

April Planning Committee

Teleconference / WebEx

April 14, 2020

9:00 a.m. – 12:50 p.m. EPT

Administration (9:00-9:20)

1. Mr. Dave Souder, PJM, called the meeting to order and Ms. Molly Mooney, PJM, reviewed the Antitrust, Code of Conduct, media participation, and WebEx guidelines.
2. Ms. Molly Mooney reviewed the April 14, 2020 Planning Committee Agenda. There was discussion regarding agenda Item 9 and the possibility of a vote. PJM will be more clearly mark the Agenda if a known vote will take place.
3. Ms. Molly Mooney reviewed the draft minutes posted for the March 10th, 2020 meeting and the Planning Committee approved the minutes.
4. Ms. Molly Mooney reviewed the 2020 Planning Committee work plan including work through the end of the first quarter along with the remaining planned work for 2020.

Endorsements

First Reads (9:20 - 9:55)

5. **Storage as Transmission Asset**

Mr. Jeff Goldberg, PJM, introduced a problem statement/issue charge regarding storage as a transmission asset. PJM solicited feedback regarding the issue charge and stakeholders discussed their concerns. The Committee will be asked to vote on the issue charge at its next meeting.

Informational Updates (9:55 – 12:50)

6. **Market Efficiency Process Enhancement Task Force Update**

A: LS Power Legal Memo

Ms. Sharon Segner, LS Power, reviewed a legal memo regarding cost allocation for a new category of regional projects.

B: Transmission Owner Response

Mr. Alex Stern, PSEG, provided a response from the transmission owners regarding the LS Power legal memo.

The Committee will be asked to vote on the packages for Market Efficiency Process Enhancement Task Force at its next meeting.

7. **Competitive Planner Update**

Ms. Ilyana Dropkin, PJM, presented the Competitive Planner application, a new web-based form or application that is developed for Transmission Owners and Developers to participate in the PJM competitive planning process.

8. **FERC Order on Form 715 Compliance Filing Update**

Ms. Pauline Foley, PJM, provided an update on recent FERC Orders on Form 715 Compliance Filings.

9. **Critical Infrastructure Stakeholder Oversight Update**

A: Review of Special Planning Committee Sessions Work

Ms. Christina Stotesbury, PJM, discussed the work being done at the Critical Infrastructure Stakeholder Oversight Special Planning Committee sessions.

B: Exelon Proposed Revised Issue Charge – Critical Infrastructure Stakeholder Oversight

Mr. Robert Taylor, Exelon, presented a redline version of the Critical Infrastructure Stakeholder Oversight Issue Charge. After stakeholder discussion, Exelon agreed to work on wording in the redline version with other stakeholders before making a motion to vote.

10. **Reliability Compliance Update**

Mr. Preston Walker, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.

11. **Load Forecast Update**

Mr. Andrew Gledhill, PJM, provided an update on estimated Covid-19 impacts on recent loads.

Informational Posting

Model Build Activity Update

- The 2020 series RTEP Trial 3 powerflow cases and associated files are being reviewed by PJM staff and the Transmission Owners. PJM is incorporating the feedback received from the Transmission Owners for both the 2 year and 5 year 2020 series RTEP short circuit cases. Preliminary 5 year results will be sent out in the next couple weeks by Transmission Planning.
- PJM provided the 2020 series MMWG 1, 2 and 5 year Pre-Trial 0 summer cases to the Transmission Owners for topology review. Transmission Owners will provide any necessary updates to the 1, 2 and 5 year summer cases via Model On Demand by April 17, 2020.

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 2020 forms. Gen Model link: <https://pjm.com/planning/services-requests/planning-modeling-submission-mod-032.aspx>; for any questions or comments email MOD-032@pjm.com

- Generator owners should check for an updated version of the User Guide closer to the window open date.

Effective Load Carrying Capability Problem Statement/Issue Charge

The ELCC issue charge approved at the MRC on April 26th, formed a new senior task force called Capacity Capability Senior Task Force (CCSTF). The CCSTF has its first meeting on 4/7.

System Planning 201 Course

This one-day training course, scheduled for April 27th, provides a detailed review of PJM's Regional Transmission Expansion Planning (RTEP) process. This course is designed to educate participants on both the reliability and market efficiency aspects of the 15-year planning horizon.

Please visit link to register: [System Planning 201](#)

M14 Cost Containment

The latest version of M14F - Competitive Planning Process is updated to include all previously approved changes and is posted to PJM.com.

Manual 03 Updates

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

Manual 03 Attachment E Updates

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

Future Meeting Dates

Tuesday, April 28, 2020	1:00 p.m. – 4:00 p.m.	Special PC: Critical Infrastructure	PJM Conference & Training Center/ WebEx
Tuesday, May 12, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Thursday, May 21, 2020	9:00 a.m. – 12:00 p.m.	Special PC: Critical Infrastructure	
Tuesday, June 02, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Friday, June 19, 2020	1:00 p.m. – 4:00 p.m.	Special PC: Critical Infrastructure	PJM Conference & Training Center/ WebEx
Tuesday, July 07, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, August 04, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, September 01, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, October 06, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Wednesday, November 04, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx
Tuesday, December 01, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	PJM Conference & Training Center/ WebEx

Attendance List

David Souder (Chair)	PJM Interconnection, LLC	Not Applicable
Molly Mooney (Secretary)	PJM Interconnection, LLC	Not Applicable
Muhsin Abdur-Rahman	ABB	Not Applicable
Eric Lavery	Aces	Electric Distributor
Robert Cundiff	AEP Energy Partners, Inc.	Other Supplier
Tyler Berton	American Electric Power	Not Applicable
Ryan Dolan	American Municipal Power	Electric Distributor

Gerit Hull
Steven Lieberman
Gary Fuerst
Brock Ondayko
David Canter
Chad Heitmeyer
Dana Horton
Takis Laios
Craig Lockwood
Kevin Kilgallen
Gary Guy
Eric Yeh
Tom Jens
Ron Pezon
Brian Vayda
Diane Janicki
Stephen Kelly
Greg Poulos
Dan McGraw
Bill Allen
Paul Mills
Ron Regner
Rehan Gilani
Haibin Sun
David Lawson
Guy Filomena
Lynn Horning
Carl Johnson
Jonathan Sasser
Chris Jylkka
Tim Bockhorn
John Horstmann
Michael Russ
Joe DeLosa
David Hastings
Marji Philips
Mark Gill
Kyle Hannah
Tania Jones
Connie Lowe
Bao Pham
Ryen Lawson
Gregory Pakela
William Jett
Julie Mason
Mandy Meadors
Steve Abate
Gian Alian
Joe Pilch
Patrick Grau
Iker Chocarro
Tom Rutigliano
Devin McDougall
Darrin Adams
Nathan Bradley
Chuck Dugan
John Brodbeck
Jeffrey Tomich
Kathiann Kowalski
Sharon Thomas
Michael Engleman
Thomas Leeming
Jason Barker
Harsha Jasti
Sharon Midgley

American Municipal Power, Inc.
American Municipal Power, Inc.
American Transmission Systems, Inc.
Appalachian Power Company
Appalachian Power Company
Appalachian Power Company
Appalachian Power Company
Appalachian Power Company
Appalachian Power Company
Avangrid Renewables LLC
Baltimore Gas and Electric Company
Baltimore Gas and Electric Company
Black Oak Energy, LLC
Borough of Chambersburg
Borough of Park Ridge
Boston Energy Trading and Marketing LLC
Brookfield Energy Marketing LP
CAPS
Carbon Pulse
Commonwealth Edison Company
Commonwealth Edison Company
Commonwealth Edison Company
ConEdison Energy, Inc.
Constellation Energy Services, Inc.
CPV Fairview, LLC
Customized Energy Solutions, Ltd.
Customized Energy Solutions, Ltd.
Customized Energy Solutions, Ltd.
Customized Energy Solutions, Ltd.
Daymark Energy Advisors
Dayton Power & Light Company (The)
Dayton Power & Light Company (The)
Dayton Power & Light Company (The)
DE Public Service Commission
Dhast Co
Direct Energy Business, LLC
Dominion Energy Virginia
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
Dominion Virginia Power
DTE Energy Trading, Inc.
Duke Energy Business Services LLC
Duke Energy Ohio, Inc.
Duke Energy Ohio, Inc.
Duquesne Light Company
Duquesne Light Company
Duquesne Light Company
Dynegy Marketing and Trade, LLC
E.ON Climate & Renewables North America, Inc.
Earth Networks
Earthjustice
East Kentucky Power Cooperative, Inc.
East Kentucky Power Cooperative, Inc.
East Kentucky Power Cooperative, Inc.
EDP Renewables North America, LLC
EE News
Energy News Network
Energy Storage
Engleman Fallon, PLLC
Exelon
Exelon Business Services Company, LLC
Exelon Business Services Company, LLC
Exelon Business Services Company, LLC

Electric Distributor
Electric Distributor
Transmission Owner
Transmission Owner
Transmission Owner
Transmission Owner
Transmission Owner
Transmission Owner
Transmission Owner
Generation Owner
Transmission Owner
Transmission Owner
Other Supplier
Electric Distributor
Electric Distributor
Generation Owner
Other Supplier
Not Applicable
Not Applicable
Transmission Owner
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Transmission Owner
Other Supplier
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Generation Owner
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Other Supplier
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Transmission Owner
Transmission Owner
Other Supplier
Not Applicable
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Pablo Ovando	Exelon Business Services Company, LLC	Transmission Owner
Robert Taylor	Exelon Business Services Company, LLC	Transmission Owner
Kevin Thundiyl	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
Laura DiNicola	FirstEnergy Solutions Corp.	Transmission Owner
Andrew Horne	FirstEnergy Solutions Corp.	Transmission Owner
Larre Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Jay Salem	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Emma Nix	Gabel and Associates	Not Applicable
Donna Robichaud	Geenex	Not Applicable
Sean Baur	GlidePath Development LLC	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
Dave Johnston	Indiana Utility Regulatory Commission	Not Applicable
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Jill Leasure	Keystone Projects	Not Applicable
Kevin O'Brien	Leidos	Not Applicable
Sharon Segner	LS Power Transmission, LLC	Transmission Owner
Kathleen Wehnes	Maryland Public Service Commission	Not Applicable
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Kevin Murray	McNees Wallace & Nurick LLC	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
Howard Haas	Monitoring Analytics, LLC	Not Applicable
Jane Wei	Monitoring Analytics, LLC	Not Applicable
David Brown	New Jersey Board of Public Utilities	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Matt Pawlowski	NextEra Energy Marketing, LLC	Other Supplier
Gabriel Hollis	NextEra Energy Transmission, LLC	Other Supplier
Frederico Von Pinho	NextEra Energy Transmission, LLC	Other Supplier
Miles Taylor	Northern Indiana Public Service Company	Other Supplier
Erik Heinle	Office of the Peoples Counsel for the District of Columbia	End User Customer
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
Bill Pezalla	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Karan Joshi	Pattern Energy Group	Not Applicable
Mike Donnelly	PECO Energy Company	Transmission Owner
Pulin Shah	PECO Energy Company	Transmission Owner
Jiyeon Kim	PEPCO Holdings, Inc.	Transmission Owner
Elizabeth Anastasio	PJM Interconnection, LLC	Not Applicable
David Anders	PJM Interconnection, LLC	Not Applicable
Madalyn Beban	PJM Interconnection, LLC	Not Applicable
Aaron Berner	PJM Interconnection, LLC	Not Applicable
Matthew Bernstein	PJM Interconnection, LLC	Not Applicable
Tim Burdis	PJM Interconnection, LLC	Not Applicable
Brian Chmielewski	PJM Interconnection, LLC	Not Applicable
Jason Connell	PJM Interconnection, LLC	Not Applicable
James Dolan	PJM Interconnection, LLC	Not Applicable
Ilyana Dropkin	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
Thomas Falin	PJM Interconnection, LLC	Not Applicable
Zhenyu Fan	PJM Interconnection, LLC	Not Applicable
Raymond Fernandez	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
Andrew Gledhill	PJM Interconnection, LLC	Not Applicable
Jim Glennon	PJM Interconnection, LLC	Not Applicable
Jeffrey Goldberg	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
Liem Hoang	PJM Interconnection, LLC	Not Applicable
Tim Horger	PJM Interconnection, LLC	Not Applicable
Jack Keegan	PJM Interconnection, LLC	Not Applicable
Michael Kelley	PJM Interconnection, LLC	Not Applicable
Matthew LaRocque	PJM Interconnection, LLC	Not Applicable
Amanda Long	PJM Interconnection, LLC	Not Applicable
Erich Mauroschat	PJM Interconnection, LLC	Not Applicable
Megan McLaverty	PJM Interconnection, LLC	Not Applicable
Grace Niu	PJM Interconnection, LLC	Not Applicable
Anita Patel	PJM Interconnection, LLC	Not Applicable
Darlene Phillips	PJM Interconnection, LLC	Not Applicable
Chris 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
David Schweizer	PJM Interconnection, LLC	Not Applicable
Ken Seiler	PJM Interconnection, LLC	Not Applicable
Jordan Shenk	PJM Interconnection, LLC	Not Applicable
Jeffrey Shields	PJM Interconnection, LLC	Not Applicable
Mark Sims	PJM Interconnection, LLC	Not Applicable
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Jeff Slusser	PJM Interconnection, LLC	Not Applicable
Mark Stanis	PJM Interconnection, LLC	Not Applicable
Christina Stotesbury	PJM Interconnection, LLC	Not Applicable
Natalie Tacka	PJM Interconnection, LLC	Not Applicable
Jack Thomas	PJM Interconnection, LLC	Not Applicable
Jen Tribulski	PJM Interconnection, LLC	Not Applicable
Preston Walker	PJM Interconnection, LLC	Not Applicable
Jere Williamson Downs	PJM Interconnection, LLC	Not Applicable
Alex Worcester	PJM Interconnection, LLC	Not Applicable
Phil Yum	PJM Interconnection, LLC	Not Applicable
Jared Anderson	Platts Megawatt Daily	Not Applicable
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
John Feller	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Horst Lehmann	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Orlando Marrero-Torres	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Christopher Szmodis	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Gary Greiner	PSEG Energy Resources and Trade LLC	Transmission Owner
Cameron DeAngelis	Public Service Electric & Gas Company	Transmission Owner
John Dempsey	Public Service Electric & Gas Company	Transmission Owner
Garan Gunn	Public Service Electric & Gas Company	Transmission Owner
Daniel Hutt	Public Service Electric & Gas Company	Transmission Owner
Esam Khadr	Public Service Electric & Gas Company	Transmission Owner
Leonid Lyakhovich	Public Service Electric & Gas Company	Transmission Owner
Rich Marinelli	Public Service Electric & Gas Company	Transmission Owner
Ahmed Mousa	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
Glenn Catenacci	Public Service Electric and Gas	Transmission Owner
Mahila Christopher	Public Utilities Commission of Ohio (The)	Not Applicable
Debbie Gebols	Public Utilities Commission of Ohio (The)	Not Applicable
Tom Hoatson	Riverside Generating, LLC	Other Supplier
Lubaba Islam	Rockland Electric Company	Transmission Owner
Roletto Mangonon	Rockland Electric Company	Transmission Owner

Rich Heidorn
Michael Yoder
Bill Skumanich
Ryan Townsend
Stephanie Tsao
Sean Chang
Jennifer Hohenshilt
Hamid Kazerooni
Kenneth Foladare
Brad Heisey
Reid Frazier
John Sillin
Ibrahima Kalle
Gimod Olapurayil
Adam Weber
Ronnie Bailey
Craig Crider
Chad Dixon
Becky Robinson
James Wilson
Mike Jacobs

RTO Insider
RTO Insider
RTR Energy Solutions LLC
RTR Energy Solutions LLC
S&P Global Market Intelligence
Shell Energy North America (US), LP
Talen Energy Marketing, LLC
Talen Energy Marketing, LLC
Tangibl
Tenaska Power Services Co
The Allegheny Front
The Federal Energy Regulatory Commission
Tibiri Energies
Tradewind Energy, Inc.
Union Electric Company d/b/a Ameren Missouri
Virginia Electric & Power Company
Virginia Electric & Power Company
Viridity Energy, Inc.
Vistra Energy
Wilson Energy Economics
Xtreme Power

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

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