



Planning Committee PJM Conference and Training Center January 11, 2018 9:00 a.m. – 12:15 p.m. EPT

Administration (9:00-9:15)

- Mr. Paul McGlynn, PJM, called the meeting to order, reviewed the Anti-trust, Code of Conduct, media participation, and WebEx guidelines.
- Mr. McGlynn asked Ms. Susan McGill to review the meeting minutes of the December 14, 2017
 Planning Committee meeting. Mr. McGlynn asked the Planning Committee to approve the minutes.
 Alex Stern, PSE&G, made a motion to approve the minutes. Pulin Shah, Exelon, seconded this motion.
 In a voice vote, the Planning Committee approved the December 14, 2017 Planning Committee
 Minutes.
- 3. Mr. McGlynn announced the change in meeting time for all future Planning Committee meetings to 9:00am.
- 4. Mr. Steve Herling, PJM, announced organizational changes for the Planning division at PJM..

Endorsement (9:15-9:45)

5. Market Efficiency Problem Statement

Mr. Asanga Perera reviewed a problem statement related to market efficiency analysis procedures. PJM will update the Problem Statement to incorporate mid-cycle model changes as well as assumptions and acknowledge that all Phase 1 work that cannot be completed by the stated deadline will be completed during Phase 2. Jon Syner, FirstEnergy, made a motion to endorse the Problem Statement. Sharon Segner, LS Power, seconded this motion. The Planning Committee voted by acclimation to endorse the Problem Statement, as amended. There were no objections or abstentions.

Manual 14F and Operating Agreement Changes for Cost Containment
 Ms. Sue Glatz, P.IM. presented changes to P.IM Manual 14F (Competitive International Competitive International Competitional Competi

Ms. Sue Glatz, PJM, presented changes to PJM Manual 14F (Competitive Planning Process) and the PJM Operating Agreement to incorporate changes regarding cost containment developed during the Special PC sessions. Alex Stern, PSE&G, made a motion to endorse the changes. John Syner, FirstEnergy, seconded this motion. The Planning Committee voted by acclimation to endorse the changes. There were 83 votes in favor, 33 objections and 1 abstention.

First Reads (9:45-10:30)

7. Manual 14A and Manual 14E Changes for New Service Request Study Methods
Mr. Ed Franks, PJM, presented changes to PJM Manual 14A (New Services Request Process) and
PJM Manual 14E (Additional Information for Upgrade and Transmission Interconnection Projects).
These changes correspond to the PJM OATT changes endorsed at the November 9th Planning
Committee Meeting. The committee will be requested to endorse these changes at the next meeting.

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8. Manual 02 Changes

Mr. Jeff McLaughlin, PJM, presented changes to PJM Manual 2 (Transmission Service Request). These changes correspond to the PJM OATT changes endorsed at the November 9th Planning Committee Meeting. The committee will be requested to endorse these changes at the next meeting.

9. Manual 14B Changes

Mr. Michael Herman, PJM, presented changes to PJM Manual 14B (Regional Transmission Planning Process) to clean up issues found during a periodic review. The committee will be requested to endorse these changes at the next meeting.

10. Designated Entity Design Standards Task Force Close Out

Mr. Michael Herman, PJM, presented the final report from the Task Force and an update charter to convert the Task Force to a Subcommittee that will meet every two years. The committee will be requested to endorse the subcommittee charter at the next meeting.

Informational Updates (10:30-12:15)

11. Manual 14 Series Proposed Changes

Ms. Lisa Krizenoskas, PJM, presented initial changes to the PJM Manual 14 series to increase clarity when locating information related to the PJM New Services Request process.

12. RTEP 2018 Schedule Update

Mr. Alex Worcester, PJM, provided a status update regarding the 2018 series RTEP cases.

13. NERC and Regional Coordination Update

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

14. Transmission Expansion Advisory Committee (TEAC) Meeting

Mr. Mark Sims, PJM, discussed stakeholder feedback to the review process of the Regional and Local Plans, including those conducted at the TEAC and Sub-regional RTEP Committees. Members are encourage to provide suggestions or comments through the Planning Community.

15. PJM External Capacity filing

Mr. Aaron Berner, PJM, discussed the addition of reviews required to permit external generation to participate in PJM's market as a Pseudo-Tied generator. The discussions centered around the addition of language to Manual 12 surrounding the review of planning studies conducted on external systems which must be conducted by entities other than PJM to complete the Pseudo-Tie certification.

Future Meeting Dates

| February 8, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
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| March 8, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| April 5, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| May 3, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| June 7, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| July 12, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |
| August 9, 2018 | 9:00 a.m. | PJM Conference & Training Center/ WebEx |

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September 13, 2018 October 11, 2018 November 8, 2018 December 13, 2018 9:00 a.m. 9:00 a.m. 9:00 a.m. 9:00 a.m.

Attendance List

Paul McGlynn (Chair) Susan McGill (Secretary)

Edward Achaab Robert Cundiff Aaron Kerr Nicolas Koehler Jerod Marker J Moore Brian Swain Jamie Lejcar Edward Tatum Ryan Dolan Lisa McAlister James Zweig Gary Fuerst Brock Ondayko Takis Laios Craig Lockwood Markian Melnyk Kevin Kilgallen **Hugh Scott** Diane Janicki Raj Chintapalli Paul Steckley Josh Rawley David Scarpignato

Greg Poulos
Yan Du
Barry Trayers
William Allen
Kevin Chamberlain
John Garavaglia
Thomas Leeming
Ronald Regner
Rehan Gilani
Guy Filomena
Carl Johnson
Jonathan Sasser
Michael Russ
Hertzel Shamash
Joseph DeLosa

James Davis Frank Zhang George Owens Greg Pakela Steve Steinkuhl julie mason Judy Stubbe Chad Hirsh Tonja Wicks

Michael Natrin

Marjorie Philips

Iker Chocarro Aguirrebengoa

Darrin Adams Scott Sells Amanda Stacy PJM Interconnection, LLC PJM Interconnection, LLC

AEP Energy Partners, Inc.

AEP Energy Partners, Inc.
AEP Indiana-Michigan Transmission Company, Inc.

AEP Indiana-Michigan Transmission Company, Inc.
Allegheny Electric Cooperative, Inc.
American Municipal Power, Inc.
American Municipal Power, Inc.
American Municipal Power, Inc.
American Transmission Company, LLC
American Transmission Systems, Inc.
Appalachain Power Company
Appalachian Power Company
Appalachian Power Company
Atlantic Grid Operations A, LLC

Baltimore Gas and Electric Company Boston Energy Trading & Marketing, LLC BP Energy Company

Brookfield Energy Marketing, LP Burns McDonnell

Calpine Energy Services, L.P.

Avangrid Renewables LLC

CAPS

Central Transmission, LLC Citigroup Energy, Inc.

Commonwealth Edison Company ConEdison Energy, Inc.

Customized Energy Solutions, Ltd.
Customized Energy Solutions, Ltd.
Customized Energy Solutions, Ltd.
Customized Energy Solutions, Ltd.
Dayton Power & Light Company (The)
Dayton Power & Light Company (The)
DE Public Service Commission
Delmarva Power & Light Company
Direct Energy Business, LLC
Dominion Energy Marketing, Inc.
Dominion Virginia Power
Downes Associates, Inc.

Duke Energy Business Services LLC Duke Energy Ohio, Inc. Duke Energy Ohio, Inc. Duquesne Light Company Duquesne Light Company

DTE Energy Trading, Inc.

E.ON Climate & Renewables North America, Inc. East Kentucky Power Cooperative, Inc.

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John Brodbeck Bruce Campbell Nick Gangi Sharon Midgley Melanie Sanders Robert Taylor Kevin Thundiyil Pulin Shah David Weaver Roozbeh Shegarfi Cody Adanitsch Thomas Bainbridge Martin Bolan Lou D'Alessandris Harkaran Grewal Jacquelyn Lojek Grant Marchewka Jeff Stuchell John Syner Johnbinh Vu Michael Borgatti Rachel Hulett Tom Hyzinski Tom Shields Randy Rismiller Mike Gahimer John Kopinski Brenda Prokop Robert Colozza Sharon Segner Ron Slagel Morris Schreim David Mabry Christin Domian John Dadourian David Brown Cynthia Holland George Kogut Stephen Gibelli Amanda Mack Gabriel Hollis Frederico Von Pinho James Manning Miles Taylor Neal Fitch Yohannes Mariam Tom Schmidt Adrien Ford Marian Kimball William Pezalla James Wright Gregory Carmean J Earl Coffman Douglas Dale Mike Donnelly Patricia Kurowski Amber Young David Anders Aaron Berner Donnie Bielak Mike Bryson Tim Burdis Kyle Clifford

Ilvana Dropkin

Janell Fabiano

Tom Falin

EDP Renewables North America, LLC EnergyConnect, Inc. Eversource Energy Exelon Business Services Company, LLC **Exelon Corporation** Exelon Corporation Exelon Generation Co., LLC FirstEnergy Solutions Corp. Florida Power & Light Company Gabel and Associates Gridliance, GP, LLC GT Power Group IBERDROLA RENEWABLES, LLC Illinois Commerce Commission IN Office of Utility Consumer Counselor ITC Mid-Atlantic Development LLC ITC Mid-Atlantic Development LLC LS Power Transmission, LLC LS Power Transmission, LLC Market Interconnection Maryland Public Service Commission McNees Wallace & Nurick LLC Mitsubishi Electric Power Products Inc. Monitoring Analytics, LLC New Jersey Board of Public Utilities New Jersey Board of Public Utilities New York Power Authority NextEra Energy Power Marketing, LLC NextEra Energy Power Marketing, LLC NextEra Energy Transmission, LLC NextEra Energy Transmission, LLC North Carolina Electric Membership Corporation Northern Indiana Public Service Company NRG Power Marketing LLC Office of the Peoples Counsel for the District of Columbia Ohio Electric Cooperatives Old Dominion Electric Cooperative Old Dominion Electric Cooperative Old Dominion Electric Cooperative Old Dominion Electric Cooperative **OPSI** PECO Energy Company PECO Energy Company PECO Energy Company PEPCO Holdings, Inc. PEPCO Holdings, Inc. PJM Interconnection, LLC PJM Interconnection, LLC

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Larry Farmer Anisha Fernandes Pauline Foley **Edmund Franks** Suzanne Glatz James Glennon Jim Glennon Joe Hay Steve Herling Michael Herman Dana Hiser Kendra King Lisa Krizenoskas Peter Lamaina Matthew LaRocque Chuck Liebold Amanda Long Lagy Mathew Erich Mauroschadt Jeffrey McLaughlin Nicole Militello Emma Nix Ken Schuyler Ken Seiler Jason Shoemaker Mark Sims Stan Sliwa Lauren Strella Jonathan Thompson Preston Walker Alex Worcester Tao Yang Phil Yum Shadab Ali Michele Greening Steven Nadel Chip Richardson James Stover Christopher Szmodis **Gary Greiner** William Lavista Mohamed Zahidi Adrian Newall Ricardo Galarza Oamar Arsalan James Caristia Joseph DiBartolomeo **Daniel Hutt** Jason Kalwa Leonid Lyakhovich Rich Marinelli Jerry Martinez John Nagurney Bryan Sock Alexander Stern Debbie Gebolys Ray MASON Tom Hoatson Roleto Mangonon Brian O'Boyle Suzanne Herel Jenny Erwin Todd Ryan Stephanie Tsao

David Essah

Kenneth Foladare

PJM Interconnection, LLC P JM Interconnection, LLC PJM Interconnection, LLC PPL Electric Utilities Corp. dba PPL Utilities PSEG Energy Resources and Trade LLC PSEG Energy Resources and Trade LLC PSEG Energy Resources and Trade LLC **PSEG Services PSM** Consulting Public Service Electric & Gas Company Public Utilities Commission of Ohio (The) ReliabilityFirst Corporation Riverside Generating, LLC Rockland Electric Company Rockland Electric Company RTO Insider Smart Wire Grid, Inc. Smart Wire Grid, Inc. SPGlobal State Corporation Commission, Viriginia

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Author: Susan McGill

Tennessee Department of Agriculture
The Energy Authority, Inc
The Federal Energy Regulatory Commission
The Federal Energy Regulatory Commission
Tradewind Energy, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia Electric & Power Company
Virginia Electric & Power Company
Wilson Energy Economics
York County Planning Commission

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