

**Operating Committee**  
**PJM Conference and Training Center**  
**October 15, 2019**  
**9:00 a.m. – 2:00 p.m. EPT**

## Administration

1. The Operating Committee (OC) agenda for this meeting was approved.
2. The draft minutes of the September 10 OC meeting were **approved** by acclamation with 0 objections and 0 abstentions.
3. The OC work plan was reviewed.
4. **2019 PJM Stakeholder Survey Update**  
Mr. Don Wallin, PJM, notified the OC that the 2019 PJM Stakeholder Survey window closed on October 11. Mr. Wallin thanked those who participated in the survey. PJM will review the survey results at a future OC meeting.
- 4a. Mr. Don Wallin, PJM, notified the OC that he was relinquishing the Secretary role after the October meeting. Ms. Danielle Croop, PJM, will assume the Secretary role beginning at the November meeting. Mr. Wallin thanked the OC for the opportunity to serve as Secretary.

## Review of Operations

5. **Review of Operational Events**  
Ms. Rebecca Carroll, PJM, provided a review of Operations from October 1-2, 2019. PJM is conducting further analysis of the load behavior during the event. PJM will provide an update as more data is collected at the November OC meeting regarding Load Management, Day Ahead Scheduling Reserves (DASR) and the Performance Assessment Interval (PAI) event. PJM encouraged those who have additional data requests to reach out to PJM prior to the November meeting.
6. **Review of Operating Metrics**  
Ms. Stephanie Monzon, PJM, reviewed the September 2019 PJM operating metrics slides. Metrics included PJM's load forecast error, BAAL performance, transmission / generation outage statistics, and Perfect Dispatch historical performance.

## Endorsements/Approvals

7. **Manual 03A Changes**  
Ms. Maria Baptiste, PJM, reviewed the proposed changes to PJM Manual 03A: Energy Management System (EMS) Model Updates. The Operating Committee deferred the endorsement vote in order to address stakeholder concerns with proposed language changes in Section 1.2.1.

## First Readings

### 8. **Manual 14D Changes**

Mr. Vince Stefanowicz, PJM, reviewed the proposed changes to PJM Manual 14D: Generator Operational Requirements. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

### 9. **Manual 3 Changes**

Mr. Lagy Mathew, PJM, reviewed the proposed changes to PJM Manual 3: Transmission Operations. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

## Gas Contingencies

### 10. **Manual 3 & 13 Changes**

Mr. Christopher Pulong, PJM, reviewed the proposed changes for gas contingency operations to PJM Manual 3: Transmission Operations and PJM Manual 13: Emergency Operations. The Operating Committee **endorsed** the proposed changes by acclamation with 0 objections and 0 abstentions.

## OC Subcommittee/ Task Force Updates

### 11. **System Operations Subcommittee (SOS)**

Ms. Rebecca Carroll, PJM, provided a summary of the most recent SOS meeting.

### 12. **Data Management Subcommittee (DMS)**

There were no DMS updates for this month's meeting.

### 13. **Distributed Energy Resources Subcommittee (DERS)**

There were no DERS updates for this month's meeting.

### 14. **System Restoration Coordinators Subcommittee (SRCS)**

There were no SRCS updates for this month's meeting.

### 15. **Primary Frequency Response Sr. Task Force (PFRSTF)**

There were no PFRSTF updates for this month's meeting.

## Unit Specific Parameter Update

### 16. **Unit Specific Parameter Update**

Ms. Lauren Strella Wahba, PJM, provided an update on Unit Specific Parameters.

## PJM Summer Report

### 17. **PJM Summer Report Review**

Ms. Rebecca Carroll, PJM, provided a review of the PJM Summer Report.

## PJM Initiative/Education Updates

### 18. Fuel Requirements for Black Start Resources Update

There were no Fuel Requirements for Black Start Resources issue updates for this month's meeting. More information on this initiative can be found at PJM's Issues Tracking page.

<https://www.pjm.com/committees-and-groups/issue-tracking/issue-tracking-details.aspx?Issue={B7F726E1-9F06-414E-8516-4D69B5050AF4}>

## Tool and Informational Updates

### 19. Automated CT Notification Pilot Project Timeline

Mr. Aaron Baizman, PJM, provided an update on the automated CT notification pilot project timeline.

### 20. Generation Primary Frequency Response Performance Review

Ms. Elizabeth Davis, PJM, provided an update on generator's primary frequency response performance.

### 21. 2019/20 Winter Weekly Reserve Target (WWRT) Analysis Review

Mr. Patricio Rocha Garrido, PJM, reviewed the results of the 2019/20 Winter Weekly Reserve Target (WWRT) analysis. **The Operating Committee will be asked to endorse these results at the next OC meeting.**

### 22. 2020 Day Ahead Scheduling Reserve (DASR) Requirement

Mr. David Kimmel, PJM, reviewed the preliminary proposed changes to the 2020 Day Ahead Scheduling Reserve (DASR) requirement. **The Operating Committee will be asked to endorse these changes at the next OC meeting.**

### 23. PJM/NYISO Interface OBF Update

Mr. Joe Ciabattone, PJM, provided a review of the PJM/NYISO Interface Operational Base Flow limit that changes on October 31st, 2019.

### 24. NERC Rating Initiative Task Force (NRITF) Update

Mr. Lagy Mathew, PJM, provided a review of the final report on the NERC Rating Initiative Task Force (NRITF). **The Operating Committee will be asked to approve sun-setting the NRITF at the next OC meeting.**

### 25. FERC-NERC January 2018 Extreme Cold Weather Event Report Update

Mr. Vince Stefanowicz, PJM, provided an update regarding PJM's review of the FERC-NERC January 2018 Extreme Cold Weather Event Report.

### 26. Pre-winter Generation Preparedness

Mr. Vince Stefanowicz, PJM, provided a review of PJM's generation-related winter preparation efforts.

## 27. **Transmission Owner Data Sharing for Reliability Studies**

Mr. Jordan Shenk, PJM, provided a review of changes to the Operating Agreement to clarify the language for sharing forecasted unit commitment data to Transmission Owners for reliability studies.

**The Operating Committee will be asked to endorse these changes at the next OC meeting.**

## 28. **Extended Transmission Outage Winter 2019-20**

Mr. Dean Manno, PJM, provided a review of an upcoming extended outage occurring over this winter.

## 29. **NERC Lessons Learned**

Mr. Donnie Bielak, PJM, provided an update on recently posted NERC lessons learned.

## 30. **Reliability Compliance Update**

Mr. Mark Kuras, PJM, provided an update on NERC, SERC and RFC standards, and other pertinent regulatory and compliance information, and solicited feedback from the members on Reliability Compliance efforts.

## 31. **Communication and Subscription Improvements**

Ms. Monica Burkett, PJM, provided an update on the changeover of PJM's list communication systems.

## 32. **Review of UK August 9 load shed and lessons learned**

Mr. Andrew Levitt, PJM, provided a review of the UK blackout report and lessons learned applicable for PJM

## 33. **Pricing Interface Update**

There were no newly created pricing interfaces.

## **Non-Retail Behind the Meter Generation (NRBTMG) Business Rule Issue**

### 34. **Non-Retail BTMG Business Rules Issue Update**

Ms. Theresa Esterly, PJM, provided a verbal status update on the clarification to Non-Retail BTMG business rules.

### 35. **Non-Retail BTMG Data Collection Update**

Ms. Theresa Esterly, PJM, provided a verbal status update on the Non-Retail BTMG data collection efforts.

## **Information Only**

### **Manual 39 Changes**

A revision to Manual 39: "Nuclear Plant Interface Coordination" was posted effective 10/15/2019. This revision includes only changes to the Attachment C: "Plant Specific NPIRs Revision History" reflecting recent plant specific nuclear plant interface requirement (NPIR) changes.

## Action Items

1. PJM will review Manual 03 language changes regarding stability studies in order to align with proposed Manual 10 language changes.
2. Manual 10 endorsement vote will be deferred until the Modeling Units with Stability Limitations Problem Statement and Issue Charge is addressed by the MIC.
3. PJM will provide additional Q and A/status updates for the October event 1-2 at the November OC meeting to include pricing behavior and DASR procurement.

## Previous OC Education

|  |           |   |
|--|-----------|---|
| Network Model Alignment Initiative                             | 2/5/2019  | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190205/20190205-item-21-network-model-alignment-achievements.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190205/20190205-item-21-network-model-alignment-achievements.ashx</a>                       |
| Forecasting Education  | 4/9/2019  | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190409/20190409-item-19-oc-forecast-education.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190409/20190409-item-19-oc-forecast-education.ashx</a>   |
| Emergency Procedures Overview                                  | 4/9/2019  | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190409/20190409-item-23b-emergency-procedures-overview.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190409/20190409-item-23b-emergency-procedures-overview.ashx</a>                                   |
| Behind the Meter Generation Settlement History                 | 4/9/2019  | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190409/20190409-item-23b-settlement-agreement.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190409/20190409-item-23b-settlement-agreement.ashx</a>   |
| Improving Load Forecast with BTM Solar Forecast                | 5/14/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-20-improving-load-forecast-with-btm-solar-forecast.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-20-improving-load-forecast-with-btm-solar-forecast.ashx</a> |
| Existing Non-Retail Behind the Meter Generation Business Rules | 5/14/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27-existing-nrbtmg-business-rules.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27-existing-nrbtmg-business-rules.ashx</a>                                   |
| Non-Wholesale Distributed Energy Resources Data Collection     | 5/14/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27a-der-data-collection.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27a-der-data-collection.ashx</a>   |



|  |           |   |
|--|-----------|---|
| Process Used to Estimate Non-Retail Behind the Meter Generation in PJM                               | 5/14/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27b-nrbtmg-estimation-process.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27b-nrbtmg-estimation-process.ashx</a>       |
| Non-Retail Behind the Meter Generation Settlement Agreement – Determination of the Threshold and Cap | 5/14/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27c-threshold-and-cap-for-nrbtmg.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190514/20190514-item-27c-threshold-and-cap-for-nrbtmg.ashx</a> |
| FERC 841 Education   | 6/11/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190611/20190611-item-06-ferc-order-841-education.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190611/20190611-item-06-ferc-order-841-education.ashx</a>           |
| Transient Stability Analysis and Modeling Education  | 6/11/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190611/20190611-item-17-stability-limit-process.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190611/20190611-item-17-stability-limit-process.ashx</a>             |
| Post Contingency Local Load Relief Warning (PCLLRW) Education  | 9/10/2019 | <a href="https://www.pjm.com/-/media/committees-groups/committees/oc/20190910/20190910-item-05-pcllrw-education.ashx">https://www.pjm.com/-/media/committees-groups/committees/oc/20190910/20190910-item-05-pcllrw-education.ashx</a>                           |

## Future Meeting Dates

November 12, 2019  
December 10, 2019

9:00 a.m.  
9:00 a.m.

PJM Conference & Training Center/ WebEx  
PJM Conference & Training Center/ WebEx

Author: Don Wallin

## In Attendance (In Person)

| Last Name          | First Name | Company                     | Sector             |
|--------------------|------------|-----------------------------|--------------------|
| Phillips (Chair)   | Darlene    | PJM Interconnection, LLC    | Not Applicable     |
| Wallin (Secretary) | Don        | PJM Interconnection, LLC    | Not Applicable     |
| Benchek            | Jim        | FirstEnergy Solutions Corp. | Transmission Owner |
| Borgatti           | Michael    | Gabel Associates            | Not Applicable     |
| D'Alessandris      | Lou        | FirstEnergy Solutions Corp. | Transmission Owner |
| Fitch              | Neal       | NRG Power Marketing, LLC.   | Generation Owner   |

|             |          |                                       |                      |
|-------------|----------|---------------------------------------|----------------------|
| Foladare    | Kenneth  | Tangibl                               | Not Applicable       |
| Greiner     | Gary     | PSEG Energy Resources and Trade LLC   | Other Supplier       |
| Hoatson     | Tom      | West Deptford Energy, LLC.            | Generation Owner     |
| Hyzinski    | Tom      | GT Power Group                        | Not Applicable       |
| Johnson     | Carl     | Customized Energy Solutions Ltd.      | Not Applicable       |
| Kogut       | George   | New York Power Authority              | Other Supplier       |
| Lieberman   | Steven   | American Municipal Power, Inc.        | Electric Distributor |
| Lowe        | Connie   | Dominion Virginia Power               | Not Applicable       |
| Midgley     | Sharon   | Exelon Business Services Company, LLC | Transmission Owner   |
| O'Connell   | Robert   | PPGI Fund A/B Development, LLC.       | Generation Owner     |
| Scarpignato | David    | Calpine Energy Services, L.P.         | Generation Owner     |
| Smith       | Christen | RTO Insider                           | Not Applicable       |

### In Attendance (Via Conference Call)

| Last Name | First Name | Company                                  | Sector             |
|-----------|------------|--|--------------------|
| Adams     | Chris      | East Kentucky Power Cooperative          | Transmission Owner |
| Ainspan   | Malcolm    | NRG Curtailment Solutions, Inc.          | Other Supplier     |
| Barmer    | Mike       | Virginia Electric & Power Company        | Transmission Owner |
| Braerman  | Ken        | Baltimore Gas and Electric Company       | Transmission Owner |
| Brodbeck  | John       | EDP Renewables North America, LLC        | Other Supplier     |
| Canchi    | Devendra   | Monitoring Analytics, LLC.               | Not Applicable     |
| Capra     | Carlo      | ITC Interconnection LLC                  | Other Supplier     |
| Campbell  | Bruce      | Enerwise Global Technologies, LLC.       | Other Supplier     |
| Carmean   | Greg       | OPSI                                     | Not Applicable     |
| Chandler  | Kent       | Office of the Attorney General, Kentucky | Not Applicable     |

|             |          |   |                      |
|-------------|----------|---|----------------------|
| Chang       | Sean     | Shell Energy North America (US), L.P.   | Other Supplier       |
| Chintapalli | Raj      | BP Energy Company                       | Other Supplier       |
| Crystle     | Gil      | UGI Development                         | Transmission Owner   |
| Cocco       | Michael  | Old Dominion Electric Cooperative       | Electric Distributor |
| Coultas     | Ann      | Invenergy LLC.                          | Generation Owner     |
| Dasher      | Brett    | The Energy Authority, Inc.              | Other Supplier       |
| DeGiusto    | Vince    | UGI Development Company                 | Generation Owner     |
| DeLosa      | Joe      | DE Public Service Commission            | Not Applicable       |
| Denby       | Brett    | Northern Virginia Electric Cooperative  | Electric Distributor |
| Diiorio     | Michelle | PSEG Energy Resources and Trade LLC     | Other Supplier       |
| DiNicola    | Laura    | PPL Electric Utilities Corp.            | Transmission Owner   |
| Douglass    | Robert   | Exelon Generation Company, LLC.         | Generation Owner     |
| Dugan       | Chuck    | East Kentucky Power Cooperative, Inc.   | Transmission Owner   |
| Durinsky    | Mike     | FirstEnergy Solutions Corp.             | Transmission Owner   |
| Filomena    | Guy      | Customized Energy Solutions, Ltd.       | Not Applicable       |
| Ford        | Adrien   | Old Dominion Electric Cooperative       | Electric Distributor |
| Garnett     | Bryan    | Duke Energy Ohio, Inc.                  | Transmission Owner   |
| Gates       | Terry    | Appalachian Power Company               | Transmission Owner   |
| Gebolys     | Debbie   | The Public Utilities Commission of Ohio | Not Applicable       |
| Gilani      | Rehan    | ConEdison Energy, Inc.                  | Other Supplier       |
| Grear       | Mark     | Exelon Generation Co., LLC              | Generation Owner     |
| Guntle      | Vince    | UGI Development Company                 | Generation Owner     |
| Hammack     | Matthew  | PPL Web                                 | Transmission Owner   |
| Hanebuth    | Michele  | Consolidated Edison Company of NY. Inc. | Transmission Owner   |



|             |             |  |                    |
|-------------|-------------|--|--------------------|
| Hastings    | David       | Market Interconnection LLC.            | Not Applicable     |
| Heinle      | Erik        | Office of the People's Council         | Not Applicable     |
| Hohenshilt  | Jennifer    | Talen Energy Marketing, LLC.           | Generation Owner   |
| Horning     | Lynn Marie  | Customized Energy Solutions Ltd.       | Not Applicable     |
| Hudis       | Gabriella   | Gabel Associates                       | Not Applicable     |
| Hunter      | Andy        | FirstEnergy Solutions Corp.            | Transmission Owner |
| Janicki     | Diane       | Boston Energy Trading & Marketing, LLC | Generation Owner   |
| Jardot      | Gina        | Essential Power Rock Springs, LLC.     | Generation Owner   |
| Jens        | Tom         | Black Oak Energy, LLC.                 | Other Supplier     |
| Jha         | Monica      | Power Costs Inc.                       | Not Applicable     |
| Jones       | David       | Grid Force Energy Management, LLC.     | Other Supplier     |
| Jones       | Ryan        | CCS Energy                             | Not Applicable     |
| Kelley      | Ryan        | Duke Energy Ohio, Inc.                 | Transmission Owner |
| Kelly       | Stephen     | Brookfield Energy Marketing LP         | Other Supplier     |
| Kirk        | Ryan        | Appalachian Power Company              | Transmission Owner |
| Krawczyk    | Leslie      | Reliability First                      | Not Applicable     |
| Leisure     | Jill        | Keystone Projects                      | Not Applicable     |
| Liang-Nicol | Cecilia     | First Energy Corporation               | Transmission Owner |
| Libbos      | Robin       | FirstEnergy Solutions Corp.            | Transmission Owner |
| Mahila      | Christopher | Public Utility Commission of Ohio      | Not Applicable     |
| Markiewicz  | Cindy       | FirstEnergy Solutions Corp.            | Transmission Owner |
| Matuszak    | Alex        | UGI Energy Services, LLC.              | Other Supplier     |
| McGuire     | Bob         | Dominion Virginia Power                | Transmission Owner |

|            |             |  |                      |
|------------|-------------|--|----------------------|
| Mendelsohn | Mark        | Engelhart CTP (US), LLC.                     | Other Supplier       |
| Merten     | Laura       | Holocene Clean Energy                        | Not Applicable       |
| Norton     | Chris       | American Municipal Power, Inc.               | Electric Distributor |
| O'Connell  | Robert      | PPGI Fund A/B Development, LLC               | Generation Owner     |
| O'Leary    | Christopher | PSEG Energy Resources & Trade, LLC.          | Other Supplier       |
| Ondayko    | Brock       | Appalachian Power Company                    | Transmission Owner   |
| Pakela     | Gregory     | DTE Energy Trading, Inc.                     | Other Supplier       |
| Philips    | Marji       | Direct Energy Business, LLC.                 | Other Supplier       |
| Polestra   | Tabatha     | Appian Way Energy Partners MidAtlantic, LLC. | Other Supplier       |
| Poulos     | Greg        | CAPS   | Not Applicable       |
| Robinson   | Becky       | Vistra Energy                                | Generation Owner     |
| Sasser     | Jonathan    | Customized Energy Solutions, Ltd.            | Not Applicable       |
| Singer     | Chad        | Trane Grid Services, LLC.                    | Other Supplier       |
| Song       | Yang        | Talen Energy Marketing, LLC.                 | Generation Owner     |
| Sotkiewicz | Paul        | Other  | Not Applicable       |
| Squibb     | William     | Ohio Valley Electric Corporation             | Transmission Owner   |
| Sturgeon   | John        | Duke Energy Carolinas LLC.                   | Other Supplier       |
| Sullivan   | James       | Neptune Regional Transmission System, LLC.   | Transmission Owner   |
| Svenson    | Heather     | Public Service Electric and Gas Company      | Transmission Owner   |
| Tyler      | Catherine   | Monitoring Analytics, LLC.                   | Not Applicable       |
| Vitiello   | Jacki       | Virginia Electric & Power Company            | Transmission Owner   |
| Whitehead  | Jeffrey     | GT Power Group                               | Not Applicable       |
| Wilson     | James       | Wilson Energy Economics                      | Not Applicable       |
| Zhou       | Ming        | PSEG Energy Resources & Trade, LLC.          | Other Supplier       |



## PJM Attendees

| Last Name  | First Name | Company                  | Sector         |
|------------|------------|--------------------------|----------------|
| Anders     | David      | PJM Interconnection, LLC | Not Applicable |
| Beach      | Madeline   | PJM Interconnection, LLC | Not Applicable |
| Baptiste   | Maria      | PJM Interconnection, LLC | Not Applicable |
| Bennett    | Daniel     | PJM Interconnection, LLC | Not Applicable |
| Bernabeu   | Emanuel    | PJM Interconnection, LLC | Not Applicable |
| Bielak     | Donnie     | PJM Interconnection, LLC | Not Applicable |
| Boyle      | Glen       | PJM Interconnection, LLC | Not Applicable |
| Breeding   | Michael    | PJM Interconnection, LLC | Not Applicable |
| Brown      | Rich       | PJM Interconnection, LLC | Not Applicable |
| Bruno      | Pat        | PJM Interconnection, LLC | Not Applicable |
| Burkett    | Monica     | PJM Interconnection, LLC | Not Applicable |
| Cao        | Roger      | PJM Interconnection, LLC | Not Applicable |
| Callaghan  | Chris      | PJM Interconnection, LLC | Not Applicable |
| Carroll    | Rebecca    | PJM Interconnection, LLC | Not Applicable |
| Caven      | Augustine  | PJM Interconnection, LLC | Not Applicable |
| Chen       | Hong       | PJM Interconnection, LLC | Not Applicable |
| Ciabattoni | Joseph     | PJM Interconnection, LLC | Not Applicable |
| Coyne      | Suzanne    | PJM Interconnection, LLC | Not Applicable |
| Dajewski   | Paul       | PJM Interconnection, LLC | Not Applicable |
| D'Antonio  | Phil       | PJM Interconnection, LLC | Not Applicable |
| Davis      | Elizabeth  | PJM Interconnection, LLC | Not Applicable |
| Dolan      | James      | PJM Interconnection, LLC | Not Applicable |

|               |         |                          |                |
|---------------|---------|--------------------------|----------------|
| Downs         | Jere    | PJM Interconnection, LLC | Not Applicable |
| Esterly       | Theresa | PJM Interconnection, LLC | Not Applicable |
| Fabiano       | Janell  | PJM Interconnection, LLC | Not Applicable |
| Fan           | Zhenyu  | PJM Interconnection, LLC | Not Applicable |
| Fitzpatrick   | Brian   | PJM Interconnection, LLC | Not Applicable |
| Frogg         | Darrell | PJM Interconnection, LLC | Not Applicable |
| Genuario      | Gabby   | PJM Interconnection, LLC | Not Applicable |
| Greening      | Michele | PJM Interconnection, LLC | Not Applicable |
| Handlin       | Mike    | PJM Interconnection, LLC | Not Applicable |
| Hauske        | Tom     | PJM Interconnection, LLC | Not Applicable |
| Herel         | Suzanne | PJM Interconnection, LLC | Not Applicable |
| Hislop        | David   | PJM Interconnection, LLC | Not Applicable |
| Hoang         | Liem    | PJM Interconnection, LLC | Not Applicable |
| Hsia          | Eric    | PJM Interconnection, LLC | Not Applicable |
| Jani          | Alpa    | PJM Interconnection, LLC | Not Applicable |
| Jayachandran  | Marilyn | PJM Interconnection, LLC | Not Applicable |
| Kenney        | Susan   | PJM Interconnection, LLC | Not Applicable |
| Keshavamurthy | Bhavana | PJM Interconnection, LLC | Not Applicable |
| Kimmel        | David   | PJM Interconnection, LLC | Not Applicable |
| Kuras         | Mark    | PJM Interconnection, LLC | Not Applicable |
| Langbein      | Pete    | PJM Interconnection, LLC | Not Applicable |
| Lee           | Ray     | PJM Interconnection, LLC | Not Applicable |
| Levitt        | Andrew  | PJM Interconnection, LLC | Not Applicable |
| Limbert       | Vanessa | PJM Interconnection, LLC | Not Applicable |

|                |           |                          |                |
|----------------|-----------|--------------------------|----------------|
| Manno          | Dean      | PJM Interconnection, LLC | Not Applicable |
| Mathew         | Lagy      | PJM Interconnection, LLC | Not Applicable |
| McGlynn        | Paul      | PJM Interconnection, LLC | Not Applicable |
| Monzon         | Stephanie | PJM Interconnection, LLC | Not Applicable |
| Morelli        | Lisa      | PJM Interconnection, LLC | Not Applicable |
| O'Neill        | Jack      | PJM Interconnection, LLC | Not Applicable |
| Pilong         | Chris     | PJM Interconnection, LLC | Not Applicable |
| Pincus         | Steve     | PJM Interconnection, LLC | Not Applicable |
| Rocha-Garrido  | Patricio  | PJM Interconnection, LLC | Not Applicable |
| Schirmer       | Andrew    | PJM Interconnection, LLC | Not Applicable |
| Schmitt        | Jeff      | PJM Interconnection, LLC | Not Applicable |
| Schuyler       | Ken       | PJM Interconnection, LLC | Not Applicable |
| Schweizer      | David     | PJM Interconnection, LLC | Not Applicable |
| Shah           | Vijay     | PJM Interconnection, LLC | Not Applicable |
| Shenk          | Jordan    | PJM Interconnection, LLC | Not Applicable |
| Sidhu          | Paramvir  | PJM Interconnection, LLC | Not Applicable |
| Souder         | Michelle  | PJM Interconnection, LLC | Not Applicable |
| Stadelmeyer    | Rebecca   | PJM Interconnection, LLC | Not Applicable |
| Stefanowicz    | Vince     | PJM Interconnection, LLC | Not Applicable |
| Stone          | Andy      | PJM Interconnection, LLC | Not Applicable |
| Strella-Wahba  | Lauren    | PJM Interconnection, LLC | Not Applicable |
| Tacka          | Natalie   | PJM Interconnection, LLC | Not Applicable |
| Thomas         | Henry     | PJM Interconnection, LLC | Not Applicable |
| Warner-Freeman | Jennifer  | PJM Interconnection, LLC | Not Applicable |





# Draft Minutes

|       |        |                          |                |
|-------|--------|--------------------------|----------------|
| Wolfe | Arthur | PJM Interconnection, LLC | Not Applicable |
|-------|--------|--------------------------|----------------|

**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 PJM 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.

### 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.

#### On the Phone Dial



Mute / Unmute

#### Linking Teleconference Connection to WebEx

To link your teleconference connection (audio presence) to your WebEx presence, please dial \*29 and enter your Personal Identification Number. Once you are logged in to the WebEx, this PIN can be found under the "Meeting Info" tab of your WebEx window.

#### 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.*

Provide feedback on the progress of this group: [Facilitator Feedback Form](#)  
Visit [learn.pjm.com](http://learn.pjm.com), an easy-to-understand resource about the power industry and PJM's role.