Planning Committee  
PJM Interconnection  
May 7, 2015  

Administration  

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. Members did request that the PAR Charter endorsement be sought at a later time since the material was not made available 3 days in advance of the Planning Committee May 7th meeting.  

B. Mr. Herling asked Ms. Thomas to review the meeting minutes of the April 9, 2015 Planning Committee meeting. Mr. Pratzon then made a motion to approve the minutes. Mr. Trayers seconded the motion. In a voice vote, the Planning Committee approved the April 9, 2015 Planning Committee minutes  

C. Mr. Koza discussed Order 1000 Lessons Learned upcoming meeting material. The next meeting on May 14th will cover topics such as proposal template, redaction guidelines, TO standards, voltage threshold, and process documentation.  

D. Mr. Sims discussed the 2015 RTEP Proposal Window. The first proposal is anticipated to include the Baseline, Generation Deliverability, Common Mode Outage, Load Deliverability, and N-1-1 thermal analyses. The first proposal window has a target open date of early June and PJM will update the TEAC as the date approaches.

Endorsements/Approvals  

2. PAR Charter  

Mr. Berner discussed next steps for the Phase Angle Regulator Task Force (PARTF). The next meeting will be held on Thursday, May 14th. Mr. Berner will seek endorsement of PAR Transmission Injection and Withdrawal Rights Charter at the June 11th Planning Committee.

First Readings  

3. MOD-032 Procedure Document  

Mr. Thompson provided a first read of MOD-032 Procedure Document. The MOD-032 Procedure Document details system topology information that the TOs, GOs, and LSEs will be required to submit to PJM by July 1, 2016 to be compliant with MOD-032 Requirement 2.  

6. AA2-Queue Submittal Review  

Mr. Egan provided a first read of the problem statement and issue charge for incentivizing earlier queue submittals. Mr. Egan discussed the timeline of submittals for the AA2 queue. Mr. Egan
explained the negative impacts of receiving new generation interconnection requests right before the deadline.

**Education**

4. NERC/RRO Update

Mr. Kuras provided the Planning Committee with an update on recent NERC activities and PJM compliance activities. The comments are due for standards EOP-004-2, EOP-005-2, EOP-006-2 and EOP-008-1 regarding Project 2015-02 Periodic Review of Emergency Operations by 5/11. The Ballot and comments are due for standard PRC-027-1 regarding Project 2007-06 System Protection Coordination by 5/15. The ballot and comments for standard MOD-031-1 regarding Project 2010-031 FERC Order No. 804 Directives MOD-031 - SAR are due by 5/15. NERC Standards subject to future enforcement can be found under the May 7th Planning Committee Material.

5. Light Load Criteria Update

Mr. Sims discussed the historical light load outputs for generation dispatch and load. Mr. Sims provided assumption recommendations for load levels and the dispatch of coal, gas, and wind units to reflect historical trends. Sensitivity studies of new assumptions will be performed to determine the power flow impacts and the results will be shared with the PC.

7. EMUSTF Update

Mr. Keech reviewed the MRC assignment to develop rules to incorporate uplift as an input to the RTEP. In addition, he provided an overview of the historic drivers for energy market uplift. Mr. Keech discussed that the MRC wants the Planning Committee to determine if there is a better way to allocate uplift cost, minimize uplift impacts, and reliably plan for it. Members suggested using the reactive support of generators to help uplift impacts.

8. Dynamic Load Modeling

Mr. Sims reviewed new Dynamic Load modeling criteria. TOs will be required to submit Dynamic Load models effective January 1, 2016 to be compliant with TPL-001-4 R2.4.1. Mr. Sims discussed the PSSE/E model types that are acceptable. Members asked PJM to determine model types that PSLF users could submit.

9. Regional Planning Process Senior Task Force (RPPTF) Update

Mr. Barrett provided an update regarding RPPTF activities. Mr. Barret discussed Generation Interconnection as a driver to the Multi – Driver Approach (MDA) projects. Mr. Barret reviewed examples of how Generation Interconnection projects could change the scope of existing baseline projects leading to MDA. Mr. Barret is requesting feedback from stakeholders regarding creating guidelines for MDA projects.
Future Agenda Items

There were no future agenda items suggested.

Future Meeting Dates

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>June 11, 2015</td>
<td>9:30 AM</td>
<td>PJM Conference and Training Center, Valley Forge, PA</td>
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<tr>
<td>July 9, 2015</td>
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<td>August 13, 2015</td>
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<td>September 10, 2015</td>
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<td>October 8, 2015</td>
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<td>November 5, 2015</td>
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<tr>
<td>December 3, 2015</td>
<td>9:30 AM</td>
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Attendance

<table>
<thead>
<tr>
<th>Attendees</th>
<th>Company Name</th>
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</thead>
<tbody>
<tr>
<td>Steven Herling</td>
<td>PJM Interconnection, LLC</td>
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<tr>
<td>Amber Thomas</td>
<td>PJM Interconnection, LLC</td>
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<tr>
<td>David Canter</td>
<td>American Electric Power</td>
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<tr>
<td>Kiran Thammineni</td>
<td>Ameren</td>
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<tr>
<td>Nick Koehler</td>
<td>American Electric Power</td>
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<tr>
<td>Takis Laios</td>
<td>American Electric Power</td>
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<tr>
<td>Jerod Marker</td>
<td>American Electric Power</td>
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<tr>
<td>Lisa McAlister</td>
<td>American Municipal Power, Inc.</td>
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<tr>
<td>Chris Norton</td>
<td>American Municipal Power, Inc.</td>
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<tr>
<td>Mike Schlindwein</td>
<td>American Transmission Company, LLC</td>
</tr>
<tr>
<td>Dale Burmester</td>
<td>American Transmission Company, LLC</td>
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<tr>
<td>Brock Ondayko</td>
<td>Appalachian Power Company</td>
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<tr>
<td>Kevin Patten</td>
<td>Appalachian Power Company</td>
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<tr>
<td>Craig Lockwood</td>
<td>Appalachian Power Company</td>
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<tr>
<td>Pati Esposito</td>
<td>Atlantic Grid Operations A, LLC</td>
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<tr>
<td>Markian Melnyk</td>
<td>Atlantic Grid Operations A, LLC</td>
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<tr>
<td>Deniz Ozkan</td>
<td>Atlantic Wind Connection (AWC)</td>
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<tr>
<td>Zelalem Tekle</td>
<td>Baltimore Gas and Electric Company</td>
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<tr>
<td>James Jablonski</td>
<td>Borough of Butler, Butler Electric Division</td>
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<tr>
<td>Ron Pezon</td>
<td>Borough of Chambersburg</td>
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<tr>
<td>travis bouslog</td>
<td>Burns &amp; McDonnell</td>
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<tr>
<td>David Scarpignato</td>
<td>Calpine Energy Services, L.P.</td>
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<tr>
<td>Jakob Metzler</td>
<td>Castleton Commodities Merchant Trading L.P.</td>
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<tr>
<td>Barry Trayers</td>
<td>Citigroup Energy, Inc.</td>
</tr>
<tr>
<td>Deral Danis</td>
<td>CLEAN LINE ENERGY PARTNERS LLC</td>
</tr>
</tbody>
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### Draft Minutes

- **connie davis** - Cleveland Public Power
- **Paul Mills** - Commonwealth Edison Company
- **William Allen** - Commonwealth Edison Company
- **Thomas Leeming** - Commonwealth Edison Company
- **Ronald Regner** - Commonwealth Edison Company
- **Rehan Gilani** - ConEdison Energy, 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)
- **Mike Hurd** - Dayton Power & Light Company (The)
- **Mark Price** - DC Energy Mid-Atlantic, LLC
- **John Farber** - DE Public Service Commission
- **Jaclyn Cantler** - Delmarva Power & Light Company
- **Prashanth Buyanni** - DNV GL
- **George Owens** - Downes Associates, Inc.
- **Steve Steinkuhl** - Duke Energy Business Services LLC
- **Judith Stubbe** - Duke Energy Ohio, Inc.
- **Jason Harchick** - Duquesne Light Company
- **Chris Such** - E.ON Climate & Renewables
- **Chris Adams** - East Kentucky Power Cooperative, Inc.
- **Darrin Adams** - East Kentucky Power Cooperative, Inc.
- **Nathan Bradley** - East Kentucky Power Cooperative, Inc.
- **Chuck Dugan** - East Kentucky Power Cooperative, Inc.
- **Andrew Tan** - Eversource Energy
- **Roozbeh Shegarfi** - Exelon
- **Jason Barker** - Exelon Business Services Company, LLC
- **Melanie Sanders** - Exelon Business Services Company, LLC
- **Syed Ahmad** - Federal Energy Regulatory Commission
- **Thomas Bainbridge** - FirstEnergy Solutions Corporation
- **Jim Benchek** - FirstEnergy Solutions Corporation
- **Martin Bolan** - FirstEnergy Solutions Corporation
- **David Marton** - FirstEnergy Solutions Corporation
- **Jeff Stuchell** - FirstEnergy Solutions Corporation
- **John Syner (FE)** - FirstEnergy Solutions Corporation
- **Amy Fisher** - GE Energy Financial Services
- **Charles Vansant** - GenPower Coal III, LLC
- **Derek Hagaman** - GT Power Group
- **David Pratzon** - GT Power Group
Draft Minutes

Randy Rismiller  Illinois Commerce Commission
Bob Thomas  Illinois Municipal Electric Agency
Thomas Piascik  IMG Midstream LLC
Kenneth Foladare  IMG Midstream LLC
Brenda Prokop  ITC Mid-Atlantic Development LLC
Yan Du  LS Power Transmission, LLC
Robert O'Connell  Main Line Electricity Market Consultants
Ralph De Geeter  Maryland Public Service Commission
David Mabry  McNees Wallace & Nurick LLC
Adam Solomon  Midwest Independent Transm. Sys Op, Inc. (Credit Acct)
Christin Domian  Mitsubishi Electric Power Products Inc.
Felicia Thomas-Friel  New Jersey Division of Rate Counsel
George Kogut  New York Power Authority
David Davis  Nextera Energy
James Manning  North Carolina Electric Membership Corporation
Neal Fitch  NRG Power Marketing LLC
Steven Lieberman  Old Dominion Electric Cooperative
Gregory Carmean  Organization of PJM States, Inc. (OPSI)
John Kopinski  Other
iris boci  PECO Energy Company
Kyle Clifford  PECO Energy Company
Mike Donnelly  PECO Energy Company
Pulin Shah  PECO Energy Company
Dhruv Acharya  PEPCO Holdings, Inc.
Patricia Kurowski  PEPCO Holdings, Inc.
Rich Heidorn  RTO Insider
Aaron Berner  PJM Interconnection, LLC
Daniel Coll  PJM Interconnection, LLC
David Egan  PJM Interconnection, LLC
Tom Falin  PJM Interconnection, LLC
Jacob Grande  PJM Interconnection, LLC
Tim Horger  PJM Interconnection, LLC
Eric Hsia  PJM Interconnection, LLC
Adam Keech  PJM Interconnection, LLC
Charles Liebold  PJM Interconnection, LLC
amber thomas  PJM Interconnection, LLC
Scott Baker  PJM Interconnection, LLC
Francis Barrett  PJM Interconnection, LLC
Z Fan  PJM Interconnection, LLC
Suzanne Glatz  PJM Interconnection, LLC

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