Tiger Storage 1 Project Description

Description

Tiger Storage 1, LLC (applicant), a subsidiary of New Leaf Energy, Inc., proposes to develop a 200MW Battery Energy Storage System (BESS) and associated interconnection facilities (collector substation and transmission line) on an approximately 16.7 acre portion of an existing agricultural field on PN 23-023-000-01. The parcel is approximately 81 acres in size and is zoned General Agriculture (AG-2) with an agricultural/farmland land use. Figure 1, Regional Map, depicts the project location within the regional USGS quadrangle. The associated Project Plan Set with this application depicts the proposed site improvements for the project.

The primary components of the project include a BESS facility utilizing lithium-iron phosphate based battery modules (or similar), inverters and transformers, an on-site collector substation (Project Substation), a generation interconnection (gen-tie) line, site access improvements, stormwater management facilities, a supervisory control and data acquisition (SCADA) system, Operations and Maintenance (O&M) area, and temporary construction staging areas.

The Project would interconnect from the Project Substation to the nearby MidAmerican Energy Co (MAE) substation via a proposed 0.18-mile, 161-kilovolt (kV) gen-tie line. The gen-tie line will interconnect via overhead wire from the Project Substation to the MAE substation. This gen-tie path will cross over an adjacent MidAmerican Energy Co parcel (PN 23-111-000-01) before terminating at the proposed point of interconnection (POI) at the MAE substation. The method of interconnection from the POI will be determined by MidAmerican Energy Co.

Location

The Project will be located in Rock Island County, IL, approximately 1.35 miles southwest of Coyne Center, IL. The Project parcel is located approximately 0.5 miles north of the intersection of 14th Street West and 127th Avenue West. The Project site is within Section 2, Township 16 North, Range 2 West. The Project is located entirely within PN 23-023-000-01, and is currently used for agricultural production. The property is bounded by 14th Street West to the west, MidAmerican Energy Co's Substation to the south, and agricultural uses to the north and east.

The nearest incorporated municipality to The Project is the village of Oak Grove, which is approximately 1 mile to the northeast. The nearest residence is to the northwest and west of the project site, across 14th Street West. The residence is approximately 600' away from the nearest proposed BESS container. The land uses adjacent to the project parcel are all agricultural uses, except for the MAE substation to the south.