

**September Planning Committee
Teleconference / WebEx
September 1, 2020
9:00 a.m. – 12:00 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. Dave Souder noted that agenda item 5 listed as a first read will be an informational update and there were no objections. Molly Mooney reviewed the rest of the September 1, 2020 Planning Committee Agenda. No other changes to the agenda were requested.
3. Molly Mooney reviewed the draft minutes posted for the August 4th, 2020 meeting and the Planning Committee approved the minutes.

Endorsements ()

First Reads (9:15 – 10:15)

4. 2020 Installed Reserve Margin Study Results
Patricio Rocha Garrido, PJM, reviewed the 2020 Reserve Requirement Study results (IRM, FPR). The Committee will be requested to endorse the study results at its next meeting.
5. Critical Infrastructure Stakeholder Update
Christina Stotesbury, PJM, provided an update on CISO activities and reviewed poll results. The Critical Infrastructure Oversight (CISO) update, was changed from a first read to an informational update for the following reasons:
 - Package E (CAPS/OPC-DC) was determined to be out of scope based on the revised May CISO Issue Charge
 - The poll indicated additional training is required on Maximum Credible Analysis concept, and
 - The poll results indicate additional time is required to build consensus for the Mitigation Component

The CISO Update will be added to the October PC as a first read.

[.Issue Tracking: Critical Infrastructure Stakeholder Oversight](#)

Informational Updates (10:15 – 12:00)

6. Remedial Action Scheme Retirement
Chris Szmodis, PPL, reviewed the retirement of the Susquehanna Catty Corner RAS.
7. Preliminary 2021 Project Budget
Jim Snow, PJM, reviewed the Preliminary 2021 Project Budget.

8. PJM 3-Party Service Agreement Update
Alejandro Bautista, PJM, provided an update on streamlining PJM 3-party service agreement appendix 1 definitions.
9. State Agreement Approach
Mark Sims, PJM, continued the informational discussions on the PJM State Agreement Approach.
10. Recent Load Impacts
Andrew Gledhill, PJM, presented the estimated Covid-19 impacts on recent loads.
11. Reliability Compliance Update
Mark Kuras, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.
12. FERC Update – Compliance Filing in Docket No. ER19-1958-000
Pauline Foley, PJM, discussed the compliance filing due on September 18, 2020.
13. Post-MRC Discussion Regarding PMUs
Mark Stanisz, PJM, addressed certain legal issues in the area of authority regarding phasor measurement units (PMUs) that arose at the August 20 MRC meeting.
14. Geomagnetic Disturbance Update
Stan Sliwa, PJM, provided an update on efforts being made to PJM Planning processes in light of NERC Reliability Standard TPL-007-4: Transmission System Planned Performance for Geomagnetic Disturbance Events.
15. Storage As Transmission Asset Update
Michele Greening, PJM, discussed work being done at the most recent Storage As Transmission Asset Special Planning Committee sessions.
[Issue Tracking: Storage As a Transmission Asset](#)
16. Capacity Capability Senior Task Force Update
Andrew Levitt, PJM, provided an overview on the Effective Load Carrying Capability (ELCC) data submission requirements and applicable deadlines by delivery year for intermittent and limited duration resources.

Informational Posting

Model Build Activity Update

2020 Series MMWG

- Powerflow – Powertech will provide Trial 3 cases to PJM by Friday August 28, 2020; Transmission Owners to submit Trial 3 updates and Data Dictionary to PJM by Friday September 11, 2020; PJM submit Trial 3 updates and Data Dictionary to Powertech by Friday September 18, 2020
- Dynamics – Transmission Owners to submit dynamic device and load models to PJM by Friday September 25, 2020

2021 Series RTEP

- Powerflow – Transmission Owners to submit Trial 0 seedcase updates via Model on Demand by Friday September 25, 2020
- Short Circuit –PJM will send the Trial 0 case to the Transmission Owners by Friday September 4, 2020; Transmission Owners to submit updates by Friday October 2, 2020

Future Meeting Dates

Tuesday, September 22, 2020	9:00 a.m. – 12:00 p.m.	Special PC: Critical Infrastructure	WebEx
Tuesday, September 22, 2020	1:00 p.m. – 3:00 p.m.	Special PC: Post ISA Education Session	WebEx
Friday, September 25, 2020	9:00 a.m. – 12:00 p.m.	Special PC: Storage As a Transmission Asset	WebEx
Tuesday, October 06, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	WebEx
Thursday, October 22, 2020	1:00 p.m. – 4:00 p.m.	Special PC: Storage As a Transmission Asset	WebEx
Wednesday, November 04, 2020	9:00 a.m. – 12:00 p.m.	Planning Committee	WebEx
Tuesday, December 01, 2020	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
Ed Achaab	AEP Energy Partners, Inc.	Other Supplier
Gerit Hull	American Municipal Power, Inc.	Electric Distributor
Art Iler	American Municipal Power, Inc.	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Brock Ondayko	Appalachian Power Company	Transmission Owner
David Canter	Appalachian Power Company	Transmission Owner
Takis Laios	Appalachian Power Company	Transmission Owner
Kevin Kilgallen	Avangrid Renewables LLC	Generation Owner
Eric Yeh	Baltimore Gas and Electric Company	Transmission Owner
Ron Pezon	Borough of Chambersburg	Electric Distributor
Diane Janicki	Boston Energy Trading and Marketing LLC	Generation Owner
Stephen Kelly	Brookfield Energy Marketing LP	Other Supplier
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
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
Haibin Sun	Constellation Energy Services, 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
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Raj Roychowdhury	Dayton Power & Light Company (The)	Transmission Owner
Joe DeLosa	DE Public Service Commission	Not Applicable
David Hastings	Dhast Co	Not Applicable
Jim Davis	Dominion Energy Marketing, Inc.	Generation Owner
Junbiao Han	Dominion Virginia Power	Transmission Owner
Tania Jones	Dominion Virginia Power	Transmission Owner
Connie Lowe	Dominion Virginia Power	Not Applicable
Kyle Thomas	Dominion Virginia Power	Transmission Owner
Ryen Lawson	Dominion Virginia Power	Not Applicable
Christopher Wise	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
Steve Abate	Duquesne Light Company	Transmission Owner
Gian Alian	Duquesne Light Company	Transmission Owner

Joe Pilch
 Patrick Grau
 Iker Chocarro
 Darrin Adams
 Nathan Bradley
 Chuck Dugan
 Arash Ghodsian
 John Brodbeck
 Rob Stupar
 Gaurav Mehta
 Malcolm Ainspan
 Thomas Leeming
 Harsha Jasti
 Sharon Midgley
 Pablo Ovando
 Robert Taylor
 Amber Thomas
 Kevin Thundiyl
 Tom Bainbridge
 Jim Benchek
 Stacey Burbure
 Lou D'Alessandris
 Larre Hozempa
 Jeff Stuchell
 Emma Nix
 Travis Stewart
 Sean Baur
 Tom Hyzinski
 Rory Sweeney
 Jeff Whitehead
 Bonnie Lamond
 Christine Ericson
 Mike Gahimer
 Ryan Sims
 Rob Stupar
 John Kopinski
 Joshua York
 Megan Wisersky
 David Mabry
 Nick Abraham
 Erik Hanser
 John Dadourian
 George Kogut
 Gabriel Hollis
 Miles Taylor
 Erik Heinle
 Bill Squibb
 Michael Cocco
 Adrien Ford
 Gregory Carmean
 Tomas Rodriguez
 Karan Joshi
 Ankit Pahwa
 Mike Donnelly
 Pulin Shah
 David Anders
 Alejandro Bautista
 Jerry Bell
 Stephen Bennett
 Aaron Berner
 Matthew Bernstein
 Tim Burdis
 Jim Burlaw
 Brian Chmielewski
 Jason Connell

Duquesne Light Company
 Dynegy Marketing and Trade, LLC
 E.ON Climate & Renewables North America, Inc.
 East Kentucky Power Cooperative, Inc.
 East Kentucky Power Cooperative, Inc.
 East Kentucky Power Cooperative, Inc.
 EDF Renewable
 EDP Renewables North America, LLC
 Enel Green Power
 Enel Trading North America, LLC
 Energy Curtailment Specialists, Inc.
 Exelon
 Exelon Business Services Company, LLC
 FirstEnergy Solutions Corp.
 Gabel and Associates
 Gabel and Associates
 GlidePath Development LLC
 GT Power Group
 GT Power Group
 GT Power Group
 Highview Power
 Illinois Commerce Commission
 IN Office of Utility Consumer Counselor
 Interstate Gas Supply, Inc.
 Invenery, LLC
 ITC Mid-Atlantic Development LLC
 LS Power Transmission, LLC
 Madison Gas and Electric
 McNees Wallace & Nurick LLC
 Michigan Public Service Commission
 Michigan Public Service Commission
 Monitoring Analytics, LLC
 New York Power Authority
 NextEra Energy Transmission, LLC
 Northern Indiana Public Service Company
 Office of the Peoples Counsel for the District of Columbia
 Ohio Valley Electric
 Old Dominion Electric Cooperative
 Old Dominion Electric Cooperative
 OPSI
 OPSI
 Pattern Energy Group
 Pattern Energy Group
 PECO Energy Company
 PECO Energy Company
 PJM Interconnection, LLC
 PJM Interconnection, LLC

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

Becky Davis	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
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
Pauline Foley	PJM Interconnection, LLC	Not Applicable
Suzanne Glatz	PJM Interconnection, LLC	Not Applicable
Andrew Gledhill	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
Jack Keegan	PJM Interconnection, LLC	Not Applicable
Mark Kuras	PJM Interconnection, LLC	Not Applicable
Matthew LaRocque	PJM Interconnection, LLC	Not Applicable
Andrew Levitt	PJM Interconnection, LLC	Not Applicable
Paul McGlynn	PJM Interconnection, LLC	Not Applicable
Shaun Murphy	PJM Interconnection, LLC	Not Applicable
Grace Niu	PJM Interconnection, LLC	Not Applicable
Darlene Phillips	PJM Interconnection, LLC	Not Applicable
Wenzheng Qiu	PJM Interconnection, LLC	Not Applicable
Jason Quevada	PJM Interconnection, LLC	Not Applicable
John Reynolds	PJM Interconnection, LLC	Not Applicable
Evelyn Robinson	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
Mark Sims	PJM Interconnection, LLC	Not Applicable
Harliv Singh	PJM Interconnection, LLC	Not Applicable
Stan Sliwa	PJM Interconnection, LLC	Not Applicable
Jim Snow	PJM Interconnection, LLC	Not Applicable
Mark Stanisiz	PJM Interconnection, LLC	Not Applicable
Christina Stotesbury	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
Jeanine Watson	PJM Interconnection, LLC	Not Applicable
Koushy Nareshkumar	Potomac Electric Power	Electric Distributor
Chris Benson	PowerBridge, LLC	Transmission Owner
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Aaron Almonte	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
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
David Quier	PPL Electric Utilities Corp. dba PPL Utilities	Transmission Owner
Amanda Rumsey	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
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
Caroline Tkachuk	Public Service Electric & Gas Company	Transmission Owner
Mahila Christopher	Public Utilities Commission of Ohio (The)	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
James Okenfuss	Savion Energy	Not Applicable
John Rohrbach	Southern Maryland Electric Cooperative	Electric Distributor
Jennifer Hohenshilt	Talen Energy Marketing, LLC	Generation Owner



Draft Minutes

Kenneth Foladare
John Sillin
Edrissa Cham
Vince DeGiusto
Adam Weber
Mike Jacobs
Chris Mertz
James Wilson

Tangibl
The Federal Energy Regulatory Commission
Tradewind Energy, Inc.
UGI Utilities, Inc.
Union Electric Company d/b/a Ameren Missouri
Union of Concerned Scientists
Virginia Electric & Power Company
Wilson Energy Economics

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

Author: Molly Mooney