

January Planning Committee
In-person/ Teleconference / WebEx
January 10, 2022
9:00 a.m. – 12:00 p.m. EPT

Administration (9:00 – 9:15)

1. Rebecca Carroll, PJM, called the meeting to order. Marilyn Jayachandran, PJM, reviewed the Antitrust, Code of Conduct, media participation, WebEx and In-person meeting participation guidelines.
2. Rebecca Carroll reviewed and stakeholders approved the January 10, 2022 Planning Committee (PC) Agenda.
3. Marilyn Jayachandran reviewed and stakeholders approved the draft December 6, 2022 Planning Committee meeting minutes.
4. Marilyn Jayachandran reviewed the 2023 PC work plan.

Endorsements (9:15 -9:50)

5. Capacity Interconnection Rights for ELCC Resources
Brian Chmielewski, PJM, reviewed the solution packages from the work done in the PC special session on Capacity Interconnection Rights (CIR) for ELCC Resources.
The committee endorsed the Package I with 196 (82%) in favor, 42 (18%) opposed, and 0 abstentions. A second vote showed stakeholders preferred Package I over status quo with 170 (71%) in favor, 68 (29%) opposed, and 0 abstentions.

The committee did not endorse the following packages:

Package D with 83 (35%) in favor, 155 (65%) opposed, and 0 abstentions. A second vote showed stakeholders did not prefer Package D over status quo with 72 (31%) in favor, 162 (69%) opposed, and 4 abstentions.

Package E with 57 (24%) in favor, 180 (76%) opposed, and 0 abstentions. A second vote showed stakeholders did not prefer Package E over status quo with 58 (24%) in favor, 180 (76%) opposed, and 0 abstentions.

Package G with 17 (7%) in favor, 221 (93%) opposed, and 0 abstentions. A second vote showed stakeholders did not prefer Package G over status quo with 21 (9%) in favor, 217 (91%) opposed, and 0 abstentions.

Package K with 65 (29%) in favor, 157 (71%) opposed, and 16 abstentions. A second vote showed stakeholders did not prefer Package K over the status quo with 66 (30%) in favor, 157 (70%) opposed, and 15 abstentions.

Package I will move to the Market and Reliability Committee (MRC) as the Main Motion.

[Issue Tracking: CIRs for ELCC Resources](#)

Materials for the special sessions can be found [here](#).

6. Generator Deliverability Proposal

Jonathan Kern, PJM, reviewed the generator deliverability test contained within Manuals 14A and 14B. **The committee endorsed the proposal by acclamation with 0 objections and 1 abstention.**

First Reads (9:50 – 9:55)

7. TO/TOP Matrix V17

Gizella Mali, PJM, presented the proposed changes to the TO/TOP Matrix. The Committee will be requested to provide a recommendation to the TOA-AC to approve the TO/TOP Matrix V17 at the next PC meeting.

Informational Updates (9:55 – 10:10)

8. Resilience Testing Update

Grace Niu, PJM, provided an update on annual resilience testing.

9. Reliability Compliance Update


Becky Davis, PJM, provided an update on the activities, issues and items of interest at NERC, SERC, and RF.

Informational Posting

Model Build Activity Update

- MMWG
 - Load Flow
 - PJM posted final 2023 summer study from PowerTech for Transmission Owners on December 8, 2022
 - Dynamics
 - PJM received MMWG Trial 1 dynamics cases and is working on resolving the identified PJM related issues by January 10, 2023
- RTEP
 - Load Flow
 - PJM delivered Trial 2 cases and associated files to Transmission Owners on December 9, 2022
 - Transmission Owners to provide Trial 2 updates and contingency files by January 13, 2023
 - Short Circuit
 - PJM will post the Trial 1 2025 case and associated files by January 13, 2023
 - Dynamics
 - PJM delivered RTEP 3 year summer dynamics case on December 16, 2022

- PJM is working on building RTEP 3 year light load dynamics case by January 31, 2023

| Future Meeting Dates and Materials | | | Materials Due to Secretary  | Materials Published |
|------------------------------------|------------------------|--------------------|--|----------------------------|
| Date | Time | Meeting | | |
| Tuesday, February 7, 2023 | 9:00 a.m. – 12:00 p.m. | Planning Committee | Thursday, January 26, 2023 | Tuesday, January 31, 2023 |
| Tuesday, March 7, 2023 | 9:00 a.m. – 12:00 p.m. | Planning Committee | Thursday, February 23, 2022 | Tuesday, February 28, 2023 |

Author: Marilyn Jayachandran

Attendance List

| | | | |
|--------------|---------------------|--|--------------------|
| Carroll | Rebecca (Chair) | PJM Interconnection, LLC | None |
| Jayachandran | Marilyn (Secretary) | PJM Interconnection, LLC | None |
| Abate | Stephen (Steve) | Duquesne Light Company | Transmission Owner |
| Abdelsamad | Ahmed | Daymark Energy Advisors | None |
| Abdulsalam | Sami | PJM Interconnection, LLC | None |
| Abdur-Rahman | Muhsin | ABB Enterprise Software Inc. | None |
| Adams | Darrin | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Ali | Shadab | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Allen | William (Bill) | Commonwealth Edison Company | Transmission Owner |
| Amoling | Leo | PJM Interconnection, LLC | None |
| Anderson | Bob | Tenaska Power Services Co. | Generation Owner |
| Anderson | Juliet | Constellation Energy Generation, LLC | Generation Owner |
| Aslam | Nabeel | PSEG Energy Resources & Trade LLC | Transmission Owner |
| Aurely | Marc | FirstEnergy Corporation | Transmission Owner |
| Bailey | Ronnie | Virginia Electric & Power Company | Transmission Owner |
| Bainbridge | Tom | American Transmission Systems, Inc. | Transmission Owner |
| Baker | Matt | Cypress Creek Renewables, LLC | Generation Owner |
| Barker | Jason | Constellation Energy Generation, LLC | Generation Owner |
| Benson | Dan | Duke Energy Business Services LLC | Transmission Owner |
| Berner | Aaron | PJM Interconnection, LLC | None |
| Bernstein | Matthew | PJM Interconnection, LLC | None |
| Bhana | Rajesh | Exelon Business Services Company, LLC | Transmission Owner |
| Borden | Eric | PEPCO Holdings, Inc. | None |
| Bradley | Nathan | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Brahman | Azade | Orsted US Trading LLC | Other Supplier |
| Bruno | Joshua | PJM Interconnection, LLC | None |
| Boyle | Stephenson | Merion Energy Solutions | None |
| Brodbeck | John | EDP Renewables North America | Generation Owner |
| Callen | Zachary (Zac) | Illinois Commerce Commission | None |
| Canter | David | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Carmean | Gregory (Greg) | Organization of PJM States, Inc. (OPSI) | None |
| Caven | Augustine | PJM Interconnection, LLC | None |
| Cham | Edrissa | Tradewind Energy, Inc. | None |

| | | | |
|-------------|----------------|--|----------------------|
| Chau | Kevin | Duquesne Light Company | Transmission Owner |
| Chmielewski | Brian | PJM Interconnection, LLC | None |
| Christopher | Mahila | Public Utilities Commission of Ohio (The) | None |
| Circelli | Roseanne | Public Service Electric & Gas Company | Transmission Owner |
| Coba | Luis | PSEG Energy Resources & Trade LLC | Transmission Owner |
| Cobb | Patrick | PJM Interconnection, LLC | None |
| Cocco | Michael | Old Dominion Electric Cooperative | Electric Distributor |
| Concina | Wendell | Commonwealth Edison Company | Transmission Owner |
| Connell | Jason | PJM Interconnection, LLC | None |
| Copeland | Kyle | PJM Interconnection, LLC | None |
| Corash | Richard (Rich) | PSEG Energy Resources & Trade LLC | Other Supplier |
| Cox | Jason | Dynegy Power Marketing, Inc. | Generation Owner |
| Dadourian | John | Monitoring Analytics, LLC | None |
| D'Antonio | Phil | PJM Interconnection, LLC | None |
| Davis | David | Strata Solar | None |
| Davis | James (Jim) | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| Davis | Elizabeth | PJM Interconnection, LLC | None |
| DeGiusto Jr | Vince | UGI Utilities, Inc. | Transmission Owner |
| DeVita | Thomas | PJM Interconnection, LLC | None |
| Doering | Anthony | Savion, LLC | None |
| Domian | Christin | Duquesne Light Company | Transmission Owner |
| Downs | Jere | PJM Interconnection, LLC | None |
| Drom | Richard (Rick) | Eckert Seamans | None |
| Dugan | Chuck | East Kentucky Power Cooperative, Inc. | Transmission Owner |
| Dumitriu | Nicolae | PJM Interconnection, LLC | None |
| Dwarakesh | Nallan | Equinor Wind US | None |
| Edelen | Zachary (Zach) | Aurora Energy Research LLC | None |
| Egan | Amanda | PJM Interconnection, LLC | None |
| Egan | David | PJM Interconnection, LLC | None |
| Elkins | Rachel | FirstEnergy Corporation | Transmission Owner |
| Esquivel | Manuel | Enel X North America, Inc. | Other Supplier |
| Esterly | Theresa | PJM Interconnection, LLC | None |
| Fabiano | Janell | PJM Interconnection, LLC | None |
| Falin | Tom | PJM Interconnection, LLC | None |
| Fall | Maguette | EDF Renewable Energy | None |
| Fee | George | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Filomena | Guy | Customized Energy Solutions, Ltd.* | None |
| Fink | Sari | American Clean Power Association | None |
| Fink | Regan | Pine Gate Mid-Atlantic, LLC | Other Supplier |
| Fitch | Neal | NRG Power Marketing LLC | Generation Owner |
| Foladare | Kenneth (Ken) | Geenex Solar LLC | Other Supplier |
| Foley | Pauline | PJM Interconnection, LLC | None |
| Foley | Sheila | PJM Interconnection, LLC | None |
| Ford | Adrien | Old Dominion Electric Cooperative | Electric Distributor |
| Franks | Edmund (Ed) | PJM Interconnection, LLC | None |
| Franks | Christine | PJM Interconnection, LLC | None |

| | | | |
|-------------|------------------|--|----------------------|
| Fuerst | Gary | American Transmission Systems, Inc. | Transmission Owner |
| Fuess | Christian | PBF Power Marketing, LLC | Generation Owner |
| Fuller | Peter | NRG Power Marketing, LLC | Generation Owner |
| Garnett | Bryan | Duke Energy Ohio, Inc. | Transmission Owner |
| Gates | Terry | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Gebolys | Debbie | Public Utilities Commission of Ohio (The) | None |
| Gilani | Rehan | ConEdison Energy, Inc. | Other Supplier |
| Gizella | Mali | PJM Interconnection, LLC | None |
| Glazer | Craig | PJM Interconnection, LLC | None |
| Goldberg | Jeffrey | PJM Interconnection, LLC | None |
| Gordon | Jon | Shiple Choice, LLC | Other Supplier |
| Green | Chris | Tri Global Energy, LLC | None |
| Greening | Michele | PJM Interconnection, LLC | None |
| Guignet | Douglas (Doug) | PJM Interconnection, LLC | None |
| Gunn | Garan | Public Service Electric & Gas Company | Transmission Owner |
| Guntle | Vince | American PowerNet Management | End-Use Customer |
| Hallett | Brian | FirstEnergy Corporation | Transmission Owner |
| Haque | Asim | PJM Interconnection, LLC | None |
| Hastings | David | Market Interconnection Consulting Services (MICS) | None |
| Hazel | Steve | Geenex Solar LLC | Other Supplier |
| Heinle | Frederick (Erik) | Office of the Peoples Counsel for the District of Columbia | End-Use Customer |
| Herman | Michael | PJM Interconnection, LLC | None |
| Herrera | Maria | PJM Interconnection, LLC | None |
| Hitt | Jason | Duquesne Light Company | Transmission Owner |
| Hoatson | Thomas (Tom) | Riverside Generating, LLC | Generation Owner |
| Hohenshilt | Jennifer | Talen Energy Marketing, LLC | Generation Owner |
| Holdbrook | Ruth | Northern Virginia Electric Cooperative | Electric Distributor |
| Horning | Lynn Marie | Customized Energy Solutions, Ltd.* | None |
| Horstmann | John | Dayton Power & Light Company (The) | Transmission Owner |
| Hoshmand | Mojtaba | PJM Interconnection, LLC | None |
| Hozempa | Lawrence | FirstEnergy Corporation | Transmission Owner |
| Hsia | Eric | PJM Interconnection, LLC | None |
| Hudis | Gabriella | Jersey Green Energy LLC | Other Supplier |
| Hutt | Daniel | Public Service Electric & Gas Company | Transmission Owner |
| Hyzinski | Tom | GT Power Group | None |
| Janapareddy | Anupama (Anu) | Green River Holdings, LLC | Generation Owner |
| Janicki | Diane | Boston Energy Trading & Marketing, LLC | Other Supplier |
| Johnson | Carl | Customized Energy Solutions, Ltd.* | None |
| Johnston | David | Indiana Utility Regulatory Commission | None |
| Jones | Scott | Indiana Office of Utility Consumer Counsel | End-Use Customer |
| Keenan | Matthew | Jpower USA | None |
| Kelly | Stephen | Brookfield Energy Marketing LP | Other Supplier |
| Kent | Janessa | Duquesne Light Company | Transmission Owner |
| Kern | Jonathan | PJM Interconnection, LLC | None |
| Kogut | George | PJM Interconnection, LLC | None |
| Kuchan | Meagan | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |

| | | | |
|-------------------------|----------------|--|----------------------|
| Kwoon Ha | Soo | Dominion Energy Generation Marketing, Inc. | Generation Owner |
| Laios | Takis | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| LaRocque | Matthew (Matt) | PJM Interconnection, LLC | None |
| Leeming | Thomas | Commonwealth Edison Company | Transmission Owner |
| Lehmann | Horst | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Lousos | Alexandros | AMP Transmission, LLC | Transmission Owner |
| Louwahi | Soufiane | Electric Power Engineers Consulting | None |
| Lyakhovich | Leonid | Public Service Electric & Gas Company | Transmission Owner |
| Lynch | Jessica | PJM Interconnection, LLC | None |
| Lynn | Brian | PJM Interconnection, LLC | None |
| Mabry | David | McNees Wallace & Nurick LLC | None |
| Malcolm | Jack | Exelon Business Services Company, LLC | Transmission Owner |
| Mali | Gizella | PJM Interconnection, LLC | None |
| Malik | Naureen | Bloomberg News Office of the Peoples Counsel for the District of Columbia | None |
| Mariam | Yohannes | East Kentucky Power Cooperative, Inc. | End-Use Customer |
| Martin | Skyler | FirstEnergy Corporation | Transmission Owner |
| Mason | Gary | Duke Energy Ohio, Inc. | Transmission Owner |
| Mason | Julie | PJM Interconnection, LLC | None |
| Mathew | Lagy | Worley | None |
| Mayers | Sharon | Public Utilities Commission of Ohio | None |
| McClelland | Maura | Commonwealth of PA | None |
| McDewell | Christian | PJM Interconnection, LLC | None |
| McGill | Susan | PJM Interconnection, LLC | None |
| McLaverty | Megan | Office of the Attorney General, Kentucky | End-Use Customer |
| McNeil | Justin | Virginia Electric & Power Company | Transmission Owner |
| Mertz | Christopher | Exelon Business Services Company, LLC | Transmission Owner |
| Midgley | Sharon | PJM Interconnection, LLC | None |
| Mooney | Molly | Rainbow Energy Marketing Corporation | Other Supplier |
| Moye | Bob | Charles River Associates | None |
| Moyo | Edwin | Urban Grid Solar Projects, LLC | Other Supplier |
| Murphy | Shaun | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Nadel | Steven | Potomac Electric Power Company | Electric Distributor |
| Nareshkumar | Koushy | Constellation Energy Generation, LLC | Generation Owner |
| Nekolny | Christopher | PJM Interconnection, LLC | None |
| Nestel | Stacey | PJM Interconnection, LLC | None |
| Ng | Perry | PJM Interconnection, LLC | None |
| Niu | Hui | PJM Interconnection, LLC | None |
| Nivolianitis | Ted | TransAlta Energy Marketing (U.S.) Inc. | Other Supplier |
| Nix | Emma | Gable and Associates | None |
| Noel Jeune | Reynaldo | Acciona Energy North America Corporation | Generation Owner |
| O'Connell | Moira | PJM Interconnection, LLC | None |
| Ondayko | Brock | AEP Appalachian Transmission Company, Inc. | Transmission Owner |
| Pahwa | Ankit | Burns & McDonnell | None |
| Panegal | Ash | Apex Clean Energy | None |
| Papaconstandinou15nadou | Antonio | PJM Interconnection, LLC | None |
| Parrot | Sarah | Public Utilities Commission of Ohio | None |

| | | | |
|---------------|------------------|--|----------------------|
| Perera | Asanga | PJM Interconnection, LLC | None |
| Peters | Ignatuis | Burns & McDonnell | None |
| Pham | Bao | Old Dominion Electric Cooperative | Electric Distributor |
| Potter | Harrison | Virginia Electric & Power Company | Transmission Owner |
| Poulos | Greg | CAPS | None |
| Price | Joseph | Samsung C&T America, Inc | Other Supplier |
| Qiu | Wenzheng | PJM Interconnection, LLC | None |
| Quevada | Jason | PJM Interconnection, LLC | None |
| Rainey | John | Northern Virginia Electric Cooperative | Electric Distributor |
| Ranaweera | Aruna | Hecate Energy | None |
| Rasmussen | Jay | Duke Energy Business Services LLC | Transmission Owner |
| Reagan | Ryann | New Jersey Board of Public Utilities | None |
| Richards Jr | Cleveland | Price Waterhouse Cooper | None |
| Robichaud | Donna | Geenex Solar LLC | Other Supplier |
| Rocha-Garrido | Patricio | PJM Interconnection, LLC | None |
| Rutigliano | Tom | Achieving Equilibrium LLC | None |
| Sasser | Jonathan | Customized Energy Solutions, Ltd.* | None |
| Schmitt | Catherine | Public Service Electric & Gas Company | Transmission Owner |
| Schmitt | David | New Jersey Board of Public Utilities | None |
| Schroeder | Connie | Virginia Electric & Power Company | Transmission Owner |
| Schuyler | Ken | PJM Interconnection, LLC | None |
| Seiler | Kenneth (Ken) | PJM Interconnection, LLC | None |
| Selick | Sam | Customized Energy Solutions, Ltd.* | None |
| Shah | Pulin | PECO Energy Company | Transmission Owner |
| Shegarfi | Roozbeh | Exelon Business Services Company, LLC | Transmission Owner |
| Sillin | John | The Federal Energy Regulatory Commission | None |
| Singh | Harliv | Northern States Power Company | Other Supplier |
| Sloan | Ben | Organization of PJM States, Inc. (OPSI) | None |
| Smith | William | FirstEnergy Corporation | Transmission Owner |
| Sotkiewicz | Paul | E-Cubed Policy Associates | None |
| Souder | David | PJM Interconnection, LLC | None |
| Souder | Michelle | PJM Interconnection, LLC | None |
| Sparks | Bridget | Dayton Power & Light Company (The) | Transmission Owner |
| Stadlmeyer | Rebecca | Gable and Associates | None |
| Steinkuhl | Steve | Duke Energy Business Services LLC | Transmission Owner |
| Stern | Alexander (Alex) | Public Service Electric & Gas Company | Transmission Owner |
| Stuchell | Jeff | FirstEnergy Corporation | Transmission Owner |
| Stupar | Rob | Invenergy, LLC | Generation Owner |
| Sturgeon | John | Duke Energy Carolinas, LLC | Other Supplier |
| Sun | Haibin | Constellation Energy Services, Inc. | Other Supplier |
| Sunderman | Derek | Tradewind Energy, Inc. | None |
| Sussler | Philip | State of Maryland | None |
| Szeto | Connie | PBF Power Marketing, LLC | Generation Owner |
| Szmodis | Christopher | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Szot | Lisa | Szot Energy Services, LLC | None |



Draft Minutes

| | | | |
|----------------|----------------|--|----------------------|
| Taborsky | Craig | Maryland Public Service Commission | None |
| Tekle | Zelalem | Baltimore Gas and Electric Company | Transmission Owner |
| Thomas | Amber | Exelon Business Services Company, LLC | Transmission Owner |
| Tribulski | Jennifer (Jen) | PJM Interconnection, LLC | None |
| Tubridy | Meg | Rockland Electric Company | Transmission Owner |
| Upadhyay | Aditi | NextEra Energy Marketing, LLC | Other Supplier |
| Vayda | Brian | Borough of Park Ridge, NJ | Electric Distributor |
| VelezCedeno | Francisco | Virginia Electric & Power Company | Transmission Owner |
| Viswanath | Atul | The AES Company | None |
| Walcavich | Colin | National Grid Renewables, LLC | None |
| Walker | Preston | PPL Electric Utilities Corp. dba PPL Utilities | Transmission Owner |
| Webb | Becky | Commonwealth Edison Company | Transmission Owner |
| Wehnes | Kathleen | Maryland Public Service Commission | None |
| Whitehead | Jeffrey (Jeff) | GT Power Group | None |
| Widom | Stuart (Stu) | PJM Interconnection, LLC | None |
| Wilches | Rafael | Public Service Electric & Gas Company | Transmission Owner |
| Wilkinson | Eric | Orsted US Trading LLC | Other Supplier |
| Wylie-Chambers | Ericka | Exelon Business Services Company, LLC | Transmission Owner |
| Yasutake | Sarah | Gabel and Associates | None |
| York | Joshua | LS Power Development, LLC | None |
| Yovanovich | Laura | PJM Interconnection, LLC | None |