

**Planning Committee  
PJM Interconnection  
April 9, 2015**

**Administration (9:30 – 9:50)**

1. Administrative Items

- A. Mr. Herling called the meeting to order and asked if the Planning Committee had any additional items for the agenda. There were no suggestions for additional agenda items.
- B. Mr. Herling asked Ms. Thomas to review the meeting minutes of the March 12th, 2015 Planning Committee meeting. Mr. Pratzon then made a motion to approve the minutes. Mr. Syner seconded the motion. In a voice vote, the Planning Committee approved the March 12, 2015 Planning Committee minutes.
- C. Mr. Herling noted that the Merchant Transmission Upgrade Issue Charge has been posted in the March and April Planning Committee material on [pjm.com](http://pjm.com).
- D. Mr. Herling noted that Manual 03 Update has been posted under the April Planning Committee material on [pjm.com](http://pjm.com) and will have a first read at the April 23<sup>rd</sup> MRC.
- E. Mrs. Glatz informed the PC that members will now need to be granted permission to access the GIS Interactive System map via the CAM account manager process. This change was made in response to PJM stakeholder feedback to provide greater control on access to system information.
- F. Mr. Anders recommended that the PC should develop rules to consider uplift in future RTEP. Mr. Herling suggested bringing a discussion to an upcoming PC to develop rules for future RTEP.
- G. Mr. Herman provided an update of the 2015 RTEP Proposal Window. Baseline and GenDeliv results were posted on April 8th. The schedule for the 1st window will be released soon. Members must resubmit CEIL for 2015 proposal window. All questions can be submitted to [RTEP@pjm.com](mailto:RTEP@pjm.com).
- H. Mr. Bryson gave an update on the PEPCO Area Disturbance. PJM and PEPCO are working together to discover the root causes analysis for the sequence of events that led to the temporary blackout in the Washington D.C. area.

**Endorsements/Approvals (9:50 – 10:35)**

2. Problem Statement For Order 1000 Lessons Learned\*

Mr. Herman reviewed the Order 1000 Lessons Learned problem statement. PJM will facilitate and consider stakeholder feedback to develop improvements and where necessary implement changes to PJM manuals, PJM OATT, and associated FERC filings. Mr. Herling asked the Planning Committee to endorse the problem statement. Mr. Kopinski made a motion to endorse the problem statement and Mr. Pratzon seconded the motion. **IN A VOICE VOTE, THE PLANNING**

## **COMMITTEE ENDORSED THE PROBLEM STATEMENT ON ORDER 1000 LESSONS LEARNED.**

### 3. Problem Statement for Long Term Firm Transmission Service Requests\*

Mr. McGlynn reviewed the problem statement for issues relating to the study of long term firm transmission service requests as part of the New Services Queue. This problem statement relates to modeling of Long Term Firm Transmission Requests and the processes used to identify impacts for an individual Long Term Firm Transmission Service Request. Mr. Herling asked the Planning Committee to endorse the problem statement. Mr. Pratzon made a motion to endorse the problem statement and Mr. Griffiths seconded the motion. **IN A VOICE VOTE, THE PLANNING COMMITTEE ENDORSED THE PROBLEM STATEMENT FOR LONG TERM FIRM TRANSMISSION SERVICE REQUESTS.**

### 4. 2015 IRM Study\*

Mr. Rocha reviewed the modeling assumptions for the 2015 IRM Study. This study will compute the PJM Installed Reserve Margin, Forecast Pool Requirement, and Demand Resource Factor for each of the next four Delivery Years. The assumptions remained consistent with the 2014 assumptions. Mr. Herling asked the Planning Committee to endorse the 2015 modeling assumptions. Mr. Pratzon made a motion to endorse the assumptions and Mr. Trayers seconded the motion. **IN A VOICE VOTE, THE PLANNING COMMITTEE ENDORSED THE MODELING ASSUMPTIONS FOR THE 2015 IRM STUDY.**

## **Education (10:35 – 12:20)**

### 5. MOD-032 Update

Mr. Thompson provided an update regarding MOD-032 Procedure Document and future Manual 14B revisions for data submittals. PJM will be sending newly proposed documents and changes prior to the May PC meeting for feedback and revisions.

### 6. NERC/RRO Update

Mr. Kuras provided the Planning Committee with an update on recent NERC activities and PJM compliance activities. The Ballot and comments are due for standards PRC-004-5 and PRC-010-2 regarding Project 2008-02.2 Phase 2 of Under voltage Load Shedding Misoperations by 4/7. The Ballot and comments are due for standard CIPS-014-2 regarding Project 2014-04 Physical Security by 4/9. The informal comments for standard PRC-005-4 regarding Project 2007-17.4 PRC-005 Order No. 803 Directive are due by 4/10. The informal comments for standard IRO-006 – East IRO-009 are due by 4/15.

### 7. TO Criteria Update

Mr. Leeming provided an update regarding ComEd's Planning Criteria changes. Bringing into conformity with the TPL-001-4 R2 through R4, ComEd has updated it's TO Criteria to not allow load to be shed for 345kV and above contingencies for bus faults or non-bus tie stuck breakers.

## 8. Light Load Criteria Update

Mr. Sims discussed next steps for light load criteria changes. PJM is requesting feedback regarding possible dispatch changes for coal, gas, and load for the light load base cases. Members requested using PROMOD case to forecast fuel costs to determine the dispatch. Members also suggested looking at gas dispatch for different types of units i.e. combine cycle types, peakers, etc.

## 9. Status of PJM interconnection Queues

Mr. Egan led a discussion on the status of the PJM's interconnection queues. Mr. Egan asked the members for feedback regarding interconnection queue statistics they would like review at upcoming PC meetings.

## 10. Load Forecast Development Work

Mr. Reynolds presented an overview of potential changes to the PJM load forecast model. Mr. Reynolds reviewed possible areas of improvement such as incorporating end-use data from EIA/Itron, weather representation, autoregressive error term, behind-the-meter solar generation. PJM will review potential changes with Load Analysis Subcommittee during the April 30<sup>th</sup> meeting. Recommendations to the Planning Committee will be made by the end of the 2<sup>nd</sup> quarter with Manual 19 language changes being sought in the 3<sup>rd</sup> quarter for incorporation into the 2016 Load Forecast.

## 11. PAR/FWR Charter

Mr. McGlynn reviewed the PAR/FWR Charter. A task force has been formed with Scott Baker being the facilitator and Jason Connell being the secretary.

### Future Agenda Items (0:00)

There were no future agenda times suggested.

### Future Meeting Dates

|                    |         |  |
|--------------------|---------|--|
| May 7, 2015        | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |
| June 11, 2015      | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |
| July 9, 2015       | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |
| August 13, 2015    | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |
| September 10, 2015 | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |
| October 8, 2015    | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |
| November 5, 2015   | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |
| December 3, 2015   | 9:30 AM | PJM Conference and Training Center, Valley Forge, PA |

Author: Amber Thomas

## Attendance

| Attendee                   | Company   |
|----------------------------|---|
| Patrick Hayes              | Ameren Control Area                                     |
| Kiran Thammineni           | Ameren Control Area                                     |
| Takis Laios                | American Electric Power                                 |
| Jerod Marker               | American Electric Power                                 |
| Chris Norton               | American Municipal Power, Inc.                          |
| Dale Burmester             | American Transmission Company, LLC                      |
| Mike Schlindwein           | American Transmission Company, LLC                      |
| Gary Fuerst                | American Transmission Systems, Inc.                     |
| Brock Ondayko              | Appalachian Power Company                               |
| Patricia Esposito          | Atlantic Grid Operations A, LLC                         |
| Markian Melnyk             | Atlantic Grid Operations A, LLC                         |
| David Bloom                | Baltimore Gas and Electric Company                      |
| Zelalem Tekle              | Baltimore Gas and Electric Company                      |
| James Jablonski            | Borough of Butler, Butler Electric Division             |
| Ron Pezon                  | Borough of Chambersburg                                 |
| Tony Lopez-Lopez           | Bryndan Associates                                      |
| Travis Bouslog             | Burns & McDonnell                                       |
| Jakob Metzler              | Castleton Commodities Merchant Trading L.P.             |
| Barry Trayers              | Citigroup Energy, Inc.                                  |
| Deral Danis                | CLEAN LINE ENERGY PARTNERS LLC                          |
| William Allen              | Commonwealth Edison Company                             |
| Shahmeer Khaliqdina        | Commonwealth Edison Company                             |
| Thomas Leeming             | Commonwealth Edison Company                             |
| Paul Mills                 | Commonwealth Edison Company                             |
| Ronald Regner              | Commonwealth Edison Company                             |
| Dermot Smyth               | Consolidated Edison Company of NY, Inc.                 |
| Dan Griffiths              | Consumer Advocates of PJM States                        |
| Guy Filomena               | Customized Energy Solutions, Ltd.*                      |
| Carl Johnson               | Customized Energy Solutions, Ltd.*                      |
| Jonathan Sasser            | Customized Energy Solutions, Ltd.*                      |
| John Horstmann             | Dayton Power & Light Company (The)                      |
| Hertzel Shamash            | Dayton Power & Light Company (The)                      |
| Mark Price                 | DC Energy Mid-Atlantic, LLC                             |
| Ruth Ann                   | DE Division of Public Advocate of the State of Delaware |
| John Farber                | DE Public Service Commission                            |
| Jaclyn Cantler             | Delmarva Power & Light Company                          |
| David Hastings             | DHast Co.   |
| Janhavi Dharmadhikari (ES) | Dominion Energy Marketing, Inc.                         |
| George Owens               | Downes Associates, Inc.                                 |
| Edward Kirschner           | Duke Energy Business Services LLC                       |
| Steve Steinkuhl            | Duke Energy Business Services LLC                       |
| Julie Mason                | Duke Energy Ohio, Inc.                                  |
| Judith Stubbe              | Duke Energy Ohio, Inc.                                  |
| Jason Harchick             | Duquesne Light Company                                  |
| Chad Hirsh                 | Duquesne Light Company                                  |

|                             |  |
|-----------------------------|--|
| Iker Chocarro Aguirrebengoa | E.ON Climate & Renewables North America, Inc.              |
| Chris Adams                 | East Kentucky Power Cooperative, Inc.                      |
| Darrin Adams                | East Kentucky Power Cooperative, Inc.                      |
| Nathan Bradley              | East Kentucky Power Cooperative, Inc.                      |
| Amanda Stacy                | East Kentucky Power Cooperative, Inc.                      |
| Bruce Campbell              | EnergyConnect, Inc.  |
| mariko meier                | EnerNOC  |
| Mariko Meier                | EnerNOC, Inc.  |
| Chris Rugh                  | EverPower Commercial Services, LLC                         |
| Andrew Tan                  | Eversource Energy  |
| Melanie Sanders             | Exelon Business Services Company, LLC                      |
| Rebecca Stadelmeyer         | Exelon Business Services Company, LLC                      |
| Audrey Lyke                 | Exelon Corporation   |
| Christopher Nekolny         | Exelon Generation Co                                       |
| Jim Benchek                 | FirstEnergy Solutions Corporation                          |
| Martin Bolan                | FirstEnergy Solutions Corporation                          |
| John Syner (FE)             | FirstEnergy Solutions Corporation                          |
| John Binh Nguyen            | Florida Power and Light                                    |
| Charles Vansant             | GenPower Coal III, LLC                                     |
| Derek Hagaman               | GT Power Group   |
| David Pratzon               | GT Power Group   |
| Bob Thomas                  | Illinois Municipal Electric Agency                         |
| Kenneth Foadare             | IMG Midstream LLC  |
| Alex Ma                     | Invenergy  |
| Brenda Prokop               | ITC Mid-Atlantic Development LLC                           |
| Robert Colozza              | LS Power Transmission, LLC                                 |
| Yan Du                      | LS Power Transmission, LLC                                 |
| Robert O'Connell            | Main Line Electricity Market Consultants                   |
| Ralph De Geeter             | Maryland Public Service Commission                         |
| Kevin Dean                  | McNees Wallace & Nurick LLC                                |
| David Mabry                 | McNees Wallace & Nurick LLC                                |
| Adam Solomon                | Midwest Independent Transm. Sys Op, Inc. (Credit Acct)     |
| Christin Domian             | Mitsubishi Electric Power Products Inc.                    |
| Allison Clements            | Natural Resources and Defense Council                      |
| George Kogut                | New York Power Authority                                   |
| Stephen Huntoon             | NextEra Energy Power Marketing, LLC                        |
| James Manning               | North Carolina Electric Membership Corporation             |
| pavan saija                 | Northern Indiana Public Services Company                   |
| Miles Taylor                | Northern Indiana Public Services Company                   |
| Neal Fitch                  | NRG Power Marketing LLC                                    |
| Yohannes Mariam             | Office of the Peoples Counsel for the District of Columbia |
| Steven Lieberman            | Old Dominion Electric Cooperative                          |
| Gregory Carmean             | OPSI   |
| Debbie Gebolys              | Other  |
| Annalee Grant               | Other  |
| John Kopinski               | Other  |
| P Jeffrey Palermo           | Other  |





Leonid Lyakhovich  
Rich Marinelli  
massamba samb  
Ming Zhou  
Don Morrow  
John Fernandes  
Tom Hoatson  
Joel Yu  
Rich Heidorn  
Suzanne Herel  
Andy Peebles  
Anuj Kapadia  
Todd Ryan  
Jack Halpern  
Syed Ahmad  
Jonathan Fernandez  
Alina Halay  
John Sillin  
Robert Snow  
Eric Sorber  
Adam Weber  
Ronnie Bailey  
Michael Batta  
James Wilson  
Mike Jacobs

Public Service Electric & Gas Company  
Quanta Technology  
RES Americas, Renewable and Sustainable Energy  
Riverside Generating, LLC  
Rockland Electric Company  
RTO Insider  
RTO Insider  
Shell Energy North America (US), LP  
Smart Wire Grid, Inc  
Smart Wire Grid, Inc.  
Stantec  
The Federal Energy Regulatory Commission  
UGI Utilities, Inc.  
Union Electric Company d/b/a Ameren Missouri  
Virginia Electric & Power Company  
Virginia Electric & Power Company  
Wilson Energy Economics  
Xtreme Power