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March 3, 2015

VIA ELECTRONIC FILING

Gail L. Mount
Chief Clerk
North Carolina Utilities Commission
430 N. Salisbury Street
Raleigh, North Carolina 27603

Re: Bladen Solar, LLC; Docket No. SP-5220, Sub 0

Dear Chief Clerk:

Enclosed for filing is the utility statement provided to Bladen Solar, LLC by Duke Energy Progress for the Application for a Certificate of Public Convenience and Necessity and Registration as a New Renewable Energy Facility. The statement has been marked as Application Exhibit 6 (iii).

Please contact me if you have any questions.

Sincerely,

/s/ E. Merrick Parrott

EMP:act

Enclosure

cc: Duke Energy Progress (w/encl.)

From: "Tharp, Scott E"

Date: February 25, 2015 at 11:56:53 AM PST

To: James Luster <jluster@pinegatedev.com>

Cc: "Canipe, Jennifer A" <Jennifer.Canipe@duke-energy.com>, "Dunn, Kathy" <Kathy.Dunn@duke-energy.com>

Subject: RE: Request for Utility Statement - Bladen Solar, LLC

James,

CPCN statements attached.

Thx
Scott

Scott Tharp
Duke Energy - Business Development Manager

OFFICIAL COPY

Mar 03 2015

Bladen Solar CPCN Statement

The proposed 50 MW Bladen Solar generation addition has been analyzed to determine the impact to DEP. It is prudent to analyze solar resources over a range of values for firm coincident capacity at the time of system peak. Assuming a 44% solar contribution to peak, the Bladen Solar facility will add approximately 0.9% of DEP's nominal reserves. DEP recognizes that the 44% coincident contribution to system peak for solar resources can vary. Therefore, should the peak contribution vary, for each 10% change to the coincident contribution of the solar resources, reserves vary approximately 0.2%.

In addition, this capacity impacts DEP's reserve margin by approximately 0.2%. Every 10% change in the coincident contribution to system peak equates to 0.04% of reserve margin.

For 2016, DEP's forecasted sales are 66,048 GWh. The collective generation impact of this solar facility would represent 0.16 % of the forecasted sales.

While alone, this facility does not have a significant impact on future DEP capacity needs, when combined with other QF facilities being submitted for CPCN, the impact to DEP's future capacity needs are substantial. DEP will continue to study the impacts of the aggregation of the QF facilities to the DEP system.