



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 Foldare	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



Mike Bryson	PJM Interconnection, LLC
Mike Ward	PJM Interconnection, LLC
Murty Bhavaraju	PJM Interconnection, LLC
Stu Bresler	PJM Interconnection, LLC
Tom Falin	PJM Interconnection, LLC
Jason Quevada, Secretary	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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