

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

IN THE MATTER OF:

THE ELECTRONIC APPLICATION OF)	
WEIRS CREEK SOLAR, LLC FOR A)	
CERTIFICATE TO CONSTRUCT AN)	
APPROXIMATELY 150 MEGAWATT)	
MERCHANT SOLAR ELECTRIC)	CASE NO.
GENERATING FACILITY IN WEBSTER)	2024-00099
COUNTY AND HOPKINS COUNTY,)	
KENTUCKY PURSUANT TO KRS 278.700)	
ET SEQ. AND 807 KAR 5:110)	

**WEIRS CREEK SOLAR, LLC'S RESPONSES TO SITING BOARD STAFF'S SECOND
REQUEST FOR INFORMATION**

Comes now Weirs Creek Solar, LLC ("Weirs Creek"), by counsel, and does hereby tender an updated Verified Response to Siting Board Staff's Second Request for Information entered August 26, 2024.

Filed: September 27, 2024

COMMONWEALTH OF KENTUCKY

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

IN THE MATTER OF:

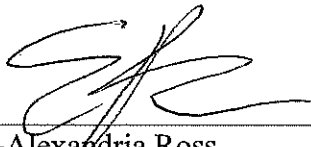
THE ELECTRONIC APPLICATION OF)
WEIRS CREEK SOLAR, LLC FOR A)
CERTIFICATE TO CONSTRUCT AN)
APPROXIMATELY 150 MEGAWATT)
MERCHANT SOLAR ELECTRIC) CASE NO. 2024-00099
GENERATING FACILITY AND RELATED)
NONREGULATED TRANSMISSION LINE)
IN WEBSTER COUNTY AND HOPKINS)
COUNTY, KENTUCKY PURSUANT)
TO KRS 278.700 ET SEQ. AND 807 KAR 5:110)

VERIFICATION OF EBONE-ALEXANDRIA ROSS

STATE OF FLORIDA)

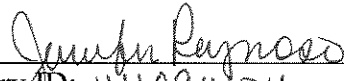
COUNTY OF PALM BEACH)

Comes now Ebone-Alexandria Ross, Sr Project Engineer Utility Scale Energy Storage of NextEra Energy Resources, Inc., being first duly sworn, and states that she has supervised the preparation of certain responses of Weirs Creek Solar, LLC to the Siting Board Staff's Second Request for Information in the above-referenced case, and that the matters and things set forth therein are true and accurate to the best of her knowledge, information and belief, formed after reasonable inquiry.



Ebone-Alexandria Ross

Subscribed and sworn to before me on this 27 day of September 2024.



Notary ID: 44091424
Expires: 221-26



Weirs Creek Solar, LLC

Case No. 2024-00099

Siting Board Staff's Second Request for Information

Request 9: Describe the hazard detection systems that will be used for the battery energy storage system (BESS) facility.

Response 9:

Each lithium-ion battery container will be equipped with fire safety and detection systems that comply with applicable National Fire Protection Association (NFPA) standards. The Project complies with Federal Energy Regulatory Commission interconnection standards. All components of the Project have been designed to comply with the National Electric Safety Code (NESC), National Electric Code, and/or Institute of Electrical and Electronics Engineers (IEEE) standards or guidelines. The Project has been designed to include physical safeguards, safety control systems, monitoring, and emergency response. Redundant safety control measures include battery management systems (BMS), site level energy management system (EMS), detection (smoke and/or heat, and gas), and alarm systems which monitor and can trigger shut down of the energy storage facility. Weirs Creek requires cooling and safety systems be integrated into battery containers. The Project will also be equipped with its own thermal management system to ensure it operates within a prescribed temperature range. A battery management system will monitor voltage, temperature, and current for the reliable and efficient transfer of energy. Weirs Creek is able to connect battery systems to the state-of-the-art proprietary monitoring facility in Palm Beach

Gardens, Florida. All monitoring and performance information is fed back to the Renewable Operations Control Center 24 hours a day, 7 days a week. The BESS will be isolated if the BMS or EMS detects a fault condition or if the batteries are operating outside of the predefined parameters.

Notification will be provided to the local fire department prior to construction so that the Fire Department can visit the Project during construction to obtain an on-the-ground understanding of the Project layout and access points, and protocols in place. During this visit, training will be provided to the local fire department regarding BESS facility safety standards and emergency operations protocol.