



Special MIC: Operating Reserve Clarification for Resources Operating as Requested by PJM WebEx Only December 11, 2023 9:00 a.m. – 12:00 p.m. EPT

### Administration (9:00 - 9:15)

Nick DiSciullo, facilitator, provided a welcome to the meeting.

Joseph Tutino, secretary, reviewed the Antitrust, Code of Conduct, Public Meetings/Media Participation and the WebEx Participant Identification Requirements as detailed at the end of this agenda as well as received endorsement of the minutes from the last meeting.

The minutes from November 10 meeting were approved by acclamation by the committee.

1. Nick DiSciullo, PJM, reviewed the work plan.

### Consensus Based Issue Resolution (9:15 - 10:45)

- 2. Aaron Baizman, PJM, reviewed a presentation outlining additional examples of a new "Tracking Ramp Limited Desired" metric.
- 3. Nick DiSciullo, PJM, solicited additional interests and design components for the matrix.

### Additional Items (10:45 - 11:00)

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

## Stakeholders are encouraged to provide any design components/interests in advance of the next meeting.

| Future Meeting Dates and Materials |              |            | Materials Due           | Materials  |
|------------------------------------|--------------|------------|-------------------------|------------|
|                                    |              |            | to Secretary            | Published  |
| Date                               | Time         | Location   | 5:00 p.m. EPT deadline* |            |
| January 12                         | 9:00 – 12:00 | WebEx Only | January 5               | January 9  |
| February 12                        | 1:00 – 4:00  | WebEx Only | February 5              | February 7 |
| March 11                           | 1:00 – 4:00  | WebEx Only | March 4                 | March 6    |
| April 12                           | 9:00 – 12:00 | WebEx Only | April 5                 | April 9    |
| May 13                             | 1:00 – 4:00  | WebEx Only | May 6                   | May 8      |
| June 10                            | 1:00 – 4:00  | WebEx Only | June 3                  | June 5     |

\*Materials received after 12:00 p.m. EPT are not guaranteed timely posting by 5:00 p.m. EPT on the same day.

Author: Joseph Tutino

### WebEx Attendance





| Last Name       | First Name | Company Name                                         | Sector                  |
|-----------------|------------|------------------------------------------------------|-------------------------|
| Ament           | Todd       | Cube Hydro Partners, LLC                             | Generation Owner        |
| Anders          | David      | PJM Interconnection                                  | None                    |
| Arkatin         | Tyler      | PJM Interconnection                                  | None                    |
| Baer            | Madelyn    | Buckeye Power, Inc.                                  | Electric Distributor    |
| Baizman         | Aaron      | PJM Interconnection                                  | None                    |
| Balyk           | Joel       | TransAlta Energy Marketing (U.S.) Inc.               | Other Supplier          |
| Barker          | Jason      | Vitol Inc.                                           | Generation Owner        |
| Barrett         | Emily      | PJM Interconnection                                  | None                    |
| Belenky         | Maria      | PJM Interconnection                                  | None                    |
| Boyle           | Glen       | PJM Interconnection                                  | None                    |
| Brodbeck        | John       | EDP Renewables North America LLC                     | Generation Owner        |
| Cao             | Roger      | PJM Interconnection                                  | None                    |
| Carmean         | Gregory    | Organization of PJM States, Inc.                     | None                    |
| Chang           | Sean       | Shell Energy North America (US), L.P.                | Other Supplier          |
| Chmielewski     | Brian      | PJM Interconnection                                  | None                    |
| Christopher     | Mahila     | Public Utilities Commission of Ohio                  | None                    |
| Chu             | George     | PJM Interconnection                                  | None                    |
| Ciabattoni      | Joseph     | PJM Interconnection                                  | None                    |
| Concina         | Wendell    | Commonwealth Edison Company                          | Transmission Owner      |
| Connolly        | Matthew    | PJM Interconnection                                  | None                    |
| Coyne           | Suzanne    | PJM Interconnection                                  | None                    |
| Croop           | Danielle   | PJM Interconnection                                  | None                    |
| D'Antonio       | Phil       | PJM Interconnection PJM Interconnection              | None                    |
| Danionio        | Mike       | Northern Virginia Electric Cooperative (Generation)  | Electric Distributor    |
| Dierkshiede     | Andrew     |                                                      | None                    |
| Disciullo       | Nicholas   | IGS Energy PJM Interconnection                       | None                    |
|                 |            | PJM Interconnection                                  |                         |
| Downs           | Jere       |                                                      | None Transmission Owner |
| Dugan           | Chuck      | East Kentucky Power Cooperative, Inc.                |                         |
| Fan<br>Filomena | Zhenyu     | PJM Interconnection                                  | None                    |
|                 | Guy        | Customized Energy Solutions, Ltd.                    | None                    |
| Fink            | Sari       | MAREC Action                                         | None                    |
| Flamm           | Sean       | PJM Interconnection                                  | None                    |
| Foladare        | Kenneth    | Geenex Solar LLC                                     | Other Supplier          |
| Ford            | Adrien     | Constellation Energy Generation, LLC                 | Generation Owner        |
| Fultz           | McClain    | PPL Electric Utilities Corp. dba PPL Utilities (LSE) | Transmission Owner      |
| Gates           | Terry      | Appalachian Power Company (AEP Generation)           | Transmission Owner      |
| Gilani          | Rehan      | RWE CLEAN ENERGY WHOLESALE SERVICES, INC.            | Other Supplier          |
| Glazer          | Grant      | MN8 Energy Operating Company LLC                     | None                    |
| Gorman          | Bradley    | American Transmission Systems, Inc.                  | Transmission Owner      |
| Granstrand      | Luke       | Dominion Virginia Power                              | Transmission Owner      |
| Greening        | Michele    | PJM Interconnection                                  | None                    |
| Hastings        | David      | PSEG Energy Resources and Trade LLC                  | Other Supplier          |
| Hoatson         | Tom        | West Deptford Energy, LLC                            | Generation Owner        |
| Hohenshilt      | Jennifer   | Talen Energy Marketing, LLC                          | Generation Owner        |
| Holter          | Natasha    | PJM Interconnection                                  | None                    |
| Hounshell       | Jacob      | Buckeye Power, Inc.                                  | Electric Distributor    |
| Hull            | Gerit      | American Municipal Power, Inc.                       | Electric Distributor    |
| Hurd            | Shawn      | Monongahela Power Company d/b/a Allegheny Power      | Transmission Owner      |
| Hyzinski        | Thomas     | GT Power Group                                       | None                    |
| Janicki         | Diane      | Boston Energy Trading and Marketing LLC              | Other Supplier          |
| Jardot          | Gina       | NRG Curtailment Solutions, Inc.                      | Other Supplier          |
| Johnson         | Carl       | Customized Energy Solutions, Ltd.                    | None                    |
| Johnston        | David      | Indiana Utility Regulatory Commission                | None                    |
| Jones           | Scott      | Indiana Office of Utility Consumer Counselor         | End Use Customer        |
| Kelly           | Stephen    | Brookfield Renewable Trading and Marketing LP (BSMH) | Other Supplier          |
| Kenney          | Susan      | PJM Interconnection                                  | None                    |
| Kent            | Janessa    | Duquesne Light Company                               | Transmission Owner      |
| Kingston        | Amber      | ACES Power Marketing                                 | None                    |
| Kirk            | Steven     | NextEra Energy Marketing, LLC                        | Other Supplier          |
| Lacek           | Mollie     | PJM Interconnection                                  | None                    |
| Li              | Kanning    | PJM Interconnection                                  | None                    |





| Luna Joel Montofring Analytics None Mabry David McNees Wallace & Nurick LLC Mason Gary Monorgahela Power Company divid Allegheny Power Maucher Andrea Deleware Division of the Public Advocate End Use Customer McNeil Justin Kentucky Public Service Commission None McNicholas Daniel Nautilus Power, LLC Generation Owner McNeil Justin None McNicholas Daniel Nautilus Power, LLC Generation Owner McNicholas Daniel Nautilus Power, LLC Generation Owner McNicholas Daniel Nautilus Power, LLC Generation Owner McNicholas Daniel Publi Interconnection Monroe Diane Publ Interconnection Monroe Diane Publ Interconnection Monroe Diane Publ Interconnection Moroel Lisa Publ Interconnection Moroel Lisa Publ Interconnection Moscoviz Daniel Publ Interconnection Moscoviz Daniel Publ Interconnection Moscoviz Daniel Publ Interconnection None Olaleye Michael Publi Interconnection None Publi Interconnection None Olaleye Robert Keystone-Conemaugh Projects, LLC (Keystone) Offer Supplier Ondayko Brock AEP Energy Pattners, Inc. (AEP Gen Resources) Transmission Owner Dilinger Robert Keystone-Conemaugh Projects, LLC (Keystone) Offer Supplier Ondayko Brock AEP Energy Pattners, Inc. (AEP Gen Resources) Transmission Owner Dan Reverside Generating Company, LLC. Generation Owner Diling Amanda Wabash Valley Power Association, Inc. Electric Distributor Piling Amanda Wabash Valley Power Association, Inc. Electric Distributor Piling Contraction None Orales Greg Organization of Publ States, Inc. None Publiss Greg Organization of Publ States, Inc. None | Lowenthal-Savy | Daniele  | Monitoring Analytics              | None                 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------|-----------------------------------|----------------------|
| Mathry         David         McNees Wallace & Nurok LLC         None           Mason         Gary         Monogashela Power Company d/b/a Allegheny Power         Transmission Owner           Maucher         Andrea         Deleware Division of the Public Advocate         End Use Customer           McNicholas         Daniel         Nautilus Power, LLC         Generation Owner           Mihaly         Implementation         None           Mohler         Tina         P.JM Interconnection         None           Monore         Diane         P.JM Interconnection         None           Monore         Diane         P.JM Interconnection         None           Morore         Jeffrey         Allegheny Power (MonPwr Gen)         Transmission Owner           Morore         Jeffrey         Allegheny Power (MonPwr Gen)         Transmission Owner           Morore         Daniel         P.JM Interconnection         None           Odakes         Brian         P.JM Interconnection         None           Olaleye         Michael         P.JM Interconnection         None           Olaleye         Michael         P.JM Interconnection         None           Ondayko         Brock         AEP Energy Resources and Trade LLC         Other Supplier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lu             | Chenchao | PJM Interconnection               | None                 |
| Mason         Gary         Monongahela Power Company dbia Allegheny Power         Transmission Owner           Maucher         Andrea         Delaware Division of the Public Advocate         End Use Customer           McNicholas         Daniel         Nauflius Power, LLC         Generation Owner           McNicholas         Daniel         Nauflius Power, LLC         Generation Owner           Mohler         Tina         P.JM Interconnection         None           Mohler         Tina         P.JM Interconnection         None           Mooney         Jeffrey         Allegheny Power (MonPwr Gen)         Transmission Owner           Moscovitz         Daniel         P.JM Interconnection         None           Moscovitz         Daniel         P.JM Interconnection         None           Okaks         Brian         P.JM Interconnection         None           Okaks         Brian         P.JM Interconnection         None           Olaleye         Michael         P.JM Interconnection         None           Olinger         Robert         Keystone-Conemaugh Projects, LLC (Keystone)         Other Supplier           Oflagye         Robert         Keystone-Conemaugh Projects, LLC (Keystone)         Other Supplier           Ondayko         Brook         AEP En                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Luna           | Joel     | Monitoring Analytics              | None                 |
| Mason         Gary         Monongahela Power Company übla Allegheny Power         Transmission Owner           Maucher         Andrea         Delaware Division of the Public Advocate         End Use Customer           McNicholas         Daniel         Nauflus Power, LLC         Generation Owner           McNicholas         Daniel         Nauflus Power, LLC         Generation Owner           Mohler         Tina         P.JM Interconnection         None           Mohler         Tina         P.JM Interconnection         None           Mooney         Jeffrey         Allegheny Power (MonPwr Gen)         Transmission Owner           Moscovitz         Daniel         P.JM Interconnection         None           Moscovitz         Daniel         P.JM Interconnection         None           Okakes         Brian         P.JM Interconnection         None           Okakes         Brian         P.JM Interconnection         None           Ollaeye         Michael         P.JM Interconnection         Ofter Supplier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Mabry          | David    | McNees Wallace & Nurick LLC       | None                 |
| Maucher                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                | Gary     |                                   | Transmission Owner   |
| McNicholas   Daniel   Nautilus Power, LLC   Generation Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Maucher        |          |                                   |                      |
| Mohilar                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | McNeil         | Justin   |                                   |                      |
| Mohier   Tina   P.M. Interconnection   None   Mohier   Tina   P.M. Interconnection   None   Mone   Mohier   Tina   P.M. Interconnection   None   Mone   Mone   Mone   Mohier   D.M. Interconnection   None   Mone   Mone   Mohier    |                |          |                                   |                      |
| Monroe   Diane   PJM Interconnection   None   Monroe   Diane   PJM Interconnection   None   Monroe   Jeffrey   Allegheny Power (MonPwr Gen)   Transmission Owner   Morelli   Lisa   PJM Interconnection   None   Moscovitz   Daniel   PJM Interconnection   None   None   Moscovitz   Daniel   PJM Interconnection   None   None   Mone   Moscovitz   Daniel   PJM Interconnection   None   None   Olaleye   Michael   PJM Interconnection   None   None   Olaleye   Michael   PJM Interconnection   None   Olaleye   Michael   PJM Interconnection   None   Other Supplier   Other Supplier   Other Supplier   Officer   Robert   Keystone-Conemaugh Projects, LLC (Keystone)   Other Supplier   Ondayko   Brock   AEP Energy Partners, Inc. (AEP Gen Resources)   Transmission Owner   Osborn   Eric   EDF Trading North America, LLC   Other Supplier   Other Supplier   Patel   Harshil   PJM Interconnection   None   Other Supplier   None   Patel   Harshil   PJM Interconnection   None   None   Philips   Amanda   Wabash Valley Power Association, Inc.   Electric Distributor   Pilong   Christopher   PJM Interconnection   None   Pilong   Christopher   PJM Interconnection   None   Pilong   Christopher   PJM Interconnection   None   Christopher   PJM Interconnection   None   Pilong   Christopher   PJM Interconnection   PJM Interconnection   None   PJM Interconnect   |                |          |                                   |                      |
| Monne   Diane   P.JM Interconnection   None   Mooney   Jeffrey   Alleghery Power (MonPwr Gen)   Transmission Owner   Morelli   Lisa   P.JM Interconnection   None   None   None   Oberand   P.JM Interconnection   None   None   Oberand   P.JM Interconnection   None   Oberand   P.JM Interconnection   None   Oberand   P.JM Interconnection   None   Oberand   P.JM Interconnection   None   Oberand   Oberand   P.JM Interconnection   None   Oberand     |                |          |                                   |                      |
| Money   Jeffrey   Allegheny Power (MonPwr Gen)   Transmission Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |          |                                   |                      |
| Moscovitz   Daniel   P.JM Interconnection   None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |          | 1 11 11 1111                      |                      |
| Moscovitz   Daniel   P.JM Interconnection   None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |          |                                   |                      |
| Oakes         Brian         P.JM Interconnection         None           Olaleye         Michael         P.JM Interconnection         None           O'Leary         Christopher         PSEG Energy Resources and Trade LLC         Other Supplier           Olinger         Robert         Keystone-Conemaugh Projects, LLC (Keystone)         Other Supplier           Ondayko         Brock         AEP Energy Partners, Inc. (AEP Gen Resources)         Transmission Owner           Osborn         Eric         EDF Trading North America, LLC         Other Supplier           Patel         Harshil         P.JM Interconnection         None           Patel         Keyur         P.JM Interconnection         None           Pilings         Amanda         Wabash Valley Power Association, Inc.         Electric Distributor           Pilong         Christopher         P.JM Interconnection         None           Pilong         Melissa         P.JM Interconnection         None           Poulos         Greg         Organization of P.JM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rohrbach         John                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |          |                                   |                      |
| Oilaleye                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |          |                                   |                      |
| O'Leary         Christopher         PSEG Energy Resources and Trade LLC         Other Supplier           Olinger         Robert         Keystone-Conemaugh Projects, LLC (Keystone)         Other Supplier           Ondayko         Brock         AEP Energy Partners, Inc. (AEP Gen Resources)         Transmission Owner           Osborn         Eric         EDF Trading North America, LLC         Other Supplier           Patel         Harshil         PJM Interconnection         None           Patel         Keyur         PJM Interconnection         None           Patel         Keyur         PJM Interconnection         None           Pillips         Amanda         Wabash Valley Power Association, Inc.         Electric Distributor           Pilong         Christopher         PJM Interconnection         None           Pilong         Christopher         PJM Interconnection         None           Poulos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rothoach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rutled                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |          |                                   |                      |
| Olinger   Robert   Keystone-Conemaugh Projects, LLC (Keystone)   Other Supplier   Ondayko   Brock   AEP Energy Partners, Inc. (AEP Gen Resources)   Transmission Owner   Osborn   Eric   EDF Trading North America, LLC   Other Supplier   Patel   Harshil   PJM Interconnection   None   Patel   Keyur   PJM Interconnection   None   Phillips   Amanda   Wabash Valley Power Association, Inc.   Electric Distributor   Pierpont   Dan   Riverside Generating Company, L.L.C.   Generation Owner   Pilong   Christopher   PJM Interconnection   None   Pilong   Melissa   PJM Interconnection   None   Poulos   Greg   Organization of PJM States, Inc.   None   Rasmussen   Jay   Duke Energy Business Services LLC   Transmission Owner   Rode   Advait   Milchigan Public Service Commission   None   Rohrbach   John   Wabash Valley Power Association, Inc.   Electric Distributor   Rutledge   Craig   Appalachian Power Company (AEP Generation)   Transmission Owner   Salman   Tony   Duke Energy Kentucky, Inc.   Transmission Owner   Sasser   Jonathan   Customized Energy Solutions, Ltd.   None   Schroeder   Connie   Dominion Virginia Power   Transmission Owner   Scott   Ryan   Bath Courty Energy, LLC   Generation Owner   Selick   Sam   Customized Energy Solutions, Ltd.   None   Simpson   Scott   Constellation Energy Generation, LLC   Generation Owner   Singer   Chad   RavenVolt   None   Singer   Chad   RavenVolt   RavenVolt   None   Stadelmeyer   Rebecca   Jersey Green Energy LLC   Transmission Owner   Stadelmeyer   Rebecca   Jersey Green Energy LLC   Transmission Owner   Stancombe   Corey   Duke Energy Business Services LLC   Transmission Owner   Stancombe   Corey   Duke Energy Business Services LLC   Transmission Owner   Stancombe   Corey   Duke Energy Business Services LLC   Transmission Owner   Stancombe   Corey   Duke Energy Business Services LLC   Transmission Owne   |                |          |                                   |                      |
| Ondayko         Brock         AEP Energy Partners, Inc. (AEP Gen Resources)         Transmission Owner           Osbom         Eric         EDF Trading North America, LLC         Other Supplier           Patel         Harshil         PJM Interconnection         None           Patel         Keyur         PJM Interconnection         None           Patel         Keyur         PJM Interconnection         None           Philips         Amanda         Wabash Valley Power Association, Inc.         Electric Distributor           Pierpont         Dan         Riverside Generating Company, L.L.C.         Generation Owner           Pilong         Christopher         PJM Interconnection         None           Pollos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rode         Advait         Michigan Public Service Commission         None           Rufledge         Craig         Appalachian Power Commany (AEP Generation)         Transmission Owner           Rufledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                |          |                                   |                      |
| Osborn         Eric         EDF Trading North America, LLC         Other Supplier           Patel         Harshil         PJM Interconnection         None           Patel         Keyur         PJM Interconnection         None           Phillips         Amanda         Wabash Valley Power Association, Inc.         Electric Distributor           Pierpont         Dan         Riverside Generating Company, L.L.C.         Generation Owner           Pilong         Christopher         PJM Interconnection         None           Pollog         Melissa         PJM Interconnection         None           Poulos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rohrbach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rultedge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Kentucky, Inc.         Transmission Owner           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder <td></td> <td></td> <td></td> <td></td>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |          |                                   |                      |
| PateI         Harshil         PJM Interconnection         None           PateI         Keyur         PJM Interconnection         None           Phillips         Amanda         Wabash Valley Power Association, Inc.         Electric Distributor           Pierpont         Dan         Riverside Generating Company, L.L.C.         Generation Owner           Pilong         Christopher         PJM Interconnection         None           Poulos         Greg         Organization of PJM States, Inc.         None           Poulos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rohrbach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rutledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Selutions, Ltd.         None           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder         Connie         Dominion Virgina Power         Transmission Owner           Selick                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |          |                                   |                      |
| Patel         Keyur         PJM Interconnection         None           Phillips         Amanda         Wabash Valley Power Association, Inc.         Electric Distributor           Pierpont         Dan         Riverside Generating Company, L.L.C.         Generation Owner           Pilong         Christopher         PJM Interconnection         None           Pilong         Melissa         PJM Interconnection         None           Poulos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rothrach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rutledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Kentucky, Inc.         Transmission Owner           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder         Connie         Dominion Virginia Power         Transmission Owner           Selick         Sam         Customized Energy Solutions, Ltd.         None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |          |                                   |                      |
| Phillips                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |          |                                   |                      |
| Pierpont         Dan         Riverside Generating Company, L.L.C.         Generation Owner           Pilong         Christopher         PJM Interconnection         None           Pilong         Melissa         PJM Interconnection         None           Poulos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rohrbach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rutledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Kentucky, Inc.         Transmission Owner           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder         Connie         Dominion Virginia Power         Transmission Owner           Scott         Ryan         Bath County Energy, LLC         Generation Owner           Selick         Sam         Customized Energy Solutions, Ltd.         None           Simpson         Scott         Constellation Energy Generation, LLC         Generation Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |          |                                   |                      |
| Pilong         Christopher         PJM Interconnection         None           Pilong         Melissa         PJM Interconnection         None           Poulos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rohrbach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rutledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Kentucky, Inc.         Transmission Owner           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder         Connie         Dominion Virginia Power         Transmission Owner           Schroeder         Connie         Dominion Virginia Power         Transmission Owner           Scott         Ryan         Bath County Energy, LLC         Generation Owner           Selick         Sam         Customized Energy Solutions, Ltd.         None           Simpson         Scott         Constellation Energy Solutions, LLC         Generation Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |          |                                   |                      |
| Pilong Melissa PJM Interconnection None Poulos Greg Organization of PJM States, Inc. None Rasmussen Jay Duke Energy Business Services LLC Transmission Owner Rode Advait Michigan Public Service Commission None Rohrbach John Wabash Valley Power Association, Inc. Electric Distributor Rutledge Craig Appalachian Power Company (AEP Generation) Transmission Owner Salman Tony Duke Energy Kentucky, Inc. Transmission Owner Sasser Jonathan Customized Energy Solutions, Ltd. None Schroeder Connie Dominion Virginia Power Transmission Owner Scott Ryan Bath County Energy, LLC Generation Owner Selick Sam Customized Energy Solutions, Ltd. None Simpson Scott Constellation Energy Generation, LLC Generation Owner Sims Ryan Interstate Gas Supply, LLC Other Supplier Singer Chad RavenVolt None Sloan Ben Organization of PJM States, Inc. None Smith Kara Buckeye Power, Inc. Electric Distributor Stadelmeyer Rebecca Jersey Green Energy LLC Other Supplier Stancombe Corey Duke Energy Business Services LLC Transmission Owner Swalwell Brad Tangent Energy Solutions, Inc. Other Supplier Swalwell Brad Tangent Energy Solutions, Inc. Other Supplier Sweeney Rory Northern Virginia Electric Cooperative (NOVEC) Electric Distributor Tutino Joseph PJM Interconnection None Illinois Commerce Commission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |          |                                   |                      |
| Poulos         Greg         Organization of PJM States, Inc.         None           Rasmussen         Jay         Duke Energy Business Services LLC         Transmission Owner           Rode         Advait         Michigan Public Service Commission         None           Rohrbach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rutledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Kentucky, Inc.         Transmission Owner           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder         Connie         Dominion Virginia Power         Transmission Owner           Scott         Ryan         Bath County Energy, LLC         Generation Owner           Selick         Sam         Customized Energy Sulutions, Ltd.         None           Simpson         Scott         Constellation Energy Generation, LLC         Generation Owner           Simpson         Scott         Constellation Energy Generation, LLC         Generation Owner           Singer         Chad         RavenVolt         None           Sloan         Ben         Organization of PJM States, Inc.         None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |          |                                   |                      |
| Rasmussen Jay Duke Energy Business Services LLC Transmission Owner Rode Advait Michigan Public Service Commission None Rohrbach John Wabash Valley Power Association, Inc. Electric Distributor Rutledge Craig Appalachian Power Company (AEP Generation) Transmission Owner Salman Tony Duke Energy Kentucky, Inc. Transmission Owner Sasser Jonathan Customized Energy Solutions, Ltd. None Schroeder Connie Dominion Virginia Power Transmission Owner Scott Ryan Bath County Energy, LLC Generation Owner Selick Sam Customized Energy Solutions, Ltd. None Simpson Scott Constellation Energy Generation, LLC Generation Owner Sims Ryan Interstate Gas Supply, LLC Generation Owner Singer Chad RavenVolt None Sloan Ben Organization of PJM States, Inc. None Smith Kara Buckeye Power, Inc. Electric Distributor Stadelmeyer Rebecca Jersey Green Energy LLC Other Supplier Stancombe Corey Duke Energy Business Services LLC Transmission Owner Sturgeon John Duke Energy Business Services LLC Transmission Owner Swalwell Brad Tangent Energy Solutions, Inc. Other Supplier Sweeney Rory Northern Virginia Electric Cooperative (NOVEC) Electric Distributor Tutino Joseph PJM Interconnection None VanderLaan William Illinois Commerce Commission None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |          |                                   |                      |
| Rode         Advait         Michigan Public Service Commission         None           Rohrbach         John         Wabash Valley Power Association, Inc.         Electric Distributor           Rutledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Kentucky, Inc.         Transmission Owner           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder         Connie         Dominion Virginia Power         Transmission Owner           Scott         Ryan         Bath County Energy, LLC         Generation Owner           Selick         Sam         Customized Energy Solutions, Ltd.         None           Simpson         Scott         Constellation Energy Generation, LLC         Generation Owner           Sims         Ryan         Interstate Gas Supply, LLC         Other Supplier           Singer         Chad         RavenVolt         None           Sloan         Ben         Organization of PJM States, Inc.         None           Smith         Kara         Buckeye Power, Inc.         Electric Distributor           Stadelmeyer         Rebecca         Jersey Green Energy LLC         Other Supplier           Starcombe                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |          |                                   |                      |
| Rohrbach John Wabash Valley Power Association, Inc. Electric Distributor Rutledge Craig Appalachian Power Company (AEP Generation) Transmission Owner Salman Tony Duke Energy Kentucky, Inc. Transmission Owner Sasser Jonathan Customized Energy Solutions, Ltd. None Schroeder Connie Dominion Virginia Power Transmission Owner Scott Ryan Bath County Energy, LLC Generation Owner Selick Sam Customized Energy Solutions, Ltd. None Simpson Scott Constellation Energy Generation, LLC Generation Owner Sims Ryan Interstate Gas Supply, LLC Other Supplier Singer Chad RavenVolt None Sloan Ben Organization of PJM States, Inc. None Smith Kara Buckeye Power, Inc. Electric Distributor Stadelmeyer Rebecca Jersey Green Energy LLC Other Supplier Stancombe Corey Duke Energy Business Services LLC Transmission Owner Storino Laura NJ Board of Public Utilities None Sturgeon John Duke Energy Business Services LLC Transmission Owner Swalvell Brad Tangent Energy Solutions, Inc. Other Supplier Tutino Joseph PJM Interconnection None Tyler Catherine Monitoring Analytics None Illinois Commerce Commission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |          |                                   |                      |
| Rutledge         Craig         Appalachian Power Company (AEP Generation)         Transmission Owner           Salman         Tony         Duke Energy Kentucky, Inc.         Transmission Owner           Sasser         Jonathan         Customized Energy Solutions, Ltd.         None           Schroeder         Connie         Dominion Virginia Power         Transmission Owner           Scott         Ryan         Bath County Energy, LLC         Generation Owner           Selick         Sam         Customized Energy Solutions, Ltd.         None           Simpson         Scott         Constellation Energy Solutions, Ltd.         None           Simpson         Scott         Constellation Energy Generation, LLC         Generation Owner           Sims         Ryan         Interstate Gas Supply, LLC         Other Supplier           Singer         Chad         RavenVolt         None           Sloan         Ben         Organization of PJM States, Inc.         None           Shone         Buckeye Power, Inc.         Electric Distributor           Stadelmeyer         Rebecca         Jersey Green Energy LLC         Other Supplier           Stancombe         Corey         Duke Energy Business Services LLC         Transmission Owner           Sturgeon         John                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |          |                                   | 1.101.10             |
| SalmanTonyDuke Energy Kentucky, Inc.Transmission OwnerSasserJonathanCustomized Energy Solutions, Ltd.NoneSchroederConnieDominion Virginia PowerTransmission OwnerScottRyanBath County Energy, LLCGeneration OwnerSelickSamCustomized Energy Solutions, Ltd.NoneSimpsonScottConstellation Energy Generation, LLCGeneration OwnerSimsRyanInterstate Gas Supply, LLCOther SupplierSingerChadRavenVoltNoneSloanBenOrganization of PJM States, Inc.NoneSmithKaraBuckeye Power, Inc.Electric DistributorStadelmeyerRebeccaJersey Green Energy LLCOther SupplierStancombeCoreyDuke Energy Business Services LLCTransmission OwnerStorinoLauraNJ Board of Public UtilitiesNoneSturgeonJohnDuke Energy Business Services LLCTransmission OwnerSwalwellBradTangent Energy Solutions, Inc.Other SupplierSweeneyRoryNorthern Virginia Electric Cooperative (NOVEC)Electric DistributorTutinoJosephPJM InterconnectionNoneVanderLaanWilliamIllinois Commerce CommissionNone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |          |                                   |                      |
| SasserJonathanCustomized Energy Solutions, Ltd.NoneSchroederConnieDominion Virginia PowerTransmission OwnerScottRyanBath County Energy, LLCGeneration OwnerSelickSamCustomized Energy Solutions, Ltd.NoneSimpsonScottConstellation Energy Generation, LLCGeneration OwnerSimsRyanInterstate Gas Supply, LLCOther SupplierSingerChadRavenVoltNoneSloanBenOrganization of PJM States, Inc.NoneSmithKaraBuckeye Power, Inc.Electric DistributorStadelmeyerRebeccaJersey Green Energy LLCOther SupplierStancombeCoreyDuke Energy Business Services LLCTransmission OwnerStorinoLauraNJ Board of Public UtilitiesNoneSturgeonJohnDuke Energy Business Services LLCTransmission OwnerSwalwellBradTangent Energy Solutions, Inc.Other SupplierSweeneyRoryNorthern Virginia Electric Cooperative (NOVEC)Electric DistributorTutinoJosephPJM InterconnectionNoneTylerCatherineMonitoring AnalyticsNoneVanderLaanWilliamIllinois Commerce CommissionNone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                |          |                                   |                      |
| SchroederConnieDominion Virginia PowerTransmission OwnerScottRyanBath County Energy, LLCGeneration OwnerSelickSamCustomized Energy Solutions, Ltd.NoneSimpsonScottConstellation Energy Generation, LLCGeneration OwnerSimsRyanInterstate Gas Supply, LLCOther SupplierSingerChadRavenVoltNoneSloanBenOrganization of PJM States, Inc.NoneSmithKaraBuckeye Power, Inc.Electric DistributorStadelmeyerRebeccaJersey Green Energy LLCOther SupplierStancombeCoreyDuke Energy Business Services LLCTransmission OwnerStorinoLauraNJ Board of Public UtilitiesNoneSturgeonJohnDuke Energy Business Services LLCTransmission OwnerSwalwellBradTangent Energy Solutions, Inc.Other SupplierSweeneyRoryNorthern Virginia Electric Cooperative (NOVEC)Electric DistributorTutinoJosephPJM InterconnectionNoneTylerCatherineMonitoring AnalyticsNoneVanderLaanWilliamIllinois Commerce CommissionNone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |          |                                   |                      |
| ScottRyanBath County Energy, LLCGeneration OwnerSelickSamCustomized Energy Solutions, Ltd.NoneSimpsonScottConstellation Energy Generation, LLCGeneration OwnerSimsRyanInterstate Gas Supply, LLCOther SupplierSingerChadRavenVoltNoneSloanBenOrganization of PJM States, Inc.NoneSmithKaraBuckeye Power, Inc.Electric DistributorStadelmeyerRebeccaJersey Green Energy LLCOther SupplierStancombeCoreyDuke Energy Business Services LLCTransmission OwnerStorinoLauraNJ Board of Public UtilitiesNoneSturgeonJohnDuke Energy Business Services LLCTransmission OwnerSwalwellBradTangent Energy Solutions, Inc.Other SupplierSweeneyRoryNorthern Virginia Electric Cooperative (NOVEC)Electric DistributorTutinoJosephPJM InterconnectionNoneTylerCatherineMonitoring AnalyticsNoneVanderLaanWilliamIllinois Commerce CommissionNone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |          |                                   |                      |
| SelickSamCustomized Energy Solutions, Ltd.NoneSimpsonScottConstellation Energy Generation, LLCGeneration OwnerSimsRyanInterstate Gas Supply, LLCOther SupplierSingerChadRavenVoltNoneSloanBenOrganization of PJM States, Inc.NoneSmithKaraBuckeye Power, Inc.Electric DistributorStadelmeyerRebeccaJersey Green Energy LLCOther SupplierStancombeCoreyDuke Energy Business Services LLCTransmission OwnerStorinoLauraNJ Board of Public UtilitiesNoneSturgeonJohnDuke Energy Business Services LLCTransmission OwnerSwalwellBradTangent Energy Solutions, Inc.Other SupplierSweeneyRoryNorthern Virginia Electric Cooperative (NOVEC)Electric DistributorTutinoJosephPJM InterconnectionNoneTylerCatherineMonitoring AnalyticsNoneVanderLaanWilliamIllinois Commerce CommissionNone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |          |                                   |                      |
| Simpson       Scott       Constellation Energy Generation, LLC       Generation Owner         Sims       Ryan       Interstate Gas Supply, LLC       Other Supplier         Singer       Chad       RavenVolt       None         Sloan       Ben       Organization of PJM States, Inc.       None         Smith       Kara       Buckeye Power, Inc.       Electric Distributor         Stadelmeyer       Rebecca       Jersey Green Energy LLC       Other Supplier         Stancombe       Corey       Duke Energy Business Services LLC       Transmission Owner         Storino       Laura       NJ Board of Public Utilities       None         Sturgeon       John       Duke Energy Business Services LLC       Transmission Owner         Swalwell       Brad       Tangent Energy Solutions, Inc.       Other Supplier         Sweeney       Rory       Northern Virginia Electric Cooperative (NOVEC)       Electric Distributor         Tutino       Joseph       PJM Interconnection       None         VanderLaan       William       Illinois Commerce Commission       None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |          |                                   |                      |
| Sims     Ryan     Interstate Gas Supply, LLC     Other Supplier       Singer     Chad     RavenVolt     None       Sloan     Ben     Organization of PJM States, Inc.     None       Smith     Kara     Buckeye Power, Inc.     Electric Distributor       Stadelmeyer     Rebecca     Jersey Green Energy LLC     Other Supplier       Stancombe     Corey     Duke Energy Business Services LLC     Transmission Owner       Storino     Laura     NJ Board of Public Utilities     None       Sturgeon     John     Duke Energy Business Services LLC     Transmission Owner       Swalwell     Brad     Tangent Energy Solutions, Inc.     Other Supplier       Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                |          |                                   |                      |
| Singer       Chad       RavenVolt       None         Sloan       Ben       Organization of PJM States, Inc.       None         Smith       Kara       Buckeye Power, Inc.       Electric Distributor         Stadelmeyer       Rebecca       Jersey Green Energy LLC       Other Supplier         Stancombe       Corey       Duke Energy Business Services LLC       Transmission Owner         Storino       Laura       NJ Board of Public Utilities       None         Sturgeon       John       Duke Energy Business Services LLC       Transmission Owner         Swalwell       Brad       Tangent Energy Solutions, Inc.       Other Supplier         Sweeney       Rory       Northern Virginia Electric Cooperative (NOVEC)       Electric Distributor         Tutino       Joseph       PJM Interconnection       None         Tyler       Catherine       Monitoring Analytics       None         VanderLaan       William       Illinois Commerce Commission       None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                |          |                                   |                      |
| Sloan       Ben       Organization of PJM States, Inc.       None         Smith       Kara       Buckeye Power, Inc.       Electric Distributor         Stadelmeyer       Rebecca       Jersey Green Energy LLC       Other Supplier         Stancombe       Corey       Duke Energy Business Services LLC       Transmission Owner         Storino       Laura       NJ Board of Public Utilities       None         Sturgeon       John       Duke Energy Business Services LLC       Transmission Owner         Swalwell       Brad       Tangent Energy Solutions, Inc.       Other Supplier         Sweeney       Rory       Northern Virginia Electric Cooperative (NOVEC)       Electric Distributor         Tutino       Joseph       PJM Interconnection       None         Tyler       Catherine       Monitoring Analytics       None         VanderLaan       William       Illinois Commerce Commission       None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                | Ryan     |                                   | Other Supplier       |
| Smith       Kara       Buckeye Power, Inc.       Electric Distributor         Stadelmeyer       Rebecca       Jersey Green Energy LLC       Other Supplier         Stancombe       Corey       Duke Energy Business Services LLC       Transmission Owner         Storino       Laura       NJ Board of Public Utilities       None         Sturgeon       John       Duke Energy Business Services LLC       Transmission Owner         Swalwell       Brad       Tangent Energy Solutions, Inc.       Other Supplier         Sweeney       Rory       Northern Virginia Electric Cooperative (NOVEC)       Electric Distributor         Tutino       Joseph       PJM Interconnection       None         Tyler       Catherine       Monitoring Analytics       None         VanderLaan       William       Illinois Commerce Commission       None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Singer         | Chad     |                                   | None                 |
| StadeImeyer     Rebecca     Jersey Green Energy LLC     Other Supplier       Stancombe     Corey     Duke Energy Business Services LLC     Transmission Owner       Storino     Laura     NJ Board of Public Utilities     None       Sturgeon     John     Duke Energy Business Services LLC     Transmission Owner       Swalwell     Brad     Tangent Energy Solutions, Inc.     Other Supplier       Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sloan          | Ben      |                                   | None                 |
| Stancombe     Corey     Duke Energy Business Services LLC     Transmission Owner       Storino     Laura     NJ Board of Public Utilities     None       Sturgeon     John     Duke Energy Business Services LLC     Transmission Owner       Swalwell     Brad     Tangent Energy Solutions, Inc.     Other Supplier       Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                | Kara     |                                   | Electric Distributor |
| Stancombe     Corey     Duke Energy Business Services LLC     Transmission Owner       Storino     Laura     NJ Board of Public Utilities     None       Sturgeon     John     Duke Energy Business Services LLC     Transmission Owner       Swalwell     Brad     Tangent Energy Solutions, Inc.     Other Supplier       Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Stadelmeyer    | Rebecca  |                                   |                      |
| Storino     Laura     NJ Board of Public Utilities     None       Sturgeon     John     Duke Energy Business Services LLC     Transmission Owner       Swalwell     Brad     Tangent Energy Solutions, Inc.     Other Supplier       Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                | Corey    | Duke Energy Business Services LLC | Transmission Owner   |
| Sturgeon     John     Duke Energy Business Services LLC     Transmission Owner       Swalwell     Brad     Tangent Energy Solutions, Inc.     Other Supplier       Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Storino        | Laura    |                                   | None                 |
| Swalwell     Brad     Tangent Energy Solutions, Inc.     Other Supplier       Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Sturgeon       | John     |                                   | Transmission Owner   |
| Sweeney     Rory     Northern Virginia Electric Cooperative (NOVEC)     Electric Distributor       Tutino     Joseph     PJM Interconnection     None       Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                | Brad     |                                   | Other Supplier       |
| Tutino         Joseph         PJM Interconnection         None           Tyler         Catherine         Monitoring Analytics         None           VanderLaan         William         Illinois Commerce Commission         None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sweeney        | Rory     |                                   | Electric Distributor |
| Tyler     Catherine     Monitoring Analytics     None       VanderLaan     William     Illinois Commerce Commission     None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |          |                                   |                      |
| VanderLaan         William         Illinois Commerce Commission         None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                |          |                                   |                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                |          |                                   |                      |
| VINNIK   Daniel   PJM Interconnection   None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Vinnik         | Daniel   | PJM Interconnection               | None                 |
| Wharton Matthew PJM Interconnection None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |          |                                   |                      |
| Whitehead Jeffrey GT Power Group None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                |          | 1 11 11 1111                      |                      |
| Wingfield Derek East Kentucky Power Cooperative, Inc. Transmission Owner                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |          |                                   |                      |
| Wynder Michael Altrock LLC Other Supplier                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |          |                                   |                      |
| Zhang Mike PJM Interconnection None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |          |                                   |                      |
| Zhao Tong PJM Interconnection None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |          |                                   |                      |

### Antitrust:





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.

#### **Code of Conduct:**

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials. Expectations for participating in PJM activities are further detailed in the PJM Code of Conduct.

### Public Meetings/Media Participation:

Unless otherwise noted, PJM stakeholder meetings are open to the public and to members of the media. Members of the media are asked to announce their attendance at all PJM stakeholder meetings at the beginning of the meeting or at the point they join a meeting already in progress. Members of the Media are reminded that speakers at PJM meetings cannot be quoted without explicit permission from the speaker. PJM Members are reminded that "detailed transcriptional meeting notes" and white board notes from "brainstorming sessions" shall not be disseminated. Stakeholders are also not allowed to create audio, video or online recordings of PJM meetings. PJM may create audio, video or online recordings of stakeholder meetings for internal and training purposes, and your participation at such meetings indicates your consent to the same.

#### Participant Identification in Webex:

When logging into the Webex desktop client, please enter your real first and last name as well as a valid email address. Be sure to select the "call me" option. PJM support staff continuously monitors Webex connections during stakeholder meetings. Anonymous users or those using false usernames or emails will be dropped from the teleconference.

#### Participant Use of Webex Chat:

The use of the Webex chat feature during meetings shall be primarily reserved for administrative and logistical purposes, such as managing a question or comment queue, noting technical difficulties, and meeting support or management purposes. Utilizing Webex chat for any other commentary should be limited to short phrases. Detailed commentary or substantive dialog shall be shared orally by entering the speaker queue.

### On the Phone, Dial



to Mute/Unmute

### Linking Teleconference Connection to Webex

When logging in to the meeting, access Webex first and select the "call me" feature to receive a direct call to your phone. Using this feature will connect your name to your Webex presence.

### Join a Meeting

- 1. Join meeting in the Webex desktop client
- 2. Enter name (First and Last\*) and corporate email
- 3. Under "Select Audio Option" select "Call Me" option from the dropdown menu

\*Note: Anonymous users or those using false usernames or emails will be dropped from the teleconference.

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