



As of January 18, 2022

January Planning Committee Teleconference / WebEx January 11, 2022 9:00 a.m. – 12:35 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 January 11, 2022 Planning Committee agenda. No changes to the agenda were requested.
- 3. Molly Mooney reviewed the draft December 14, 2021 Planning Committee meeting minutes and the committee approved the minutes.
- 4. Molly Mooney reviewed the 2022 PC work plan.
- X. Amanda Egan, PJM, reviewed an update to the Voting Application to retire use of weak encryption.

Dave Souder reviewed organizational updates within the Planning Division.

Endorsements (9:15 - 10:00)

5. <u>Interconnection Process Reform – Interconnection Process</u>

Jack Thomas, PJM, reviewed the new interconnection process package from the work done at the Interconnection Process Reform Task Force.

The committee endorsed the PJM package with approximately 100% support. There were 275 Yes votes, 1 No vote, and 0 Abstain. The committee voted if the proposed solution was preferable to the status quo. This vote passed with approximately 100% support - 275 Yes, 1 No, and 0 Abstain.

Materials for task force can be found <u>here.</u>

First Reads (10:00 - 11:30)

6. Interconnection Process Reform - Transition

Jack Thomas, PJM, provided a first read of the transition package(s) from the work done at the Interconnection Process Reform Task Force. The committee will be asked to vote on the transition package(s) at next month's meeting.

Materials for task force can be found <u>here</u>.

7. Deactivation Process Timing

Dave Egan, PJM, provided a first read of a proposed deactivation process timing update. The committee will be asked to approve the issue charge and endorse the proposed solution as part of the Quick Fix process outlined in Section 8.6.1 of Manual 34 at next month's meeting.





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8. TO/TOP Matrix V16

Gizella Mali, PJM, presented the proposed changes to the TO/TOP Matrix. The Committee will be requested to provide a recommendation to the TOA-AC to approve the Draft TO/TOP Matrix V16 at the next meeting.

Informational Updates (11:30 - 12:35)

9. Capacity Interconnection Rights for ELCC Resoures Update

Brian Chmielewski, PJM, provided an update of the work done during the PC special session on Capacity Interconnection Rights (CIR) for ELCC Resources.

Materials for the special sessions can be found <u>here</u>.

10. Resilience Testing Update

Grace Niu, PJM, provided an update on annual resilience testing.

11. Attachment M3 Process Update

Aaron Berner, PJM, provided an Attachment M-3 update and facilitated a discussion with stakeholders.

12. Reliability Compliance Update

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

Informational Posting

Model Build Activity Update

- MMWG
 - Dynamics
 - PJM submitted the second round of generator dynamic data and Transmission Owners' dynamic device data to PowerTech
 - PowerTech is working on dynamic cases initializations and disturbance test
- RTEP
 - Loadflow
 - Transmission Owners to provide Trial 2 updates and contingency files by January 21, 2022
 - Short Circuit
 - PJM will post the Trial 1 2024 case and associated files by January 15, 2022
- A friendly reminder The upcoming Gen Model Window for MOD-032 data submittals for applicable Generator Owners will open on Sunday, May 1st, 2022 and end on Wednesday, June 15th, 2022

Carbon Impact Report – 2020/21 Long-Term Window 1 Update

A report posted with meeting materials summarizes the carbon impacts for the Market Efficiency projects to be submitted to the February Board meeting.





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Future Meeting Dates and Materials		Materials Due	Materials	
Date	Time	Meeting (Location)	to Secretary	Published
Tuesday,	9:00 a.m. –	Planning Committee (TBD)	Thursday,	Tuesday,
January 11, 2022	12:00 p.m.		December 30, 2021	January 4, 2022
Tuesday,	9:00 a.m. –	Planning Committee (TBD)	Thursday,	Tuesday,
February 8, 2022	12:00 p.m.		January 27, 2022	February 1, 2022
Tuesday,	9:00 a.m. –	Planning Committee (TBD)	Thursday,	Tuesday,
March 8, 2022	12:00 p.m.		February 24, 2022	March 1, 2022
Tuesday,	9:00 a.m. –	Planning Committee (TBD)	Thursday,	Tuesday,
April 12, 2022	12:00 p.m.		March 31, 2022	April 5, 2022
Tuesday,	9:00 a.m. –	Planning Committee (TBD)	Thursday,	Tuesday,
May 10, 2022	12:00 p.m.		April 28, 2022	May 3, 2022
Tuesday,	9:00 a.m. –	Planning Committee (TBD)	Thursday,	Tuesday,
June 7, 2022	12:00 p.m.		May 26, 2022	May 31, 2022

Attendance List		
David Souder (Chair)	PJM Interconnection, LLC	Not Applicable
Molly Mooney (Secretary)	PJM Interconnection, LLC	Not Applicable
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Shilpa Toppo	174 Power Global	Not Applicable
Alex Camargo	8Minute Solar Energy	Not Applicable
Muhsin Abdur-Rahman	ABB	Not Applicable
Julian Prasad	Acciona Energy North America Corporation	Generation Owner
Jose Villarreal	Acciona Energy North America Corporation	Generation Owner
Sophie Graham	Adapt2 Solutions	Not Applicable
Jake Greenfield	Advanced Power	Not Applicable
Kyle Kekeisen	Advanced Power	Not Applicable
Aaron Lamb	Advanced Power	Not Applicable
Nicole Makela	Advanced Power	Not Applicable
Nick Zaborowsky	Advanced Power	Not Applicable
Benjamin Greene	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Tyler Berton	American Electric Power	Transmission Owner
Gerit Hull	American Municipal Power, Inc.	Electric Distributor
Art ller	American Municipal Power, Inc.	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Alexandros Lousos	American Municipal Power, Inc.	Electric Distributor
Lisa McAlister	American Municipal Power, Inc.	Electric Distributor
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Sari Fink	American Wind Energy Association	Not Applicable
Ash Panegal	Apex Clean Energy	Not Applicable
Richard Seide	Apex Clean Energy	Not Applicable
Brock Ondayko	Appalachain Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Terry Gates	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Craig Rutledge	Appalachian Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Zelalem Tekle	Baltimore Gas and Electric	Transmission Owner
Tom Dao	Bechtel	Not Applicable
Brian Vayda	Borough of Park Ridge	Electric Distributor
Zachary Stines	Borrego Solar	Not Applicable
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
Brett White	Brett White	Not Applicable
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
Tony Lopez-Lopez	Bryndan Associates, Inc.	Not Applicable
Greg Poulos	CAPS	Not Applicable
Nick Benjamin	Clearway Energy LLC	Not Applicable
Ling Hua	Clearway Energy LLC	Not Applicable
Bill Allen	Commonwealth Edison Company	Transmission Owner
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier





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Haibin Sun	Constellation Energy Services, Inc
Matt Litchfield	CPV Power Holdings, LP
Guy Filomena	Customized Energy Solutions, Ltd.
Lynn Horning	Customized Energy Solutions, Ltd.
Carl Johnson	Customized Energy Solutions, Ltd.
Jonathan Sasser	Customized Energy Solutions, Ltd.
Matthew Crosby	Cypress Creek Renewables, LLC
Steven Lichtin	Cypress Creek Renewables, LLC
David Capparelli	Dakota Power Partners
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David Capparell Dakota Power Partners

Ryan Dolan Dayton Power & Light Company (The)

Ron Carrier Direct Energy Business, LLC
Marji Philips Direct Energy Business, LLC

Ruth Ann Price Division of the Public Advocate of the State of Delaware

Dominion Energy Marketing, Inc. Jim Davis Dominion Energy Marketing, Inc. Rebecca Hicks Dominion Energy Marketing, Inc. Jacqui Hugee Dominion Virginia Power Tania Jones Derek Kou Dominion Virginia Power Bao Pham Dominion Virginia Power Connie Schroeder Dominion Virginia Power Ryen Lawson Dominion Virginia Power

William Jett Duke Energy Business Services LLC Duke Energy Business Services LLC Steve Steinkuhl John Sturgeon Duke Energy Carolinas, LLC Duke Energy Ohio, Inc. Jeff Baker Dan Benson Duke Energy Ohio, Inc. **Brvan Garnett** Duke Energy Ohio, Inc. Julie Mason Duke Energy Ohio, Inc. Duquesne Light Company Gian Alian Janessa Kent **Duquesne Light Company** Joe Pilch Duquesne Light Company Jason Cox Dynegy Power Marketing, Inc.

Iker Chocarro E.ON Climate & Renewables North America, Inc.

Tom Rutigliano Earth Networks

Darrin Adams
East Kentucky Power Cooperative, Inc.
Nathan Bradley
East Kentucky Power Cooperative, Inc.
Chuck Dugan
East Kentucky Power Cooperative, Inc.
Denise Foster Cronin
East Kentucky Power Cooperative, Inc.
East Light Partners
Paul Sotkiewicz
E-Cubed Policy Associates

 Paul Strikewicz
 E-cubed Policy F

 Maguette Fall
 EDF Renewable

 Arash Ghodsian
 EDF Renewable

 Anton Ptak
 EDF Renewable

John Brodbeck EDP Renewables North America LLC

Marc Aurely EN Engineering LLC

Minnie Han Enel Trading North America, LLC
Mohamed Kadous Enel Trading North America, LLC
Gaurav Mehta Enel Trading North America, LLC
Colleen Wallace Energy Exemplar

Chandra Colaresi Enerwise Global Technologies, LLC

Gina Jardot Essential Power, LLC

Thomas Leeming Exelon

Rajesh Bhana Exelon Business Services Company, LLC
Harsha Jasti Exelon Business Services Company, LLC
Sharon Midgley Exelon Business Services Company, LLC
Robert Taylor Exelon Business Services Company, LLC
Amber Thomas Exelon Business Services Company, LLC
Kevin Thundiyil Exelon Business Services Company, LLC

Roozbeh Shegarfi Exelon Generation Co., LLC Aasawari Pawar First Solar

Eric Bryant FirstEnergy Solutions Corp
Tom Bainbridge FirstEnergy Solutions Corp.

Other Supplier Generation Owner Not Applicable Not Applicable Not Applicable Not Applicable Generation Owner Generation Owner Not Applicable Transmission Owner Transmission Owner Transmission Owner Not Applicable Other Supplier Other Supplier End User Customer Generation Owner Generation Owner Generation Owner Transmission Owner Other Supplier Transmission Owner Generation Owner Generation Owner

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Draft Minutes



As of January 18, 2022

Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner
Lawrence Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Gabriella Hudis	Gabel and Associates	Not Applicable
Emma Nix	Gabel and Associates	Not Applicable
Lesley Williams	Geenex	Not Applicable
Randall Porter	Geronimo Energy	None
Tom Hyzinski	GT Power Group GT Power Group	Not Applicable
Rory Sweeney Jeff Whitehead	GT Power Group	Not Applicable Not Applicable
Matthew Wharton	Guidehouse, Inc	Not Applicable
Eveline Pelletier	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Andrew Redding	Heelstone Renewable Energy	Not Applicable
Sudipto Bhowmik	lbv Energy	Not Applicable
Zachary Callen	Illinois Commerce Commission	Not Applicable
Christine Ericson	Illinois Commerce Commission	Not Applicable
Katharine McCormick	Illinois Commerce Commission	Not Applicable
Steve Davies	Indiana Utility Regulatory Commission	Not Applicable
Dave Johnston	Indiana Utility Regulatory Commission	Not Applicable
Rob Stupar	Invenergy, LLC	Generation Owner
Matt Keenan	J-Power USA	Not Applicable
Justin McNeil	Kentucky Government	Not Applicable
Fred Rohs	Landco	Not Applicable Other Supplier
Megan Wisersky Philip Sussler	Madison Gas and Electric Maryland Public Service Commission	Not Applicable
Kathleen Wehnes	Maryland Public Service Commission	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Tracy Brecke	MEPPI	Not Applicable
Stephen Boyle	Merion Energy Solutions	Not Applicable
Nick Abraham	Michigan Public Service Commission	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
Liang Qi	Midwest Independent Transmission System Operator, Inc.	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
Abbey Li	Mitsubishi Electric Power Products Inc.	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
Anupama Janapareddy Colin Walcavich	National Grid Renewables National Grid Renewables	Not Applicable
Cullen Howe	Natural Resources Defense Council	Not Applicable Not Applicable
George Kogut	New York Power Authority	Other Supplier
Brian McArdle	NextEra Energy Transmission, LLC	Other Supplier
Jung Suh	Noble Americas Energy Solutions LLC	Other Supplier
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Divya Kurthakoti	Ocean Wind LLC	Not Applicable
Tom Schmidt	Ohio Electric Cooperatives	Not Applicable
Bill Squibb	Ohio Valley Electric	Generation Owner
Michael Cocco	Old Dominion Electric Cooperative	Electric Distributor
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Cyrus Tashakkori	Open Road Renewables, LLC	Not Applicable
Mike Volpe	Open Road Renewables, LLC	Not Applicable
Gregory Carmean	OPSI	Not Applicable
Tomas Rodriguez	OPSI Orașted	Not Applicable
Akeem Bowen Azade Brahman	Orsted	Not Applicable
Ankit Pahwa	Orsted Pattern Energy Group	Not Applicable Not Applicable
Pulin Shah	PECO Energy Company	Transmission Owner
Regan Fink	Pine Gate Renewables	Not Applicable
Andrew Grieve	Pine Gate Renewables	Not Applicable
Susan Stanfill	Pine Gate Renewables	Not Applicable
Sami Abdulsalam	PJM Interconnection, LLC	Not Applicable
David Anders	PJM Interconnection, LLC	Not Applicable
Alejandro Bautista	PJM Interconnection, LLC	Not Applicable
Stephen Bennett	PJM Interconnection, LLC	Not Applicable
Tarik Bensala	PJM Interconnection, LLC	Not Applicable
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Meagan Kuchan PPL Electric Utilities Corp. dba PPL Utilities Transmission Owner			
Weagan Ruchan PPL Electric Utilities Corp. and PPL Utilities Transmission Owner Horst Lehmann PPL Flectric Utilities Corp. dha PPL Utilities Transmission Owner			
		PPI Flectric Utilities Corp. dba PPI Utilities	





As of January 18, 2022

Steven Nadel
Lindsay Orphanides
Nick Pratt
Cleveland Richards
Amanda Rumsey
Laura Yovanovich
Ray DePillo
Roseanne Circelli
Garan Gunn
Daniel Hutt
Esam Khadr
Leonid Lyakhovich
Subomi Rahman
Alex Stern
Rafael Wilches
Brandon Young
Mahila Christopher
Ray Mason
Bryna VanBlargan
Tom Hoatson

Rollie Mangonon Michael Yoder Karthik mekala Peter Jones James Okenfuss Christian Alva

Lubaba Islam

John Rohrbach Lisa Szot

JJ Petti

Jennifer Hohenshilt Brad Swalwell Kenneth Foladare

Sriharsha Hari Brad Heisey

Syed Ahmad Jessica Johnson Edrissa Cham Aaron Vander Vorst

Chris Green
Jeff Hudson
Sonny Nguyen
Erin Baker
Ronnie Bailey

Ronnie Bailey Peter Nedwick Becky Robinson

Christian Fuess Dave Berman Wendy Warren 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 Resource Investments Riverside Generating, LLC Rockland Electric Company Rockland Electric Company

RTO Insider

RWE Renewables Americas, LLC

Savion Energy Savion Energy Scout Clean Energy

Southern Maryland Electric Cooperative

Strata Clean Energy Sun Tribe Solar, LLC Talen Energy Marketing, LLC Tangent Energy Solutions, Inc.

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Tenaska Power Services Co Tenaska Power Services Co

The Federal Energy Regulatory Commission

Timmons Group
Tradewind Energy, Inc.
Tradewind Energy, Inc.
Tri Global Energy
Urban Grid
Urban Grid

Vesper Energy Development LLC Virginia Electric & Power Company Virginia Electric & Power Company

Vistra Energy

White Pine Consulting LLC Wright & Talisman Wright & Talisman Transmission Owner Not Applicable Not Applicable Not Applicable Other Supplier Transmission Owner Transmission Owner Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable

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

Not Applicable Not Applicable

Electric Distributor

Not Applicable

Other Supplier

Author: Molly Mooney