

Planning Committee  
PJM Conference and Training Center  
October 12, 2017  
9:30 a.m. – 12:15 p.m. EPT

## Administration (9:30-9:35)

1. Mr. Frank Koza, PJM, called the meeting to order, reviewed the Anti-trust, Code of Conduct, and Media Participation Guidelines. Mr. Koza provided an updated on Issue Tracker items assigned to the Planning Committee.
2. Mr. Koza asked Ms. Susan McGill to review the meeting minutes of the September 14, 2017 Planning Committee meeting.

## Endorsements (9:35-10:15)

### 3. 2017 Installed Reserve Margin Study Results

Mr. Tom Falin, PJM, reviewed the 2017 Installed Reserve Margin (IRM) study results. Mr. David Pratzon made a motion to endorse and Mr. Carl Johnson seconded the motion. There were no objections and no abstentions. In a voice vote, the committee endorsed the IRM and FPR for the 2018/19, 2019/20, 2020/21 and 2021/22 Delivery Years and the Winter Weekly Reserve Targets for the 2017/18 winter period.

### 4. PJM Manual 14B

Mr. Michael Herman, PJM, presented proposed updates to Manual 14B (Regional Transmission Planning Process). These updates will add additional information related to the contingency definitions. Mr. David Pratzon made a motion to endorse and Mr. Carl Johnson seconded the motion. There were no objections and no abstentions. In a voice vote, the committee endorsed the Manual revisions.

### 5. PJM Manual 19

Mr. John Reynolds, PJM, presented proposed updates to Manual 19 (Load Forecasting and Analysis). These updates will clarify when load drop estimates are produced and the required periodic review of the Manual. Mr. Carl Johnson made a motion to endorse and Mr. David Pratzon seconded the motion. There were no objections and no abstentions. In a voice vote, the committee endorsed the Manual revisions.

## First Reads (10:15-10:45)

### 6. New Service Request Study Methods

Mr. Ed Franks, PJM, discussed proposed changes to the procedures associated with the study of Transmission Service Requests and Upgrade Requests in the New Services Queue process which

have been recently discussed in Planning Committee sub-group meetings. The committee will be asked to endorse new methods at its next meeting.

## 7. Incorporation of Minimum Requirements for Underground Transmission

Mr. Michael Herman, PJM, presented updates to the existing Minimum Design Standards document developed by the DEDSTF including the incorporation of a new Underground lines section developed by the Task Force. The committee will be asked to endorse the inclusion of these minimum requirements at its next meeting.

### Informational Updates (10:45-12:15)

## 9. Grid Resilience in System Planning

Mr. Mark Sims, PJM, discussed grid resilience in Transmission Planning as well as next steps. PJM will continue to refine the meaning of grid resilience in Transmission Planning in the coming meetings. Members are encouraged to provide feedback through the [Planning Community](#).

## 10. RTEP 2018 Schedule Update

Mr. Alex Worcester, PJM, provided an update regarding the RTEP 2018 Schedule. The full RTEP Power flow case build schedule is available in the materials in the October 12th Planning Committee Material on the [PC Website](#).

## 11. NERC and Regional Coordination Update

Mr. Preston Walker, PJM, provided an update on recent NERC activities and PJM compliance activities. NERC standards subject to future enforcement can be found under the October 12th Planning Committee Material at the [PC Website](#).

## 12. PJM.com Updates

Ms. Tawnya Luna, PJM, provided an update on the upcoming revisions to the PJM.com website.

### Future Meeting Dates

|                    |           |   |
|--------------------|-----------|---|
| December 14, 2017  | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| January 11, 2018   | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| February 8, 2018   | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| March 8, 2018      | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| April 5, 2018      | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| May 3, 2018        | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| June 7, 2018       | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| July 12, 2018      | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| August 9, 2018     | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| September 13, 2018 | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| October 11, 2018   | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| November 8, 2018   | 9:30 a.m. | PJM Conference & Training Center/ WebEx |
| December 13, 2018  | 9:30 a.m. | PJM Conference & Training Center/ WebEx |

November 9, 2017  
December 14, 2017

9:30 a.m.  
9:30 a.m.

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

## Attendees

|                          |  |                      |
|--------------------------|--|----------------------|
| Frank Koza Jr. (Chair)   | PJM Interconnection, LLC                                 | Not Applicable       |
| Susan McGill (Secretary) | PJM Interconnection, LLC                                 | Not Applicable       |
| Lynn Sarvis              | ABB  | Not Applicable       |
| Eric Laverty             | Aces   | Electric Distributor |
| RJ Cundiff               | AEP Energy Partners, Inc.                                | Transmission Owner   |
| Brian Swain              | AEP Indiana-Michigan Transmission Company, Inc.          | Transmission Owner   |
| Ed Kachaab               | AEP Ohio Transmission Company, Inc.                      | Transmission Owner   |
| Jamie Lejcar             | Allegheny Electric Cooperative, Inc.                     | Electric Distributor |
| Toby Hu                  | Ameren Corporation                                       | Not Applicable       |
| Kiran Thammineni         | Ameren Corporation                                       | Not Applicable       |
| Edward Tatum             | American Municipal Power                                 | Electric Distributor |
| Ryan Dolan               | American Municipal Power                                 | Electric Distributor |
| Gary Fuerst              | American Transmission Systems, Inc.                      | Transmission Owner   |
| Jim Zweig                | American Transmission Systems, Inc.                      | Transmission Owner   |
| Takis Laios              | Appalachian Power Company                                | Transmission Owner   |
| Craig Lockwood           | Appalachian Power Company                                | Transmission Owner   |
| Brock Ondayko            | Appalachian Power Company                                | Transmission Owner   |
| Kevin Patten             | Appalachian Power Company                                | Transmission Owner   |
| Marek Kaczanowski        | Baltimore Gas and Electric Company                       | Transmission Owner   |
| Rajul Mahmud             | Baltimore Gas and Electric Company                       | Transmission Owner   |
| Hugh Scott               | Baltimore Gas and Electric Company                       | Transmission Owner   |
| Ron Pezon                | Borough of Chambersburg                                  | Electric Distributor |
| Raj Chintapalli          | BP Energy Company  | Other Supplier       |
| Greg Poulos              | CAPS   | Not Applicable       |
| Deral Danis              | Clean Line Energy Partners LLC                           | Not Applicable       |
| William Allen            | Commonwealth Edison Company                              | Transmission Owner   |
| Kevin Chamberlain        | Commonwealth Edison Company                              | Transmission Owner   |
| Ronald Regner            | Commonwealth Edison Company                              | Transmission Owner   |
| Rehan Gilani             | ConEdison Energy, Inc.                                   | Not Applicable       |
| Diana McNally-Barsotti   | Consolidated Edison                                      | Other Supplier       |
| Bruce Campbell           | Cpower   | Other Supplier       |
| Guy Filomena             | Customized Energy Solutions, Ltd.                        | Not Applicable       |
| Carl Johnson             | Customized Energy Solutions, Ltd.                        | Not Applicable       |
| Jonathan Sasser          | Customized Energy Solutions, Ltd.                        | Not Applicable       |
| Michael Russ             | Dayton Power & Light Company (The)                       | Transmission Owner   |
| Joseph DeLosa            | DE Public Service Commission                             | Not Applicable       |
| John Farber              | DE Public Service Commission                             | Not Applicable       |
| Michael Natrin           | Delmarva Power & Light Company                           | Other Supplier       |
| Ruth Ann Price           | Division of the Public Advocate of the State of Delaware | Other Supplier       |
| Kyle Hannah              | Dominion Virginia Power                                  | Transmission Owner   |
| Frank Zhang              | Dominion Virginia Power                                  | Transmission Owner   |
| Greg Pakela              | DTE Energy Trading, Inc.                                 | Other Supplier       |
| Steve Steinkuhl          | Duke Energy Business Services LLC                        | Transmission Owner   |
| Chad Hirsh               | Duquesne Light Company                                   | Transmission Owner   |
| Tonja Wicks              | Duquesne Light Company                                   | Transmission Owner   |
| Patrick Grau             | Dynergy Marketing and Trade, LLC                         | Generation Owner     |
| Iker Chocarro            | E.on Climate & Renewables North America, Inc             | Generation Owner     |
| Scott Sells              | East Kentucky Power Cooperative, Inc.                    | Transmission Owner   |
| Amanda Stacy             | East Kentucky Power Cooperative, Inc.                    | Transmission Owner   |
| John Brodbeck            | EDP Renewables North America, LLC                        | Other Supplier       |
| Sharon Midgley           | Exelon Business Services Company, LLC                    | Generation Owner     |
| Melanie Sanders          | Exelon Business Services Company, LLC                    | Transmission Owner   |
| Robert Taylor            | Exelon Business Services Company, LLC                    | Transmission Owner   |
| Jeffrey Yuknis           | Exelon Business Services Company, LLC                    | Transmission Owner   |
| Thomas Bainbridge        | FirstEnergy Solutions Corp.                              | Transmission Owner   |
| Jim Benchek              | FirstEnergy Solutions Corp.                              | Transmission Owner   |
| Martin Bolan             | FirstEnergy Solutions Corp.                              | Transmission Owner   |
| Stacey Burbure           | FirstEnergy Solutions Corp.                              | Transmission Owner   |
| Andrew Horne             | FirstEnergy Solutions Corp.                              | Transmission Owner   |



# Draft Meeting Minutes

|                        |  |                      |
|------------------------|--|----------------------|
| Jeff Stuchell          | FirstEnergy Solutions Corp.                    | Transmission Owner   |
| John Syner             | FirstEnergy Solutions Corp.                    | Transmission Owner   |
| Rachel Hulett          | Gridliance, GP, LLC                            | Not Applicable       |
| David Pratzon          | GT Power Group                                 | Not Applicable       |
| Roy Shanker            | H.Q. Energy Services (U.S.), Inc.              | Other Supplier       |
| Joe Staszowski         | ISO New England                                | Not Applicable       |
| John Kopinski          | ITC Mid-Atlantic Development LLC               | Other Supplier       |
| Brenda Prokop          | ITC Mid-Atlantic Development LLC               | Transmission Owner   |
| Sean Powers            | Linde Energy Services, Inc                     | End User Customer    |
| John Seelke            | LS Power Development, LLC                      | Transmission Owner   |
| Robert Colozza         | LS Power Transmission, LLC                     | Transmission Owner   |
| David Mabry            | McNees Wallace & Nurick LLC                    | Not Applicable       |
| Erik Hanser            | Michigan Public Service Commission             | Not Applicable       |
| Heather Thomson        | Mid-Atlantic Renewable Energy                  | Not Applicable       |
| Christin Domian        | Mitsubishi Electric Power Products Inc.        | Not Applicable       |
| John Hyatt             | Monitoring Analytics                           | Not Applicable       |
| Christopher Oprysk     | New Jersey Board of Public Utilities           | Not Applicable       |
| George Kogut           | New York Power Authority                       | Other Supplier       |
| Dean Busch             | NextEra Energy Resources                       | Other Supplier       |
| Gabriel Hollis         | NextEra Energy Transmission, LLC               | Other Supplier       |
| Amanda Mack            | NextEra Energy Transmission, LLC               | Other Supplier       |
| Frederico Von Pinho    | NextEra Energy Transmission, LLC               | Other Supplier       |
| Eric Rodriguez Reyes   | NextEra Energy, Inc                            | Other Supplier       |
| Yang Wang              | NiSource Inc                                   | Not Applicable       |
| James Manning          | North Carolina Electric Membership Corporation | Electric Distributor |
| Miles Taylor           | Northern Indiana Public Service Company        | Other Supplier       |
| John Donelson          | Old Dominion Electric Cooperative              | Electric Distributor |
| William Pezalla        | Old Dominion Electric Cooperative              | Electric Distributor |
| Mark Ringhausen        | Old Dominion Electric Cooperative              | Electric Distributor |
| Douglas Dale           | PECO Energy Company                            | Transmission Owner   |
| Mike Donnelly          | PECO Energy Company                            | Transmission Owner   |
| Pulin Shah             | PECO Energy Company                            | Transmission Owner   |
| Gloria Godson          | PEPCO Holdings, Inc.                           | Transmission Owner   |
| Patricia Kurowski      | PEPCO Holdings, Inc.                           | Transmission Owner   |
| Amber Young            | PEPCO Holdings, Inc.                           | Transmission Owner   |
| David Anders           | PJM Interconnection, LLC                       | Not Applicable       |
| Jerry Bell             | PJM Interconnection, LLC                       | Not Applicable       |
| Aaron Berner           | PJM Interconnection, LLC                       | Not Applicable       |
| Nicole Bugay           | PJM Interconnection, LLC                       | Not Applicable       |
| Tim Burdis             | PJM Interconnection, LLC                       | Not Applicable       |
| Phil D'Antonio         | PJM Interconnection, LLC                       | Not Applicable       |
| Mary Ellen Driscoll    | PJM Interconnection, LLC                       | Not Applicable       |
| Tom Falin              | PJM Interconnection, LLC                       | Not Applicable       |
| Zhenyu Fan             | PJM Interconnection, LLC                       | Not Applicable       |
| Lawrence Farmer        | PJM Interconnection, LLC                       | Not Applicable       |
| Anisha Fernandes       | PJM Interconnection, LLC                       | Not Applicable       |
| Ed Franks              | PJM Interconnection, LLC                       | Not Applicable       |
| Suzanne Glatz          | PJM Interconnection, LLC                       | Not Applicable       |
| Andrew Gledhill        | PJM Interconnection, LLC                       | Not Applicable       |
| Jim Glennon            | PJM Interconnection, LLC                       | Not Applicable       |
| Jacob Grande           | PJM Interconnection, LLC                       | Not Applicable       |
| Steve Herling          | PJM Interconnection, LLC                       | Not Applicable       |
| Michael Herman         | PJM Interconnection, LLC                       | Not Applicable       |
| Thomas Jack            | PJM Interconnection, LLC                       | Not Applicable       |
| Lisa Krizenoskas       | PJM Interconnection, LLC                       | Not Applicable       |
| Jeremy Lin             | PJM Interconnection, LLC                       | Not Applicable       |
| Amanda Long            | PJM Interconnection, LLC                       | Not Applicable       |
| Jeffrey McLaughlin     | PJM Interconnection, LLC                       | Not Applicable       |
| Molly Mooney           | PJM Interconnection, LLC                       | Not Applicable       |
| Emma Nix               | PJM Interconnection, LLC                       | Not Applicable       |
| Wenzheng Qiu           | PJM Interconnection, LLC                       | Not Applicable       |
| Jason Quevada          | PJM Interconnection, LLC                       | Not Applicable       |
| John Reynolds          | PJM Interconnection, LLC                       | Not Applicable       |
| Patricio Rocha-Garrido | PJM Interconnection, LLC                       | Not Applicable       |
| Ken Schuyler           | PJM Interconnection, LLC                       | Not Applicable       |
| David Schweizer        | PJM Interconnection, LLC                       | Not Applicable       |

