



Transmission Expansion Advisory Committee PJM Conference and Training Center January 6, 2021 1:00 p.m. – 3:00 p.m. EPT

Administration (1:00 - 1:10)

- 1. Sue Glatz, PJM, called the meeting to order. Michael Zhang, PJM, reviewed the Antitrust, Code of Conduct, media participation, and WebEx guidelines.
- 2. Sue Glatz announced the addition of meeting minutes to all TEAC meetings going forward.

RTEP Updates (1:10 - 3:00)

- Interregional Planning Update
 Mark Sims, PJM, provided an update on Interregional Planning.
- 4. Market Efficiency Update
 Nick Dumitriu, PJM, provided an update on the 2020/2021 Long Term Market Efficiency Window.
- 5. <u>Generation Deactivation Notification</u>
 Phil Yum, PJM, provided an update on recent generation deactivation notifications.
- PECO Supplemental Projects
 John Sweriduk, Exelon, presented needs for supplemental projects in PECO.
- 7. <u>Dominion Supplemental Projects</u>
 Tania Jones, Dominion, presented needs and solutions for supplemental projects in Dominion.
- 8. <u>AEP Supplemental Projects</u>
 Jasmine Moore, AEP, presented needs and solutions for supplemental projects in AEP.
- Offshore Wind
 Matthew Bernstein, PJM, provided an introduction to the Offshore Wind Scenario Study.
- 10. <u>Reliability Analysis Update</u>
 Aaron Berner, PJM, provided an update on the 2020 RTEP analysis 2021 RTEP assumptions.

Informational Postings

M-3 Process Needs Status

This spreadsheet allows stakeholders to track process defined in Open Access Transmission Tariff, Attachment M-3 and leading to the development of the supplemental projects.

Aggregate Maps for Supplemental Projects





Aggregate geographic representation of supplemental projects not previously included in Local Plan.

Planning Community Open Questions

Open questions regarding M-3 projects received through Planning Community.

M-3 Action Item List

M-3 action item list received through Planning Community, SRRTEP and TEAC meetings.

Future Meeting Dates

Tuesday, February 9, 2021	1:00 p.m. – 3:00 p.m. Transmission Expansion Advisory Committee	WebEx
Tuesday, March 9, 2021	1:00 p.m. – 3:00 p.m. Transmission Expansion Advisory Committee	WebEx
Tuesday, April 6, 2021	1:00 p.m. – 3:00 p.m. Transmission Expansion Advisory Committee	WebEx
Tuesday, May 11, 2021	1:00 p.m. – 3:00 p.m. Transmission Expansion Advisory Committee	WebEx
Tuesday, June 8, 2021	1:00 p.m. – 3:00 p.m. Transmission Expansion Advisory Committee	WebEx

Attendance List		
Sue Glatz (Chair)	PJM Interconnection, LLC	Not Applicable
Michael Zhang (Secretary)	PJM Interconnection, LLC	Not Applicable
Tyler Berton	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Brock Ondayko	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Brian Swain	AEP Energy, Inc.	None
Evan Pierce	Amazon Energy LLC	Other Supplier
Sean Black	Ameren Control Area	None
Gerit Hull	American Municipal Power, Inc.	Electric Distributor
Steven Lieberman	American Municipal Power, Inc.	Electric Distributor
Chris Norton	American Municipal Power, Inc.	Electric Distributor
Edward Tatum	American Municipal Power, Inc.	Electric Distributor
Louis D'Alessandris	American Transmission Systems, Inc.	Transmission Owner
Rachel Elkins	American Transmission Systems, Inc.	Transmission Owner
Lawrence Hozempa	American Transmission Systems, Inc.	Transmission Owner
Grant Marchewka	American Transmission Systems, Inc.	Transmission Owner
Ashley Smyda	American Transmission Systems, Inc.	Transmission Owner
Jeff Stuchell	American Transmission Systems, Inc.	Transmission Owner
Patrick Grau	Apogee Energy Trading LLC	Other Supplier
Nicolas Koehler	Appalachian Power Company (AEP Transmission)	Transmission Owner
Takis Laios	Appalachian Power Company (AEP Transmission)	Transmission Owner
Bowen Hua	Appian Way Energy Partners MidAtlantic, LLC	Other Supplier
Zelalem Tekle	Baltimore Gas and Electric Company (TO)	Transmission Owner
Eric Yeh	Baltimore Gas and Electric Company (TO)	Transmission Owner
Ron Pezon	Borough of Chambersburg	Electric Distributor
Diane Janicki	Boston Energy Trading and Marketing LLC	Other Supplier
Brett White	Brett White	None
Stephen Kelly	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Khan Adnan	Burns & McDonnell	None
Holden DeGrave	Burns & McDonnell	None
Tyler Fletcher	Burns & McDonnell	None
Jacob Merriman	Burns & McDonnell	None
Wiktor Charytoniuk	Calpine Energy Services, L.P.	Generation Owner
David Scarpignato	Calpine Energy Services, L.P.	Generation Owner
Li Zhang	Calpine Energy Services, L.P.	Generation Owner
Jung Suh	Calpine Energy Solutions, LLC	Other Supplier
William Allen	Commonwealth Edison Company	Transmission Owner
Paul Mills	Commonwealth Edison Company	Transmission Owner
Ronald Regner	Commonwealth Edison Company	Transmission Owner
Robert Taylor	Commonwealth Edison Company	Transmission Owner



Matthew Rudy

Megan Wisersky

Kathleen Wehnes

Emma Nix

David Mabry

John Borkoski

Joe Bowring

Craig Taborsky

John Dadourian

Joseph DeLosa

Jeremy Abramowitz

Meeting Minutes



Rehan Gilani	ConEdison Energy, Inc.	Other Supplier
Guy Filomena	Customized Energy Solutions, Ltd.	None
Lynn Marie Horning	Customized Energy Solutions, Ltd.	None
Carl Johnson	Customized Energy Solutions, Ltd.	None
Jonathan Sasser	Customized Energy Solutions, Ltd.	None
John Horstmann	Dayton Power & Light Company (The)	Transmission Owner
Ryan Dolan	Dayton Power & Light Company (The) (EDC)	Transmission Owner
Kerry Neubrander	DC Energy Mid-Atlantic, LLC	Other Supplier
Mark Price	DC Energy Mid-Atlantic, LLC	Other Supplier
Malika Davis	DE Public Service Commission	None
Ruth Price	Delaware Division of the Public Advocate	None
James Davis	Dominion Energy Generation Marketing, Inc.	Generation Owner
Mark Gill	Dominion Energy Virginia	None
Kunal Amare	Dominion Virginia Power	Transmission Owner
Gefei Kou	Dominion Virginia Power	Transmission Owner
Ryen Lawson	Dominion Virginia Power	Transmission Owner
CONNIE LOWE	Dominion Virginia Power	Transmission Owner
Hamidreza Sadeghian	Dominion Virginia Power	Transmission Owner
Kyle Thomas	Dominion Virginia Power	Transmission Owner
Li Zhang	Dominion Virginia Power	Transmission Owner
Steve Steinkuhl	Duke Energy Business Services LLC	Transmission Owner
julie mason	Duke Energy Ohio, Inc.	Transmission Owner
Christin Domian	Duquesne Light Company	Transmission Owner
Tonja Wicks	Duquesne Light Company	Transmission 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
Michael Norman	East Kentucky Power Cooperative, Inc.	Transmission Owner
John Brodbeck	EDP Renewables North America LLC	Generation Owner
Brian Kauffman	Enel X North America, Inc.	Other Supplier
Rajesh Bhana	Exelon Business Services Company, LLC	Transmission Owner Transmission Owner
Regina Carrado	Exelon Business Services Company, LLC	
Harsha Jasti	Exelon Business Services Company, LLC	Transmission Owner
Thomas Leeming	Exelon Business Services Company, LLC	Transmission Owner Transmission Owner
Sharon Midgley Haibin Sun	Exelon Business Services Company, LLC	Transmission Owner
roozbeh shegarfi	Exelon Business Services Company, LLC	Generation Owner
Kevin Thundiyil	Exelon Generation Co., LLC (NEV_XLON) Exelon Generation Co., LLC (NEV_XLON)	Generation Owner
Juan Bueno	firstenergy	Transmission Owner
Laura DiNicola	firstenergy	Transmission Owner
Nicholas Hill	FirstEnergy	Transmission Owner
Marc Aurely	FirstEnergy Corp	Transmission Owner
Jim Benchek	FirstEnergy Corporation	Transmission Owner
DANIEL PATT	GE	None
Kenneth Foladare	Geenex Solar LLC	Generation Owner
Viktoriya Kudryavtseva	Gen IV Investment Opportunities, LLC	Other Supplier
Jay Caspary	Grid Strategies	None
Jeffrey Whitehead	GT Power Group	None
Rory Sweeney	GT Power Group, LLC	None
Tom Hyzinski	GT Power Group, LLC	None
Arthur Iler	Indiana Office of Utility Consumer Counselor	None
Michael Gahimer	Indiana Office of Utility Consumer Counselor (IN OUCC)	None
Hamid Kazerooni	Invenergy, LLC	Generation Owner
Benjamin Abing	ITC Interconnection LLC	Transmission Owner
John Kopinski	ITC Interconnection LLC	Transmission Owner
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ITC Interconnection LLC

Jersey Green Energy LLC

Madison Gas & Electric Co.

McNees Wallace & Nurick LLC

MD Public Service Commission

MD Public Service Commission

New Jersey Board of Public Utilities

Monitoring Analytics

Monitoring Analytics

Monitoring Analytics

Maryland Department of the Environment

Transmission Owner

Other Supplier

Other Supplier

None

None

None

None

None

None

None

None





George Kogut	New York Power Authority
Gabriel Hollis	NextEra Energy Transmission, LLC
Kshitij Shah	NextEra Energy Transmission, LLC
Frederico Von Pinho	NextEra Energy Transmission, LLC
Emily Smithman	NJBPU
David Brown	NJBPU State
Miles Taules	Nadhan Indiana Dublic Candas Cassassi

Miles Taylor

Heather Anderson

John Rainey

Anne Marie McShea

Northern Indiana Public Service Company

Northern Virginia Electric Cooperative (NOVEC)

Northern Virginia Electric Cooperative (NOVEC)

Ocean Winds OW

Frederick Heinle Office of the Peoples Counsel

Yohannes Mariam Office of the People's Counsel for the District of Columbia

 Jerod Marker
 Ohio Power Company

 Michael Cocco
 Old Dominion Electric Cooperative

 Adrien Ford
 Old Dominion Electric Cooperative

 William Pezalla
 Old Dominion Electric Cooperative

 Gregory Carmean
 Organization of PJM States, Inc.

 Tomas Rodriguez
 Organization of PJM States, Inc.

Kyle Combes Burns & McDonnell
Ricardo Galarza Non Member

Debbie Gebolys Public Utilities Commission of Ohio
David Johnston Indiana Utility Regulatory Commission

Jacquelyn Lojek
Ray MASON
Non Member
Jonathan Newman
Fluence Energy, LLC
Frank Brandolisio
PECO Energy Company
Mike Donnelly
Pulin Shah
PECO Energy Company
John Sweriduk
PECO Energy Company

Andrew Grieve Acciona Energy North America Corporation

Christopher O'Hara

Michael Borgatti PJM Committee Voting Generic Account
Greg Poulos PJM Committee Voting Generic Account

David Anders PJM Interconnection PJM Interconnection Aaron Berner Matthew Bernstein PJM Interconnection Brian Chmielewski PJM Interconnection Elizabeth Davis PJM Interconnection Nicolae Dumitriu PJM Interconnection David Egan PJM Interconnection Craig Glazer PJM Interconnection Jeffrey Goldberg PJM Interconnection PJM Interconnection Michele Greening Joseph Hay PJM Interconnection Suzanne Herel P.IM Interconnection Michael Herman PJM Interconnection Tim Horger PJM Interconnection David Kimmel PJM Interconnection Nancy Muhl PJM Interconnection Hui Niu PJM Interconnection David Picarelli PJM Interconnection Wenzheng Qiu PJM Interconnection Kenneth Seiler PJM Interconnection

 Jennifer Tribulski
 PJM Interconnection

 Stuart Widom
 PJM Interconnection

 Jiyeon Kim
 Potomac Electric Power Company

 Koushy Nareshkumar
 Potomac Electric Power Company

Frederick Kelley Power Plant Research Program (MD)
Scott Gass PowerGEM

Harliv Singh

Mark Stanisz

Nebiat Tesfa

Stan Sliwa

Schadab Ali

PPL Electric Utilities Corp. dba PPL Utilities (TO)

John Feller

PPL Electric Utilities Corp. dba PPL Utilities (TO)

Horst Lehmann

PPL Electric Utilities Corp. dba PPL Utilities (TO)

PJM Interconnection

PJM Interconnection

PJM Interconnection

PJM Interconnection

Other Supplier Other Supplier Other Supplier None None

Other Supplier

Other Supplier
Electric Distributor
Electric Distributor
None

None Transmission Owner Electric Distributor Electric Distributor

None

Generation Owner

None

Generation Owner
Transmission Owner
Transmission Owner
Transmission Owner
Transmission Owner
Generation Owner

None

committee Voting Generic Account Generation Owner

None None

None

None

None

None

None

None

None

None

None
Electric Distributor
Electric Distributor
None

None

Transmission Owner Transmission Owner Transmission Owner





Steven Nadel Cleveland Richards Jr Amanda Rumsey Christopher Szmodis Qamar Arsalan Luis Garcia Leonid Lyakhovich Massamba Samb Alexander Stern Heather Svenson Cari VanAmburg Roleto Mangonon Michael Yoder Bill Skumanich Andy Peebles Edrissa Cham James Okenfuss Selene Bermudez Sean Chang Brian Brau Timothy Cook Sharon Segner Gizelle Wray Dimitar Kozhuharov **David Davis** Luis de La Mora Robert Price Abby Foster Adam Weber Samuel Carter Tania Jones Ronald Wong

PPL Electric Utilities Corp. dba PPL Utilities (TO) Public Service Electric & Gas Company Recurrent Energy Rockland Electric Company RTO Insider RTR Energy Solutions LLC Saracen Energy East LP Savion, LLC Savion, LLC SELENEBP1 Shell Energy North America (US), L.P. Silver Run Electric, LLC Silver Run Electric, LLC Silver Run Electric, LLC Solar Energy Industries Association (SEIA) State Commissions Strata Solar Strom Power, LLC Sunenergy1

Transource Pennsylvania, LLC

Virginia Electric & Power Company

Virginia Electric & Power Company

West Deptford Energy, LLC

Wabash Valley Power Association, Inc.

Vistra Energy

Union Electric Company d/b/a Ameren Missouri

None None Other Supplier None None None Other Supplier Transmission Owner None Transmission Owner None None None Other Supplier None Transmission Owner Other Supplier Transmission Owner Transmission Owner None Electric Distributor Generation Owner

Transmission Owner

None

Author: Michael Zhang

John Rohrbach Tom Hoatson