

**COMMONWEALTH OF KENTUCKY  
BEFORE THE KENTUCKY STATE BOARD  
ON ELECTRIC GENERATION AND TRANSMISSION SITING**

<b>In the Matter of:</b>	)	
	)	
<b>In the Matter of the Application of Barrelhead Solar, LLC for a Certificate of Construction for an</b>	)	<b>Case No. 2025-00177</b>
<b>approximately 54-Megawatt Merchant Electric Solar</b>	)	
<b>Generating Facility in Wayne County, Kentucky</b>	)	
<b>pursuant to KRS 278.700, et seq., and 807 KAR 5:110</b>	)	

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**APPLICATION TO CONSTRUCT  
MERCHANT ELECTRIC GENERATING FACILITY**

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Pursuant to KRS 278.700 et seq., and 807 KAR 5:110, Barrelhead Solar LLC (“Barrelhead”), by counsel, submits this application for a construction certificate to construct a merchant electric generating facility. In support of this application, Barrelhead states as follows:

1. Barrelhead is a limited liability company organized under the laws of Kentucky on October 22, 2020, with a principal place of business of 2650 Locust Street, Suite 100, St. Louis, MO 63103. Barrelhead’s phone number is (213) 444-7860. Barrelhead is authorized to do business in Kentucky as of October 2, 2025.

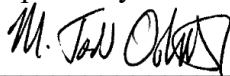
2. The proposed Barrelhead Solar Facility will be up to 54-megawatt alternating current (MWac) photovoltaic electricity generation facility. The proposed Barrelhead Project will be located approximately 0.64 miles northeast of Alpha and 0.46 miles northwest of Happy Top. The latitude and longitude are approximately 36.778364° N, 85.006984° W.

3. Pursuant to KRS 278.706, and 807 KAR 5:100, Barrelhead has hand-delivered its application fee with this filing.

4. Barrelhead, through its attorneys identified below, has the ability to receive electronic transmissions in this matter at the electronic mail addresses listed below.
5. Please refer to the attached Table of Contents and related information.
6. The Project will include a transmission line connecting the Project's substation to a switchyard to be owned by East Kentucky Power Cooperative. It is anticipated that the line will be only a few hundred feet in length. This infrastructure is located within the parcels to be used for the Project, as identified in the Preliminary Site Layout, which is Appendix B to the Site Assessment Report. In prior cases, the Siting Board has confirmed that similar transmission lines do not require separate approval from the Siting Board under KRS 278.700, et seq. *See, e.g., Pine Grove Solar, LLC*, Case No. 2022-00262 (K.S.B. May 26, 2023).

WHEREFORE, Barrelhead respectfully requests that the Siting Board (a) accept for filling this Application in accordance with 807 KAR 5:110, Section 3(3), (b) approve a construction certificate for Barrelhead to construct its Project, (c) confirm that no separate approval for a transmission line is necessary or, in the alternative, approve a construction certificate for a transmission line between the project switchyard and utility substation and (d) grant a deviation from the setback requirements contained in KRS 278.704(2).

Respectfully submitted,



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ATTORNEYS FOR BARRELLHEAD SOLAR LLC

CERTIFICATE OF SERVICE

I certify that a true and correct copy of this Application has been served via e-mail on October 3, 2025, upon the following:

Wayne County Judge/Executive Scott Gehring  
[judgeexecutive@wcfiscalcourt.com](mailto:judgeexecutive@wcfiscalcourt.com)

A handwritten signature in black ink, appearing to read "M. Jon Olson", with a stylized, looped flourish at the end.

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Counsel for the Lost Solar Renewables LLC