



6802/Langdon Wind Repower Project

April 18, 2023

Leonard Powell  
Associate Director  
Atwell, LLC  
Two Towne Square  
Southfield, MI 48076

**Subject: Langdon Wind Repower – Sound and Shadow Flicker Analyses**

Dear Mr. Powell,

Epsilon Associates Inc. (Epsilon) has prepared this letter to provide an update to the status of acoustic and shadow flicker modeling results of the Langdon Wind Repower Project. Epsilon previously completed modeling of the proposed repower project assuming that the GE 1.5-97 wind turbine model will be utilized. Due to changes in the Project design, the units have been changed to GE 1.5-91 or up to GE 1.6-91 units. These units have a smaller blade length and therefore a smaller rotor diameter.

As a result of this change, assuming the same noise mitigation modes are utilized, all predicted sound levels due to the repowered project will be the same or lower as was presented in the March 6, 2023 Sound Level Assessment Report. Furthermore, all expected shadow flicker durations due to the repowered project will be the same or lower than what was presented in the February 24 Shadow Flicker Modeling Report. Therefore, the Project will fully comply with the applicable sound regulations utilizing the GE 1.5-91 or up to the GE 1.6-91 wind turbine model.

If you have any questions, please contact me at (978) 461-6229 or by email at:

[RCallahan@epsilonassociates.com](mailto:RCallahan@epsilonassociates.com)

Sincerely,

EPSILON ASSOCIATES, INC.

A handwritten signature in cursive script that reads "Ryan Callahan".

Ryan Callahan, INCE  
Senior Consultant

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Epsilon Associates Inc Letter  
Otter Tail Power Company  
Mollie Smith, Fredrikson & Byron, P.A.