

**April Planning Committee
Teleconference / WebEx
April 6, 2021
9:00 a.m. – 11:30 a.m. EPT**

Administration (9:00 – 9:30)

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 endorsement items due to previous vote counting issues with the acclimation vote approach.
2. Molly Mooney reviewed the April 6, 2021 Planning Committee Agenda. An additional update regarding next steps with the Black Start process will be shared after agenda item 3 (noted below as 3A). Alex Stern, PSEG, raised a clarifying question and PJM confirmed that the PS proposed friendly amendment would be discussed as part of agenda item 8. No other changes to the agenda were requested.
3. Molly Mooney reviewed the draft minutes posted for the March 9, 2021 meeting and the Planning Committee approved the minutes.
 - 3A. Mike Bryson, PJM, updated the Planning Committee on PJM's plan to move forward with a Black Start 205 FERC filing.
4. Dave Anders, PJM, provided an update on the voting protocols for Board elections at the May Members Committee meeting.
5. Molly Mooney reviewed the 2021 PC Work Plan, updating progress through the end of the first quarter and highlighting remaining items for 2021.

Endorsements (9:30 – 10:15)

6. CIR Problem Statement/Issue Charge
Jonathan Kern, PJM, reviewed a problem statement and issue charge to address the Capacity Interconnection Rights. **The Capacity Interconnection Rights issue charge passed with 99% support. There were 196 Yes votes, 1 No vote, and 1 Abstention.**
7. Interconnection Process Reform
Jason Connell, PJM, reviewed a problem statement and issue charge to address Interconnection Process Reform. **The Interconnection Process Reform issue charge passed with 100% support. There were 223 Yes votes, 0 No votes, and 1 Abstention.**
8. 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 versions of associated Tariff language were posted with meeting materials for informational purposes. Alex Stern, PSEG, discussed a proposed friendly amendment which was posted with meeting materials. After stakeholder discussion, it was decided by the Chair to defer the vote. 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 the May PC meeting.

First Reads (10:15 – 11:00)

9. Manual 14F and Manual 14B Updates
Nick Dumitriu, PJM, provided a first read of Manual 14F and Manual 14B conforming language for MEPETF capacity driver docket (ER21-162). The committee will be asked to vote on the manual changes at next month's meeting.
10. New Service Requests Deficiency Review Requirements
Jason Connell, PJM, provided a second first read of a Problem Statement, Issue Charge and proposed solution to address new service requests deficiency review requirements. Draft versions of associated Tariff language were posted with meeting materials for informational purposes. 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 the May PC meeting.
11. Manual 21: Rules and Procedures for Determining Generating Capability Update
Jerry Bell, PJM, provided a first read of Manual 21 regarding the biennial cover to cover review. The committee will be asked to vote on the manual changes at next month's meeting.

Informational Updates (11:00 – 11:30)

12. Manual Updates Regarding Effective Load Carrying Capability (ELCC)
Andrew Levitt, PJM, provided an overview of ELCC and previewed updates for Manual 20: PJM Resource Adequacy Analysis, Manual 21: Rules and Procedures for Determination of Generating Capability, and a new Manual 21A: Determination of Accredited UCAP Using Effective Load Carrying Capability Analysis. These manual updates were provided to the PC as informational only as the CCSTF under the MRC is responsible for developing manual updates associated with ELCC.
13. Reliability Compliance Update
Becky Davis, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.
14. Posting Timeline Trial Period
Michele Greening, PJM, reviewed information related to a proposed posting timeline trial period.
15. Emerging Technologies Forum Survey
Natalie Tacka, PJM, provided an informational announcement about a forthcoming stakeholder survey related to emerging technologies.

Informational Posting

Model Build Activity Update

2021 Series RTEP

- Powerflow
 - PJM staff will internally review the cases in April 2021 and work with the Transmission Owners to finalize the cases
- Short Circuit
 - Transmission Owners were required to provide their feedback for the Trial 3 2023 case and the Trial 1 2026 case by March 26, 2021; PJM is incorporating the feedback for both cases; Preliminary 2026 results will be sent out within the next several weeks by Transmission Planning

2020 Series MMWG

- Dynamics
 - Pre-final 2020 Series MMWG dynamics cases are expected to be out for review by April 7, 2021; Voting to finalize 2020 Series MMWG dynamics cases expected April 14, 2021; The cases will be posted to PJM.com once they are finalized

2021 Series MMWG

- Powerflow
 - PJM submitted a request for Transmission Owners to update existing projects, upload new projects and update base case in Model-on-Demand by April 2, 2021
 - PJM posted the 1, 2, & 5 year summer cases for topology review on April 5, 2021; Transmission Owners to submit project file updates to Model On Demand based on 1, 2 & 5 year summer cases review by April 16, 2021
 - PJM to request 2021WIN Study Case updates by April 8, 2021; Transmission Owners to provide updates to initial 2021WIN Study Case by April 29, 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
- The 2021 yearly updates to the Gen Model Users Guide and MOD-032 Data Requirements Documents will be issued in early April. All applicable contacts on the Gen Model Mailing List will be informed via a separate email when the updated documents are publically available.
- Gen Model link: <https://pjm.com/planning/services-requests/planning-modeling-submission-mod032.aspx>

Manual 03 Updates

Updates to PJM Manual 03, Revision 59 – Transmission Operations are posted as informational only with meeting materials.

PJM Manual 03 Attachment E Automatic Sectionalizing Schemes

The PJM Manual 03 Attachment E Automatic Sectionalizing Schemes Pending Approval and Recent Changes document has been posted as an Information Only item to the April meeting website.

Future Meeting Dates

Tuesday, May 11, 2021 *** *** materials due to secretary April 29, 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	WebEx
Tuesday, August 10, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee	WebEx
Tuesday, August 31, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee	WebEx
Tuesday, October 5, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee	WebEx
Tuesday, November 2, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee	WebEx
Tuesday, November 30, 2021	9:00 a.m. – 12:00 p.m.	Planning Committee	WebEx

Attendance List

David Souder (Chair)	PJM Interconnection, LLC	Not Applicable
Molly Mooney (Secretary)	PJM Interconnection, LLC	Not Applicable
Makenna Harris	Adapt2 Solutions	Not Applicable
Ed Achaab	AEP Energy Partners, Inc.	Other Supplier
Tyler Berton	American Electric Power	Transmission Owner
Art Iler	American Municipal Power, Inc.	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Vince Guntle	American PowerNet Management, L.P.	End User Customer
Rachel Elkins	American Transmission Systems, Inc.	Transmission Owner
Gary Fuerst	American Transmission Systems, Inc.	Transmission Owner
Brock Ondayko	Appalachian Power Company	Transmission Owner
Terry Gates	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Zelalem Tekle	Baltimore Gas and Electric	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Tom Jens	Black Oak Energy, LLC	Other Supplier
Ron Pezon	Borough of Chambersburg	Electric Distributor
Liz Delaney	Borrego Solar	Not Applicable
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
Tony Lopez-Lopez	Bryndan Associates, Inc.	Not Applicable
Greg Poulos	CAPS	Not Applicable
Bill Allen	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Ron Regner	Commonwealth Edison Company	Transmission Owner
Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	Not Applicable
Lynn Horning	Customized Energy Solutions, Ltd.	Not Applicable
Carl Johnson	Customized Energy Solutions, Ltd.	Not Applicable
Jonathan Sasser	Customized Energy Solutions, Ltd.	Not Applicable
Ryan Dolan	Dayton Power & Light Company (The)	Transmission Owner
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
David Hastings	Dhast Co	Not Applicable
Tania Jones	Dominion Virginia Power	Transmission Owner
Connie Lowe	Dominion Virginia Power	Not Applicable
Kyle Thomas	Dominion Virginia Power	Transmission Owner
Wesley Hudson	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
Julie Mason	Duke Energy Ohio, Inc.	Transmission Owner
Gian Alian	Duquesne Light Company	Transmission Owner
Joe Pilch	Duquesne Light Company	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
John Brodbeck	EDP Renewables North America LLC	Generation Owner
Gaurav Mehta	Enel Trading North America, LLC	Other Supplier
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 Thundiyl	Exelon Business Services Company, LLC	Transmission Owner
Roozbeh Shegarfi	Exelon Generation Co., LLC	Generation Owner
Aasawari Pawar	First Solar	Not Applicable

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
Emma Nix	Gabel and Associates	Not Applicable
Donna Robichaud	Geenex	Not Applicable
Rafik Halim	Geronimo Energy	None
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
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
Brandon Bowen	Indiana Utility Regulatory Commission	Not Applicable
Dave Johnston	Indiana Utility Regulatory Commission	Not Applicable
Rob Stupar	Invenery, LLC	Generation Owner
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Sharon Segner	LS Power Transmission, LLC	Transmission Owner
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 Koeppinger	Michigan Public Service Commission	Not Applicable
Christin Domian	Mitsubishi Electric Power Products Inc.	Not Applicable
John Hyatt	Monitoring Analytics	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
David Davis	NextEra Energy Power Marketing, LLC	Generation Owner
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Rigoberto Milla	NextEra Energy Transmission, LLC	Other Supplier
Fred Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Rao Konidena	Not Applicable	Not Applicable
Brian Kauffman	NRG Curtailment Solutions	Other Supplier
Yohannes Mariam	Office of the Peoples Counsel for the District of Columbia	End User Customer
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Tomas Rodriguez	OPSI	Not Applicable
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
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
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Craig Glazer	PJM Interconnection, LLC	Not Applicable
Michele Greening	PJM Interconnection, LLC	Not Applicable
Joe Hay	PJM Interconnection, LLC	Not Applicable
Michael Herman	PJM Interconnection, LLC	Not Applicable
Mike Hickey	PJM Interconnection, LLC	Not Applicable
Jack Keegan	PJM Interconnection, LLC	Not Applicable
Jonathan Kern	PJM Interconnection, LLC	Not Applicable

Richard Konowal	PJM Interconnection, LLC	Not Applicable
Ed Kovler	PJM Interconnection, LLC	Not Applicable
Matt LaRocque	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Jeremy Lin	PJM Interconnection, LLC	Not Applicable
Jessica Lynch	PJM Interconnection, LLC	Not Applicable
Susan McGill	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Megan McLaverty	PJM Interconnection, LLC	Not Applicable
Shaun Murphy	PJM Interconnection, LLC	Not Applicable
Darlene Phillips	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Patricio Rocha-Garrido	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
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Michelle Souder	PJM Interconnection, LLC	Not Applicable
Natalie Tacka	PJM Interconnection, LLC	Not Applicable
Nebiat Tesfa	PJM Interconnection, LLC	Not Applicable
Jack Thomas	PJM Interconnection, LLC	Not Applicable
Jen Tribulski	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
Rafael Cintron-Cuevas	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
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Alexa Rooney	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Roseanne Circelli	Public Service Electric & Gas Company	Transmission Owner
Cameron DeAngelis	Public Service Electric & Gas Company	Transmission Owner
Daniel Hutt	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Richard Marinelli	Public Service Electric & Gas Company	Transmission Owner
Alex Stern	Public Service Electric & Gas Company	Transmission Owner
Heather Svenson	Public Service Electric & Gas Company	Transmission Owner
Rahul Anilkumar	Quanta Technology LLC	Not Applicable
Ray Mason	ReliabilityFirst Corporation	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Lubaba Islam	Rockland Electric Company	Transmission Owner
Rollie Mangonon	Rockland Electric Company	Transmission Owner
Michael Yoder	RTO Insider	Not Applicable
Bill Skumanich	RTR Energy Solutions LLC	Not Applicable
James Okenfuss	Savion Energy	Not Applicable
Sean Chang	Shell Energy North America (US), LP	Other Supplier
Jennifer Hohenshiit	Talen Energy Marketing, LLC	Generation Owner
Hamid Kazerooni	Talen Energy Marketing, LLC	Generation Owner
Brad Swalwell	Tangent Energy Solutions, Inc.	Other Supplier
Kenneth Foadare	Tangibl	Not Applicable
Brad Heisey	Tenaska Power Services Co	Generation Owner
Adam Weber	Union Electric Company d/b/a Ameren Missouri	Other Supplier
Becky Robinson	Vistra Energy	Not Applicable

Author: Molly Mooney