

Appendix 18-1:  
Site Security Plan



# **GARNET ENERGY CENTER SITE SECURITY PLAN**

Garnet Energy Center  
Cayuga County, New York  
June 2021

**FACILITY OPERATOR:**  
Garnet Energy Center, LLC  
700 Universe Boulevard  
Juno Beach, FL 33408

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## **1.0 Purpose**

The Garnet Energy Center (Project) Site Security Plan (Plan) describes actions to ensure proper site security during both construction and operation of the Project. The Applicant is committed to ensuring Project security, a critical component of any major electric generating facility.

The objective of the Plan is to provide a base for security measures to be implemented throughout the Project. Measures will be implemented by contracted construction personnel during the construction phase, and by both local and remote operations personnel during the operational phase. The indicated security measures are essential to guarantee the safety of all associated personnel, to prevent and minimize damage, theft and vandalism, and to prevent unauthorized access to Project components and facilities.

## **2.0 Security Measures During Project Construction**

### **2(a) Access Controls**

Access controls to the Project during the construction phase include fencing and locking gates. Fencing will be provided around laydown and storage areas as determined necessary, and gates will include a drop rod and latch closure with a locking mechanism attached. Gates will be locked when construction is not occurring. Refer to the Preliminary Design Drawings in Appendix 11-1 (Sheet C.XX) for additional details on fencing and gates.

### **2(b) Electronic Security and Surveillance Facilities**

No electronic security or surveillance facilities are proposed to be put in place during the construction phase of the Project. All visitors to the site will be required to check-in at the main construction operations office or trailer in order for the Applicant to keep record of visitors.

### **2(c) Security Lighting**

The majority of Project construction work will be conducted during daylight hours. In the event that lighting is needed for specific tasks, temporary manually operated lighting will be brought in and will only be utilized during active work periods. No security lighting is proposed for the Project during non-construction work hours.

## **2(d) Component Setbacks**

All permanent Project components will be setback a minimum of 100 feet from non-participating residential property lines, 50 feet from non-participating non-residential property lines and 250 feet from non-participating occupied residences. These setbacks comply with all applicable setback requirements. Laydown/staging areas will be fenced as determined necessary as discussed above. Any high-voltage equipment will be designated as such and will not be charged until the facility is fenced and secure.

## **3.0 Security Measures During Operation**

### **3(a) Access Controls**

The Project, including solar arrays and energy storage components, will be enclosed by 7 to 8-foot-tall chain-link fencing with locking gates to ensure public safety. Locking gates will also be installed at all site entrances. These gates will include a drop rod and latch closure with a locking mechanism. The substation will be surrounded by the same chain-link fencing in addition to barbed wire at the top of the fencing in accordance with code requirements. Refer to the Preliminary Design Drawings in Appendix 11-1 for details on fencing and gates.

### **3(b) Electronic Security and Surveillance Facilities**

The Project will be remotely monitored by NextEra Energy Resources, LLC (NextEra or the Operator). The Operator has 24/7 remote monitoring capabilities from their central control center in Juno Beach, Florida. No security cameras are proposed but can be installed in the future if determined necessary.

### **3(c) Security Lighting**

Security lighting is proposed only at the collection substation and switchyard. Lighting is only for security, safety, and maintenance purposes; no lighting is proposed within the solar arrays. The Project's lighting plan was developed to minimize fugitive light while meeting lighting standards established by the National Electric Safety Code (NESC). The collection substation and switchyard will normally be unoccupied. At the perimeter of the interconnection facilities and in work areas, lighting will be turned on manually by a switch. Lighting will be installed facing downward to minimize potential impacts to the surrounding public. No drop down optics will be used. Full cut off fixtures will be employed. Lighting has

been designed to a maximum 3.4 foot-candle average and will be equipment or pole structure mounted. During unoccupied periods, lighting will not be illuminated. Refer to the Collector Substation Drawings in Appendix 11-3 of the Application for details on lighting plans.

### **3(d) Component Setbacks**

All Project Components will be setback a minimum of 100 feet from non-participating residential property lines, 50 feet from non-participating non-residential property lines and 250 feet from non-participating occupied residences. Any high voltage equipment will be designated as such and will be locked/secured.

### **3(e) Cybersecurity**

With regards to cybersecurity of the Project's digital networks and communication systems, the Applicant will comply with the North American Electric Reliability Corporations (NERC's) Critical Infrastructure Protection (CIP) standards. The Applicant maintains a facility in Juno Beach, Florida that is compliant with the necessary NERC CIP standards. All firewalls and servers are monitored continuously 24 hours/day, 7 days/week by a Security Operations Center. All NextEra employees are required to complete training in information security awareness.