

**Carbon Pricing Senior Task Force (CPSTF)
PJM Conference and Training Center
October 24, 2019
9 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.

The Carbon Pricing Senior Task Force (CPSTF) approved the draft minutes from the August 26, 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. Ms. Coyne reminded the group that a form has been added to the [CPSTF page on pjm.com](#) for stakeholders to provide feedback on education topics, speakers, and general questions.

Education (9:10-3:00)

3. New England Stakeholder Process (IMAPP) (9:10–9:45)

Mr. Sebastian Lombardi, Day Pitney LLP/NEPOOL Counsel, provided a summary of NEPOOL's Integrating Markets and Public Policy (IMAPP) stakeholder process.

4. Cost-based Offers (9:45-10:15)

Ms. Melissa Pilog, PJM, provided education on the Cost Development Guidelines for cost based offers with a focus on emission allowances.

5. Carbon Pricing Impacts on LMP (10:15-11:45)

Dr. Anthony Giacomoni, PJM, provided education on the carbon component of LMP.

6. Carbon Pricing Modeling (1:00–2:30)

Rama Zakaria, Environmental Defense Fund, and Amlan Saha, M.J. Bradley & Associates, provided information and results regarding EDF's carbon pricing modeling efforts.

7. State RPS Fulfillment (2:30–3:00)

Mr. Skyler Marzewski and Mr. Devendra Canchi, Monitoring Analytics, provided education on state RPS requirements and carbon adder impacts on LMP.

Action Items (3:00-3:15)

- Ms. Jen Tribulski discussed action items from today's meeting.

Future Meeting Dates

November 15, 2019	9:00 a.m.	PJM Conference & Training Center/ WebEx
December 20, 2019	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
Barker, Jason	Exelon Business Services Company, LLC	Transmission Owner
Bernabeu, Emanuel	PJM Interconnection	Not Applicable
Brodbeck, John	EDP Renewables North America, LLC	Generation Owner
Bruce, Susan	McNees Wallace & Nurick LLC	Not Applicable
Canchi, Devendra	Monitoring Analytics	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
Giacomoni, Anthony	PJM Interconnection	Not Applicable
Hauske, Thomas	PJM Interconnection	Not Applicable
Hegde, Sushma	PJM Interconnection	Not Applicable
Helm, Gary	PJM Interconnection	Not Applicable
Hsia, Eric	PJM Interconnection	Not Applicable
Hunsperger, Jenn	Praxair Inc.	End-Use Customer
Hyatt, John	Monitoring Analytics	Not Applicable
Kauffman, Brian	Enel X North America, Inc.	Other Supplier
Kogut, George	New York Power Authority	Other Supplier
Lombardi, Sebastian	Day Pitney LLP	Not Applicable
Lu, Chenchao	PJM Interconnection	Not Applicable
Marzewski, Skyler	Monitoring Analytics	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

Robertson, Kathleen	Exelon Business Services Company, LLC	Transmission Owner
Robinson, Becky	Vistra Energy	Not Applicable
Robinson, Liz	Solar Association	Not Applicable
Saha, Amlan	M.J. Bradley & Associates	Not Applicable
Scorsolini, Mark	PSEG Energy Resources & Trade LLC	Other Supplier
Sweeney, Rory	GT Power Group	Not Applicable
Tacka, Natalie	PJM Interconnection	Not Applicable
Toomey, Megan	Talen Energy Marketing, LLC	Generation Owner
Zakaria, Rama	Environmental Defense Fund	Not Applicable

WebEx Attendees

Adams, Chris	East Kentucky Power Cooperative, Inc.	Transmission Owner
Anders, David	PJM Interconnection	Not Applicable
Barry, Robert	NJ Dept. of Environmental Protection	Not Applicable
Benchek, Jim	FirstEnergy Solutions Corp.	Transmission Owner
Bodnar, Michael	ACES	Not Applicable
Borgatti, Mike	Gabel and Associates	Not Applicable
Brown, Richard	PJM Interconnection	Not Applicable
Canchi, Devendra	Monitoring Analytics	Not Applicable
Canter, David	Appalachian Power Company	Transmission Owner
Chang, Sean	Shell Energy North America (US), L.P.	Other Supplier
Chen, Yang	PJM Interconnection	Not Applicable
Chintapalli, Raj	BP Energy Company	Other Supplier
Cocco, Michael	Old Dominion Electric Cooperative	Electric Distributor
Coultas, Ann	Invenergy, LLC	Generation Owner
Davis, James	Dominion Energy Generation Marketing, Inc.	Generation Owner
DeLosa, Joseph	New Jersey Board of Public Utilities	Not Applicable
Denby, Brett	Northern Virginia Electric Cooperative (NOVEC)	Electric Distributor
Deshmukh, Rupa	NJDEP	Not Applicable
DiNicola, Laura	FirstEnergy Solutions Corp.	Transmission Owner
Dugan, Chuck	East Kentucky Power Cooperative, Inc.	Transmission Owner
Fan, Zhenyu	PJM Interconnection	Not Applicable
Fazio, Danielle	Engelhart CTP (US) LLC	Other Supplier
Feller, John	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Filomena, Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Fitch, Neal	NRG Power Marketing, LLC	Generation Owner
Glazer, Craig	PJM Interconnection	Not Applicable
Greiner, Gary	PSEG Energy Resources & Trade LLC	Other Supplier
Guntle, Vince	American PowerNet Management, L.P.	End-Use Customer

Hanser, Erik	Michigan Public Service Commission	Not Applicable
Hasan, Prusha	Advanced Energy Economy, Inc.	Not Applicable
Hastings, David	Market Interconnection Consulting Services (MICS)	Not Applicable
Heisey, Bradley	Tenaska Pennsylvania Partners, LLC	Generation Owner
Herel, Suzanne	PJM Interconnection	Not Applicable
Hilderbrand, Rebecca	PJM Interconnection	Not Applicable
Hoatson, Tom	West Deptford Energy, LLC	Generation Owner
Hohenshilt, Jennifer	Talen Energy Marketing, LLC	Generation Owner
Horning, Lynn Marie	Customized Energy Solutions, Ltd.*	Not Applicable
Horton, Dana	Appalachian Power Company	Transmission Owner
Huang, Jame	Rockland Electric Company	Transmission Owner
Hudis, Gabriella	Jersey Green Energy, LLC	Other Supplier
Hull, Gerit	Jennings, Strouss & Salmon, P.L.C.	Not Applicable
Hyzinski, Tom	GT Power Group	Not Applicable
Janicki, Diane	Boston Energy Trading and Marketing LLC	Other Supplier
Jayachandran, Marilyn	PJM Interconnection	Not Applicable
Jha, Monica	PCI	Not Applicable
Johnson, Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Jones, Ryan	CCS Energy	Other Supplier
Kazerooni, Hamid	Invenergy, LLC	Generation Owner
Kelly, Stephen	Brookfield Energy Marketing LP	Other Supplier
Kimmel, David	PJM Interconnection	Not Applicable
Knotts, Pamela	Delaware.gov	Not Applicable
Kozhuharov, Dimitar	Delaware Municipal Electric Corporation, Inc.	Electric Distributor
Mabry, David	McNees Wallace & Nurick LLC	Not Applicable
McGraw, Dan	Carbon Pulse	Not Applicable
Murphy, Shaun	PJM Interconnection	Not Applicable
Noyes, Tom	Delaware.gov	Not Applicable
Ondayko, Brock	AEP Energy Partners, Inc.	Transmission Owner
Pakela, Gregory	DTE Energy Trading, Inc.	Other Supplier
Patel, Keyurbhai	PJM Interconnection	Not Applicable
Peoples, John	Duquesne Light Company	Transmission Owner
Perera, Asanga	PJM Interconnection	Not Applicable
Philips, Marji	LS Power	Not Applicable
Pilong, Christopher	PJM Interconnection	Not Applicable
Poulos, Greg	Consumer Advocates of PJM States, Inc.	Not Applicable
Powers, Sean	Messer LLC	End-Use Customer
Price, Ruth	Division of the Public Advocate of the State of Delaware	End-Use Customer
Roberts, Casey	Sierra Club	Not Applicable

Rohrbach, John	Wabash Valley Power Association, Inc.	Electric Distributor
Rumsey, Amanda	PPL Electric Utilities Corporation d/b/a PPL Utilities	Transmission Owner
Rutigliano, Tom	Natural Resources Defense Council	Not Applicable
Sasser, Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scarpignato, David	Calpine Energy Services, L.P.	Generation Owner
Scheidecker, Paul	PJM Interconnection	Not Applicable
Schreim, Morris	Maryland Public Service Commission	Not Applicable
Schuyler, Ken	PJM Interconnection	Not Applicable
Shanker, Roy	East Coast Power Linden Holdings, LLC	Generation Owner
Sherrick, Joseph	PA Gov	Not Applicable
Silva, Patricio	ISO New England	Not Applicable
Sotkiewicz, Paul	E-Cubed Policy Associates	Not Applicable
Stern, Alexander	Public Service Electric & Gas Company	Transmission Owner
Stilson, Drew	Environmental Defense Fund	Not Applicable
Whitehead, Jeffrey	GT Power Group	Not Applicable
Widom, Stu	PJM Interconnection	Not Applicable
Willey, Amy	Delaware.gov	Not Applicable
Williams, Fernie	East Kentucky Power Cooperative, Inc.	Transmission Owner
Williams, Stan	PJM Interconnection	Not Applicable
Wilson, James	Wilson Energy Economics	Not Applicable
Wisersky, Megan	Madison Gas & Electric Company	Other Supplier
Zevin, Avi	New York University	Not Applicable