



# **EAST POINT ENERGY CENTER**

**Case No. 17-F-0599**

**1001.3 Exhibit 3**

**Location of Facilities**

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Figure 3-1. Project Component Locations

## **Exhibit 3: Location of Facilities**

This Exhibit will track the requirements of proposed Stipulation 3, dated August 20, 2019, and therefore, the requirements of 16 NYCRR § 1001.3.

This Exhibit contains maps, drawings, and explanations showing the proposed location of Project Components including the commercial-scale solar arrays, access roads, inverters, fencing, buried electric collection lines, and electrical interconnection facilities. The Project Area totals 1,313 acres. The total area of the Limit of Disturbance (LOD) for the Project is 408.34 acres, and the area inside all fences for the Project totals 351.92 acres. The proposed ancillary features, including the access roads, collection substation, and switchyard, will primarily be located entirely within the Project Area (with the exception of portions of the collection line which will be located within the right-of-way of Beech Road (approximately 5,221 feet), and cross Route 20 (approximately 1,678 feet) and Empie Road (approximately 50 feet)). The following sections describe specific Project features and representative mapping prepared.

### **3(a) Topographic Maps**

The Applicant has reproduced the most recent United States Geological Survey (USGS) maps at original scale to the locations of the Project Facilities, including all Project Components and interconnection facilities. Designed to deliver a coherent perspective of the data in a Geographic Information System (GIS) accessible format, the USGS/National Map topographic mapping portrays information consistent with the most recent USGS 7.5-minute (1:24,000) quadrangle topographic maps at large scales (USGS/The National Map, 2018). The Project Area is located in the Sharon Springs quadrangle. The USGS mapping database presents detailed topographic mapping for the United States, as well as land cover imagery for the world. The following sections describe mapping produced to represent Project Components on topographic mapping.

#### ***(1) Location of Project Components***

Figure 3-1 depicts the locations of the proposed major electric generation Components and interconnection facilities associated with the Project. These items include the solar panel arrays, inverters, fencing, access roads, collection lines, laydown/staging areas, collection substation, and interconnection facilities. No Operations and Maintenance (O&M) building will be proposed as part of the Project. The Components mapped on Figure 3-1 are collectively referred to as the Project.

The Project is composed of multiple land parcels, currently under lease or purchase option from private landowners. The location of these parcels is shown on Figure 4-3 in Exhibit 4.

Multiple alternative solar panel array locations were evaluated during the course of the Project siting effort. These alternative locations are shown on Figure 9-1 and discussed in Exhibit 9 (Alternatives).

### ***(2) Proposed Interconnection Locations***

The Project Components, excluding three small portions of the collector line, will be located within the defined Project Area and therefore, are mapped on Figure 3-1. More specifically, the interconnection facilities will be located within the fence line of the collection substation and switchyard that will be situated approximately 1,000 feet north of Highway Route 20 in the Town of Sharon, near the existing National Grid transmission line and substation. The distance from the proposed 69 kV switchyard to the interconnection with the existing National Grid Sharon – Marshville 69 kV transmission line is approximately 150 feet. The Project will have no need for a portable water connection or wastewater connection as there is no proposed O&M building as part of the Project.

### ***(3) Proposed Ancillary Features***

The proposed ancillary features, including the access roads, collection substation, and switchyard, will primarily be located entirely within the Project Area with the exception of portions of the collection line which will be located within the right-of-way of Beech Road (approximately 5,221 feet), U.S. Route 20 (approximately 1,678 feet) and Empie Road (approximately 50 feet) and therefore, are shown on Figure 3-1.

### ***(4) Proposed Electric Transmission Facility Subject to Article VII***

There are no proposed electric transmission line or fuel gas transmission line interconnections that are subject to review under Article VII of the PSL proposed as part of the Project; therefore, this information is not required to be included as part of the Application.

### ***(5) Project Study Areas***

Numerous studies were conducted in support of this Article 10 Application. A Study Area encompassing a 2-mile radius around the proposed Project Area was established during the preliminary development stages. Depending upon the specific resource being evaluated, variations from the 2-mile Study Area were employed as described below.

- Land Use (see Exhibit 4 for additional detail): Land use was evaluated within the 2-mile Study Area for the Project, including the entire Village of Sharon Springs even though portions of the Village extend beyond 2 miles from the Project Area. Components evaluated and shown on representative mapping within Exhibit 4 include parcel boundary data obtained from the Applicant's land agent (CanAcre) in combination with land use classification data from the New York State Office of Real Property Services (NYSORPS) parcel boundary data. Any discrepancies among the two sources was resolved using data from the Schoharie County GIS Viewer.
- Noise (see Exhibit 19 for additional detail): The potential for noise generated from operation of the Project was assessed for receptor locations to a distance of 0.25 miles from the Project Area based upon proximity of residences, outdoor public facilities and areas, hospitals, places of worship, and schools to Project Components, and structure areas assumed to be sensitive where a structure was not accessible for field verification or classifiable using aerial imagery.
- Archaeological Area of Potential Effect (APE) (see Exhibit 20 for additional detail): Archaeological APE was defined as where ground disturbances may occur, inclusive of access roads, workspaces, collection lines, the proposed collection substation and interconnection facilities, and other areas of significant ground-disturbing activities in accordance with OPRHP guidance.
- Architectural Survey Area (see Exhibit 20 for additional details): For assessment of direct effects, the APE is defined as the area of construction. For assessment of indirect effects, the APE is defined as those areas removed in distance, where Project Components will be visible and where there is a potential for a significant visual effect, the extents of which were determined based upon the results of a viewshed assessment (see Exhibit 24 for additional details on the viewshed assessment).
- Wetland/Stream Survey Area (see Exhibits 22 and 23 for additional detail): Wetland and stream delineations were conducted for 1,313 acres within the seven land parcels comprising the Project Area. Approximately 312.88 acres are proposed for the installation of the solar facility and associated Components, including interconnection facilities, all in the Town of Sharon, New York.
- Visual Study Area (VSA) (see Exhibit 24 for additional detail): A primary VSA of 5 miles was evaluated.

- Transportation (see Exhibit 25 for additional detail): The 2-mile Study Area was used to assess the potential impacts of transportation needs associated with the construction and operation of the proposed Facility.

### **3(b) Maps of Project Area**

Figure 3-1 shows the location of the proposed Project Area, including the commercial-scale solar arrays, interconnections, electric collection lines, collection substation, and the Point of Interconnection (POI) facilities in relation to municipal boundaries, taxing jurisdictions, designated neighborhoods or community districts.

### **3(c) Description of the Proposed Facility Location Relations**

The Project Area and all ancillary features are located entirely within Schoharie County and more specifically within the Town of Sharon. The Project is not located within designated neighborhood or community districts. Refer to Exhibit 4 for additional information regarding municipalities.

The Project and its proposed Components are located entirely within the Sharon Springs Central School District. The easternmost Project Area boundary is within 0.68 miles of the Village of Sharon Springs.

### **References**

USGS Topo Maps (2018), ESRI Map Service:

<https://www.arcgis.com/home/item.html?id=99cd5fbd98934028802b4f797c4b1732>