

DER and Inverter-based Resources Subcommittee – EDC Coordination workshop on DER WebEx Only May 5, 2021
1:00 p.m. – 3:00 p.m. ET

Administration (1:00 - 1:05)

- 1. Scott Baker opened the meeting and review the agenda.
- 2. Hamad Ahmed reviewed the meeting participation guidelines.

Order 2222 (1:05 - 2:45)

- 3. First Energy presented metering configurations for residential and commercial DER customers.
 - Chris Wehr, First Energy, discussed key scenarios and configurations within residential non-market participation, residential market participation, small and large C&I non-market participation and small and large C&I Market participation. FE also discussed key considerations.
- 4. Stakeholders discussed a schedule for future workshop topics.

Action items and next meeting agenda (2:45 – 3:00)

5. The facilitation team reviewed action items from the meeting and took requests for future agenda items.

Future Meeting Dates

| May 19, 2021 June 11,2021–EDC Coordination workshop June 28, 2021 July 15,2021–EDC Coordination workshop July 23, 2021 August 10, 2021–EDC Coordination workshop August 16, 2021 September 14, 2021 September 21, 2021–EDC Coordination workshop October 22, 2021 November 9, 2021-EDC Coordination workshop November 22, 2021 | 9:00 - 4:00 10:00 - 12:00 9:00 - 4:00 2:00 - 4:00 9:00 - 4:00 3:00 - 5:00 9:00 - 12:00 9:00 - 12:00 3:00 - 5:00 9:00 - 4:00 3:00 - 5:00 9:00 - 3:00 | WebEx |
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| November 22, 2021 December 9, 2021-EDC Coordination workshop December 21, 2021 | 9:00 – 3:00 3:00 – 5:00 9:00 – 4:00 | WebEx WebEx WebEx |
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Author: Hamad Ahmed

WebEx Meeting Attendance

| Maria | O No | 0 |
|-------|--------------|--------|
| Name | Company Name | Sector |





| Edward Achaab | AEP Ohio Transmission Company, Inc. | Transmission Owner |
|--------------------|--|--------------------|
| Hamad Ahmed | PJM Interconnection | None |
| | | |
| Malcolm Ainspan | NRG Curtailment Solutions, Inc. | Other Supplier |
| William Allen | Commonwealth Edison Company | Transmission Owner |
| David Anders | PJM Interconnection | None |
| Katelyn Arnold | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| Qamar Arsalan | Public Service Electric & Gas Company | Transmission Owner |
| Thomas Bainbridge | Guidehouse | |
| Jeff Baker | PJM Connect | |
| Scott Baker | PJM Interconnection | None |
| George Beam | PPL Elec Utilities Corp dba PPL Utilities (PPL POLR Small C&I) | Transmission Owner |
| Jim Benchek | FirstEnergy Corporation | |
| Emanuel Bernabeu | PJM | |
| Aaron Berner | PJM Interconnection | None |
| Tyler Berton | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Rajesh Bhana | Exelon Business Services Company, LLC | Transmission Owner |
| Donnie Bielak | PJM Interconnection | None |
| John Borkoski | MD Public Service Commission | |
| Joe Bowring | Monitoring Analytics | |
| Glen Boyle | PJM Interconnection | None |
| Aaron Breidenbaugh | Rodan Energy Solutions (USA) Inc. | Other Supplier |
| John Brodbeck | EDP Renewables North America LLC | Generation Owner |
| Richard Brooks | Reliable Energy Analytics LLC | |
| Patrick Bruno | PJM Interconnection | None |
| Michael Bryson | PJM Internal | |
| Kat Burnham | Advanced Energy Economy (AEE) | |
| Kevin Burns | Open Access Technology International, Inc. | None |
| Zachary Callen | Illinios Commerce Commission | |
| Bruce Campbell | Enerwise Global Technologies, LLC | Other Supplier |
| David Canter | Appalachian Power Company (AEP Generation) | Transmission Owner |





| Gregory Carmean | Organization of PJM States, Inc. | |
|---------------------|---|----------------------|
| Mohan Chakragiri | ENGIE Energy Marketing NA, Inc. (Bluestone) | Other Supplier |
| Sean Chang | Shell Energy North America (US), L.P. | Other Supplier |
| Yee Hong Chee | MCG Energy Solutions | |
| Yang Chen | PJM Interconnection | None |
| Roseanne Circelli | Public Service Electric & Gas Company | Transmission Owner |
| Stephen Thiel ComEd | PJM Connect | |
| Nancy Connelly | Duke Energy Ohio, Inc. | Transmission Owner |
| Danielle Croop | PJM Interconnection | None |
| Jeff Currier ES | Dominion Virginia Power | Transmission Owner |
| Michael Dailey | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Louis D'Alessandris | American Transmission Systems, Inc. | Transmission Owner |
| Elizabeth Davis | PJM Interconnection | None |
| | | |
| James Davis | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| Joseph DeLosa | New Jersey Board of Public Utilities | |
| Brett Denby | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Thomas DeVita | PJM Interconnection | None |
| Meredith Dibert | Pennsylvania Department of Environmental Protection | |
| Mamadou Diong | Dominion Virginia Power | Transmission Owner |
| Ryan Dolan | Dayton Power & Light Company (The) (EDC) | Transmission Owner |
| Christin Domian | Duquesne Light Company | Transmission Owner |
| Rick Drom | Rick Drom | |
| Ilyana Dropkin | PJM Interconnection | None |
| Chuck Dugan | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Nicolae Dumitriu | PJM Interconnection | None |
| Julian Echeverri | Opdenergy | |
| Rachel Elkins | American Transmission Systems, Inc. | Transmission Owner |
| David Ellis | Public Service Electric & Gas Company | Transmission Owner |





| zhenyu fan | PJM Interconnection | None |
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| George Fee | Appalachian Power Company (AEP Generation) | Transmission Owner |
| Guy Filomena | Customized Energy Solutions, Ltd. | None |
| Brian Fitzpatrick | PJM Interconnection | None |
| Madeline Fleisher | Dickinson Wright PLLC | |
| Kenneth Foladare | Geenex Solar LLC | Generation Owner |
| Adrien Ford | Old Dominion Electric Cooperative | Electric Distributor |
| Denise Foster Cronin | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Darrell Frogg | PJM Interconnection | None |
| Michael Gahimer | Indiana Office of Utility Consumer Counselor (IN OUCC) | |
| Jill Gates | PJM Interconnection | |
| Terry Gates | Appalachian Power Company (AEP Generation) | Transmission Owner |
| Gabrielle Genuario | PJM Interconnection | None |
| Rehan Gilani | ConEdison Energy, Inc. | Other Supplier |
| Joe Gilpin | Duke Energy Ohio, Inc. (EDC) | Transmission Owner |
| Joe Gilpin | Peak Power Inc | |
| Suzanne Glatz | PJM Interconnection | None |
| Craig Glazer | PJM Interconnection | None |
| Marlena Gouin | Pennsylvania Electric Company | Electric Distributor |
| Luke Granstrand | Dominion Virginia Power | |
| Michele Greening | PJM Interconnection | None |
| Gary Greiner | PSEG Energy Resources and Trade LLC | Other Supplier |
| Vince Guntle | American PowerNet Management, L.P. | End-Use Customer |
| Erik Hanser | Michigan Public Service Commission | |
| Conclinator | DDI Flootio Hillian Core de DDI 1877 - 4 OF | Transmission Over |
| Gary Hartman | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| Prusha Hasan | Advanced Energy Economy | |
| Frederick Heinle | Office of the Peoples Counsel | |
| Chad Heitmeyer | Appalachian Power Company (AEPSCO) | Transmission Owner |
| Suzanne Herel | PJM Interconnection | None |
| Tom Hoatson | West Deptford Energy, LLC | Generation Owner |





| Jennifer Hohenshilt | Talen Energy Marketing, LLC | Generation Owner |
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| Duth Haldhaad | Madhar Viniria Flatic Consentius (NOVFO) | Floridi Distributos |
| Ruth Holdbrook | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Tony Holton | Commonwealth Edison Company | Transmission Owner |
| Lynn Marie Horning | Customized Energy Solutions, Ltd. | None |
| | | |
| John Horstmann | Dayton Power & Light Company (The) | Transmission Owner |
| Benjamin Hunter | BSHunter | |
| Tom Hyzinski | gtpghyzinsk | |
| Arthur Iler | Indiana Office of Utility Consumer Counselor | |
| Diane Janicki | Boston Energy Trading and Marketing LLC | Other Supplier |
| | | |
| Gina Jardot | NRG Curtailment Solutions, Inc. | Other Supplier |
| William Jett | Duke Energy Business Services LLC | Transmission Owner |
| | | |
| Kelsi Jewell ES | Dominion Virginia Power | Transmission Owner |
| Monica Jha | PCI | |
| Augustus Johnson | Dominion Virginia Power (EDC) | Transmission Owner |
| Augustus Johnson | Dominion Vilginia i ower (LDO) | Transmission Owner |
| Bethany Johnson | PPL Electric Utilities Corp. dba PPL Utilities (TO) | Transmission Owner |
| Carl Johnson | Customized Energy Solutions, Ltd. | None |
| N. a | 4500 " | T |
| Nathaniel Johnson | Appalachian Power Company (AEP Generation) | Transmission Owner |
| David Johnston | Other | |
| Brian Kauffman | Enel X North America, Inc. | Other Supplier |
| | | |
| Stephen Kelly | Brookfield Renewable Trading and Marketing LP (BSMH) | Other Supplier |
| Thomas Kennedy | Commonwealth Edison Company | |
| Kevin Kilgallen | Avangrid Renewables, LLC | Generation Owner |
| | | |
| Nicolas Koehler | Appalachian Power Company (AEP Transmission) | Transmission Owner |
| George Kogut | New York Power Authority | Other Supplier |
| Lori Murphy Lee | PJM Interconnection | None None |
| Lon Murphy Loc | 1 om motoumouon | HOID |
| Katherine Legates | Appalachian Power Company (AEP Generation) | Transmission Owner |
| Benjamin Levitt | IHS Markit | |





| Steven Lieberman | American Municipal Power, Inc. | Electric Distributor |
|--------------------|--|----------------------|
| OONNIE LOWE | D N D | T |
| CONNIE LOWE | Dominion Virginia Power | Transmission Owner |
| Yohannes Mariam | Office of the People's Counsel for the District of Columbia | |
| julie mason | Duke Energy Ohio, Inc. | Transmission Owner |
| Eric Matheson | Non-member | |
| Paul McGlynn | PJM Interconnection | None |
| Timothy McInerney | Commonwealth Edison Company | Transmission Owner |
| Sharon Midgley | Exelon Business Services Company, LLC | Transmission Owner |
| James Mirabile | Baltimore Gas and Electric Company | Transmission Owner |
| Lisa Morelli | PJM Interconnection | None |
| Mike Nester | Dominion Virginia Power (EDC) | Transmission Owner |
| Emma Nix | Jersey Green Energy LLC | Other Supplier |
| Chris Norton | American Municipal Power, Inc. | Electric Distributor |
| James Okenfuss | Savion, LLC | |
| Brock Ondayko | AEP Energy Partners, Inc. (AEP Gen Resources) | Transmission Owner |
| Sara Parkison | University of Delaware | |
| keyurbhai patel | PJM Interconnection | None |
| Darlene Phillips | PJM Interconnection | |
| Christopher Pilong | PJM Interconnection | None |
| Joseph Polka | Duquesne Light Company | |
| Greg Poulos | PJM Committee Voting Generic Account | |
| Nicholas Pratt | PPL Electric Utilities Corp. dba PPL Utilities (TO) | Transmission Owner |
| Ruth Price | Delaware Division of the Public Advocate | Transmission Owner |
| Nati iioc | Boldware Bivision of the Labite Navocate | |
| Jason Procuniar | Buckeye Power, Inc. | Electric Distributor |
| Michael Purdie | Dominion Virginia Power | Transmission Owner |
| Farrokh Rahimi | Open Access Technology International, Inc. | None |
| | N # 15 11 6 11 6 11 6 12 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 51.41.81.41 |
| John Rainey | Northern Virginia Electric Cooperative (NOVEC) | Electric Distributor |
| Ryann Reagan | New Jersey Board of Public Utilities | |
| Wanda Reder | PPL | |





| Jim REILLY | Reilly Associates | |
|----------------------|--|----------------------|
| Tomas Rodriguez | Organization of PJM States, Inc. | |
| John Rohrbach | Wabash Valley Power Association, Inc. | Electric Distributor |
| Alexa Rooney | PPL Electric Utilities Corp. dba PPL Utilities (TO) | Transmission Owner |
| Alex Rosenblatt | Duquesne Light Company | Transmission Owner |
| James Rouland | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| Amanda Rumsey | PPL Electric Utilities Corp. dba PPL Utilities (TO) | Transmission Owner |
| Bruce Sailers | Duke Energy Ohio, Inc. (EDC) | Transmission Owner |
| Jonathan Sasser | Customized Energy Solutions, Ltd. | None |
| David Scarpignato | Calpine Energy Services, L.P. | Generation Owner |
| Kenneth Schisler | Enerwise Global Technologies, LLC | Other Supplier |
| Ken Schuyler | PJM Interconnection | None |
| Bahaa Seireg | Rockland Electric Company | Transmission Owner |
| William Sharkazy III | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner |
| Evan Shearer | Duke Energy Business Services LLC | Transmission Owner |
| Bill Skumanich | RTR Energy Solutions LLC | None |
| Mark Smith | AEP Energy Partners, Inc. (AEP Retail) | Transmission Owner |
| James Sorrels | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Vincent Stefanowicz | PJM Interconnection | None |
| Ed Stein | Ohio Edison Company | Electric Distributor |
| Alexander Stern | Public Service Electric & Gas Company | Transmission Owner |
| Heather Svenson | Public Service Electric & Gas Company | Transmission Owner |
| Brad Swalwell | Tangent Energy Solutions, Inc. | Other Supplier |
| Rory Sweeney | GT Power Group, LLC | None |
| Robert Taylor | Commonwealth Edison Company | Transmission Owner |





| Kevin Thundiyil | Exelon Generation Co., LLC (NEV_XLON) | Generation Owner |
|-------------------|--|----------------------|
| James Tobia | FirstEnergy Services | |
| Catherine Tyler | Monitoring Analytics | |
| Jacqueline Walker | Duke Energy Business Services LLC | |
| Laura Walter | PJM Interconnection | None |
| Jerry Warchol | Dominion Virginia Power (EDC) | Transmission Owner |
| Betty Watson | Affirmed Energy LLC | Other Supplier |
| Kathleen Wehnes | Maryland Department of the Environment | |
| Christopher Wehr | Ohio Edison Company (EDC) | Electric Distributor |
| Matthew Wharton | Guidehouse Inc | |
| Jeffrey Whitehead | GT Power Group | |
| Amy Willey | Delaware Public Service Commission | |
| Megan Wisersky | Madison Gas & Electric Co. | Other Supplier |
| Damon Xenopoulos | Other | |
| Andrea Yeaton | PJM Interconnection | None |
| Jin An Yi | jinan | |
| Michael Yoder | RTO Insider | |
| Kyungjin Yoo | Monitoring Analytics | |

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You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

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