

February 14, 2019

Ms. Tanowa Troupe, Acting Secretary
Ohio Power Siting Board
Docketing Division
180 East Broad Street, 11th Floor
Columbus, Ohio 43215-3797

**Re: Notice – Hardin Wind Energy’s GE 2.8-127 Wind Turbine Generator
Pursuant to Ohio Administrative Code Rule 4906-4-08(A)(5)(c)**

Case No. 09-479-EL-BGN

Dear Ms. Troupe:

Hardin Wind Energy LLC (“Hardin Wind Energy”) was granted a Certificate by the Ohio Power Siting Board (“OPSB”) to construct the Hardin Wind Energy Project (“Project”), a wind-powered electric generation facility to be located in Hardin County, Ohio. The Project is currently under construction.

In accordance with the Certificate issued by the OPSB and Ohio Administrative Code (“O.A.C.”) Rule 4906-4-08(A)(5)(c), Hardin Wind Energy is providing notice that it may utilize the General Electric (“GE”) 2.8-127 turbine model on the 89-meter tower in place of the 2.5-127 version of the same unit, which was previously approved by the OPSB. The GE 2.8-127 turbine model represents an increase in the capacity of that turbine model from 2.5 megawatts (“MW”) to 2.8 MW. By uprating the capacity, the turbine may prove more efficient and cost effective.

As shown in Attachment 1, with the exception of control parameters, the torque capability, and the cooling capacity, all components of the turbine model remain the same. This software update for the GE turbine model is minimal in nature, does not require any change to the Certificate conditions, and the Certificate conditions adequately address this capacity uprate. Further, Hardin Wind Energy affirms that the Project will not exceed the 300 MW permitted under the Certificate and that any turbine built will comply with all Certificate conditions.

Attachment 2 to this correspondence reflects the specific turbine numbers for which Hardin Wind Energy is considering installing the GE 2.8-127 turbine model. To the extent a concern is raised by a landowner regarding the installation of such turbine model immediately adjacent to his/her property, Hardin Wind Energy will not place this specific turbine at that location.

Finally, Hardin Wind Energy confirms that, in accordance with O.A.C. Rule 4906-4-08(A)(5)(c), this filing was provided to the OPSB staff and adjacent landowners to the turbines referenced in Attachment 2.

We are available to answer any questions you may have.

Respectfully submitted,

/s/ Christine M.T. Pirik

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Enclosures

Cc: OPSB Staff

COLUMBUS 39579-20 108895v4



GE Renewables

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February 11, 2019

Dylan Masi
Staff Engineer
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Executive Summary of differences between 2.5-127 89m HH and 2.8-127 89m HH WTG for Hardin Wind Project in Ohio, USA

Dear Dylan,

This letter is to provide a description of the differences between the 2.5-127 89m HH and the 2.8-127 89m HH wind turbine. Below is a listing of main components and any difference noted:

Component	Changes from 2.5-127 to 2.8-127
Blade	Same
Controls	Same – controls parameter settings per 2.8MW rating
Pitch Bearing	Same
Pitch Drive	Same
Pitch System	Same
Hub	Same
Main Shaft	Same
Main Bearing	Same
Pillow Block Housing	Same
Gearbox	Increased Torque Capability
Bedplate, frame	Same
Tower	Same
Yaw Bearing	Same
Yaw Drive	Same
Generator	Increased Cooling Capacity
DTA/Converter	Same

Please contact me directly with any further questions on the differences between the 2.5-127 and the 2.8-127 wind turbines.

Sincerely,

Tom Amirault

Attachment 2

Turbines where Hardin Wind Energy is considering installing the
GE 2.8-127 Turbine Model

Turbine	1
Turbine	2
Turbine	3
Turbine	4
Turbine	5
Turbine	6
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Turbine	10
Turbine	11
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Turbine	133

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Case No(s). 09-0479-EL-BGN

Summary: Notice - Hardin Wind Energy's GE 2.8-127 Wind Turbine Generator electronically filed by Christine M.T. Pirik on behalf of Hardin Wind Energy LLC