



EIGHT POINT WIND ENERGY CENTER

Case No. 16-F-0062

1001.3 Exhibit 3

Location of Facilities

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Exhibit 3: Location of Facilities

This exhibit contains maps, drawings and explanations showing the proposed location of Project components and interconnection facilities, as well as the proposed Article VII transmission line facility on topographic mapping. There are no off-site interconnections or ancillary features associated with the Project. 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 indicate the locations of Project Facilities, including all on-site Project components, and interconnections. In addition, the Article VII transmission facility is also shown. Designed to deliver a coherent perspective of the data in a Geographic Information System (GIS) accessible format, the USGS topographic mapping portrays information consistent with the USGS 7.5-minute (1:24,000) quadrangle topographic maps at large scales (USGS, 2016). The Project Area is located in the Rexville and Greenwood USGS quadrangles, and the Article VII transmission facility is located in the Rexville, Greenwood, and Hornell quadrangles. 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 Facilities on topographic mapping.

(1) Location of Project Components

Figure 3-1 depicts the locations of the major electric generation components and interconnection facilities associated with the Project. These items include the wind turbines, permanent meteorological towers, access roads, collection lines, laydown/staging areas (including two which contain temporary concrete batch plants), O&M building, and collection substation. The facilities mapped on Figure 3-1 are collectively referred to as the Project.

The Project is made up of multiple land parcels either owned by the Applicant or currently under lease from private landowners where components of the Project will be located. The location of these parcels is shown on Figure 4-3.

Multiple alternative turbine locations were evaluated during the course of the Project siting effort. These alternative locations are shown on Figure 9-1 and discussed extensively in Exhibit 9 (Alternatives). Only those turbines ultimately identified as viable alternatives sites are shown on Figure 3-1.

(2) Proposed Interconnection Locations

All Facility components, including the interconnection facilities, will be located within the defined Facility Site and therefore are mapped in Figure 3-1. More specifically, the interconnection facilities will be located within the fence line of the collection substation that will be situated approximately 275 feet north of Town Line Road in Greenwood (and approximately 750 feet northeast of the intersection of Town Line Road and Christian Hollow Road). There are no municipal interconnections required during

construction of the Project; and potable water requirements required during operation of the O&M building will be established at the time. See Exhibit 38 (Water Interconnections) for more information.

(3) Proposed Off-Site Ancillary Features

With the possible exception of areas requiring road improvements in order to facilitate transportation of wind turbine components to the Project, all Facility features will be located within the defined Project Area and therefore are shown on Figure 3-1.

(4) Proposed Electric Transmission Facility Subject to Article VII

The Facility will connect with the Bennet Substation in Hornellsville, New York, north of the Project Area via an approximately 16.5-mile 115 kV overhead transmission line that is being permitted through the Article VII process. Figure 3-2 depicts the location of this transmission line as it is expected to be filed in the Article VII Application. As discussed in Exhibit 2, the transmission line will be constructed in order to connect the Project to the New York transmission grid that will be evaluated and certificated through a parallel and separate Article VII process by the New York Public Service Commission. This Article 10 Application is focused on the wind energy portion of the Project, including all components within the fence line of the collection substation.

(5) Project Study Areas

Numerous studies were conducted in support of this Article 10 Application. A Study Area encompassing a 5-mile radius around the proposed Project Area was established and generally utilized during the preliminary stages. Depending upon the specific resource being evaluated, variations from the 5-mile Study Area were employed as described below.

- **Land Use (see Exhibit 4 for additional detail):** Land use was evaluated within the 5-mile Study Area for the Project. Components evaluated and shown on representative mapping within Exhibit 4 include Land Use Classification Code Categories developed by the New York State Office of Real Property Services (NYSORPS); existing transmission facilities, including existing overhead and underground lines for gas, electric and telecommunications; and tax parcel information as provided by the Steuben County GIS department.
- **Shadow Flicker (see Exhibits 15 and 24 for additional detail):** Shadow flicker and its potential impacts were evaluated for receptors within 1.25-mile of turbine sites.
- **Noise (see Exhibit 19 for additional detail):** The potential for noise generated from operation of the proposed Facility was assessed for receptors within one mile of turbine sites.
- **Archaeological Area of Potential Effect (see Exhibit 20 for additional detail):** Archaeological Area of Potential Effect (APE) was defined as all proposed construction impact areas within the Project Area.
- **Architectural Survey Area (see Exhibit 20 for additional detail):** For assessment of direct effects, the APE is defined as the area of construction. For assessment of indirect effects, the APE is assumed to be a 5-mile radius from any turbine location and a 0.5-mile radius from any transmission line or substation construction.

- **Wetland/Stream Survey Area (see Exhibits 22 and 23 for additional detail):** Wetland and stream delineations were conducted within the portions of the Facility Site impacted by wind turbine foundations, work areas, laydown and staging areas, substation, O&M building, access roads and collection lines.
- **Visual Study Area (see Exhibit 24 for additional detail):** A primary visual study area of 5 miles was evaluated, and an additional 10-mile visual study area was also evaluated.
- **Transportation (see Exhibit 25 for additional detail):** The study area utilized to assess the potential impacts of transportation needs associated with the construction and operation of the proposed Facility was defined as the Project Area (the 15,295 acre area as defined in Exhibit 2).

3(b) Description of the Proposed Facility Location Relations

The Project Area, on-site non-Article VII interconnections, and all ancillary features are located entirely within Steuben County and more specifically within the Towns of Greenwood and West Union. The Hamlet of Rexville is located approximately 1.5 miles northeast of the nearest proposed turbine (Turbine 17), while the Hamlet of Greenwood is located slightly further (1.75 miles) from the nearest turbine (Turbine 13), also to the northeast. The Project is not located within designated neighborhood or community districts. Refer to Exhibit 4 for additional information regarding municipalities.

The Project is located within the Canisteo-Greenwood Central School District and the Whitesville Central School District. The closest village is the Village of Andover, located approximately 3.29 miles northwest from the nearest turbine (Turbine 1).

Table 3-1. Number of Turbines by Municipality/School District

Town	Number of Turbines
Town of Greenwood	12 (1 Alternates)
Town of West Union	19 (3 Alternates)
County	Number of Turbines
Steuben County	31 (4 Alternates)
School District	Number of Turbines
Canisteo-Greenwood Central School District	18 (3 Alternates)
Whitesville Central School District	13 (1 Alternates)

References

USGS Topo Maps (2017), ESRI Map Service:

http://server.arcgisonline.com/arcgis/services/USA_Topo_Maps/MapServer