

**May Planning Committee
Teleconference / WebEx
May 11, 2021
9:00 a.m. – 12:30 p.m. EPT**

Administration (9:00 – 9:10)

1. Dave Souder, PJM, called the meeting to order. Molly Mooney, PJM, reviewed the Antitrust, Code of Conduct, media participation, and WebEx guidelines. The committee will be using the voting application for all endorsement items at the May meeting.
2. Molly Mooney reviewed the May 11, 2021 Planning Committee Agenda. No changes to the agenda were requested.
3. Molly Mooney reviewed the draft April 6, 2021 Planning Committee meeting minutes and the committee approved the minutes.

Endorsements (9:10 – 10:20)

4. Interconnection Construction Service Agreement Superseding Language and Automatic Termination Provision
Mark Sims, PJM, reviewed a problem statement, issue charge and proposed solution to address concerns associated with the pro forma Interconnection Construction Service Agreement's (a) lack of superseding language and (b) current automatic termination provision. Draft Tariff language was posted with meeting materials for informational purposes. **The committee approved the issue charge and endorsed the proposed solution for the Interconnection Construction Service Agreement Superseding Language and Automatic Termination Provision as part of the Quick Fix process with 99% support. There were 175 Yes votes, 1 No vote, and 18 Abstain. The committee voted if the proposed solution was preferable to the status quo. This vote passed with 92% support - 162 Yes, 14 No, and 15 Abstain.**
5. New Service Requests Deficiency Review Requirements
Jason Connell, PJM, reviewed a problem statement, issue charge and proposed solution to address new service requests deficiency review requirements. Draft Tariff language was posted with meeting materials for informational purposes. **The committee approved the issue charge and endorsed the proposed solution for the New Service Requests Deficiency Review Requirements as part of the Quick Fix process with approximately 100% support. There were 213 Yes votes, 1 No vote, and 2 Abstain. The committee voted if the proposed solution was preferable to the status quo. This vote passed with 100% support - 197 Yes, 0 No, and 1 Abstain.**
6. Manual 14F and Manual 14B Updates
Nick Dumitriu, PJM, provided a review of Manual 14F and Manual 14B conforming language for MEPETF capacity driver docket (ER21-162). **The committee endorsed the manual changes with 100% support. There were 174 Yes votes, 0 No votes, and 25 Abstain.**

7. Manual 21: Rules and Procedures for Determining Generating Capability Update
Jerry Bell, PJM, provided a review of Manual 21 regarding the biennial cover to cover review. **The committee endorsed the manual changes with 100% support. There were 190 Yes votes, 0 No votes, and 10 Abstain.**

First Reads (10:20 – 10:30)

8. 2021 RRS Assumptions
Jason Quevada, PJM, presented the 2021 Reserve Requirement Study assumptions as developed in the Resource Adequacy Analysis Subcommittee. The committee will be requested to endorse the study assumptions at the June PC meeting.

Informational Updates (10:30 – 12:30)

9. Critical Infrastructure Stakeholder Oversight Update
Michael Herman, PJM, provided an update on next steps regarding CISO Mitigation stakeholder process. The Mitigation piece was remanded back to the Planning Committee from the Markets and Reliability Committee to ensure the Operating Agreement language reflects the PC approved CISO Mitigation Package. Additionally, PJM provided an update on the Avoidance portion of the CISO package stating that this portion of the package will be brought for a vote at the May MRC, following a one month requested delay.
10. Capacity Interconnection Rights for ELCC Resources Update
Brian Chmielewski, PJM, provided an update on work being done during the PC special session on Capacity Interconnection Rights (CIR) for ELCC Resources.
11. Interconnection Process Reform and Queue Status Update
Jason Connell provided an update on the Interconnection Process Reform Task Force and recent Interconnection Queue statistics.
12. Update on FERC Order Rejecting ELCC Proposal
Thomas DeVita and Andrew Levitt described the FERC Order rejecting the Effective Load Carrying Capability (ELCC) proposal, FERC's deadlines for a paper hearing on current capacity accreditation rules, the option to file a revised ELCC proposal, and potential next steps.
13. PHI Transmission Facility Rating Change Communications
Doug Dale, Exelon, discussed PHI transmission facility rating changes.
14. Transmission & Substation Subcommittee Update
~~Jay Liu, PJM, will provide an update on the TSS work activities through 2020 and the first half of 2021 and a work plan for the remainder of the year.~~ Due to timing constraints, this item was deferred until next Planning Committee meeting.
15. Reliability Compliance Update
Becky Davis, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RE.

Informational Posting

Model Build Activity Update

2021 Series RTEP

- Powerflow
 - PJM staff will internally review the cases in May 2021 and work with the Transmission Owners to finalize the cases
- Short Circuit
 - 2023 short circuit case was updated with the feedback received from the Transmission Owners and breaker duty analysis was performed; Transmission Owners identified as required to build baseline projects were contacted requesting details on the project
 - 2026 short circuit trial 2 case was updated with the feedback received from the Transmission Owners and was delivered to PJM's Transmission Planning Department on 4/30/2021

2020 Series MMWG

- Dynamics
 - Pre-final dynamics cases are past due and expected to be out in the next several weeks; Voting to finalize 2020 Series MMWG dynamics cases will take approximately 1 week after the pre-final cases are released; The cases will be posted to PJM.com once they are finalized

2021 Series MMWG


- Powerflow
 - PowerTech will post the Trial 1 2021 winter study case by May 7, 2021; Transmissions Owners to provide updates to the case by May 13, 2021; PJM will submit the updates to PowerTech on May 14, 2021
 - PowerTech will post the Trial 2 2021 winter study case by May 17, 2021; Transmissions Owners to provide updates to the case by May 20, 2021; PJM will submit the updates to PowerTech on May 21, 2021
 - Transmission Owners to submit updates to project files, provide load and device profiles for 12 cases via Model on Demand; internal and external tie line updates are required as well, all updates are due by May 28, 2021

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 2021 forms; For any questions or comments email MOD-032@pjm.com
- Gen Model link: <https://pjm.com/planning/services-requests/planning-modeling-submission-mod032.aspx>

PJM Transmission Owners Announcement

A PJM Transmission Owners informational [notice](#) is posted with materials regarding Funding of Network Upgrades.

Future Meeting Dates and Materials			Materials Due to Secretary 	Materials Published
Date	Time	Meeting (Location)		
Friday, May 21, 2021	9:00 a.m. – 12:00 p.m.	Special PC: CIR for ELCC Resources (WebEx)	Thursday, May 13, 2021	Tuesday, May 18, 2021
Tuesday, June 1, 2021	9:00 a.m. – 4:00 p.m.	Interconnection Process Reform Task Force (WebEx)	Monday, May 24, 2021	Thursday, May 27, 2021
Tuesday, June 8, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee (WebEx)	Thursday, May 27, 2021	Tuesday, June 01, 2021
Tuesday, June 22, 2021	9:00 a.m. – 12:00 p.m.	Special PC: CIR for ELCC Resources (WebEx)	Tuesday, June 15, 2021	Friday, June 18, 2021
Tuesday, June 29, 2021	9:00 a.m. – 4:00 p.m.	Interconnection Process Reform Task Force (WebEx)	Monday, June 21, 2021	Thursday, June 24, 2021

Tuesday, July 13, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee (WebEx)	Thursday, July 01, 2021	Tuesday, July 06, 2021
Monday, July 19, 2021	9:00 a.m. – 4:00 p.m.	Interconnection Process Reform Task Force (WebEx)	Friday, July 09, 2021	Wednesday, July 14, 2021
Thursday, July 22, 2021	9:00 a.m. – 12:00 p.m.	Special PC: CIR for ELCC Resources (WebEx)	Wednesday, July 14, 2021	Monday, July 19, 2021
Tuesday, August 10, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee (WebEx)	Thursday, July 29, 2021	Tuesday, August 03, 2021
Friday, August 13, 2021	1:00 p.m. – 4:00 p.m.	Special PC: CIR for ELCC Resources (WebEx)	Thursday, August 05, 2021	Tuesday, August 10, 2021
Monday, August 23, 2021	9:00 a.m. – 4:00 p.m.	Interconnection Process Reform Task Force (WebEx)	Friday, August 13, 2021	Wednesday, August 18, 2021
Tuesday, August 31, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee (WebEx)	Thursday, August 19, 2021	Tuesday, August 24, 2021
Tuesday, September 21, 2021	9:00 a.m. – 12:00 p.m.	Special PC: CIR for ELCC Resources (WebEx)	Tuesday, September 14, 2021	Friday, September 17, 2021
Tuesday, October 5, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee (WebEx)	Thursday, September 23, 2021	Tuesday, September 28, 2021
Tuesday, November 2, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee (WebEx)	Thursday, October 21, 2021	Tuesday, October 26, 2021
Tuesday, November 30, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee (WebEx)	Thursday, November 18, 2021	Tuesday, November 23, 2021

Attendance List

David Souder (Chair)
Molly Mooney (Secretary)

PJM Interconnection, LLC
PJM Interconnection, LLC

Not Applicable
Not Applicable

Rebecca Marcotte
Makenna Harris
Ed Achaab
Byron Crawford
Tyler Berton
Gerit Hull
Art Iler
Steven Lieberman
Alexandros Lousos
Gary Fuerst
ash panegal
Richard Seide
Brock Ondayko
David Canter
Terry Gates
Takis Laios
Kevin Kilgallen
Zelalem Tekle
Hugh Scott
Eric Yeh
Ron Pezon
Diane Janicki
Stephen Kelly
Tony Lopez-Lopez
Greg Poulos
Bill Allen
Ron Regner
Haibin Sun
Guy Filomena
Lynn Horning
Carl Johnson
Jonathan Sasser
Ryan Dolan
John Horstmann

Acciona Energy North America Corporation
Adapt2 Solutions
AEP Energy Partners, Inc.
Amazon Energy LLC
American Electric Power
American Municipal Power, Inc.
American Municipal Power, Inc.
American Municipal Power, Inc.
American Municipal Power, Inc.
American Transmission Systems, Inc.
Apex Clean Energy
Apex Clean Energy
Appalachian Power Company
Appalachian Power Company
Appalachian Power Company
Appalachian Power Company
Avangrid Renewables LLC
Baltimore Gas and Electric
Baltimore Gas and Electric Company
Baltimore Gas and Electric Company
Borough of Chambersburg
Boston Energy Trading and Marketing LLC
Brookfield Energy Marketing LP
Bryndan Associates, Inc.
CAPS
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.
Dayton Power & Light Company (The)
Dayton Power & Light Company (The)

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

Dimitar Kozhuharov	Delaware Public Service Commission	Not Applicable
David Hastings	Dhast Co	Not Applicable
Jim Davis	Dominion Energy Marketing, Inc.	Generation Owner
Tania Jones	Dominion Virginia Power	Transmission Owner
Kyle Thomas	Dominion Virginia Power	Transmission Owner
Ryen Lawson	Dominion Virginia Power	Transmission Owner
William Jett	Duke Energy Business Services LLC	Transmission Owner
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
Jeff Baker	Duke Energy Ohio, Inc.	Transmission Owner
Dan Benson	Duke Energy Ohio, Inc.	Transmission Owner
Bryan Garnett	Duke Energy Ohio, Inc.	Transmission Owner
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Joe Pilch	Duquesne Light Company	Transmission Owner
Tom Rutigliano	Earth Networks	Other Supplier
Darrin Adams	East Kentucky Power Cooperative, Inc.	Transmission Owner
Nathan Bradley	East Kentucky Power Cooperative, Inc.	Transmission Owner
Chuck Dugan	East Kentucky Power Cooperative, Inc.	Transmission Owner
Paul Sotkiewicz	E-Cubed Policy Associates	Not Applicable
Anton Ptak	EDF Renewable	Not Applicable
John Brodbeck	EDP Renewables North America LLC	Generation Owner
Salil Pradhan	Elk Hill Solar 1, LLC	Not Applicable
Gaurav Mehta	Enel Trading North America, LLC	Other Supplier
Steve Huntton	Energy Counsel, LLP	Not Applicable
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Not Applicable
Gina Jardot	Essential Power, LLC	Generation Owner
Thomas Leeming	Exelon	Transmission Owner
Rajesh Bhana	Exelon Business Services Company, LLC	Transmission Owner
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Amber Thomas	Exelon Business Services Company, LLC	Transmission Owner
Kevin Thundiylil	Exelon Business Services Company, LLC	Transmission Owner
Roozbeh Shegarfi	Exelon Generation Co., LLC	Generation Owner
Tom Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Lawrence Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Stephen Tutor	FirstEnergy Solutions Corp.	Transmission Owner
Angela Plummer	GridSME	Not Applicable
Tom Hyzinski	GT Power Group	Not Applicable
Rory Sweeney	GT Power Group	Not Applicable
Jeff Whitehead	GT Power Group	Not Applicable
Andrew Redding	Heelstone Renewable Energy	Not Applicable
Zachary Callen	Illinois Commerce Commission	Not Applicable
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
Rob Stupar	Invenergy, LLC	Generation Owner
Matt Keenan	J-Power USA	Not Applicable
Megan Wisersky	Madison Gas and Electric	Other Supplier
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
Alexandria Koepplinger	Michigan Public Service Commission	Not Applicable
Jennifer Phillips	Middle River Power I, LLC	Not Applicable
Christin Doman	Mitsubishi Electric Power Products Inc.	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
Anupama Janapareddy	National Grid Renewables	Not Applicable
Cullen Howe	Natural Resources Defense Council	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Sarah Ladin	New York University	Not Applicable
David Davis	NextEra Energy Power Marketing, LLC	Generation Owner
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Ruth Holdbrook	Northern Virginia Electric Cooperative	Electric Distributor
Rao Konidena	Not Applicable	Not Applicable
Erik Heinle	Office of the Peoples Counsel for the District of Columbia	End User Customer
Bill Squibb	Ohio Valley Electric	Generation Owner



Draft Minutes

As of May 19, 2021

Michael Cocco	Old Dominion Electric Cooperative	Electric Distributor
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Farrokh Rahimi	Open Access Technology International, Inc.	Not Applicable
Gregory Carmean	OPSI	Not Applicable
Tomas Rodriguez	OPSI	Not Applicable
Regina Carrado	PECO Energy Company	Transmission Owner
Douglas Dale	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
David Anders	PJM Interconnection, LLC	Not Applicable
Alejandro Bautista	PJM Interconnection, LLC	Not Applicable
Jerry Bell	PJM Interconnection, LLC	Not Applicable
Daniel Bennett	PJM Interconnection, LLC	Not Applicable
Tarik Bensala	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Matthew Bernstein	PJM Interconnection, LLC	Not Applicable
Mike Bryson	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
Becky Davis	PJM Interconnection, LLC	Not Applicable
Thomas DeVita	PJM Interconnection, LLC	Not Applicable
Nicolae Dumitriu	PJM Interconnection, LLC	Not Applicable
Amanda Egan	PJM Interconnection, LLC	Not Applicable
David Egan	PJM Interconnection, LLC	Not Applicable
Janell Fabiano	PJM Interconnection, LLC	Not Applicable
Tom Falin	PJM Interconnection, LLC	Not Applicable
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Brian Fitzpatrick	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Joe Hay	PJM Interconnection, LLC	Not Applicable
Suzanne Herel	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Mike Hickey	PJM Interconnection, LLC	Not Applicable
Richard Konowal	PJM Interconnection, LLC	Not Applicable
Matt LaRocque	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Jay Liu	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Jeffrey McLaughlin	PJM Interconnection, LLC	Not Applicable
Shaun Murphy	PJM Interconnection, LLC	Not Applicable
Medha Pai	PJM Interconnection, LLC	Not Applicable
Melissa Pilon	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Ken Schuyler	PJM Interconnection, LLC	Not Applicable
Ken Seiler	PJM Interconnection, LLC	Not Applicable
Jason Shoemaker	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Michelle Souder	PJM Interconnection, LLC	Not Applicable
Jack Thomas	PJM Interconnection, LLC	Not Applicable
Jen Tribulski	PJM Interconnection, LLC	Not Applicable
Jeanine Watson	PJM Interconnection, LLC	Not Applicable
Stuart Widom	PJM Interconnection, LLC	Not Applicable
Jere Williamson Downs	PJM Interconnection, LLC	Not Applicable
Koushy Nareshkumar	Potomac Electric Power	Electric Distributor
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Homam Kamhia	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Meagan Kuchan	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Horst Lehmann	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Cleveland Richards	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Alexa Rooney	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Mariam Chatha	Public Service Electric & Gas Company	Transmission Owner

Roseanne Circelli
Cameron DeAngelis
Daniel Hutt
Esam Khadr
Leonid Lyakhovich
Richard Marinelli
Alex Stern
Heather Svenson
Mahila Christopher
Tom Hoatson
Lubaba Islam
Rollie Mangonon
Michael Yoder
Bill Skumanich
Wonbae Choi
James Okenfuss
Sean Chang
John Rohrbach
Stephan Thunell
Jennifer Hohenshilt
Hamid Kazerooni
Kenneth Foladare
Brad Heisey
Boone Staples
Charles Askey
Jessica Johnson
Vince DeGiusto
Adam Weber
Ronnie Bailey
Becky Robinson
Christian Fuess
Cristina Drivas
James Wilson

Public Service Electric & Gas Company
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Public Service Electric & Gas Company
Public Service Electric & Gas Company
Public Utilities Commission of Ohio (The)
Riverside Generating, LLC
Rockland Electric Company
Rockland Electric Company
RTO Insider
RTR Energy Solutions LLC
Samsung Renewable Energy Inc.
Savion Energy
Shell Energy North America (US), LP
Southern Maryland Electric Cooperative
SPT Engineering
Talen Energy Marketing, LLC
Talen Energy Marketing, LLC
Tangibl
Tenaska Power Services Co
Tenaska Power Services Co
Timmons Group
Timmons Group
UGI Utilities, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia Electric & Power Company
Vistra Energy
White Pine Consulting LLC
Whitetail Solar 1, LLC
Wilson Energy Economics

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

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