



Carbon Pricing Senior Task Force (CPSTF) WebEx Only August 21, 2020 9:00 a.m. – 1:00 p.m. EPT

Administration (9:00-9:05)

 Jen Tribulski and Suzanne Coyne provided welcome, announcements, and review of the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines Text. Stakeholders <u>approved</u> the draft minutes from the July 29, 2020 meeting.

Work Plan (9:05-9:10)

2. Suzanne Coyne, PJM, reviewed the Carbon Pricing Senior Task Force stakeholder process work plan.

Education and Analysis (9:10–10:40)

- PJM Study of Carbon Pricing & Potential Leakage Mitigation Mechanisms Additional Scenario
 Natalie Tacka and Dr. Anthony Giacomoni, PJM, presented the study results for the carbon pricing region scenario of New Jersey, Maryland, Delaware, Pennsylvania, Virginia, and Illinois.
- PJM Study of Carbon Pricing & Potential Leakage Mitigation Mechanisms Summary
 Natalie Tacka, PJM, presented a summary spreadsheet of all scenarios including additional data requested by stakeholders.

Poll (10:45-12:15)

5. Jen Tribulski and Rebecca Hilderbrand, PJM, reviewed the results of the CPSTF poll.

Future Agenda Items (12:15-12:30)

6. Jen Tribulski reviewed action items and discussed future agenda items. Based on the poll results, the task force will continue with education and analysis topics for the next several meetings.

Future Meeting Dates

 September 23, 2020
 9:00 a.m. – 12:00 p.m.
 WebEx

 October 27, 2020
 1:00 – 4:00 p.m.
 WebEx

 December 8, 2020
 1:00 – 4:00 p.m.
 WebEx

Author: Suzanne Coyne





WebEx Meeting Attendees

Tribulski, Jen (Facilitator) Not Applicable PJM Interconnection Coyne, Suzanne (Secretary) PJM Interconnection Not Applicable NRG Curtailment Solutions, Inc. Other Supplier Ainspan, Malcolm Anders, David PJM Interconnection Not Applicable Anderson, Jared SP Global Not Applicable PPL Electric Utilities Corporation d/b/a PPL Utilities Arnold, Katelyn **Transmission Owner**

Transmission Owner Barker, Jason Exelon Business Services Company, LLC Barry, Chris NJ Dept. of Environmental Protection Not Applicable Bennett, Stephen PJM Interconnection Not Applicable

Bernabeu, Emanuel PJM Interconnection Not Applicable Bernstein, Matthew PJM Interconnection Not Applicable Bloodworth, Michelle America's Power Not Applicable Book, Hayley Pennsylvania Department of Environmental Protection

Not Applicable EDP Renewables North America LLC Brodbeck, John **Generation Owner** Bruce, Susan McNees Wallace & Nurick LLC Not Applicable

Campbell, Bruce Enerwise Global Technologies, LLC (EnergyConnect) Other Supplier **OPSI** Carmean, Gregory

Not Applicable Chandler, Kent Kentucky Public Service Commission Not Applicable Chang, Sean Shell Energy North America (US), L.P. Other Supplier

Chen, Yang PJM Interconnection Not Applicable Chmiewlewski, Brian PJM Interconnection Not Applicable

Criscuolo, Julia **ESAI** Not Applicable D'Alessandris, Lou Transmission Owner First Energy

Davis, James Dominion Energy Generation Marketing, Inc. **Generation Owner** DeLosa, Joseph New Jersey Board of Public Utilities Not Applicable

Northern Virginia Electric Cooperative (NOVEC) **Electric Distributor** Denby, Brett Advanced Energy Economy Dennis, Jeff Not Applicable Dillon, Matthew **UGI** Development Company **Generation Owner** Domian, Christin Transmission Owner **Duquesne Light Company**

Dugan, Chuck East Kentucky Power Cooperative, Inc. **Transmission Owner**

Fan, Zhenyu PJM Interconnection Not Applicable

Filomena, Guy Customized Energy Solutions, Ltd. Not Applicable Fink, Sari American Wind Energy Association Not Applicable Fitch, Neal NRG Power Marketing, LLC **Generation Owner** Foladare, Kenneth Geenex Solar LLC Generation Owner

Ford, Adrien Old Dominion Electric Cooperative **Electric Distributor** Giacomoni, Anthony PJM Interconnection Not Applicable

Gilani, Rehan Consolidated Edison Energy, Inc. Other Supplier





| Greiner, Gary | PSEG Energy Resources and Trade LLC | Other S |
|--|--------------------------------------|---------|
| Guntle, Vince | American PowerNet Management, L.P. | End-Us |
| Hanser, Erik | Michigan Public Service Commission | Not App |
| Hasan, Prusha | asan, Prusha Advanced Energy Economy | |
| Hastings, David Market Interconnection Consulting Services (MICS) Office of the People's Councel for the District of | | Not App |

Office of the People's Counsel for the District of
Heinle, Erik Columbia
Heisey, Bradley Tenaska Pennsylvania Partners, LLC

Hilderbrand, Rebecca
Hoatson, Tom
West Deptford Energy, LLC
Hohenshilt, Jennifer
Talen Energy Marketing, LLC
Customized Energy Solutions, Ltd.
Horton, Dana
Appalachian Power Company

Hsia, Eric PJM Interconnection

Hyatt, John Monitoring Analytics

Hyzinski, Tom GT Power Group, LLC

Janicki, Diane Boston Energy Trading and Marketing LLC

Jett, William

Jett, William

Duke Energy Business Services, LLC

Customized Energy Solutions, Ltd.

Johnston, Dave

Indiana Utility Regulatory Commission

Kazerooni, Hamid Invenergy, LLC

Kelly, Stephen Brookfield Renewable Trading and Marketing LP

Kilgallen, Kevin

Kimbrel, Ethan

Kochonies, Karen

Kogut, George

Avangrid Renewables, LLC

Illinois Commerce Commission

Morgan Stanley Capital Group Inc

New York Power Authority

Kozhuharov, Dimitar Delaware Municipal Electric Corporation, Inc.

LaRocque, Matthew PJM Interconnection

Lejcar, Jamie Allegheny Electric Cooperative, Inc. Liang-Nicol, Cecilia Allegheny Power (MonPwr Gen)

Lithgow, Matt Carbon Pulse
Lu, Chenchao PJM Interconnection

Mariam, Yohannes

Office of the People's Counsel for the District of

Columbia

Matheson, Eric PA Public Utility Commission

Matzen, Jeff Dominion Energy Generation Marketing, Inc.

McGlynn, Paul PJM Interconnection

Megali, Brian Exelon Business Services Company, LLC Midgley, Sharon Exelon Business Services Company, LLC

Nix, Emma Gabel Associates

Other Supplier
End-Use Customer
Not Applicable
Not Applicable
Not Applicable

End-Use Customer Generation Owner Not Applicable **Generation Owner** Generation Owner Not Applicable **Transmission Owner** Not Applicable Not Applicable Not Applicable Other Supplier **Transmission Owner** Not Applicable Not Applicable **Generation Owner** Other Supplier **Generation Owner** Not Applicable Other Supplier Other Supplier **Electric Distributor** Not Applicable

Not Applicable

End-Use Customer

Not Applicable

Generation Owner

Electric Distributor

Not Applicable

Transmission Owner

Not Applicable
Transmission Owner
Transmission Owner
Not Applicable





| Ondayko, Brock | AEP Energy Partners, Inc. |
|----------------------|-----------------------------------|
| Pakela, Greg | DTE Energy Trading, Inc. |
| Pascual, Danylle Ann | Emissions Advisors Inc |
| Pelletier, Eveline | H.Q. Energy Services (U.S.), Inc. |
| Perera, Asanga | PJM Interconnection |

Poulos, Greg Rep.'g Delaware Division of the Public Advocate
Rabczak, Tetyana Illinois Commerce Commission
Rismiller, Randy Illinois Commerce Commission

Robertson, Kathleen Exelon Business Services Company, LLC
Robinson, Becky Dynegy Marketing and Trade, LLC
Robinson, Liz Philadelphia Solar Energy Association
Rodriguez, Tomas OPSI

Rohrbach, John Wabash Valley Power Association, Inc.

Rouland, Jim PPL Electric Utilities Corporation d/b/a PPL Utilities

Rutigliano, Tom NRDC

Sasser, Jonathan Customized Energy Solutions, Ltd.
Scarpignato, David Calpine Energy Services, L.P.
Scheidecker, Paul PJM Interconnection

Scheirer, Alexandra PJM Interconnection
Schreim. Morris MD PSC

Schuyler, Ken PJM Interconnection

Scorsolini, Mark PSEG Energy Resources and Trade LLC Shanker, Roy East Coast Power Linden Holdings, LLC

Sotkiewicz, Paul E-Cubed Policy Associates

Stern, Alexander Public Service Electric & Gas Company

Stupar, Rob Invenergy, LLC

Swalwell, Brad Tangent Energy Solutions, Inc.

Sweeney, Rory GT Power Group, LLC Tacka, Natalie PJM Interconnection

Theodore, Sharon EPSA

Tochev, Gueorgui PA House Appropriations Committee

Unel, Burcin Institute for Policy Integrity at NYU School of Law

Ward, Adam American Municipal Power, Inc.
Weaver, Scott Appalachian Power Company

Whitehead, Jeff GT Power Group Widom, Stuart PJM Interconnection

Willey, Amy
Delaware Public Service Commission
Williams, Fernie
East Kentucky Power Cooperative, Inc.

Wilson, James Wilson Energy Economics Wisersky, Megan Madison Gas & Electric Co.

Other Supplier
Not Applicable
Other Supplier
Not Applicable
End-Use Customer
Not Applicable
Not Applicable
Transmission Owner
Generation Owner
Not Applicable
Not Applicable
Electric Distributor

Transmission Owner

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Not Applicable
Not Applicable
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Generation Owner

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

Not Applicable Not Applicable Not Applicable

Transmission Owner

Transmission Owner Not Applicable

Other Supplier





Yoder, Michael Zakaria, Rama RTO Insider Environmental Defense Fund Not Applicable Not Applicable