

Noyes, Thomas G. (DNREC)

From: Egan, David M. <David.Egan@pjm.com>
Sent: Thursday, November 16, 2017 11:45 AM
To: Noyes, Thomas G. (DNREC)
Cc: Bastian, Jeff; Graff, Kenneth; Lee, Lori Murphy
Subject: RE: PJM/DNREC OSW WG

Tom,

Below are follow-up answers that I took as action items from the working group discussion yesterday:

- 1) The amount of Net Metered Resources (retail) now visible to PJM:
In the DELMARVA Power area: 177 MW (AC)
In Delaware: 89 MW (AC)
- 2) There was a question posed as to whether the off-shore wind Capacity Factor includes the 5-Coincident Peaks (CP) and the maintenance CP?

I answered that I was pretty certain that the 5 Coincident Peaks, which are weather driven, were within the period that the summer Capacity Factor was determined. I also stated that I did not believe maintenance CP was included, but agreed to follow-up and confirm both.

I can confirm that maintenance CP is not applied to wind farms. I also can confirm that last summer's five CPs occurred between June 1 - August 31 within the hours ending 3pm to 6 pm.

YEAR	DATE	HOUR ENDING
2017	7/21/2017	17
2017	7/20/2017	17
2017	7/19/2017	18
2017	6/13/2017	17
2017	6/12/2017	18

Additional information regarding coincident peaks. The tables below are based on the historical data of coincident peaks from 1998-2017 (Public data source: <http://www.pjm.com/planning/resource-adequacy-planning/load-forecast-dev-process.aspx>). There are four outliers in the full data set (highlighted below). Since the data are 100 data points the number of occurrences could also be percentage. The outliers show that a peak load event can occur between 1200-1300 and can persist up to one week beyond the end of August.

Month	Number of Peak Occurrences
Jun	11
July	49

Hour Ending	Number of Peak Occurrences
14	1 (6/26/98)
15	5

August	37
September	3 (9/1/2000, 9/5/2014, 9/3/2015)
Total	100

16	20
17	67
18	7
Total	100

Sincerely,

David M. Egan

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From: Egan, David M.

Sent: Tuesday, November 14, 2017 9:04 AM

To: Thomas Noyes

Cc: Bastian, Jeff; Graff, Kenneth; Lee, Lori Murphy

Subject: PJM/DNREC OSW WG

Tom,

Attached are the slides I propose to present tomorrow.

It took two slides to show the existing, under construction, and under study generation (totals and geographical locations).

I added a slide to show there are no major reliability projects, other than in northern DE.

A slide with wind data. I tried to capture all your questions regarding off-shore wind expected capability (annual, summer, winter).

Finally, the presentation ends with the RFP lessons learned.

Let me know if you need any changes.

Sincerely,

David M. Egan

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