

## Carbon Pricing Senior Task Force (CPSTF)

WebEx Only

February 25, 2021

9:00 a.m. – 12:00 p.m. EPT

### Administration (9:00-9:05)

1. Jen Tribulski and Suzanne Coyne provided welcome, announcements, and reviewed the Antitrust, Code of Conduct, and Public Meetings/Media Participation Guidelines. Stakeholders approved the draft minutes from the December 8, 2020 meeting.

### Informational Updates (9:05-9:10)

2. Marginal Carbon Emission Rate Publication

Tom Zadlo, PJM, provided an update on PJM's efforts to publish information on emission rates for public consumption.

### Education and Analysis (9:10–10:10)

3. PJM Carbon Study

Natalie Tacka, PJM, reviewed updates to the summary of PJM's study methodology and assumptions. The updated materials were posted on the [main CPSTF page](#) on pjm.com.

4. Study Comparison

Natalie Tacka, PJM, reviewed a comparison of the assumptions, methods, and findings from various carbon pricing studies.

### Next Steps and Future Agenda Items (10:10–10:30)

5. Jen Tribulski reviewed next steps and discussed future agenda items. Stakeholders can submit requests for additional education and analysis using the [Suggest an Educational Topic or Speaker link](#) on the CPSTF page.

### Future Meeting Dates

|  |                        |       |
|--|------------------------|-------|
| March 23, 2021 (cancelled)               | 9:00 a.m. – 12:00 p.m. | WebEx |
| April 15, 2021                           | 9:00 a.m. – 12:00 p.m. | WebEx |
| April 27, 2021 (rescheduled to April 15) | 1:00 p.m. – 4:00 p.m.  | WebEx |
| May 18, 2021                             | 9:00 a.m. – 12:00 p.m. | WebEx |
| June 15, 2021                            | 9:00 a.m. – 12:00 p.m. | WebEx |

Author: Suzanne Coyne

## WebEx Meeting Attendees

|                              |  |                      |
|------------------------------|--|----------------------|
| Tribulski, Jen (Facilitator) | PJM Interconnection                                    | Not Applicable       |
| Coyne, Suzanne (Secretary)   | PJM Interconnection                                    | Not Applicable       |
| Abbott, JD                   | Snowcat Capital  | Not Applicable       |
| Anders, David                | PJM Interconnection                                    | Not Applicable       |
| Arnold, Katelyn              | PPL Electric Utilities Corporation d/b/a PPL Utilities | Transmission Owner   |
| Bagot, Nancy                 | EPSA   | Not Applicable       |
| Baker, Jeff                  | Duke Energy Business Services, LLC                     | Transmission Owner   |
| Barker, Jason                | Exelon Business Services Company, LLC                  | Transmission Owner   |
| Barry, Chris                 | NJ Dept. of Environmental Protection                   | Not Applicable       |
| Benckek, Jim                 | First Energy   | Transmission Owner   |
| Bennett, Stephen             | PJM Interconnection                                    | Not Applicable       |
| Bhana, Rajesh                | Exelon Generation Co., LLC                             | Generation Owner     |
| Breidenbaugh, Aaron          | Rodan Energy Solutions (USA) Inc.                      | Other Supplier       |
| Brodbeck, John               | EDP Renewables North America LLC                       | Generation Owner     |
| Bruce, Susan                 | McNees Wallace & Nurick LLC                            | Not Applicable       |
| Carmean, Gregory             | OPSI   | Not Applicable       |
| Chen, Yang                   | PJM Interconnection                                    | Not Applicable       |
| Chmielewski, Brian           | PJM Interconnection                                    | Not Applicable       |
| Coyle, Billy                 | Dominion Energy Generation Marketing, Inc.             | Generation Owner     |
| Dailey, Michael              | Northern Virginia Electric Cooperative                 | Electric Distributor |
| D'Alessandris, Lou           | First Energy   | Transmission Owner   |
| Davis, James                 | Dominion Energy Generation Marketing, Inc.             | Generation Owner     |
| Dugan, Chuck                 | East Kentucky Power Cooperative, Inc.                  | Transmission Owner   |
| Dumitriu, Nicolae            | PJM Interconnection                                    | Not Applicable       |
| Elkins, Rachel               | American Transmission Systems, 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       |
| Foladare, Kenneth            | Geenex Solar LLC                                       | Generation Owner     |
| Foster, Denise               | East Kentucky Power Cooperative, Inc.                  | Transmission Owner   |
| Frye, Samuel                 | Mercuria Energy America, LLC                           | Other Supplier       |
| Fuess, Christian             | White Pine Consulting, LLC                             | Not Applicable       |
| Gahimer, Michael             | Indiana Office of Utility Consumer Counselor (IN OUCC) | End-Use Customer     |
| Gates, Jill                  | PJM Interconnection                                    | Not Applicable       |
| Gates, Terry                 | Appalachian Power Company (AEP Generation)             | Transmission Owner   |
| Gebolys, Debbie              | Public Utilities Commission of Ohio (The)              | Not Applicable       |
| Gilani, Rehan                | Consolidated Edison Energy, Inc.                       | Other Supplier       |
| Granstrand, Luke             | Dominion Energy Generation Marketing, Inc.             | Generation Owner     |

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| Greiner, Gary        | PSEG Energy Resources and 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                                     | Not Applicable       |
| Hastings, David      | Market Interconnection Consulting Services                  | Not Applicable       |
| Helm, Gary           | PJM Interconnection   | Not Applicable       |
| 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       |
| Horstmann, John      | Dayton Power & Light Company (The)                          | Transmission Owner   |
| Hsia, Eric           | PJM Interconnection   | Not Applicable       |
| Huang, Henry         | Exelon Generation Co., LLC                                  | Generation Owner     |
| Hull, Gerit          | American Municipal Power, Inc.                              | Electric Distributor |
| Hyatt, John          | Monitoring Analytics  | Not Applicable       |
| Hyzinski, Tom        | GT Power Group, LLC   | Not Applicable       |
| Jagtiani, Patricia   | Natural Gas Supply Association                              | Not Applicable       |
| Janicki, Diane       | Boston Energy Trading and Marketing LLC                     | Other Supplier       |
| Jardot, Gina         | NRG Power Marketing, LLC                                    | Generation Owner     |
| Jens, Thomas         | Black Oak Capital, LLC                                      | Other Supplier       |
| Johnson, Carl        | Customized Energy Solutions, Ltd.                           | Not Applicable       |
| Johnston, Dave       | Indiana Utility Regulatory Commission                       | Not Applicable       |
| Kazerooni, Hamid     | Invenergy, LLC  | Generation Owner     |
| Kelly, Stephen       | Brookfield Renewable Trading and Marketing LP               | Other Supplier       |
| kerecman, Joe        | Calpine Energy Services, L.P.                               | Generation Owner     |
| Kogut, George        | New York Power Authority                                    | Other Supplier       |
| Kozhuharov, Dimitar  | Delaware Municipal Electric Corporation, Inc.               | Electric Distributor |
| LaRocque, Matthew    | PJM Interconnection   | Not Applicable       |
| Lejcar, Jamie        | Allegheny Electric Cooperative, Inc.                        | Electric Distributor |
| Littell, David       | Regulatory Assistance Project                               | Not Applicable       |
| Lu, Chenchao         | PJM Interconnection   | Not Applicable       |
| Mansour, Mike        | PUCO  | Not Applicable       |
| Mariam, Yohannes     | Office of the People's Counsel for the District of Columbia | End-Use Customer     |
| Matheson, Eric       | PA Public Utility Commission                                | Not Applicable       |
| McAlister, Lisa      | American Municipal Power, Inc.                              | Electric Distributor |
| Midgley, Sharon      | Exelon Business Services Company, LLC                       | Transmission Owner   |
| Murphy, Shaun        | PJM Interconnection   | Not Applicable       |
| Nix, Emma            | Gabel Associates  | Not Applicable       |
| Norman, Catherine    | FERC Staff  | Not Applicable       |

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| Okenfuss, James       | Savion, LLC   | Not Applicable       |
| Ondayko, Brock        | AEP Energy Partners, Inc.                           | Transmission Owner   |
| Opremcak, Matthew     | Nautilus Power, LLC                                 | Generation Owner     |
| Pakela, Greg          | DTE Energy Trading, Inc.                            | Other Supplier       |
| Pelletier, Eveline    | H.Q. Energy Services (U.S.), Inc.                   | Other Supplier       |
| Pillmeier, Matthew    | Public Service Electric & Gas Company               | Transmission Owner   |
| Proconiar, Jason      | Buckeye Power, Inc.                                 | Electric Distributor |
| Rinkoski, Marie       | Constellation Energy Projects & Services Group, Inc | Other Supplier       |
| Robertson, Kathleen   | Exelon Business Services Company, LLC               | Transmission Owner   |
| Robinson, Becky       | Dynegy Marketing and Trade, LLC                     | Generation Owner     |
| Rodriguez, Tomas      | OPSI  | Not Applicable       |
| Sasser, Jonathan      | Customized Energy Solutions, Ltd.                   | Not Applicable       |
| Scarpignato, David    | Calpine Energy Services, L.P.                       | Generation Owner     |
| Schreim, Morris       | MD PSC  | Not Applicable       |
| Schuyler, Ken         | PJM Interconnection                                 | Not Applicable       |
| Shegarfi, Roozbeh     | Exelon Generation Co., LLC                          | Generation Owner     |
| Squibb, Bill          | Ohio Valley Electric Corporation                    | Transmission Owner   |
| Stern, Alexander      | Public Service Electric & Gas Company               | Transmission Owner   |
| Stupar, Rob           | Invenergy, LLC                                      | Generation Owner     |
| Suh, Jung             | Calpine Energy Solutions, LLC                       | Other Supplier       |
| Tacka, Natalie        | PJM Interconnection                                 | Not Applicable       |
| Unel, Burcin          | Institute for Policy Integrity at NYU School of Law | Not Applicable       |
| Vargo, Daniel         | Allegheny Electric Cooperative, Inc.                | Electric Distributor |
| Wehnes, Kathleen      | Maryland Department of the Environment              | Not Applicable       |
| White, Brett          | Pine Gate Renewables                                | Not Applicable       |
| Whitehead, Jeff       | GT Power Group                                      | Not Applicable       |
| Widom, Stuart         | PJM Interconnection                                 | Not Applicable       |
| Willey, Amy           | Delaware Public Service Commission                  | Not Applicable       |
| Wilson, James         | Wilson Energy Economics                             | Not Applicable       |
| Wisersky, Megan       | Madison Gas & Electric Co.                          | Other Supplier       |
| Wisniewski, Christian | DNREC - Division of Air Quality                     | Not Applicable       |
| Yoder, Michael        | RTO Insider   | Not Applicable       |
| Zadlo, Thomas         | PJM Interconnection                                 | Not Applicable       |
| Zakaria, Rama         | Environmental Defense Fund                          | Not Applicable       |
| Zemanek, Kevin        | Buckeye Power, Inc.                                 | Electric Distributor |