

COMMONWEALTH OF KENTUCKY

BEFORE THE KENTUCKY STATE BOARD ON ELECTRIC GENERATION
AND TRANSMISSION SITING

In the Matter of:

ELECTRONIC APPLICATION OF GLOVER)	
CREEK SOLAR, LLC FOR A CERTIFICATE OF)	
CONSTRUCTION FOR A NONREGULATED)	CASE NO.
ELECTRIC TRANSMISSION LINE IN METCALFE)	2022-00356
COUNTY, KENTUCKY PURSUANT TO KRS)	
278.714 AND 807 KAR 5:110)	

ORDER

On December 1, 2022, Glover Creek Solar, LLC (Glover Creek) filed an application with the Kentucky State Board on Electric Generation and Transmission Siting (Siting Board) seeking a construction certificate to construct an approximately 200-foot 69 kV nonregulated transmission line in Metcalfe County, Kentucky on an already approved 55 megawatt (MW) solar photovoltaic electric generating facility.¹

In Case No. 2020-00043, the Siting Board conducted a full evaluation of the Glover Creek solar project.² The Siting Board's expert, Harvey Economics (Harvey) completed a review of project as a whole and the transmission line that would be needed to interconnect the project to the transmission system.³ The September 23, 2020 Order in that proceeding found that the additional load on the transmission system by the proposed

¹ Case No. 2020-00043, *Electronic Application of Glover Creek Solar, LLC for a Construction Certificate to Construct an Approximately 55 Megawatt Merchant Electric Solar Generating Facility in Metcalfe County, Kentucky Pursuant to KRS 278.700 and 807 KAR 5:110* (Ky. Siting Board Sept. 23, 2020) Order.

² See Case No. 2020-00043.

³ Case No. 2020-00043, Letter Filing Report into the Record (filed July 10, 2020).

solar facility would not adversely impact the reliability of electric service for customers of utilities regulated by the Public Service Commission.⁴ The Siting Board granted a construction certificate conditioned upon full compliance with all of the mitigation measures in the September 23, 2020 Order.⁵

There are no intervenors in this matter. The Siting Board established a procedural schedule for the orderly processing of the case.⁶ Glover Creek responded to one discovery request from Siting Board Staff.⁷ The matter now stands submitted for a decision.

LEGAL STANDARD

The filing requirements and standard of review for requests to construct a nonregulated transmission line are set forth in KRS 278.714. KRS 278.714(2) requires an application for a nonregulated transmission line to include the following information about the proposed nonregulated transmission line: location of proposed line and structures to support it; proposed right of way limits; existing property lines that will be crossed; distance from neighborhoods, schools, public and private parks; voltages and capacities; length of line; terminal points; substation connections; statement of compliance for construction and maintenance with engineering practices and the National Electric Safety Code (NESC). KRS 278.714(3) requires the Siting Board to consider the impact the nonregulated transmission line will have on the scenic assets of Kentucky,

⁴ Case No. 2020-00043, Sept. 23, 2020 Order at 31.

⁵ Case No. 2020-00043, Sept. 23, 2020 Order at 39.

⁶ Order (Ky. PSC Dec. 13, 2022).

⁷ Glover Creek Solar's Response to Siting Board's First Request for Information (filed Jan 27, 2023) (Glover Creek's Response to Staff's First Request).

whether the applicant has met all legal requirements, and the interstate benefits of the nonregulated transmission line.

DISCUSSION AND FINDINGS

I. KRS 278.714(2) Requirements

Description of the Proposed Route of the Transmission Line and Appurtenances

Glover Creek proposed to construct a 200-foot 69 kV transmission line to transmit the power generated by the Glover Creek merchant solar generating facility into the electrical system. The transmission line would start at the project substation in the south-central area of the project, west of Big Jack Road.⁸ The transmission line would run due north approximately 200 feet to a YY-1 switching pole owned by East Kentucky Power Corporation (EKPC).⁹ The 200-foot transmission line would be owned by Glover Creek. EKPC then would construct a 30-foot line from the YY-1 switching pole to EKPC's switching station that is located within the Glover Creek project boundary.¹⁰ The 30-foot line would be owned by EKPC.¹¹

The proposed transmission line would only be located on one parcel of property that has been leased for the solar facility.¹² The YY-1 switching pole is located on the same leased parcel of property.¹³ The transmission line will cross under EKPC's existing

⁸ Application at 2.

⁹ Application at 2.

¹⁰ See Application, Exhibit B and Glover Creek's Response to Staff's First Request, Item 2 for detailed maps of the transmission line.

¹¹ Application at 2.

¹² Application at 2. See also Application, Exhibit C for a map of the leased property.

¹³ Application at 3.

Patton Road-Summer Shade 69 kV line and 100 feet of the transmission line will utilize the Patton Road-Summer Shade 100-foot right of way (ROW).¹⁴ There are four groupings of homes that qualify as a residential neighborhood pursuant to KRS 278.700(5) within one mile of the transmission line. Each of the neighborhoods is at least 0.37 miles away from the proposed transmission line.¹⁵ There are no schools or parks within one mile of the transmission line.¹⁶

The power generated from the Glover Creek solar facility will be sold into the PJM Interconnection LLC (PJM) wholesale market.¹⁷ The transmission line will allow the power generated to interconnect into the market. Glover Creek provided the Feasibility Study completed by PJM for queue positions AE2-071 and AF1-203.¹⁸ The PJM queue positions were then combined for one interconnection point of 55 MW¹⁹ and the System Impact Study and Facility Study completed by PJM were provided for the total 55 MW project.²⁰ PJM found no issues with the interconnection and Glover Creek will be responsible for the interconnection fees and any necessary upgrades.²¹

¹⁴ Application at 3.

¹⁵ Application, Exhibit B.

¹⁶ Application at 3.

¹⁷ Glover Creek's Response to Staff's First Request, Item 7.

¹⁸ Application, Exhibit D.

¹⁹ Application at 3.

²⁰ Application, Exhibit D and Glover Creek's Response to Staff's First Request, Item 4.

²¹ Application, Exhibit D and Glover Creek's Response to Staff's First Request, Item 4.

Compliance with National Electric Safety Code

Glover Creek confirmed that the transmission line will be built and maintained in accordance with the accepted engineering practices and the NESC requirements related to the construction of a transmission line including clearances, structures, conductors, protection, and maintenance.²²

The Siting Board finds Glover Creek has included all the requirements of KRS 278.714(2) in its application. The proposed nonregulated transmission line and its appurtenances have been described with specificity. Glover Creek has also stated it will comply with all the NESC requirements for the construction, operation, and maintenance of the nonregulated transmission line.

II. KRS 782.714(3) Requirements

The Siting Board must also evaluate the scenic impacts and the legal requirements of proposed nonregulated transmission line before rendering a decision.

Scenic Impacts

Glover Creek stated the proposed nonregulated transmission line will have minimal impacts to the scenic assets of Kentucky.²³ The transmission line will cross under an existing 69 kV transmission line owned by EKPC.²⁴ The transmission line will be contained on one parcel of property and all surrounding properties are participating landowners of the Glover Creek solar facility. Glover Creek also stated that the

²² Application at 4 and Glover Creek's Response to Staff's First Request, Item 9.

²³ Glover Creek's Response to Staff's First Request, Item 6.

²⁴ Glover Creek's Response to Staff's First Request, Item 6.

transmission line will be located near north end of Big Jack Road which does not experience a great deal through traffic.²⁵

The Siting Board finds the proposed nonregulated transmission line will have minimal impacts on the scenic assets of Kentucky. The nonregulated transmission line will be shielded from view given its location within the solar facility footprint, the surrounding participating properties, and the other transmission lines in the area. Glover Creek should consider any vegetative screening that will further reduce any impact on the scenic surroundings and address any complaints that arise during construction of the transmission line.

Compliance with all Legal Requirements

Glover Creek has stated it will comply with the Siting Board and any applicable NESC regulations.²⁶ Glover Creek has stated it will comply with the PJM interconnection process.²⁷ The Siting Board finds that Glover Creek's proposed transmission line meets the requirements of KRS 278.714(3).

CONCLUSION

After carefully considering the criteria outlined in KRS 278.714, the Siting Board finds that Glover Creek has presented sufficient evidence to support the issuance of a construction certificate for an approximately 200-foot nonregulated transmission line. The approval is conditioned upon full compliance with all of the Mitigation Measures contained

²⁵ Glover Creek's Response to Staff's First Request, Item 6.

²⁶ Application at 4.

²⁷ Application at 3.

in the September 23, 2020 Order in Case No. 2020-00043. A map showing the proposed nonregulated transmission line is attached as an Appendix to this Order.

IT IS THEREFORE ORDERED that:

1. Glover Creek's application for a Construction Certificate to construct an approximately 200-foot nonregulated transmission line in Metcalfe County, Kentucky is conditionally granted subject to full compliance with the Mitigation Measures in the September 23, 2020 Order in Case No. 2020-00043.

2. This case is close and remanded from the Siting Board's Docket.

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KENTUCKY STATE BOARD ON ELECTRIC
GENERATION AND TRANSMISSION SITING


Chairman, Public Service Commission


Vice Chairman, Public Service Commission


Commissioner, Public Service Commission

by KAC
w/permission


Secretary, Energy and Environment Cabinet,
or her designee


Secretary, Cabinet for Economic Development,
or his designee

ENTERED
MAR 30 2023
rca
KENTUCKY PUBLIC
SERVICE COMMISSION

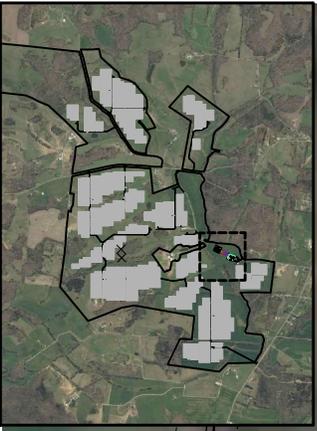
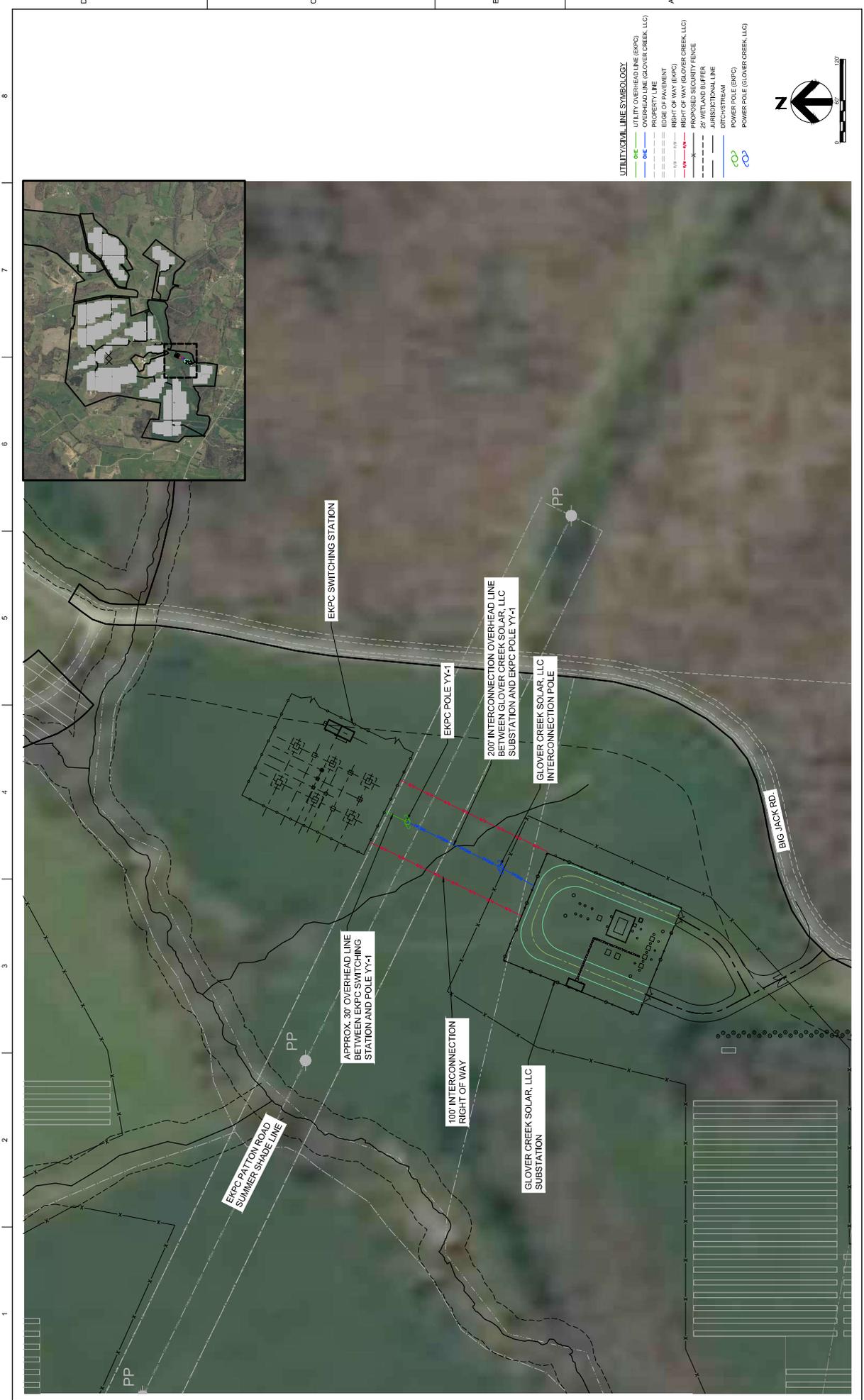
ATTEST:


Executive Director
Public Service Commission
*on behalf of the Kentucky State
Board on Electric Generation
and Transmission Siting*

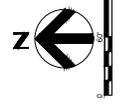
APPENDIX

APPENDIX TO AN ORDER OF THE KENTUCKY STATE BOARD ON
ELECTRIC GENERATION AND TRANSMISSION SITING IN
CASE NO. 2022-00356 DATED MAR 30 2023

ONE PAGE TO FOLLOW



- UTILITY/CIVIL LINE SYMBOLOLOGY**
- UTILITY OVERHEAD LINE (EKPC)
 - OVERHEAD LINE (GLOVER CREEK, LLC)
 - PROPERTY LINE
 - EDGE OF PAVEMENT
 - RIGHT-OF-WAY (EKPC)
 - RIGHT-OF-WAY (GLOVER CREEK, LLC)
 - PAVED SURFACE
 - 20' WETLAND BUFFER
 - JURISDICTIONAL LINE
 - DITCH/STREAM
 - POWER POLE (EKPC)
 - POWER POLE (GLOVER CREEK, LLC)



INTERCONNECTION PLAN

FILENAME: Z102.DWG
SCALE: 1/8" = 1'-0"
SHEET: Z102

**BLUE RIDGE POWER (BRP)
GLOVER CREEK SOLAR**



PROJECT MANAGER: COREY SCHMITT, P.E.		
DESIGNED BY		
DRAWN BY		
CHECKED BY		
PROJECT NUMBER	10024011	
ISSUE	DATE	DESCRIPTION
A	11/13/2023	ISSUE FOR APPLICATION



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