



December Planning Committee Teleconference / WebEx December 1, 2020 9:00 a.m. – 12:10 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 December 1, 2020 Planning Committee Agenda. No changes to the agenda were requested.
- 3. Molly Mooney reviewed the draft minutes posted for the November 4, 2020 meeting and the Planning Committee approved the minutes.
- 4. Natasha Holter, PJM, updated the committee on a poll from the Emerging Technologies Forum (ETF) to gauge stakeholder interest on topics that should be discussed at that group.

Endorsements (9:15 –10:15)

5. Planning Committee Charter

David Souder, PJM, reviewed the Planning Committee Charter. No changes were been made to the Planning Committee Charter. The committee endorsed the Charter with an acclamation vote of 0 objections and 1 abstention.

6. Storage As Transmission Asset Update

Michele Greening, PJM, reviewed work done at the Storage As Transmission Asset Special Planning Committee sessions. Jeffrey Goldberg, PJM, reviewed PJM's package. A draft version of associated OA language was posted with meeting materials for informational purposes. After stakeholder discussion, additional special session meetings will be scheduled to conduct a review of Operating Agreement (OA) language. The committee endorsed the SATA package at today's meeting with a vote of 91 Yes (58%), 65 No (42%), 62 Abstain. The committee voted if the SATA package was preferable to the status quo. This vote passed with 90 Yes (51%), 86 No (49%), and 42 Abstain. Issue Tracking: Storage As a Transmission Asset

First Reads (10:15 - 10:45)

- 7. Critical Infrastructure Stakeholder Update
 - A. Christina Stotesbury, PJM, reviewed work done at the Critical Infrastructure Stakeholder Oversight sessions.
 - B. Pauline Foley, PJM Legal, reviewed the details of FERC Docket No ER20-841-001 "Order Addressing Arguments Raised on Rehearing" dated November 19, 2020





- C. Mike Herman, PJM, reviewed the PJM proposal to address Avoidance of future CIP-014 facilities, including a first read of associated manual language.
- D. David Souder, PJM, discussed CISO next steps including additional special session meetings for the Mitigation piece of CISO.

Issue Tracking: Critical Infrastructure Stakeholder Oversight

Informational Updates (10:45 – 12:10)

- 8. Recent Load Impacts and Preliminary 2021 Load Forecast
 - A. Andrew Gledhill, PJM, presented the estimated Covid-19 impacts on recent loads.
 - B. Andrew Gledhill, reviewed the preliminary 2021 Load Forecast results.
- 9. New Jersey BPU State Agreement Approach

Joe DeLosa, NJBPU, discussed the November 18, 2020 Clean Energy Order (Docket No. QO20100630) declaring transmission to support offshore wind a public policy of the state of New Jersey.

10. State Agreement Approach

Mark Sims, PJM, completed education on the PJM State Agreement Approach.

11. Transmission & Substation Subcommittee Update

Jay Liu, PJM, provided an update on the Transmission & Substation Subcommittee (TSS) work activities through 2020, including 2021 workplan.

12. Reliability Compliance Update

Mark Kuras, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.

Informational Posting

Model Build Activity Update

2020 Series MMWG

Powerflow – final cases have been reviewed and approved

2021 Series RTEP

- Powerflow PJM builds and delivers Trial 2 cases to the Transmission Owners by Friday December 11, 2020; Transmission Owners to submit their Trial 2 updates by Wednesday January 6, 2021
- 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 December PC is a document describing 2021 Gen Model updates. New data requested is described in the document. The Gen Model window will open on 5/1/21 and end on 6/15/21.





		4.5	
-	TIPO	Mooting	Dates
		//22	IIIAIES

Friday, December 11, 2020	9:00 a.m 4:00 p.m.	Interconneciton Process Workshop 2	WebEx
Friday, December 18, 2020	1:00 p.m. – 4:00 p.m.	PC Special Session: SATA & CISO	WebEx
Wednesday, January 6, 2021	9:00 a.m - 12:00 p.m	PC Special Session: SATA & CISO	WebEx
Monday, January 11, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	WebEx
Tuesday, February 9, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	WebEx
Tuesday, March 9, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	WebEx
Tuesday, April 6, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	WebEx
Tuesday, May 11, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	WebEx
Tuesday, June 8, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	WebEx
Tuesday, July 13, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	TBD
Tuesday, August 10, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	TBD
Wednesday, September 8, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	TBD
Tuesday, October 5, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	TBD
Tuesday, November 2, 2021	9:00 a.m - 12:00 p.m.	Planning Committee	TBD
Tuesday, Noember 30, 2021	9:00 a.m – 12:00 p.m.	Planning Committee	TBD

Attendance List

David Souder (Chair) Molly Mooney (Secretary)

Muhsin Abdur-Rahman Rodrigo Gonzalez Miguelez Rebecca Marcotte

Leslie Padilla Tyler Berton Dylan Drugan David Rupert Gerit Hull Steven Lieberman Vince Guntle Rachel Elkins

Gary Fuerst

Janice Fuller Theodore Paradise Brock Ondayko David Canter

Takis Laios Craig Lockwood Kevin Kilgallen Zelalem Tekle Ron Pezon Stephen Kelly Tony Lopez-Lopez Jake Merriman

Greg Poulos Bill Allen Paul Mills Rehan Gilani Guy Filomena Lynn Horning Carl Johnson Jonathan Sasser

Michael Russ David Hastings James Davis

John Horstmann Raj Roychowdhury PJM Interconnection, LLC PJM Interconnection, LLC

Acciona Energy North America Corporation Acciona Energy North America Corporation Acciona Energy North America Corporation

American Electric Power American Electric Power American Electric Power American Municipal Power, Inc. American Municipal Power, Inc. American PowerNet Management, L.P. American Transmission Systems, Inc. American Transmission Systems, Inc.

Anbaric Anbaric

Appalachain Power Company Appalachian Power Company Appalachian Power Company Appalachian Power Company Avangrid Renewables LLC Baltimore Gas and Electric Borough of Chambersburg Brookfield Energy Marketing LP Bryndan Associates, Inc. Burns McDonnell

CAPS

Commonwealth Edison Company 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) Dayton Power & Light Company (The)

Dominion Energy Marketing, Inc.

Not Applicable Not Applicable

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

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





Tania Jones Kyle Thomas Ryen Lawson William Jett Steve Steinkuhl John Sturgeon Jeff Baker Julie Mason Steve Abate Gian Alian

Joe Pilch Iker Chocarro Nathan Bradley John Brodbeck

Jarett Contino AnneMarie McShea Gaurav Mehta Malcolm Ainspan Marleny Lopez-Sanchez

Sharon Thomas **Bruce Campbell** Raiesh Bhana Sharon Midgley Robert Taylor Amber Thomas

Kevin Thundiyil Roozbeh Shegarfi Chad Singer

Tom Bainbridge Jim Benchek Lou D'Alessandris Larre Hozempa Jeff Stuchell Lisa Tynes Jon Newman Mike Borgatti Emma Nix

Jay Caspary Tom Hyzinski Rory Sweeney Jeff Whitehead Dave Johnston

Rob Stupar

Sharon Segner Joshua York Morris Schreim Kathleen Wehnes David Mabry Christin Domian

John Dadourian Cullen Howe

Joe DeLosa Jim Ferris **Emily Smithman** George Kogut Gabriel Hollis Frederico Von Pinho Mike Dailey

John Rainev Erik Heinle Yohannes Mariam Tom Schmidt

Bill Squibb Michael Cocco Adrien Ford

Dominion Virginia Power Dominion Virginia Power Dominion Virginia Power

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

E.ON Climate & Renewables North America, Inc.

East Kentucky Power Cooperative, Inc. EDP Renewables North America LLC EDP Renewables North America LLC EDP Renewables North America LLC Enel Trading North America, LLC Energy Curtailment Specialists, Inc.

Energy Initiatives Group Energy Storage EnergyConnect, Inc.

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

Exelon Generation Co., LLC

Fellon McCord

FirstEnergy Solutions Corp. Fluence Energy Gabel and Associates Gabel and Associates

Grid Strategies LLC GT Power Group GT Power Group GT Power Group

Indiana Utility Regulatory Commission

Invenergy, LLC

LS Power Transmission, LLC LS Power Transmission, LLC Maryland Public Service Commission Maryland Public Service Commission McNees Wallace & Nurick LLC Mitsubishi Electric Power Products Inc.

Monitoring Analytics, LLC

Natural Resources Defense Council New Jersey Board of Public Utilities New Jersey Board of Public Utilities New Jersey Board of Public Utilities New York Power Authority NextEra Energy Transmission, LLC NextEra Energy Transmission, LLC Northern Virginia Electric Cooperative

Northern Virginia Electric Cooperative

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

Ohio Electric Cooperatives Ohio Valley Electric

Old Dominion Electric Cooperative Old Dominion Electric Cooperative Transmission Owner Transmission Owner Transmission Owner Transmission Owner Transmission Owner Other Supplier Transmission Owner Transmission Owner Transmission Owner Transmission Owner Transmission Owner Generation Owner Transmission Owner Generation Owner Generation Owner Generation Owner Other Supplier Not Applicable Not Applicable Not Applicable Other Supplier Transmission Owner Transmission Owner Transmission Owner Transmission Owner Transmission Owner Generation Owner

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

Not Applicable

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

Electric Distributor

Electric Distributor



Matthew Besz

Minutes



Gregory Carmean	OPSI
Tomas Rodriguez	OPSI
Sunny Gupta	Orsted
Eric Wilkinson	Orsted
Regina Carrado	PECO Energy Company
Pulin Shah	PECO Energy Company
David Anders	PJM Interconnection, LLC
Stephen Bennett	PJM Interconnection, LLC
Aaron Berner	PJM Interconnection, LLC
Matthew Bernstein	PJM Interconnection, LLC
Mike Bryson	PJM Interconnection, LLC
Tim Burdis	PJM Interconnection, LLC
Brian Chmielewski	PJM Interconnection, LLC
Jason Connell	PJM Interconnection, LLC
Becky Davis	PJM Interconnection, LLC
Nicolae Dumitriu	PJM Interconnection, LLC
Amanda Egan	PJM Interconnection, LLC
David Egan	PJM Interconnection, LLC
Janell Fabiano	PJM Interconnection, LLC
Tom Falin	PJM Interconnection, LLC
Zhenyu Fan	PJM Interconnection, LLC
Pauline Foley	PJM Interconnection, LLC
Denise Foster	PJM Interconnection, LLC
Suzanne Glatz	PJM Interconnection, LLC
Craig Glazer	PJM Interconnection, LLC
Andrew Gledhill Jeffrey Goldberg	PJM Interconnection, LLC PJM Interconnection, LLC
Michele Greening	PJM Interconnection, LLC
Suzanne Herel	PJM Interconnection, LLC
Michael Herman	PJM Interconnection, LLC
Liem Hoang	PJM Interconnection, LLC
Natasha Holter	PJM Interconnection, LLC
Tim Horger	PJM Interconnection, LLC
Eric Hsia	PJM Interconnection, LLC
Jack Keegan	PJM Interconnection, LLC
Ed Kovler	PJM Interconnection, LLC
Mark Kuras	PJM Interconnection, LLC
Matt LaRocque	PJM Interconnection, LLC
Jay Liu	PJM Interconnection, LLC
Amanda Long	PJM Interconnection, LLC
Susan McGill	PJM Interconnection, LLC
Megan McLaverty	PJM Interconnection, LLC
Chris O'Hara	PJM Interconnection, LLC
Darlene Phillips	PJM Interconnection, LLC
Jason Quevada	PJM Interconnection, LLC
John Reynolds	PJM Interconnection, LLC
Jeffrey Schmitt	PJM Interconnection, LLC
Ken Schuyler	PJM Interconnection, LLC
Ken Seiler Mark Sims	PJM Interconnection, LLC
Harliv Singh	PJM Interconnection, LLC PJM Interconnection, LLC
Michelle Souder	PJM Interconnection, LLC
Richard Souder	PJM Interconnection, LLC
Mark Stanisz	PJM Interconnection, LLC
Christina Stotesbury	PJM Interconnection, LLC
Chris Terranova	PJM Interconnection, LLC
Nebiat Tesfa	PJM Interconnection, LLC
Jack Thomas	PJM Interconnection, LLC
Jen Tribulski	PJM Interconnection, LLC
Stuart Widom	PJM Interconnection, LLC
Jere Williamson Downs	PJM Interconnection, LLC
Margaret Neves	Power Engineering
Chris Benson	PowerBridge, LLC
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities
Matthew Besz	PPL Electric Utilities Corp. dba PPL Utilities

Not Applicable
Not Applicable
Not Applicable
Not Applicable
Transmission Owne
Transmission Owne Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable
Not Applicable Not Applicable
Not Applicable
Transmission Owne
Transmission Owne
Transmission Owne

PPL Electric Utilities Corp. dba PPL Utilities





Meagan Kuchan Horst Lehmann Steven Nadel **David Quier** Alexa Roonev Amanda Rumsey Christopher Szmodis Gary Greiner Qamar Arsalan Cameron DeAngelis John Dempsey Daniel Hutt Esam Khadr Leonid Lyakhovich Richard Marinelli Alex Stern Heather Svenson Caroline Tkachuk Rafael Wilches Debbie Gebolys Maura McClelland Tom Hoatson Rollie Mangonon Michael Yoder Bill Skumanich Sean Chang John Rohrbach Jennifer Hohenshilt **Brad Swalwell** Kenneth Foladare John Sillin Vince DeGiusto Adam Weber Mike Jacobs Ronnie Bailey Chris Mertz Cheri Yochelson Becky Robinson James Wilson

PPL Electric Utilities Corp. dba PPL Utilities PSEG Energy Resources and Trade LLC Public Service Electric & Gas Company Public Utilities Commission of Ohio (The) Public Utilities Commission of Ohio (The) Riverside Generating, LLC Rockland Electric Company RTO Insider RTR Energy Solutions LLC Shell Energy North America (US), LP Southern Maryland Electric Cooperative Talen Energy Marketing, LLC Tangent Energy Solutions, Inc. Tangibl The Federal Energy Regulatory Commission UGI Utilities. Inc. Union Electric Company d/b/a Ameren Missouri Union of Concerned Scientists Virginia Electric & Power Company Virginia Electric & Power Company Virginia Electric & Power Company Vistra Energy Wilson Energy Economics

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

Not Applicable

Not Applicable

Transmission Owner

Author: Molly Mooney