

Long Term Regional Transmission Planning (LTRTP) Workshop

WebEx

July 21, 2023

9:00 a.m. – 12:00 p.m. EPT

Administration (9:00-9:05)

- Ms. Bhavana Keshavamurthy and Ms. Julia Spatafore provided a welcome, announcements and review of the Anti-trust, Code of Conduct, and Public Meetings/Media Participation Guidelines.

Process and Work Plan (9:05-9:30)

- Ms. Bhavana Keshavamurthy previewed the proceedings of the day.
- Mr. David Souder provided opening remarks to kick off the LTRTP workshop series.

Education (9:30-12:00)

- Mr. Asanga Perera and Mr. Jonathan Kern reviewed the existing PJM long term planning process and discuss the need for updates to the assumptions used in the RTEP analysis.
- Ms. Jessica Lynch reviewed the existing long term/scenario language from the Operating Agreement
- Mr. Emmanuele Bobbio and Mr. Michael Herman provided an update to the long term planning framework.

Informational Items

- [Enhanced 15-Year Long Term Planning \(Master Plan\) White Paper](#)

Future Meeting Dates and Materials			Materials Published
Date	Time	Location	
Tuesday, August 22, 2023	9:00 a.m. – 12:00 p.m. EPT	Conference & Training Center / Webex	Thursday, August 17, 2023

Attendance

Last Name	First Name	Company	Sector
Keshavamurthy (Facilitator)	Bhavana	PJM Interconnection	None
Spatafore (Secretary)	Julia	PJM Interconnection	None
Abdulsalam	Sami	PJM Interconnection	None
Ali	Shadab	NextEra Energy Transmission, LLC	Other Supplier
Anders	David	PJM Interconnection	None
Anderson	Jared	S&P Global Inc.	None
Arsalan	Qamar	Public Service Electric and Gas Company	Transmission Owner
Bailey	Ronnie	Dominion Virginia Power	Transmission Owner
Bainbridge	Thomas	American Transmission Systems, Inc.	Transmission Owner

Last Name	First Name	Company	Sector
Barker	Jason	Vitol Inc.	Generation Owner
Bautista	Alejandro	Exelon Business Services Company, LLC	Transmission Owner
Berner	Aaron	PJM Interconnection	None
Bernstein	Matthew	PJM Interconnection	None
Bhana	Rajesh	Exelon Business Services Company, LLC	Transmission Owner
Bobbio	Emmanuele	PJM Interconnection	None
Burger	Chaz	Mid-Atlantic Interstate Transmission, LLC	Transmission Owner
Callen	Zachary	Illinois Commerce Commission	None
Carmean	Gregory	Organization of PJM States, Inc.	None
Carroll	Rebecca	PJM Interconnection	None
Catenacci	Glenn	Public Service Electric and Gas Company	Transmission Owner
Cebrik	Jeffrey	Avangrid Networks, Inc.	Other Supplier
Chamberlain	Kevin	Commonwealth Edison Company	Transmission Owner
Chang	Sean	Shell Energy North America (US), L.P.	Other Supplier
Choi	Wonbae	Algonquin Energy Services Inc.	Generation Owner
Christopher	Mahila	Public Utilities Commission of Ohio	None
Clifford	Brigid	Pine Gate Mid-Atlantic, LLC	Generation Owner
Cobb	Patrick	PJM Interconnection	None
Cox	Jason	EQ Energy Advisors, LLC	None
Crim	Jacob	NextEra Energy Transmission, LLC	Other Supplier
Davis	David	Apex Clean Energy Holdings, LLC	None
Davis	James	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeLosa	Joe	The Brattle Group, Inc.	None
Denby	Brett	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Dolan	Ryan	Electric Power Engineers	None
Dolan	Ryan	NextEra Energy Transmission, LLC	Other Supplier
Domian	Christin	Duquesne Light Company	Transmission Owner
Downs	Jere	PJM Interconnection	None
Du	Yuan	Virginia Electric & Power Company	Transmission Owner
Dugan	Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Dumitriu	Nicolae	PJM Interconnection	None
Eakins	Douglas	Commonwealth Edison Company	Transmission Owner
fan	zhenyu	PJM Interconnection	None
Filomena	Guy	Customized Energy Solutions, Ltd.	None
Fink	Regan	Pine Gate Mid-Atlantic, LLC	Generation Owner
Fink	Sari	American Wind Energy Association	None
Foladare	Kenneth	Geenex Solar LLC	Other Supplier

Last Name	First Name	Company	Sector
Foster Cronin	Denise	East Kentucky Power Cooperative, Inc.	Transmission Owner
Gates	Jill	PJM Interconnection	None
Ghosh	Abhishek	Cypress Creek Renewables, LLC	Generation Owner
Glazer	Craig	PJM Interconnection	None
Glazer	Grant	MN8 Energy Operating Company LLC	None
Gledhill	Andrew	PJM Interconnection	None
Gordon	Jonathan	Advanced Energy Economy	None
Grady	Alison	PECO Energy Company	Transmission Owner
Grieve	Andrew	Pine Gate Mid-Atlantic, LLC	Generation Owner
Guidi	Nicholas	Southern Environmental Law Center	None
Gunn	Garan	Public Service Electric and Gas Company	Transmission Owner
Guntle	Vince	American PowerNet Management, L.P.	End-Use Customer
Haas	Howard	Monitoring Analytics	None
Hallett	Brian	ReliabilityFirst	None
Hannah	Kyle	Virginia Electric & Power Company	Transmission Owner
Hanser	Erik	Michigan Public Service Commission	None
Hastings	David	PJM Committee Voting Generic Account	Other Supplier
Hedayati	Mojgan	PJM Interconnection	None
Heinle	Frederick	Dynegy Marketing and Trade, LLC	Generation Owner
Helm	Gary	PJM Interconnection	None
Hepplewhite	Peter	Wrigley Capital LLC	Other Supplier
Herel	Suzanne	PJM Interconnection	None
Herling	Steven	Herling Power Grid Consulting, Inc.	None
Herman	Michael	PJM Interconnection	None
Hoatson	Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt	Jennifer	Talen Energy Marketing, LLC	Generation Owner
Holdbrook	Ruth	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Holliday	Randy	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Horger	Tim	PJM Interconnection	None
Horning	Lynn Marie	American Municipal Power, Inc.	Electric Distributor
Horstmann	John	Dayton Power & Light Company (The)	Transmission Owner
Hoshmand	Mojtaba	PJM Interconnection	None
Hozempa	Lawrence	American Transmission Systems, Inc.	Transmission Owner
Hugee	Jacquelyn	Dominion Virginia Power	Transmission Owner
Huntoon	Stephen	Chesapeake Transmission LLC	Other Supplier
Hutt	Daniel	Public Service Electric and Gas Company	Transmission Owner
Jacobs	Mike	Union of Concerned Scientists	None

Last Name	First Name	Company	Sector
Janicki	Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jardot	Gina	NRG Curtailment Solutions, Inc.	Other Supplier
Johnson	Carl	Customized Energy Solutions, Ltd.	None
Johnson	Michael	Oriden LLC	None
Johnston	David	Indiana Utility Regulatory Commission	None
Jones	Scott	Indiana Office of Utility Consumer Counselor (IN OUCC)	End-Use Customer
Kamruzzaman	MD	EDF Renewable Development, Inc.	None
Kaplan	Donald	K&L Gates	None
Kapoor	Ashish	Piedmont Environmental Council	None
Kaslavage	Brian	UGI Utilities, Inc.	Transmission Owner
Kelly	Stephen	Brookfield Renewable Trading and Marketing LP (BSMH)	Other Supplier
Kent	Janessa	Duquesne Light Company	Transmission Owner
Khadr	Esam	Public Service Electric and Gas Company	Transmission Owner
Kilgallen	Kevin	Avangrid Renewables, LLC	Generation Owner
Kim	Caleb	Dayton Power & Light Company (The)	Transmission Owner
Kirk	Steven	NextEra Energy Marketing, LLC	Other Supplier
Koehler	Nicolas	Appalachian Power Company (AEP Transmission)	Transmission Owner
Kogut	George	New York Power Authority	Other Supplier
Kuchan	Meagan	Dayton Power & Light Company (The)	Transmission Owner
Laios	Takis	Appalachian Power Company (AEP Transmission)	Transmission Owner
Lawson	Ryen	Dominion Virginia Power	Transmission Owner
Lawton	Nick	Earthjustice	None
Leeming	Thomas	Exelon Business Services Company, LLC	Transmission Owner
Lin	Nathan	Virginia Electric & Power Company	Transmission Owner
Lockwood	Craig	Appalachian Power Company (AEP Transmission)	Transmission Owner
Lockwood	Daniel	PJM Interconnection	None
Lyakhovich	Leonid	Public Service Electric and Gas Company	Transmission Owner
Mahoor	Mohsen	Virginia Electric & Power Company	Transmission Owner
Maucher	Andrea	Delaware Division of the Public Advocate	End-Use Customer
McClelland	Maura	Public Utilities Commission of Ohio	None
McCormick	Katharine	Illinois Commerce Commission	None
McDewell	Christian	Pennsylvania Public Utility Commission	None
McGill	Susan	PJM Interconnection	None
McNeil	Justin	Kentucky Public Service Commission	None
McNicholas	Daniel	Nautilus Power, LLC	Generation Owner
Midgley	Sharon	Exelon Business Services Company, LLC	Transmission Owner
Moff	Justin	American Transmission Systems, Inc.	Transmission Owner

Last Name	First Name	Company	Sector
Mooney	Molly	PJM Interconnection	None
Mulvaney	Katie	RMI	None
Murteira	Ana	Public Service Electric and Gas Company	Transmission Owner
Nadel	Steven	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Nagurney	John	Public Service Electric and Gas Company	Transmission Owner
Nareshkumar	Koushy	Potomac Electric Power Company	Electric Distributor
Nekolny	Christopher	Exelon Business Services Company, LLC	Transmission Owner
Ng	Perry	PJM Interconnection	None
Noel Jeune	Reynaldo	Orsted Onshore North America, LLC	Generation Owner
Ondayko	Brock	AEP Energy Partners, Inc. (AEP Gen Resources)	Transmission Owner
Orphanides	Lindsay	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Parrot	Sarah	Public Utilities Commission of Ohio	None
Patel	Komal	Bitter Ridge Wind Farm, LLC	Generation Owner
Pham	Bao	Lincoln Generating Facility, LLC	Generation Owner
Picardi	Matthew	Shell Energy North America (US), L.P.	Other Supplier
Pierpoint	Thomas	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Porter	John	PPL Electric Utilities Corp. dba PPL Utilities (LSE)	Transmission Owner
Prokop	Brenda	Silver Run Electric, LLC	Transmission Owner
Rao	Anish	Apex Clean Energy Holdings, LLC	None
Rasmussen	Jay	Duke Energy Business Services LLC	Transmission Owner
Razze	Scott	Potomac Electric Power Company	Electric Distributor
Reagan	Ryann	New Jersey Board of Public Utilities	None
Richards	Wade	Apex Clean Energy Holdings, LLC	None
Roach	Temujin	EDF Renewable Development, Inc.	None
Roberts	Casey	Sierra Club	None
Robison	Michael	American Transmission Systems, Inc.	Transmission Owner
Rumsey	Amanda	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Rutigliano	Tom	Natural Resources Defense Council	None
Samuel	Allison	Virginia State Corporation Commission	None
Scheirer	Alexandra	PJM Interconnection	None
Scherer	Paul	Commonwealth Edison Company	Transmission Owner
Schleicher	David	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Schmidt	Thomas	Buckeye Power, Inc.	Electric Distributor
Schreim	Morris	MD PSC	None
Scott	Hugh	Baltimore Gas and Electric Company (TO)	Transmission Owner
Segner	Sharon	Silver Run Electric, LLC	Transmission Owner
Shaarbafi	Karim	PJM Interconnection	None

Last Name	First Name	Company	Sector
Shah	Pulin	PECO Energy Company	Transmission Owner
shegarfi	roozbeh	Constellation Energy Generation, LLC (NEV_XLON)	Generation Owner
Shi	Ally	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Singh	Harliv	Invenergy, LLC	Generation Owner
Sloan	Ben	Organization of PJM States, Inc.	None
Snyder	David	PJM Interconnection	None
Sparks	Bridget	sPower Development Company, LLC	None
Stearney	Ben	ACES	None
Steinkuhl	Steve	Duke Energy Business Services LLC	Transmission Owner
Stern	Alexander	Exelon Business Services Company, LLC	Transmission Owner
Stolz	Chris	Pine Gate Mid-Atlantic, LLC	Generation Owner
Stuchell	Jeff	American Transmission Systems, Inc.	Transmission Owner
Sun	Haibin	Exelon Business Services Company, LLC	Transmission Owner
Svenson	Heather	Public Service Electric and Gas Company	Transmission Owner
Sweeney	Rory	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Sweeney	Rory	Power Prose, Inc.	None
Taylor	Miles	Northern Indiana Public Service Company	Other Supplier
Taylor	Robert	Invenergy, LLC	Generation Owner
Tekle	Zelalem	Bath County Energy, LLC	Generation Owner
THOMAS	AMBER	Exelon Business Services Company, LLC	Transmission Owner
Toppo	Shilpa	174 Power Global	None
Tubridy	Meg	Rockland Electric Company	Transmission Owner
Uddin	Shahab	Old Dominion Electric Cooperative	Electric Distributor
Unger	Matthew	State Corporation Commission (Commonwealth of Virginia)	None
VanBlargan	Bryna	Sabinsville SunPower, LLC	None
Vaughan	Evan	MAREC Action	None
Wagner	Emily	Galehead Development	None
Walker	Preston	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Wallace	Colleen	Virginia Electric & Power Company	Transmission Owner
Wand	David	New Jersey Division of Rate Counsel	End-Use Customer
Wayner	Claire	RMI	None
Webb	Becky	Exelon Business Services Company, LLC	Transmission Owner
Wharton	Matthew	PJM Interconnection	None
Whitehead	Jeffrey	GT Power Group	None
Williams	Eric	AEP Appalachian Transmission Company, Inc.	Transmission Owner
Wilson	James	Wilson Economics	None
Wimer	Stephanie	Pennsylvania Public Utility Commission	None

Last Name	First Name	Company	Sector
Yasutake	Sarah	Jersey Green Energy LLC	Other Supplier
Yochelson	Cheri	Dominion Virginia Power	Transmission Owner
Yoho	Trey	American Transmission Systems, Inc.	Transmission Owner
Young	Brandon	Public Service Electric and Gas Company	Transmission Owner
Yovanovich	Laura	PPL Electric Utilities Corp. dba PPL Utilities (TO)	Transmission Owner
Zhou	Ming	DXT Commodities North America Inc.	Other Supplier
Zhou	Zhangxin	Virginia Electric & Power Company	Transmission Owner
Mohler	Tina	PJM Interconnection	None
Caven	Augustine	PJM Interconnection	None
Qiu	Wenzheng	PJM Interconnection	None
Bhat	Ashwini	PJM Interconnection	None
Mauroschadt	Erich	PJM Interconnection	None
Hsia	Eric	PJM Interconnection	None
Widom	Stu	PJM Interconnection	None
Souder	Dave	PJM Interconnection	None
Robinson	Evelyn	PJM Interconnection	None
D'Antonio	Phil	PJM Interconnection	None
Wu	Mia	PJM Interconnection	None
Croop	Danielle	PJM Interconnection	None
Kshatriya	Niraj	PJM Interconnection	None
Rohrbach	John	Aces Power Marketing	None
Zoeller	Christopher	Public Utilities Commission of Ohio	None
Selick	Sam	Customized Energy Solutions, Ltd.	None
Ericson	Christine	Illinois Commerce Commission	None
Sajja	Pavan	Linea Energy LLC	None
Sammartino	Michael	MD PSC	None
Summers	Clara	Illinois Citizen Utility Board	End-Use Customer
Davies	Steve	Indiana Utility Regulatory Commission	None
Sussler	Philip	MD PSC	None
Apostolou	Nick	New Jersey Board of Public Utilities	None
Rode	Advait	Michigan Public Service Commission	None
Circelli	Roseanne	Public Service Electric and Gas Company	Transmission Owner
Hayes	Christina	Americans for a Clean Energy Grid	None
Poulos	Greg	CAPS	None
Schmitt	Catherine	Public Service Electric and Gas Company	Transmission Owner
Rettig	Kacie	Rockland Electric Company	Transmission Owner
Tasnim	Samia	Public Service Electric and Gas Company	Transmission Owner



Agenda/Meeting Minutes

Last Name	First Name	Company	Sector
Percarpio	Nick	Public Service Electric and Gas Company	Transmission Owner
Kwok	Jordan	Exelon Business Services Company, LLC	Transmission Owner
Holzbaur	Patrick	New Jersey Board of Public Utilities	None
Ochsenhirt	Fred	Virginia State Corporation Commission	None
theyer	thomas	Avangrid Renewables, LLC	Generation Owner
VanOrder	Jordan	Pennsylvania Public Utility Commission	None
Strate	Ben	Constellation Energy Services, Inc.	None
aslam	nabeel	Public Service Electric and Gas Company	Transmission Owner
Lojek	Jacquelyn	American Transmission Systems, Inc.	Transmission Owner
Brown	David	New Jersey Board of Public Utilities	None

Author: Julia Spatafore