TRELINA SOLAR ENERGY CENTER

Case No. 19-F-0366

1001.3 Exhibit 3

Location of Facilities

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Exhibit 3: Location of Facilities

This Exhibit will track the requirements of proposed Stipulation 3, dated June 29, 2020 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 in relation to municipalities and taxing jurisdictions. The Project Area totals 1,067 acres. The total area of the Limit of Disturbance (LOD) for the Project is 474.08 acres, and the area inside all fences for the Project totals 417.80 acres. The proposed ancillary features, including the access roads, collection substation, switchyard, and an approximately 120-foot 115 Kilovolt (kV) interconnection line from the switchyard looping into the existing Border City-Station 168 115 kV transmission line, will be located entirely within the Project Area. The following sections describe specific Project features and representative mapping prepared.

The Project proposes to install fixed or tracker racking systems. As the technology is rapidly evolving for solar panel technology, and market conditions at the time procurement decisions need to be made are unknown at this time, the Applicant is proposing in this Application to evaluate both types of racking systems, with the final decision to be made and detailed in the Compliance Filing. The tracking and fixed array racking systems to be used would be similar to the Gamechange Solar Genius Tracker™ and the Gamechange Maxspan™ Pile Driven System, respectively, specification sheets of which have been included in Appendix 2-2 and Appendix 2-3. Regardless of the type of array racking system ultimately selected for the Project, the Applicant intends to employ a solar module similar to the Jinko Solar Eagle 72HM G2 380-400 Watt Mono Perc Diamond Cell. A specification sheet for this module has been included in Appendix 2-1. Only selected elements of the Project would change based upon the final array racking system type used, but all changes would be within the perimeter fence line and to the same land uses shown in the Proposed Layout.

3(a) Topographic Maps

The Applicant has used recent aerial photography, and the most recent United States Geologic Survey (USGS) maps (1:24,000 topographic edition) at original scale as base mapping to produce maps that include the following:

(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 commercial scale solar arrays, access roads, collection lines, laydown/staging areas, collection substation, interconnection facilities, perimeter fencing, employee operational parking (along internal access drives); and locations of proposed landscaping berms, fences, and other features, as applicable. The facilities mapped on Figure 3-1 are collectively referred to as the Project.

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 Location

All Project Components will be located within the defined Project Area and therefore, are mapped in Figure 3-1, including project components and the interconnection facilities, communications lines, stormwater drainage lines, and appurtenances thereto. More specifically, the interconnection facilities will be located within the fence line of the collection substation and POI Switchyard that will be situated in the western portion of the Project area adjacent to a panel array. The Project will have no need for potable water connection or wastewater connection.

(3) Proposed Ancillary Features

There are no ancillary features proposed that fall outside the Siting Board's jurisdiction under PSL Article 10.

(4) Proposed Electric Transmission Facility Subject to Article VII

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

(5) Project Study Area

A Study Area encompassing a 2-mile radius around the Project Area was employed during the Preliminary Scoping Statement. This 2-mile Study Area (shown on Figure 3-2) was used for all studies unless otherwise stated in this Application.

3(b) Maps of Project Area and Study Area

Figure 3-2 shows the location of the Project Area and the two-mile Study Area. The map includes the locations of project components, including solar panel arrays, collection lines, access roads, a collection substation, and interconnection facilities in relation to any applicable municipal boundaries, taxing jurisdictions, and designated neighborhoods or community districts, at a scale sufficient to determine and demonstrate the relation of facilities to those geographic and political features.

3(c) Description of the Proposed Facility Location Relations

The Project Area and all features are located entirely within the Town of Waterloo in Seneca County. The Project Area will also be located in the Waterloo Central School District, the Geneva City School District, and the Phelps-Clifton Springs Central School District. The Project is not located within designated neighborhood or community districts. Refer to Exhibit 4 for additional information regarding municipalities and taxing jurisdictions.

References

New York State GIS Program Office (NYSGPO) (2020). NYS Civil Boundaries. GIS Database. Available at: http://gis.ny.gov/gisdata/inventories/details.cfm?DSID=927. Accessed 2020.

New York State GIS Program Office (NYSGPO) (2020). NYS School District Boundaries. GIS Database. Available at: https://gis.ny.gov/gisdata/inventories/details.cfm?DSID=1326. Accessed 2020.

USGS Topo Maps. 2019. *ESRI Map Service.* Available at: https://www.arcgis.com/home/item.html?id=99cd5fbd98934028802b4f797c4b1732. Accessed 2020.