



October Planning Committee Teleconference / WebEx October 6, 2020 9:00 a.m. – 12:15 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. Molly Mooney reviewed the October 6, 2020 Planning Committee Agenda. No changes to the agenda were requested.
- 3. Molly Mooney reviewed the draft minutes posted for the September 1<sup>st</sup>, 2020 meeting and the Planning Committee approved the minutes.
- 4. Molly Mooney reviewed the 2020 Planning Committee Work Plan.

### **Endorsements (9:15 – 9:45)**

5. 2020 Installed Reserve Margin Study Results

Patricio Rocha Garrido, PJM, reviewed the 2020 Reserve Requirement Study results including the Installed Reserve Margin and Forecast Pool Requirement (IRM, FPR). A first read and endorsement was requested for the Winter Weekly Reserve Target (WWRT). The Committee endorsed the Installed Reserve Requirement and Forecast Pool Requirement results with an acclamation vote of 0 objections and 2 abstentions. The Committee endorsed the Winter Weekly Reserve Target with an acclamation vote of 0 objections and 2 abstentions.

#### First Reads (9:45 - 10:30)

6. Manual 14C Update

Mark Sims, PJM, provided a first read of changes to Manual 14C: Generation and Transmission Interconnection Facility Construction, as part of the biennial cover-to-cover review. The committee will be asked to endorse the changes at the next PC meeting.

### Informational Updates (10:30 - 12:15)

- 7. Recent Load Impacts and Load Forecast Model Development
  - A. Andrew Gledhill, PJM, presented the estimated Covid-19 impacts on recent loads.
  - B. Andrew Gledhill, reviewed proposed revisions to the load forecasting model.
- 8. FERC Update

Thomas DeVita, PJM Legal, discussed Order No. 2222 regarding DER aggregation.





### 9. Interconnection Queue Initiative

Ken Seiler, PJM, discussed a stakeholder interconnection process workshop initiative to review existing Interconnection rules in an effort to create a more efficient and effective process. Workshop dates will be shared with stakeholders once scheduled.

#### 10. Critical Infrastructure Stakeholder Update

Christina Stotesbury, PJM, provided an update on CISO activities. A poll was sent out to the group and is due back by October 16<sup>th</sup>.

Issue Tracking: Critical Infrastructure Stakeholder Oversight

### 11. 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

#### 12. 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. A formal communication with these details will be sent out to stakeholders.

## **Informational Posting**

#### Model Build Activity Update

2020 Series MMWG

 Powerflow – PJM to approve final cases by Friday October 2, 2020; Powertech to post final cases by Friday October 9, 2020

#### 2021 Series RTEP

- Powerflow PJM to send request for tie line updates by Wednesday October 7, 2020; PJM to send Trial 1 cases for review by Friday October 16, 2020
- Short Circuit Transmission Owners to submit Trial 0 case updates by Friday October 2, 2020

#### System Planning 201

PJM will hold a System Planning 201 course via teleconference/webex on Monday, October 19, 2020. Link for more information and registration: System Planning 201

#### 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.

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Friday, October 09, 2020	9:00 a.m. – 12:00 p.m.	Special PC: Storage As a Transmission Asset	WebEx
Tuesday, October 20, 2020	9:00 a.m 12:00 p.m.	Special PC: Critical Infrastructure Stakeholder Oversight	WebEx





Thursday, October 22, 2020 Wednesday, November 04, 2020 Tuesday, December 01, 2020 1:00 p.m. – 4:00 p.m. 9:00 a.m. – 12:00 p.m. 9:00 a.m. – 12:00 p.m. Special PC: Storage As a Transmission Asset Planning Committee Planning Committee WebEx WebEx WebEx

#### **Attendance List**

David Souder (Chair) Molly Mooney (Secretary)

Tyler Berton Ryan Dolan Gerit Hull Art Iler Rachel Elkins Gary Fuerst Brock Ondayko David Canter Chad Heitmeyer Takis Laios Zelalem Tekle Hugh Scott Tom Jens Ron Pezon Diane Janicki

Ron Pezon Diane Janicki Stephen Kelly Greg Poulos Bill Allen Paul Mills Ron Regner Rehan Gilani Haibin Sun Guy Filomena Lynn Horning Carl Johnson Jonathan Sasser Tim Bockhorn Joe DeLosa

Madeline Fleisher Jim Davis Junbiao Han Tania Jones Connie Lowe Kyle Thomas Yajun Zheng William Jett Steve Steinkuhl Jeff Baker Dan Benson Julie Mason

**David Hastings** 

Gian Alian
Joe Pilch
Iker Chocarro
Darrin Adams
Nathan Bradley
John Brodbeck
Jarett Contino
Gaurav Mehta
Malcolm Ainspan
Bruce Campbell

Thomas Leeming Jason Barker Rajesh Bhana PJM Interconnection, LLC PJM Interconnection, LLC

American Electric Power
American Municipal Power
American Municipal Power, Inc.
American Municipal Power, Inc.
American Transmission Systems, Inc.
American Transmission Systems, Inc.
American Transmission Systems, Inc.
Appalachain Power Company
Appalachian Power Company
Appalachian Power Company
Appalachian Power Company
Baltimore Gas and Electric
Baltimore Gas and Electric Company

Black Oak Energy, LLC
Borough of Chambersburg

Boston Energy Trading and Marketing LLC

Brookfield Energy Marketing LP

CAPS

Commonwealth Edison Company Commonwealth Edison Company Commonwealth Edison Company ConEdison Energy, Inc.

Constellation Energy Services, Inc Constellation Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Customized Energy Solutions, Ltd. Dayton Power & Light Company (The) DE Public Service Commission Dhast Co

Dickinson Wright PLLC
Dominion Energy Marketing, Inc.
Dominion Virginia Power

Duke Energy Business Services LLC Duke Energy Business Services LLC

Duke Energy Ohio, Inc. Duke Energy Ohio, Inc. Duke Energy Ohio, Inc. Duquesne Light Company Duquesne Light Company

E.ON Climate & Renewables North America, Inc.

East Kentucky Power Cooperative, Inc.
East Kentucky Power Cooperative, Inc.
EDP Renewables North America LLC
EDP Renewables North America LLC
Enel Trading North America, LLC
Energy Curtailment Specialists, Inc.

EnergyConnect, Inc.

Exelon Business Services Company, LLC Exelon Business Services Company, LLC

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Sharon Midgley Robert Taylor Amber Thomas Christopher Nekolny Roozbeh Shegarfi Chad Singer Aasawari Pawar

Tom Bainbridge Jim Benchek Jeff Stuchell Emma Nix Jay Caspary Tom Hyzinski Rory Sweeney Jeff Whitehead

Christine Ericson Dave Johnston Rob Stupar John Kopinski

Sharon Segner Joshua York David Mabry Christin Domian John Dadourian

George Kogut Gabriel Hollis Frederico Von Pinho John Rainey Brian Kauffman

Erik Heinle Yohannes Mariam

Tom Schmidt Bill Squibb Michael Cocco

Adrien Ford **Gregory Carmean** Tomas Rodriguez

Regina Carrado Mike Donnelly Pulin Shah Marj Garbini David Anders Aaron Berner Matthew Bernstein Patrick Bruno Joe Ciabattoni Jason Connell **Becky Davis** Thomas DeVita James Dolan

Tom Falin Pauline Foley Suzanne Glatz Andrew Gledhill Jim Glennon Michele Greening Joe Hay Suzanne Herel

Ilyana Dropkin

Janell Fabiano

Nicolae Dumitriu

Tim Horger Marilyn Jayachandran Richard Konowal Matt LaRocque

Exelon Business Services Company, LLC Exelon Business Services Company, LLC Exelon Business Services Company, LLC

Exelon Generation Co., LLC Exelon Generation Co., LLC Fellon McCord

First Solar

FirstEnergy Solutions Corp. FirstEnergy Solutions Corp. FirstEnergy Solutions Corp. Gabel and Associates Grid Strategies LLC GT Power Group GT Power Group GT Power Group

Illinois Commerce Commission Indiana Utility Regulatory Commission

Invenergy, LLC

ITC Mid-Atlantic Development LLC LS Power Transmission, LLC LS Power Transmission, LLC McNees Wallace & Nurick LLC Mitsubishi Electric Power Products Inc.

Monitoring Analytics, LLC New York Power Authority NextEra Energy Transmission, LLC NextEra Energy Transmission, LLC Northern Virginia Electric Cooperative NRG Curtailment Solutions

Office of the Peoples Counsel for the District of Columbia Office of the Peoples Counsel for the District of Columbia

Ohio Electric Cooperatives Ohio Valley Electric

Old Dominion Electric Cooperative Old Dominion Electric Cooperative

OPSI

PECO Energy Company PECO Energy Company PECO Energy Company PEPCO Holdings, Inc. PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection 11 C PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection, LLC PJM Interconnection. LLC PJM Interconnection, LLC

PJM Interconnection, LLC

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Andrew Levitt	PJM Interconnection, LLC		
Jay Liu	PJM Interconnection, LLC		
Susan McGill	PJM Interconnection, LLC		
Paul McGlynn	PJM Interconnection, LLC		
Megan McLaverty	PJM Interconnection, LLC		
Shaun Murphy	PJM Interconnection, LLC		
Darlene Phillips	PJM Interconnection, LLC		
Wenzheng Qiu	PJM Interconnection, LLC		
Jason Quevada	PJM Interconnection, LLC		
John Reynolds	PJM Interconnection, LLC		
Patricio Rocha-Garrido	PJM Interconnection, LLC		
Alexandra Scheirer	PJM Interconnection, LLC		
Ken Schuyler	PJM Interconnection, LLC		
Ken Seiler	PJM Interconnection, LLC		
Jeffrey Shields	PJM Interconnection, LLC		
Mark Sims	PJM Interconnection, LLC		
Harliv Singh	PJM Interconnection, LLC		
Michelle Souder	PJM Interconnection, LLC		
Mark Stanisz	PJM Interconnection, LLC		
Christina Stotesbury	PJM Interconnection, LLC		
Nebiat Tesfa	PJM Interconnection, LLC		
Jack Thomas	PJM Interconnection, LLC		
Jen Tribulski	PJM Interconnection, LLC		
Erik Watkin	PJM Interconnection, LLC		
Shadab Ali	PPL Electric Utilities Corp. dba PPL Utilities		
Aaron Almonte	PPL Electric Utilities Corp. dba PPL Utilities		
Horst Lehmann	PPL Electric Utilities Corp. dba PPL Utilities		
Steven Nadel	PPL Electric Utilities Corp. dba PPL Utilities		
David Quier	PPL Electric Utilities Corp. dba PPL Utilities		
Amanda Rumsey	PPL Electric Utilities Corp. dba PPL Utilities		
Christopher Szmodis	PPL Electric Utilities Corp. dba PPL Utilities		
Gary Greiner	PSEG Energy Resources and Trade LLC		
Cameron DeAngelis	Public Service Electric & Gas Company		
Luis Garcia	Public Service Electric & Gas Company		
Esam Khadr	Public Service Electric & Gas Company		
Leonid Lyakhovich	Public Service Electric & Gas Company		
Alex Stern	Public Service Electric & Gas Company		
Heather Svenson	Public Service Electric & Gas Company		
Caroline Tkachuk	Public Service Electric & Gas Company		
Mahila Christopher	Public Utilities Commission of Ohio (The)		
Debbie Gebolys	Public Utilities Commission of Ohio (The)		
Tom Hoatson	Riverside Generating, LLC		
Lubaba Islam	Rockland Electric Company		
Michael Yoder	RTO Insider		
Bill Skumanich	RTR Energy Solutions LLC		
James Okenfuss	Savion Energy		
Sean Chang	Shell Energy North America (US), LP		
John Rohrbach	Southern Maryland Electric Cooperative		
Jennifer Hohenshilt	Talen Energy Marketing, LLC		
Brad Swalwell	Tangent Energy Solutions, Inc.		
Kenneth Foladare	Tangibl		
Mark Brozina	Tangibl LLC		
Brad Heisey	Tenaska Power Services Co		
Edrissa Cham	Tradewind Energy, Inc.		
Vines DeCinete	LICI Hilitian Inc		

UGI Utilities, Inc.

Virgina State Corporation Commission

Virginia Electric & Power Company

Virginia Electric & Power Company

Wilson Energy Economics

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

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Neil Joshipura

Ronnie Bailey

James Wilson

Chris Mertz