

**Intermittent Resource Subcommittee**  
**PJM Conference and Training Center**  
**June 4, 2018**  
**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 March 5, 2018 meeting were approved.

## Education

Mr. Jeff Bastian reviewed the results of the 2021/2022 Base Residual Auction posted on May 23, 2018.. Clearing prices ranged from \$140 for the RTO to \$204 in the PSE&G Load Deliverability Area. 163,627 MW of unforced capacity were cleared which represented a reserve margin of 22%. Demand Response accounted for 11,126 of cleared megawatts, wind 1417 MW (increase of 529 MW over last BRA) and 570 MW of Solar (4x more than last BRA) The full 2021/2022 BRA report is available on [pjm.com](http://pjm.com).

Ms. Molly Mooney discussed the process of incorporating solar resources into the PJM Long Term Load Forecast. PJM utilizes a two step approach to address distributed solar generation in the long term load forecast. PJM back-casts hourly values by zone and adds these estimates to the unrestricted load. A contractor then develops a distributed solar generation forecast specific to PJM and derives a zonal solar impact at the peak. These values are then subtracted from the forecast created with the solar addbacks. Additional information and information on future enhancements is available under the Load Analysis Subcommittee on [pjm.com](http://pjm.com).

## Future Agenda Items

Mr. Schuyler stated that anyone who has any suggestions for future topics they would like to focus on should contact either himself or Mr. Carl.

## Future Meeting Dates

September 17, 2018	1:00 p.m.	WebEx
December 10, 2018	1:00 p.m.	WebEx

Author: Joseph M. Carl

**Antitrust:**



# Meeting Minutes

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
Bastian	Jeff	PJM Interconnection, LLC	Not Applicable
Mooney	Molly	PJM Interconnection, LLC	Not Applicable
Driscoll	MaryEllen	PJM Interconnection, LLC	Not Applicable

## In Attendance via WebEx / Teleconference:

Achaab	Ed	AEP Energy Partners, Inc	Other Supplier
Broadbeck	John	EDP Renewables North America, LLC	Other Supplier
Carmean	Greg	OPSI	Not Applicable
Chocarro	Iker	EON Climate and Renewables	Generation Owner
Dugan	Chuck	East Kentucky Power	Transmission Owner
Filomena	Guy	Customized Energy Solutions, Ltd	Not Applicable
Fitch	Neal	NRG Power Marketing LLC	Generation Owner
Ford	Adrien	Old Dominion Electric Cooperative	Not Applicable
Gahimer	Mike	Indiana Office of Utility Consumer Council	End Use Customer
Gilani	Rehan	ConEdison Energy Inc.	Other Supplier
Heinle	Erik	DC Office of the People's Council	End Use Customer
Hoatson	Tom	Riverside Generating LLC	Other Supplier
Horstmann	John	Dayton Power & Light Co.	Transmission Owner
Hsia	Eric	PJM Interconnection, LLC	Not Applicable
Jennings	Ken	Duke Energy Business Solutions	Generation Owner
Johnson	Carl	Customized Energy Solutions	Not Applicable
Leimann	John	Dominion Virginia Power	Not Applicable
Marton	David	First Energy Solutions Corp	Transmission Owner
Mayes	Shelly-Ann	North America Power Partners	Other Supplier
Ondayko	Brock	Appalachian Power	Transmission Owner
Pratzon	David	GT Power Group	Not Applicable
Robichaud	Donna	Genex	Not Applicable
Sasser	Jonathan	Customized Energy Solutions	Not Applicable
Shields	Tom	Iberdrola Renewables	Generation Owner
Whitehead	Jeffrey	Direct Energy Business Marketing, LLC	Other Supplier