



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

Members Present:

Marco Ferrara	24M Technologies, Inc.
Tom Rutigliano	Achieving Equilibrium LLC
Praveen Kathpal	AES Energy Storage, LLC
Takis Laios	American Electric Power
Chris Norton	American Municipal Power, Inc.
Gary Fuerst	American Transmission Systems, Inc.
Brock Ondayko	Appalachian Power Company
Marija Prica	Booz Allen Hamilton
Andrew Kaplan	Brown Rudnick LLP
Joseph Kerecman	Calpine Energy Services, L.P.
Stewart Harris	Carmen Group Inc.
Rehan Gilani	ConEdison Energy, Inc.
Dann Price	Constellation NewEnergy, Inc.
Benjamin Levy	Constellation NewEnergy, Inc.
Dan Griffiths	Consumer Advocates of PJM States
Raj Chintapalli	Customized Energy Solutions
Bill Dugan	Customized Energy Solutions, Ltd.
Judith Judson McQueeney	Customized Energy Solutions, Ltd.
John Horstmann	Dayton Power & Light Company
John Farber	DE Public Service Commission
Janhavi Dharmadhikari (ES)	Dominion Energy Marketing, Inc
Catharine Lacy	Dominion Virginia Power
Rick Feierabend	Dominion Virginia Power
Jeff Currier	Dominion Virginia Power
Emily Wilmoth	Dominion Virginia Power
George Owens	Downes Associates, Inc.
Kenneth Jennings	Duke Energy Business Services LLC
Steve Steinkuhl	Duke Energy Business Services LLC
Spencer Hanes	Duke Energy Business Services LLC
Jason Harchick	Duquesne Light Company



Jason Cox	Dynegy Power Marketing, Inc
Edgardo Manansala	East Kentucky Power Cooperative, Inc.
Chuck Dugan	East Kentucky Power Cooperative, Inc.
Katherine Hamilton	Energy Storage Association
Bruce Campbell	EnergyConnect, Inc.
Rebecca Stadelmeyer	Exelon Business Services Company, LLC
Ron Chu	Exelon Generation
David Marton	FirstEnergy Corporation
Martin Bolan	FirstEnergy Corporation
Michael Borgatti	Gable and Associates
David Pratzon	GT Power Group
Alex Ma	Invenergy
Kenneth Foladare	Iron Mountain Generation LLC
Robert O'Connell	JPMorgan Ventures Energy Corporation
Kevin Dean	McNees Wallace & Nurick LLC
Christin Domian	Mitsubishi Electric Power Products Inc.
Skyler Marzewski	Monitoring Analytics, LLC
Richard Baxter	Mustang Prairie
Larry Barth	New Jersey Resources
Vijay Singh	NextEra Energy
Nicole Sitaraman	Office of the Peoples Counsel for the District of Columbia
Michele Greening	PPL EnergyPlus, L.L.C.
John Fernandes	RES Americas
Tom Hoatson	Riverside Generating, LLC
Roleto Mangonon	Rockland Electric Company
Eric Wolf	SNL
Barbara Scoglietti	Tangent Energy Solutions, Inc.
Louis Slade	Virginia Electric & Power Company
Mike Jacobs	Xtreme Power

PJM Staff Present:

Michael Herman, Facilitator	PJM Interconnection, LLC
Aaron Berner	PJM Interconnection, LLC
Adrien Ford	PJM Interconnection, LLC
David Hislop	PJM Interconnection, LLC
David Pomian	PJM Interconnection, LLC
Jeremy Lin	PJM Interconnection, LLC
Jerry Bell	PJM Interconnection, LLC
Joseph Ciabattoni	PJM Interconnection, LLC
Scott Baker	PJM Interconnection, LLC



Tom Falin
Andrew Gledhill, Secretary

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1. ADMINISTRATION

- A. Mr. Herman called the meeting to order and then asked Mr. Gledhill to call the roll. Mr. Herman then asked for additional items for the agenda, and there were no suggestions.
- B. Mr. Herman gave an overview of process and meeting logistics, explaining that the group would be using the CBIR "lite" process.

2. REVIEW OF PROBLEM STATEMENT AND ISSUE CHARGE

- A. Mr. Herman reviewed the Problem/Opportunity Statement and Issue Charge. The goal is to have consensus on a single proposal (Tier I). Failing that, the group may put forth multiple proposals (Tier II).
- B. Ms. Hamilton from the Energy Storage Association made a prepared statement outlining their support for Energy Storage in the Reliability Pricing Market (RPM) program.

3. 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.

4. EDUCATION

- A. Mr. Herman reviewed the CBIR "lite" process which will be followed in this group. The group will ultimately report up through parent committees with Tier I or II proposal(s), with them typically requiring one to two meetings for review and approval. Within the group, no voting will take place, only polling.
- B. Mr. Ciabattone led a discussion of the Frequently Asked Questions document, with stakeholders asking clarifying questions.

5. INTEREST IDENTIFICATION

PJM led a discussion on interest identification. PJM will make available the interest identification spreadsheet on the meeting's website, and will continue to solicit further interests from stakeholders.



6. ACTION ITEMS

Through discussion, several action items (and questions) were identified for PJM to discuss in future meetings:

- What is a Capacity Resource?
- What was the reason for the focused interest on 10 hours of operation for pumped hydro resources?
- Education on the Pumped Hydro model of scheduling/operation and how it might apply to energy storage resources.

7. FUTURE MEETINGS

March 26, 2014

2:00-4:00 pm

Webinar/CTC, Norristown, PA

Author: Andrew Gledhill, PJM
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