

Carbon Pricing Senior Task Force (CPSTF)
PJM Conference and Training Center
November 15, 2019
9:00 a.m. – 4:00 p.m. EPT

Administration (9:00-9:05)

1. Ms. Jen Tribulski and Ms. Suzanne Coyne provided welcome, announcements, and review of the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines Text. Ms. Tribulski asked if there were any objections to canceling the December 20, 2019 meeting. The task force had no objections. The Carbon Pricing Senior Task Force (CPSTF) approved the draft minutes from the October 24, 2019 meeting.

Work Plan (9:05-9:10)

2. Ms. Suzanne Coyne reviewed the Carbon Pricing Senior Task Force stakeholder process Stage 1 work plan.

Education (9:10-3:30)

3. Jurisdictional Considerations (9:10–10:30)

- A. Mr. Avi Zevin, Institute for Policy Integrity/New York University, provided education on the legal principles and jurisdictional considerations relevant to aspects of a carbon pricing construct.
- B. Mr. Steve Shparber, Nelson Mullins Riley & Scarborough on behalf of the American Wind Energy Association and the Solar Energy Industries Association, provided education on jurisdictional considerations related to carbon pricing in PJM.

4. State Perspectives Panel (10:30–12:00)

Mr. Asim Haque, PJM, moderated a panel discussion on state perspectives regarding carbon mitigation programs and policies.

The following panelists participated in the discussion.

- Tom Ballou, Manager, Air Data Analysis & Planning, Virginia Department of Environmental Quality
- Cynthia Holland, Director, Office of Federal and Regional Policy, New Jersey Board of Public Utilities
- Andrew Place, Commissioner, Pennsylvania Public Utility Commission
- Scott Weaver, Director Air Quality Services, American Electric Power, representing vertically integrated states

5. Carbon Pricing in New York (1:00–2:00)

Dr. Nicole Bouchez, New York ISO, provided education on the carbon pricing initiative in New York.

6. California ISO GHG Market Design (2:00–3:00)

Mr. Don Tretheway, California ISO, provided education on the California ISO GHG market design.

7. Work Plan Update, Education Takeaways, and Areas for Additional Exploration (3:00–3:30)

Ms. Natalie Tacka, PJM, led a discussion on the CPSTF work activities. Stakeholders were asked to provide feedback on key takeaways from education received to-date and additional areas of exploration. Feedback can be provided to Jen Tribulski, Jennifer.Tribulski@pjm.com and Suzanne Coyne, Suzanne.Coyne@pjm.com.

Future Agenda Items (3:30-3:40)

- Ms. Jen Tribulski reviewed meeting action items and discuss future agenda items.

Future Meeting Dates

December 20, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
January 14, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
February 26, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
April 2, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
May 19, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx
June 25, 2020	9:00 a.m.	PJM Conference & Training Center/ WebEx

Author: Suzanne Coyne

In-Person Meeting Attendees

Tribulski, Jennifer (Facilitator)	PJM Interconnection, LLC	Not Applicable
Coyne, Suzanne (Secretary)	PJM Interconnection, LLC	Not Applicable
Ballou, Tom	Virginia Department of Environmental Quality	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bennett, Stephen	PJM Interconnection	Not Applicable
Bernabeu, Emanuel	PJM Interconnection	Not Applicable
Borgatti, Mike	Gabel and Associates	Not Applicable
Bouchez, Nicole	New York ISO	Not Applicable
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
D'Alessandris, Lou	FirstEnergy Solutions Corp.	Transmission Owner
Depillo, Raymond	PSEG Energy Resources & Trade LLC	Other Supplier
Foladare, Kenneth	Tangibl	Not Applicable
Ford, Adrien	Old Dominion Electric Cooperative	Electric Distributor
Gensler, Katherine	Solar Energy Industries Association	Not Applicable
Giacomoni, Anthony	PJM Interconnection	Not Applicable
Glazer, Craig	PJM Interconnection	Not Applicable

Helm, Gary	PJM Interconnection	Not Applicable
Holland, Cynthia	New Jersey BPU	Not Applicable
Horton, Dana	Appalachian Power Company	Transmission Owner
Hsia, Eric	PJM Interconnection	Not Applicable
Hyatt, John	Monitoring Analytics	Not Applicable
Kogut, George	New York Power Authority	Other Supplier
Lu, Chenchao	PJM Interconnection	Not Applicable
Molinda, John	American Nuclear Society – Pittsburgh	Not Applicable
Nix, Emma	PJM Interconnection	Not Applicable
O'Connell, Robert	PPGI Fund A/B Development, LLC.	Generation Owner
Pilong, Melissa	PJM Interconnection	Not Applicable
Place, Andrew	Pennsylvania PUC	Not Applicable
Robertson, Kathleen	Exelon Business Services Company, LLC	Transmission Owner
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Scorsolini, Mark	PSEG Energy Resources & Trade LLC	Other Supplier
Shparber, Steve	Nelson Mullins Riley & Scarborough	Not Applicable
Sweeney, Rory	GT Power Group	Not Applicable
Tabak, Gabriel	American Wind Energy Association	Not Applicable
Tacka, Natalie	PJM Interconnection	Not Applicable
Toomey, Megan	Talen Energy Marketing, LLC	Generation Owner
Unel, Burcin	Institute for Policy Integrity/NYU	Not Applicable
Weaver, Scott	American Electric Power	Transmission Owner
Widom, Stuart	PJM Interconnection	Not Applicable
Zakaria, Rama	Environmental Defense Fund	Not Applicable
Zevin, Avi	Institute for Policy Integrity/NYU	Not Applicable

WebEx Attendees

Abdur-Rahman, Muhsin	ABB	Not Applicable
Anders, David	PJM Interconnection	Not Applicable
Anderson, Jared	S&P Global	Not Applicable
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Barry, Robert	NJ Dept. of Environmental Protection	Not Applicable
Benchek, Jim	FirstEnergy Solutions Corp.	Not Applicable
Bodnar, Michael	ACES Power	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Campbell, Bruce	Enerwise Global Technologies, LLC	Other Supplier
Canter, David	Appalachian Power Company	Transmission Owner
Chang, Sean	ERCOT	Not Applicable
Chen, Yang	PJM Interconnection	Not Applicable

Coultas, Ann	Invenergy, LLC	Generation Owner
Davis, James	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeLosa, Joseph	NJ Bureau of Public Utilities	Not Applicable
Denby, Brett	Northern Virginia Electric Cooperative	Electric Distributor
Deshmukh, Rupa	NJ Dept. of Environmental Protection	Not Applicable
Dillon, Matthew	UGI Development Company	Generation Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Durinsky, Mike	Allegheny Energy Supply Company, L.L.C.	Transmission Owner
Evergam, Scott	Blue Horseshoe Energy LLC	Not Applicable
fan, zhenyu	PJM Interconnection	Not Applicable
Fazio, Danielle	Engelhart CTP (US) LLC	Other Supplier
Fidler, Danielle	Earthjustice	Not Applicable
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing, LLC	Generation Owner
Gahimer, Michael	Indiana Office of Utility Consumer Counselor	End-Use Customer
Gilani, Rehan	ConEdison Energy, Inc.	Other Supplier
Gluck, Jim	PJM Interconnection	Not Applicable
Gramlich, Rob	Grid Strategies LLC	Not Applicable
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer
Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hastings, David	Market Interconnection Consulting Services, LLC	Not Applicable
Heinle, Frederick	Office of the People's Counsel for the District of Columbia	End-Use Customer
Hendry, Andrew	FirstEnergy Solutions Corp.	Transmission Owner
Hilderbrand, Rebecca	PJM Interconnection	Not Applicable
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	Not Applicable
Horstmann, John	Dayton Power & Light Company (The)	Transmission Owner
Hyzinski, Tom	GT Power Group	Not Applicable
Iyer, Shrikant	Exelon Generation Co., LLC	Generation Owner
Janicki, Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kazerooni, Hamid	Invenergy, LLC	Generation Owner
Keegan, John	PJM Interconnection	Not Applicable
Kelly, Stephen	Brookfield Renewable Trading and Marketing LP	Other Supplier
Kilgallen, Kevin	Avangrid Renewables, LLC	Generation Owner
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor

LaBella, Julie	Talen Energy Marketing, LLC	Generation Owner
LaRocque, Matthew	PJM Interconnection	Not Applicable
Lejcar, Jamie	Allegheny Electric Cooperative, Inc.	Electric Distributor
Lieberman, Steven	American Municipal Power, Inc.	Electric Distributor
LOWE, CONNIE	Virginia Electric & Power Company	Transmission Owner
Marzewski, Skyler	Monitoring Analytics	Not Applicable
Matheson, Eric	Pennsylvania Public Utility Commission	Not Applicable
McCabe, Ann	Ann McCabe & Associates	Not Applicable
McGraw, Dan	Carbon Pulse	Not Applicable
Midgley, Sharon	Exelon Business Services Company, LLC	Transmission Owner
Murphy, Shaun	PJM Interconnection	Not Applicable
Ondayko, Brock	AEP Energy Partners, Inc.	Transmission Owner
Pakela, Greg	DTE Energy Trading, Inc.	Other Supplier
patel, keyurbhai	PJM Interconnection	Not Applicable
Pelletier, Eveline	H.Q. Energy Services (U.S.), Inc.	Other Supplier
Peoples, John	Duquesne Light Company	Transmission Owner
Philips, Marji	LS Power	Not Applicable
Picarelli, Dave	PJM Interconnection	Not Applicable
Price, Ruth Ann	Division of the Public Advocate of the State of Delaware	End-Use Customer
Provost, Nicole	Montclair State University	Not Applicable
Purdie, Michael	Dominion Virginia Power	Not Applicable
Raggio, Debra	Talen Energy Marketing, LLC	Generation Owner
Rinkoski, Marie	Constellation NewEnergy, Inc.	Other Supplier
Roberts, Casey	Sierra Club	Not Applicable
Rose, Steve	EPRI	Not Applicable
Saha, Amlan	MJ Bradley & Associates	Not Applicable
Saini, Ishwar	Macquarie Energy, LLC	Other Supplier
Salaneck, Alexandra	Monitoring Analytics	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scheidecker, Paul	PJM Interconnection	Not Applicable
Shanker , Roy	East Coast Power Linden Holdings, LLC	Generation Owner
Silva, Patricio	ISO NE	Not Applicable
Sotkiewicz, Paul	E-Cubed Policy Associates	Not Applicable
Stern, Alexander	Public Service Electric & Gas Company	Transmission Owner
Stupar, Rob	Enel Green Power North America, Inc.	Not Applicable
Suh, Jung	Calpine Energy Solutions, LLC	Other Supplier
Swalwell, Brad	Tangent Energy Solutions, Inc.	Other Supplier
Valentino, Emilee	Constellation NewEnergy, Inc.	Other Supplier
Ward, Adam	American Municipal Power, Inc.	Electric Distributor



Draft Minutes

Whitehead, Jeff
Williams, Fernie
Williams, Stanley
Wilson, James
Wisersky, Megan
Wolfe, Alice

GT Power Group
East Kentucky Power Cooperative, Inc.
PJM Interconnection
Wilson Energy Economics
Madison Gas & Electric Co.
Blue Ridge Power Agency, Inc.

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