

Tab 7
Efforts to Locate Project Near Existing
Electric Generating Facilities

TAB 7 – EFFORTS TO LOCATE NEAR EXISTING ELECTRIC GENERATING FACILITIES

Requirement: KRS 278.706(2)(g) A summary of the efforts made by the applicant to locate the proposed facility on a site where existing electric generating facilities are located.

The Project is not located on a site at which existing electric generating facilities are located. The main site selection criteria utilized for solar projects are land availability, landowner willingness to lease land, proximity to the bulk power transmission system, available electrical injection capability, adequacy of solar irradiance, and topography of the site.

Two existing bulk transmission lines are located in the Project Area. The 69 kV transmission system in the area is currently owned and maintained by EKPC, whereas the 345 kV transmission system is currently owned and maintained by Louisville Gas & Electric / Kentucky Utilities (LG&E/KU). To establish a generation facility, the electrical grid must be able to accommodate a new facility's generating capacity at a selected POI. The POI is the location on the specified transmission line or infrastructure where the facility will transmit power to the existing electric grid.

The capacity of the nearby transmission line and anticipated costs of upgrades to accommodate a new interconnection at the POI were evaluated. EKPC will be constructing a new switchyard within the Project Area, co-located adjacent to the Project substation. Due to the installation of the switchyard by EKPC, the Project does not require construction of a gen-tie line as part of this Application.

While the Project Area has no existing electric generating facilities, the site is currently used for agricultural purposes, and there is no indication of another use via historical aerials. The

types of agricultural practices, whether row crops or livestock, might have changed but are still generally agricultural.