Meeting Minutes
PJM Interconnection
Energy Storage Resources in RPM Discussion
PJM Conference and Training Center
Valley Forge, PA
March 26th, 2014
2:00 PM

Members Present:

Tom Rutigliano Achieving Equilibrium LLC
William Kouam Kamwa AEP
Praveen Kathpal AES Energy Storage, LLC
Takis Laios American Electric Power
Joseph Kerecman Calpine Energy Services, L.P.
Stewart Harris Carmen Group Inc.
William Allen Commonwealth Edison Company
Thomas Kay Commonwealth Edison Company
Rehan Gilani ConEdison Energy, Inc.
Judith Judson McQueeney Customized Energy Solutions, Ltd.
Carl Johnson Customized Energy Solutions, Ltd.
Guy Filomena Customized Energy Solutions, Ltd.
John Horstmann Dayton Power & Light Company
John Farber DE Public Service Commission
Pamela Knotts DE Public Service Commission
Michael Marchand Direct Energy Business, LLC
David Scarpignato Direct Energy Business, LLC
Mingwei Chen Dominion Energy Marketing, Inc.
Rick Feierabend Dominion Virginia Power
Jeff Currier Dominion Virginia Power
Kenneth Jennings Duke Energy Business Services LLC
Jason Harchick Duquesne Light Company
Jason Cox Dynegy Power Marketing, Inc
Edgardo Manansala East Kentucky Power Cooperative, Inc.
Katherine Hamilton Energy Storage Association
Bruce Campbell EnergyConnect, Inc.
Ron Chu Exelon Generation
David Marton FirstEnergy Corporation
Grant Marchewka FirstEnergy Corporation
Michele Somerday FirstEnergy Corporation
Eva Gardow, FirstEnergy Corporation
Michael Borgatti, Gable and Associates
Neal A. Fitch, GenOn Energy Management, LLC
John Webster, Icetec.com, Inc.
Dennis Worthem, Independent Observer from Ohio
David Johnston, Indiana Utility Regulatory Commission
Jason Minalga, Invenergy LLC
Kenneth Foladare, Iron Mountain Generation LLC
Robert O’Connell, JPMorgan Ventures Energy Corporation
Ralph De Geeter, Maryland Public Service Commission
Kevin Dean, McNees Wallace & Nurick LLC
Christin Domian, Mitsubishi Electric Power Products Inc.
Vijay Singh, NextEra Energy
Yohannes Mariam, Office of the Peoples Counsel for the District of Columbia
Fred Heizer, Ohio PUC
Melanie Santiago-Mosier, Other
John Brodbeck, Potomac Electric Power Company
Michele Greening, PPL EnergyPlus, L.L.C.
John Citrolo, PSEG
Walt Sparrow-Hood, PSEG
Michael LaFalce, PSEG Energy Resources and Trade LLC
John Fernandes, RES Americas
Tom Hoatson, Riverside Generating, LLC
Raghu Sudhakara, Rockland Electric Company
Roleto Mangonon, Rockland Electric Company
Austin Zeller, Steffes Corporation
Barbara Scoglietti, Tangent Energy Solutions, Inc.
Louis Slade, Virginia Electric & Power Company

**PJM Staff Present:**

Michael Herman, Facilitator, PJM Interconnection, LLC
Aaron Berner, PJM Interconnection, LLC
Dave Pomian, PJM Interconnection, LLC
David Anders, PJM Interconnection, LLC
Ed Hoey, PJM Interconnection, LLC
Jeremy Lin, PJM Interconnection, LLC
Jerry Bell, PJM Interconnection, LLC
Jim Glennon, PJM Interconnection, LLC
Jim Kirby, PJM Interconnection, LLC
1. **ADMINISTRATION**

   Mr. Herman called the meeting to order and then asked Mr. Quevada to call the roll. Mr. Herman then asked for additional items for the agenda, and there were no suggestions.

2. **DISCUSS TARGETED WORK PLAN**

   Mr. Herman reviewed a targeted work plan for the discussion. The plan roughly calls for monthly meetings until August 2014, leaving time for any recommended proposal to be implemented for the May 2015 Base Residual Auction.

3. **EDUCATION BASED ON ACTION ITEM FROM PREVIOUS MEETING**

   A. Mr. Herman reviewed the definition of a capacity resource as defined in the Reliability Assurance Agreement.

   B. PJM led a discussion on the Pumped Hydro model and how it schedules and operates the resources as well as the reasoning behind the 10 hours of operations regarding pumped hydro resources.

4. **INTEREST IDENTIFICATION**

   PJM continued the ongoing discussion regarding interest identification. PJM has posted the completed interest identification spreadsheet on the meeting’s website.

5. **DESIGN COMPONENTS**

   Mr. Herman provided a short presentation on developing design components. PJM gathered initial design components from the members, and will continue to solicit further design components in future meetings. PJM will make available the initial design component matrix on the meeting’s website.

6. **FUTURE MEETINGS**

   April 30, 2014 10:00 am-12:00 pm Webinar/CTC, Norristown, PA

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Author: Jason Quevada, PJM
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