

Intermittent Resource Subcommittee
PJM Conference and Training Center
March 7, 2016
1:00 p.m. – 3:00 p.m. EPT

Administration

Mr. Ken Schuyler opened the meeting and reviewed the Agenda.

Mr. Joseph Carl reviewed the Anti-Trust and Code of Conduct and performed the roll call.

The meeting minutes from the November 23, 2015 meeting were approved.

Education

Mr. Tom Falin provided a presentation on ICAP and CIR Determinations of Intermittent Resources. PJM proposes to publish new class averages based on various types of wind and solar units. The class averages apply to new resources or existing resources that have not yet accumulated three years of operating data and will be posted on pjm.com rather than in Manual 21 and would be used for the 2017/2018 delivery year.

Mr. Jeff Bastian provided information on Capacity Performance/Aggregated Offers. Capacity Performance Resources must be capable of sustained, predictable operation that allows the resource to be available to provide energy and reserves during performance assessment hours throughout the delivery year. Base Capacity Resources must be capable of providing energy and reserves during hot weather operations. Resources which may not alone meet the requirements of Capacity Performance may combine their capabilities and offer as a single aggregated resource.

Ms. Risa Holland reviewed the upcoming Day-ahead Market timing changes that will be effective April 1, 2016.

Ms. Risa Holland provided a status update on the transition from eMKT to Markets Gateway. A quick start guide will be available on pjm.com to assist members in performing tasks in Markets Gateway.

Mr. Ken Schuyler outlined two recent problem statements from the January 28, 2016 MRC meeting. (1) Concern about the ability of certain resources with different seasonal availabilities to participate at meaningful levels as Capacity Resources to be studied by the new Seasonal Resource Task Force headed by PJM's Scott Baker. (2) Distributed Resources in PJM have been on the increase and warrants PJM stakeholder consideration on the most effective and least cost solution to integrate these systems into the PJM market. This issue will be facilitated by a new subgroup headed by Dave Anders.

Mr. Ken Schuyler reviewed PJM Wind Curtailment Statistics.

Mr. Joe Mulhearn provided an update on the progress for Solar Power Forecasts in PJM. Final reviews of RFPs are underway, with expectation to notify winning vendor in 2Q 2016 with expectation for forecasts to begin by 4Q 2016.

Future Agenda Items

None at this time.

Future Meeting Dates

June 6, 2016	1:00 p.m.	PJM Conference & Training Center/ WebEx
September 19, 2016	1:00 p.m.	PJM Conference & Training Center/ WebEx
December 7, 2016	1:00 p.m.	PJM Conference & Training Center/ WebEx

Author: Joseph M. Carl

Antitrust:

You may not discuss any topics that violate, or that might appear to violate, the antitrust laws including but not limited to agreements between or among competitors regarding prices, bid and offer practices, availability of service, product design, terms of sale, division of markets, allocation of customers or any other activity that might unreasonably restrain competition. If any of these items are discussed the chair will re-direct the conversation. If the conversation still persists, parties will be asked to leave the meeting or the meeting will be adjourned.

Code of Conduct:

As a mandatory condition of attendance at today's meeting, attendees agree to adhere to the PJM Code of Conduct as detailed in PJM Manual M-34 section 4.5, including, but not limited to, participants' responsibilities and rules regarding the dissemination of meeting discussion and materials.

In-Person Attendees:

Schuyler	Ken	PJM Interconnection, LLC	Not Applicable
Carl	Joseph	PJM Interconnection, LLC	Not Applicable
Falin	Tom	PJM Interconnection, LLC	Not Applicable
Holland	Risa	PJM Interconnection, LLC	Not Applicable
Weiss	Glenn	PJM Interconnection, LLC	Not Applicable
Hendrzak	Chantal-Aimee	PJM Interconnection, LLC	Not Applicable
Fabiano	Janelle	PJM Interconnection, LLC	Not Applicable
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Mulhearn	Joe	PJM Interconnection, LLC	Not Applicable

In Attendance via WebEx / Teleconference:

Anders	David	PJM Interconnection, LLC	Not Applicable
Benчек	Jim	FirstEnergy Solutions Corp.	Not Applicable
Bolan	Martin	FirstEnergy Solutions Corp.	Transmission Owner
Carmean	Gregory	OPSI	Not Applicable
Chocarro	Iker	E.ON Climate and Renewables	Generation Owner
Farber	John	DE Public Service Commission	Not Applicable
Feierabend	Rick	Dominion Virginia Power	Not Applicable
Filomena	Guy	Customized Energy Solutions, Ltd.*	Not Applicable
Foladare	Kenneth	IMG Midstream LLC	Generation Owner
Greening	Michele	Talen Energy Marketing, LLC	Generation Owner
Griffiths	Dan	Consumer Advocates of PJM States	Not Applicable
Hagaman	Derek	GT Power Group	Not Applicable
Hausman	Ezra	Ezra Hausman Energy and Environmental Economics	Not Applicable
Heise	Randi	Dominion Virginia Power	Not Applicable
Hoatson	Tom	Riverside Generating, LLC	Other Supplier
Jacobs	Mike	Xtreme Power	Not Applicable
Johnson	Carl	Customized Energy Solutions, Ltd.*	Not Applicable
Kilgallen	Kevin	Emerald Energy	Not Applicable
Labij	Christina	EcoGrove Wind LLC	Generation Owner
Lacy	Catharine	Dominion Virginia Power	Not Applicable
Leonard	Ryan	IBERDROLA RENEWABLES, LLC	Generation Owner
Ma	Alex	Invenergy, LLC	Generation Owner
Midgley	Sharon	Exelon Generation Company	Generation Owner
O'Connell	Robert	Main Line Electricity Market Consultants	Not Applicable
Ondayko	Brock	Appalachain Power Company	Transmission Owner
Peoples	John	Duquesne Light Company	Transmission Owner
Pratzon	David	GT Power Group	Not Applicable
Rugh	Chris	EverPower Commercial Services, LLC	Generation Owner
Sasser	Jonathan	Customized Energy Solutions, Ltd.*	Not Applicable
Scoglietti	Barbara	Tangent Energy Solutions, Inc.	Other Supplier
Seide	Richard	Apex Clean Energy	Not Applicable
Shields	Tom	IBERDROLA RENEWABLES, LLC	Generation Owner
Sitaraman	Nicole	Office of the Peoples Counsel for the District of Columbia	End User Customer
Slade	Louis	Virginia Electric & Power Company	Transmission Owner
Thomson	Heather	Mid-Atlantic Renewable Energy	Not Applicable
Vaudreuil	Greg	Mosaic Power	Other Supplier
Whitehead	Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier