

**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 4<sup>th</sup>, 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 ler	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	Duquesne Light Company	Transmission Owner
Patrick Grau	Dynegy Marketing and Trade, LLC	Generation Owner
Iker Chocarro	E.ON Climate & Renewables North America, Inc.	Generation Owner
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
Arash Ghodsian	EDF Renewable	Not Applicable
John Brodbeck	EDP Renewables North America, LLC	Other Supplier
Rob Stupar	Enel Green Power	Not Applicable
Gaurav Mehta	Enel Trading North America, LLC	Other Supplier
Malcolm Ainspan	Energy Curtailment Specialists, Inc.	Not Applicable
Thomas Leeming	Exelon	Transmission Owner
Harsha Jasti	Exelon Business Services Company, LLC	Transmission Owner
Sharon Midgley	Exelon Business Services Company, LLC	Transmission Owner
Pablo Ovando	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
Tom Bainbridge	FirstEnergy Solutions Corp.	Transmission Owner
Jim Benchek	FirstEnergy Solutions Corp.	Transmission Owner
Stacey Burbure	FirstEnergy Solutions Corp.	Transmission Owner
Lou D'Alessandris	FirstEnergy Solutions Corp.	Transmission Owner
Larre Hozempa	FirstEnergy Solutions Corp.	Transmission Owner
Jeff Stuchell	FirstEnergy Solutions Corp.	Transmission Owner
Emma Nix	Gabel and Associates	Not Applicable
Travis Stewart	Gabel and Associates	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
Bonnie Lamond	Highview Power	Not Applicable
Christine Ericson	Illinois Commerce Commission	Not Applicable
Mike Gahimer	IN Office of Utility Consumer Counselor	End User Customer
Ryan Sims	Interstate Gas Supply, Inc.	Other Supplier
Rob Stupar	Invenergy, LLC	Generation Owner
John Kopinski	ITC Mid-Atlantic Development LLC	Other Supplier
Joshua York	LS Power Transmission, LLC	Transmission Owner
Megan Wisersky	Madison Gas and Electric	Other Supplier
David Mabry	McNees Wallace & Nurick LLC	Not Applicable
Nick Abraham	Michigan Public Service Commission	Not Applicable
Erik Hanser	Michigan Public Service Commission	Not Applicable
John Dadourian	Monitoring Analytics, LLC	Not Applicable
George Kogut	New York Power Authority	Other Supplier
Gabriel Hollis	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
Bill Squibb	Ohio Valley Electric	Generation Owner
Michael Cocco	Old Dominion Electric Cooperative	Electric Distributor
Adrien Ford	Old Dominion Electric Cooperative	Electric Distributor
Gregory Carmean	OPSI	Not Applicable
Tomas Rodriguez	OPSI	Not Applicable
Karan Joshi	Pattern Energy Group	Not Applicable
Ankit Pahwa	Pattern Energy Group	Not Applicable
Mike Donnelly	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
Stephen Bennett	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
Jim Burlaw	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
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



# 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

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