2020 series RTEP Trial 2 short circuit case was provided to the Transmission Owners on Friday January 31, 2020; the Transmission Owners will have until Friday February 14, 2020 to provide any feedback or corrections to the case.



Draft Minutes



MOD-032 Update

The Gen Model window will open May 1 and remain open through June 15. Generator Owners have the option of using data submitted in previous years to prepopulate the 2020 forms. Gen Model link: https://pim.com/planning/services-requests/planning-modeling-submission-mod-032.aspx; for any questions or comments email MOD-032@pjm.com

Special PC: Critical Infrastructure

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Planning Committee

Future Meeting Dates

1:00 p.m. – 4:00 p.m. 9:00 a.m. – 12:00 p.m. Wednesday, February 12, 2020 Tuesday, March 10, 2020 Tuesday, March 3, 2020 Friday, April 3, 2020 9:00 a.m. – 12:00 p.m. 1:00 p.m. – 4:00 p.m. Tuesday, April 14, 2020 Tuesday, April 28, 2020 Tuesday, May 12, 2020 Tuesday, June 02, 2020 9:00 a.m. – 12:00 p.m. 9:00 a.m. – 12:00 p.m. Tuesday, July 07, 2020 Tuesday, August 04, 2020 Tuesday, September 01, 2020 Tuesday, October 06, 2020 9:00 a.m. – 12:00 p.m. 9:00 a.m. – 12:00 p.m. Wednesday, November 04, 2020 Tuesday, December 01, 2020

Attendance List

David Souder (Chair) Molly Mooney (Secretary)

Ryan Dolan Steven Lieberman Chris Norton Gary Fuerst Brock Ondayko Eric Swanger David Canter Takis Laios Jonathan Loresch Kevin Kilgallen Zelalem Tekle Hugh Scott Ron Pezon Diane Janicki Stephen Kelly Bill Allen Paul Mills Ron Regner Haibin Sun Guy Filomena Lynn Horning Carl Johnson Jonathan Sasser Ashwin Kumar Balaji Tim Bockhorn John Horstmann Michael Russ **David Hastings** Jim Davis Tania Jones Connie Lowe William Jett

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American Municipal Power American Municipal Power, Inc. American Municipal Power, Inc. American Transmission Systems, Inc. Appalachain Power Company Appalachain Power Company Appalachian Power Company Appalachian Power Company ATSI Avangrid Renewables LLC Baltimore Gas and Electric Baltimore Gas and Electric Company Borough of Chambersburg Boston Energy Trading and Marketing LLC Brookfield Energy Marketing LP Commonwealth Edison Company Commonwealth Edison Company Commonwealth Edison Company Constellation Energy Services, Inc Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Daymark Energy Advisors Dayton Power & Light Company (The) Dayton Power & Light Company (The) Dayton Power & Light Company (The) Dhast Co Dominion Energy Marketing, Inc. Dominion Virginia Power Dominion Virginia Power Duke Energy Business Services LLC

PJM Conference & Training Center/ WebEx PJM Conference & Training Center/ WebEx

Not Applicable Not Applicable

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Steve Steinkuhl John Sturgeon Julie Mason Joe Pilch Patrick Grau Iker Chocarro Darrin Adams Nathan Bradley John Brodbeck Jonathan Surls Thomas Leeming Sharon Midgley Pablo Ovando Robert Taylor Kevin Thundiyil Roozbeh Shegarfi Tom Bainbridge Jim Benchek Lou D'Alessandris Laura DiNicola Andrew Horne Lawrence Hozempa Jav Salem Jeff Stuchell Emma Nix Laurie Oppel Tom Hyzinski Rory Sweeney Jeff Whitehead Mike Gahimer Dave Johnston Michael Swarv Ann Coultas John Kopinski David Mabry Christin Domian Keri Dorko David Brown George Kogut Gabriel Hollis Frederico Von Pinho Miles Taylor Yohannes Mariam Adrien Ford **Bill Pezalla** Imelda Foley Regina Carrado Jerry Bell Aaron Berner **Onyinye** Caven Yang Chen Akm Faisal Zhenvu Fan Lawrence Farmer Anisha Fernandes **Fd Franks** Jim Glennon Michele Greening Suzanne Herel Michael Herman John Keegan Jay Liu Erich Mauroschadt Susan McGill Wenzheng Qiu

Duke Energy Business Services LLC Duke Energy Carolinas, LLC Duke Energy Ohio, Inc. Duquesne Light Company Dynegy Marketing and Trade, LLC E.ON Climate & Renewables North America, Inc. East Kentucky Power Cooperative, Inc. East Kentucky Power Cooperative, Inc. EDP Renewables North America, LLC Energy Exemplar Exelon Exelon Business Services Company, LLC Exelon Generation Co., LLC FirstEnergy Solutions Corp. Gabel and Associates Grid Advisers Inc GT Power Group GT Power Group GT Power Group IN Office of Utility Consumer Counselor Indiana Utility Regulatory Commission Interstate Gas Supply, Inc. Invenergy, LLC ITC Mid-Atlantic Development LLC McNees Wallace & Nurick LLC Mitsubishi Electric Power Products Inc. Monitoring Analytics New Jersey Board of Public Utilities New York Power Authority NextEra Energy Transmission, LLC NextEra Energy Transmission, LLC Northern Indiana Public Service Company Office of the Peoples Counsel for the District of Columbia Old Dominion Electric Cooperative Old Dominion Electric Cooperative Other PECO Energy Company PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC

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Jason Quevada Ken Schuyler Harliv Singh Michelle Souder Christina Stotesbury Henry (Jack) Thomas Preston Walker Alex Worcester John Feller Ali Shadab Christopher Szmodis Amber Thomas Gary Greiner Garan Gunn Leonid Lyakhovich **Rich Marinelli** Alex Stern Heather Svenson **Debbie Gebolys** Ray Mason Tom Hoatson Lubaba Islam Rollie Mangonon Christen Smith **Bill Skumanich** Patrick Hamrick Lisa Mattson Jennifer Hohenshilt Kenneth Foladare Eric Sorber Colin Mott

PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PPL Electric Utilities Corp. dba PPL Utilities PSEG Energy Resources and Trade LLC Public Service Electric & Gas Company Public Utilities Commission of Ohio (The) ReliabilityFirst Corporation Riverside Generating, LLC Rockland Electric Company Rockland Electric Company **RTO** Insider **RTR Energy Solutions LLC** Sun Energy Sun Tribe Solar, LLC Talen Energy Marketing, LLC Tangibl UGI Utilities, Inc. Urban Grid

Not Applicable Transmission Owner Not Applicable Not Applicable Other Supplier Transmission Owner Transmission Owner Not Applicable Not Applicable Not Applicable Other Supplier Generation Owner Not Applicable Transmission Owner Not Applicable

Author: Molly Mooney