



November Planning Committee Teleconference / WebEx November 4, 2020 9:00 a.m. – 12:00 p.m. EPT

Administration (9:00 - 9:15)

- 1. Dave Souder, PJM, called the meeting to order. Molly Mooney, PJM, reviewed the Antitrust, Code of Conduct, media participation, and WebEx guidelines.
- 2. Molly Mooney reviewed the November 4, 2020 Planning Committee Agenda. No changes to the agenda were requested.
- 3. Molly Mooney reviewed the draft minutes posted for the October 6, 2020 meeting and the Planning Committee approved the minutes.
- 4. Dave Souder reviewed the Planning Committee Charter. The committee will be requested to endorse the Charter at next month's meeting.

Endorsements (9:15 – 9:35)

5. Manual 14C Update

Mark Sims, PJM, provided a second read of changes to Manual 14C: Generation and Transmission Interconnection Facility Construction, as part of the biennial cover-to-cover review. **The committee endorsed the Manual 14C changes with an acclamation vote of 0 objections and 0 abstentions**

First Reads (9:35- 11:30)

6. Storage As Transmission Asset Update

Michele Greening, PJM, discussed work being done at the most recent Storage As Transmission Asset Special Planning Committee sessions and review recent poll results. Jeffrey Goldberg and Nick Dumitriu, PJM, presented a first read of PJM's package. The committee will be asked to endorse the package at its next meeting.

Issue Tracking: Storage As a Transmission Asset

7. Critical Infrastructure Stakeholder Update

Christina Stotesbury, PJM, reviewed results from the second survey monkey poll on the Critical Infrastructure Stakeholder Oversight issue. Mike Herman, PJM, presented a first read of proposals to address both the Mitigation and Avoidance of future CIP-014 facilities. The committee will be asked to endorse the packages at its next meeting.

Issue Tracking: Critical Infrastructure Stakeholder Oversight

Informational Updates (11:30 - 12:15)

- 8. Recent Load Impacts and Load Forecast Model Development
 - A. Andrew Gledhill, PJM, presented the estimated Covid-19 impacts on recent loads.
 - B. Andrew Gledhill, discussed details of proposed load forecast model changes.





9. Update on Executive Order on Bulk Electric Power System

Craig Glazer, PJM, provided an update on Department of Energy Efforts to Implement the President's Executive Order to Remove Grid Equipment Connected to 'Foreign Adversaries'.

10. Capacity Capability Senior Task Force Update

Andrew Levitt, PJM, provided an update on the Effective Load Carrying Capability (ELCC) data submission requirements for intermittent and limited duration resources. The November data submission deadline will be pushed back to November 23rd, and is only required for members who wish to receive preliminary, non-binding ELCC results. The deadline for submitting data to supporting binding ELCC results to be used in the 2023/24 BRA will be early next year.

Informational Posting

Model Build Activity Update

2020 Series MMWG

Powerflow – PJM to review and approve final cases as soon as they are posted by Powertech;
 Powertech to post final cases once all Planning Coordinators have reviewed and approved the final cases

2021 Series RTEP

- Powerflow Transmission Owners to submit Trial 1 case updates by Friday November 20, 2020
- Short Circuit PJM is currently building the Trial 1 2023 case, it will be sent to the Transmission Owners for review in early January 2021

Update on 2021 Generator Model Window

Posted with materials for the November PC is a document describing 2021 Gen Model updates. New data requested is described in the document.

PJM Interconnection Queue Status Update

PJM has posted slides showing an update on the status of the PJM Interconnection Queues.

Future Meeting Dates

Tuesday, December 01, 2020 9:00 a.m. – 12:00 p.m. Planning Committee WebEx Friday, December 11, 2020 9:00 a.m. – 4:00 p.m. Interconneciton Process Workshop 2 WebEx

Attendance List

David Souder (Chair) PJM Interconnection. LLC Not Applicable Molly Mooney (Secretary) PJM Interconnection, LLC Not Applicable Randy Holliday AEP Appalachian Transmission Company, Inc. Transmission Owner Allegheny Power (AP load) Meghan Jurica Not Applicable Allegheny Power (AP load) Deb Kanner Not Applicable Tyler Berton American Electric Power Not Applicable Ryan Dolan American Municipal Power Electric Distributor Gerit Hull American Municipal Power, Inc. Electric Distributor American Municipal Power, Inc. Art Iler Electric Distributor Vince Guntle American PowerNet Management, L.P. **End User Customer** Rachel Elkins American Transmission Systems, Inc. Transmission Owner





Gary Fuerst Brock Ondayko David Canter Chad Heitmeyer Takis Laios Kevin Kilgallen Bhaskar Ray Tom Jens Diane Janicki Stephen Kelly Tony Lopez-Lopez Greg Poulos Bill Allen Paul Mills Ron Regner Rehan Gilani Haibin Sun

Lynn Horning Carl Johnson Jonathan Sasser **David Hastings** Tania Jones Bao Pham

Guy Filomena

Hamidreza Sadeghian Kyle Thomas Yajun Zheng Ryen Lawson Kenneth Curtis William Jett Rhonda Johnson Steve Steinkuhl John Sturgeon Jeff Baker Dan Benson

Benjamin Passty Steve Abate Gian Alian Joe Pilch Darrin Adams Nathan Bradley Chuck Dugan Sally Witt Anton Ptak

Julie Mason

John Brodbeck Malcolm Ainspan **Sharon Thomas**

Thomas Leeming Jason Barker Raiesh Bhana Harsha Jasti Sharon Midgley Pablo Ovando Robert Taylor Amber Thomas Kevin Thundiyil

Roozbeh Shegarfi Chad Singer Tom Bainbridge Jim Benchek Lou D'Alessandris Laura DiNicola Andrew Horne Larre Hozempa

American Transmission Systems, Inc. Appalachain Power Company Appalachian Power Company Appalachian Power Company Appalachian Power Company Avangrid Renewables LLC Baywa

Black Oak Energy, LLC Boston Energy Trading and Marketing LLC

Brookfield Energy Marketing LP Bryndan Associates, Inc.

CAPS

Commonwealth Edison Company Commonwealth Edison Company Commonwealth Edison Company

ConEdison Energy, Inc.

Constellation Energy Services, Inc. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd.

Dhast Co

Dominion Virginia Power Drilling Info, Inc

Duke Energy Business Services LLC Duke Energy Business Services LLC Duke Energy Business Services LLC Duke Energy Carolinas, LLC Duke Energy Ohio, Inc. Duke Energy Ohio, Inc.

Duke Energy Ohio, Inc. Duke Energy Ohio, Inc. Duquesne Light Company Duquesne Light Company Duquesne Light Company East Kentucky Power Cooperative, Inc.

East Kentucky Power Cooperative, Inc. East Kentucky Power Cooperative, Inc. East Kentucky Power Cooperative, Inc. EDF Renewable

EDP Renewables North America LLC Energy Curtailment Specialists, Inc.

Energy Storage

Exelon

Exelon Business Services Company, LLC Exelon Business Services Company, LLC

Exelon Generation Co., LLC

Fellon McCord

FirstEnergy Solutions Corp. FirstEnergy Solutions Corp.

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

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

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

Transmission Owner Transmission Owner Not Applicable Generation Owner Not Applicable Not Applicable Transmission Owner Generation Owner Not Applicable Transmission Owner Transmission Owner Transmission Owner Transmission Owner

Transmission Owner

Transmission Owner





Jeff Stuchell Donna Robichaud Geenex Laurie Oppel Jay Caspary Angela Plummer Tom Hyzinski Rory Sweeney Jeff Whitehead Bonnie Lamond Highview Power Christine Ericson Brandon Bowen Dave Johnston Rob Stupar John Kopinski Sharon Segner

Joshua York Megan Wisersky Morris Schreim David Mabry Erik Hanser Jennifer Phillips Christin Domian

Joseph Bowring John Dadourian George Kogut Gabriel Hollis Mike Dailey John Rainey Brian Kauffman Divva Kurthakoti

Frik Heinle Yohannes Mariam Bill Squibb

Michael Cocco Adrien Ford **Gregory Carmean**

Tomas Rodriguez Regina Carrado Pulin Shah David Anders Scott Baker

Stephen Bennett Aaron Berner Mike Bryson Ilyana Dropkin Nicolae Dumitriu Amanda Egan David Egan Janell Fabiano Tom Falin Pauline Foley Suzanne Glatz Craig Glazer Andrew Gledhill Jim Glennon Jeffrey Goldberg Michele Greening Suzanne Herel Michael Herman Liem Hoang Tim Horger

Eric Hsia

Matt LaRocque

Andrew Levitt

Paul McGlynn

FirstEnergy Solutions Corp.

Grid Advisers Inc Grid Strategies LLC

GridSME **GT Power Group** GT Power Group GT Power Group

Illinois Commerce Commission Indiana Utility Regulatory Commission Indiana Utility Regulatory Commission

Invenergy, LLC

ITC Mid-Atlantic Development LLC LS Power Transmission, LLC LS Power Transmission, LLC Madison Gas and Electric

Maryland Public Service Commission McNees Wallace & Nurick LLC Michigan Public Service Commission Middle River Power I, LLC

Mitsubishi Electric Power Products Inc.

Monitoring Analytics Monitoring Analytics, LLC New York Power Authority NextEra Energy Transmission, LLC Northern Virginia Electric Cooperative Northern Virginia Electric Cooperative NRG Curtailment Solutions

Ocean Wind LLC

Office of the Peoples Counsel for the District of Columbia Office of the Peoples Counsel for the District of Columbia

Ohio Valley Electric

Old Dominion Electric Cooperative Old Dominion Electric Cooperative **OPSI**

OPSI PECO Energy Company 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 PJM Interconnection, LLC

PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC

Transmission Owner Not Applicable Generation Owner

Other Supplier Transmission Owner Transmission Owner Other Supplier Not Applicable Other Supplier Other Supplier Electric Distributor Electric Distributor Other Supplier Not Applicable End User Customer **End User Customer** Generation Owner Electric Distributor Electric Distributor Not Applicable Not Applicable Transmission Owner Transmission Owner

Not Applicable Not Applicable





Megan McLaverty
Shaun Murphy
Wenzheng Qiu
John Reynolds
Paul Scheidecker
Jeffrey Schmitt
Ken Schuyler
Mark Sims
Michelle Souder
Mark Stanisz
Christina Stotesbury
Nebiat Tesfa
Jack Thomas
Jen Tribulski
Stuart Widom Jere Williamson Downs
Jere Williamson Downs
Chris Benson
Shadab Ali
John Feller
Horst Lehmann Steven Nadel
Arun Nava
David Quier
Amanda Rumsey
Valerie Saveri
Christopher Szmodis
Gary Greiner
Qamar Arsalan
Esam Khadr
Leonid Lyakhovich
Alex Stern
Heather Svenson
Heather Svenson Caroline Tkachuk
Rafael Wilches
Mahila Christopher
Tom Hoatson
Michael Yoder
James Okenfuss
Sean Chang
Casey Roberts
John Rohrbach
Jennifer Hohenshilt
Brad Swalwell
Kenneth Foladare
Syed Ahmad
John Sillin
Vince DeGiusto
Adam Weber
01 1 14 1

PJM Interconnection, LLC
PJM Interconnection, LLC PJM Interconnection, LLC
PJM Interconnection, LLC
PowerBridge, LLC PPL Electric Utilities Corp. dba PPL Utilities PPL Electric Electric & Gas Company Public Service Electric & Gas Company Public Utilities Commission of Ohio (The) Riverside Generating, LLC RTO Insider
Savion Energy Shell Energy North America (US), LP
Sierra Club
Southern Maryland Electric Cooperative Talen Energy Marketing, LLC Tangent Energy Solutions, Inc.
Tangibl The Federal Energy Regulatory Commission The Federal Energy Regulatory Commission UGI Utilities, Inc.
Union Electric Company d/b/a Ameren Missouri Virginia Electric & Power Company Virginia Electric & Power Company Wilson Energy Economics

Not Applicable Transmission Owner Not Applicable Other Supplier Not Applicable Not Applicable Other Supplier Not Applicable Electric Distributor Generation Owner Other Supplier Not Applicable Not Applicable Not Applicable Transmission Owner Other Supplier Transmission Owner Transmission Owner Not Applicable

Author: Molly Mooney

Chris Mertz

Karim Siamer

James Wilson