DRAFT
Meeting Minutes
PJM Interconnection
PJM Planning Committee
PJM Conference and Training Center
Valley Forge, PA
June 5th, 2014
9:30 AM

Members Present:
David Canter AEP
Michele Gasper AEP
John Syner (FE) Allegheny Power
Patrick Hayes Ameren Control Area
Chris Norton American Municipal Power, Inc.
Mike Schlindwein American Transmission Company, LLC
Gary Fuerst American Transmission Systems, Inc.
Takis Laios Appalachian Power Company (AEP Transmission)
Mohamed El Gassier Atlantic Wind Connection
David Bloom Baltimore Gas and Electric Company
Ron Pezon Borough of Chambersburg
Barry Trayers Citigroup Energy, Inc.
Diana Rivera Cleanline energy
William Allen Commonwealth Edison Company
Thomas Leeming Commonwealth Edison Company
Rehan Gilani ConEdison Energy, Inc.
Carl Johnson Customized Energy Solutions, Ltd.*
John Horstmann Dayton Power & Light Company (The)
John Farber DE Public Service Commission
David Scarpignato Direct Energy Business, LLC
Janhavi Dharmadhikari Dominion Virginia Power
George Owens Downes Associates, Inc.
Steve Steinkuhl Duke Energy Business Services LLC
Judith Stubbe Duke Energy Ohio, Inc. (EDC)
Jason Harchick Duquesne Light Company
Darrin Adams East Kentucky Power Cooperative, Inc.
Chuck Dugan East Kentucky Power Cooperative, Inc.
Jason Banker Exelon
Melanie Sanders Exelon Business Services Company, LLC
Ron Chu Exelon Generation Co., LLC
Michelle Henry FirstEnergy
Gavin Cunningham FirstEnergy Corporation
David Marton FirstEnergy Corporation
Thomas Bainbridge FirstEnergy Solutions Corp.
Jim Benchek FirstEnergy Solutions Corporation
David Pratzon GT Power Group
James Nash
Hudson Transmission Partners, LLC
Kenneth Foladare
IMG Midstream LLC
Edward Tsikirayi
Long Island Lighting Company
George Kogut
New York Power Authority
John Deese
NextEra Energy Services New Jersey, LLC
Jodi Walters
NiSource Inc.
Neal Fitch
NRG Power Marketing LLC
Steven Lieberman
Old Dominion Electric Cooperative
Wil Burns
Other
Bill Burt
Other
Guy Filomena
Other
Amy Fisher
Other
John Kopinski
Other
William Kouam Kamwa
Other
Gregory Mac Elise
Other
James Wilson
PJM Connect
Juliana Brint
Platts
Vincent Cuce
PPL Electric Utilities Corp. dba PPL Utilities
Lisa Krizenoskas
PPL Electric Utilities Corp. dba PPL Utilities
Michele Greening
PPL EnergyPlus, L.L.C.
Kenneth Carretta
PSEG Energy Resources and Trade LLC
Esam Khadr
Public Service Electric & Gas Company
James Jablonski
Public Service Electric & Gas Company
Tom Hoatson
Riverside Generating, LLC
Deral Danis
Rock Island Clean Line LLC
Roleto Mangonon
Rockland Electric Company
Kishan Patel
Rockland Electric Company
Rich Heidorn
RTO Insider
David Jwanier
RTO Insider
Andy Peebles
Saracen Energy East LP
Gerry Binder
SESCO Enterprises LLC
Ronnie Bailey
Virginia Electric & Power Company

PJM Staff Present:

Steve Herling, Chairman
PJM Interconnection, LLC
Mushin Abdurrahmah
PJM Interconnection, LLC
Francis Barret
PJM Interconnection, LLC
Aaron Berner
PJM Interconnection, LLC
Robert Eckenrod
PJM Interconnection, LLC
David Egan
PJM Interconnection, LLC
Tom Falin
PJM Interconnection, LLC
Andy Ford
PJM Interconnection, LLC
Sue Glatz
PJM Interconnection, LLC
Gary Helm
PJM Interconnection, LLC
Michael Herman
PJM Interconnection, LLC
1. ADMINISTRATION

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 then asked Ms. Thomas to call the roll. Then Ms. Thomas reviewed the meeting minutes of the May 8th, 2014 Planning Committee meeting. Mr. Chu then made a motion to approve the minutes. Mr. Pratzon seconded the motion. In a voice vote, the Planning Committee approved the May 8th, 2014 Planning Committee minutes.

C. Mr. Herman provided an update regarding the Energy Storage Participation in RPM Group. There haven’t been any meetings since the last one held on 4/30. The next meeting will be held on 6/10. This meeting will continue to develop rules leading to the participation of energy storage resources into RPM. All suggestions or inquiries should be emailed to Michael.Herman@pjm.com.

D. Ms. Miehlke provided an update from the Smart Inverter group. The education sessions are now complete. More members are asked to participate. The next meeting will be on June 11th.

E. Mr. Sims discussed the timing and content of the upcoming 2014 RTEP Proposal Window. The draft baseline, generation deliverability, and load deliverability analyses have been posted to PJM.com for review by the window participants. The TOs are in the quality control check phase for the N-1-1 analysis. Once the quality control check is finished, PJM will announce the opening of the 2014 RTEP Proposal Window. PJM will post the upgrade proposal template for incremental upgrades to existing facilities that would resolve identified issues found in the analyses.

F. Mr. Eckenrod provided an update regarding the Small Generator Interconnection Procedures. The compliance filing for Order 792 is due by August 4th. With the compliance filing coming up, a webinar will be setup to provide background and education to members in late June. Depending on the feedback back in June, another may be scheduled in July.

2. NERC/RRO UPDATE

Mr. Kuras provided the Planning Committee with an update on recent NERC activities and PJM compliance activities. Initial Ballot and comments are due for the PRC-026-1 standard relating to Project 2010-13.3 Phase 3 of Relay Loadability by 6/09. The ballot and comments are due for PRC-002-2 standard relating to Project 2007-11 – Disturbance Monitoring by 6/23. The ballot and comments are due for PRC-004-3 standard relating to Project 2010-
05.1 Protection System Misoperations by 6/30. The ballot and comments are due for Project 2014-03 Revisions to TOP and IRO Standards by 7/2.

3. **NERC BES DEFINITION CHANGE**

Mr. Ford discussed the recent NERC BES definition change. PJM Compliance Bulletin CB014 has been posted as a notification to PJM members. The revised BES definition is effective July 1, 2014. The revised definition focuses on equipment rated 100kV and now includes equipment rated below 100kV. The bulletin gives background regarding filing an exception request for equipment that may no longer be considered BES. All questions and comments should be sent to Regional Compliance and DMS Officers.

4. **GEOMAGNETIC DISTURBANCES STANDARDS UPDATE**

Mr. Koza provided an update regarding the development of planning standards on Geomagnetic Disturbances.

5. **EIPC GAS/ELECTRIC COORDINATION STUDY UPDATE**

Mr. Helm provided an update regarding the on-going Gas/Electric System Interface study. The baseline systems draft report has been posted. The Infrastructure Capability and Contingency Analysis are currently being evaluated, which has a completion date of late July. Work is ongoing with pipelines and LDCs to obtain gas sector information analysis. The next meeting will be held June 25th and June 26th.

6. **WINTER FORCED OUTAGE RATE ANALYSIS**

Mr. Falin discussed the winter forced outage rate analysis. Given the winter 2014 events, PJM is performing analysis of winter generation performance which will focus on weather-related forced outages and gas curtailments. This analysis will be a 2019/2020 study. Correlations between winter conditions and generation forced outages are being studied on a TO zonal basis. This approach is different than the currently assumed random forced outage rate which is held constant throughout each season of the year. As patterns are established between winter conditions and generation outages, some planning procedures and assumptions may need to be revised.

7. **MANUAL 14B CHANGES FOR COST ALLOCATION**

Mr. Sims provided a first read of changes to cost allocation section in Manual 14B. Manual 14B is being updated to reflect the current approved of cost allocation methodology as described in the PJM OATT. A first read will also be held at the MRC on June 26th. PJM is asking for member feedback regarding these changes. If no significant change is suggested, Mr. Sims will be back in July seeking endorsement.

8. **MANUAL 14A CHANGES FOR INTERIM DELIVERABILITY STUDIES**

Mr. Berner provide a first read regarding changes to how the interim deliverability studies are conducted as outlined in Manual 14A. Project requesting an in-service date earlier than the date of the case year studied on will need to be evaluated to determine if any network reinforcements are needed to accommodate this request. Should a network reinforcement not be available during the year a project requests to be in-service, the project will have an interim deliverability study conducted to determine what output can be made onto the system without the upgrades being built. PJM is requesting feedback for these changes.

9. **FUTURE AGENDA ITEMS**
There were no future agenda times suggested.

10. **FUTURE MEETING DATES**

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<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
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<tbody>
<tr>
<td>Thursday, July 10, 2014</td>
<td>9:30 AM</td>
<td>PJM Conference and Training Center, Valley Forge, PA</td>
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<tr>
<td>Thursday, August 7, 2014</td>
<td>9:30 AM</td>
<td>PJM Conference and Training Center, Valley Forge, PA</td>
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<tr>
<td><strong>Tuesday, September 2, 2014</strong></td>
<td>9:30 AM</td>
<td><strong>PJM Conference and Training Center, Valley Forge, PA</strong></td>
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<td>Thursday, October 9, 2014</td>
<td>9:30 AM</td>
<td>PJM Conference and Training Center, Valley Forge, PA</td>
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<td>Tuesday, November 4, 2014</td>
<td>9:30 AM</td>
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<td>Thursday, December 4, 2014</td>
<td>9:30 AM</td>
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Author: Amber Thomas, PJM  
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Final: 7/11/2014  
CERA: D796941