Kimley»Horn

December 29, 2025

Kane County Government
719 S. Batavia Ave, Bldg A
Geneva IL, 60134

Re: Commercial Solar Energy Facility Special Use Permit Application
Pallme Farm Solar
Structural Engineer's Certificate

To Whom it May Concern,

Kimley-Horn and Associates, Inc., serves as the engineering consultant for Horizon Power. Horizon Power is seeking a Special Use Permit to construct a commercial solar energy facility in Kane County, Illinois. The Project, Pallme Farm Solar, is sited east of IL-47, south of Powers Road, and north of Charles Lane. The Project is a proposed 5.00 MW_{ac} commercial solar energy facility.

As required by the local ordinance, a structural engineer registered in the State of Illinois must certify that the soils and subsurface conditions at the site can support the apparatus, given local soil, subsurface and climate conditions. We are writing today to state that it is our professional opinion that the soil conditions at the site are satisfactory for development and construction of a typical ground-mount solar facility. The soils fall into the NRCS unified soil classifications of 103A, 152A, 219A, 323D2, 327C2, 327D2, 570B, and 969F which are comprised mostly of silt loams, silty clay loam, fox loam, and fox silt loam.

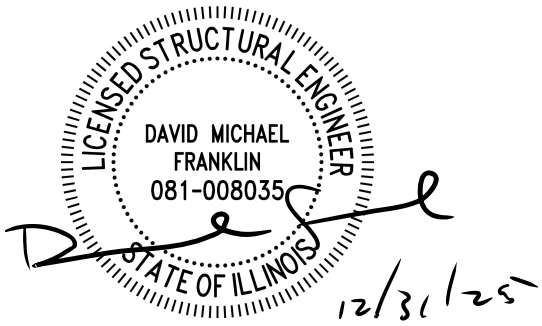
The foundations at a solar facility are most often driven steel piles and concrete slabs. The piles are used to support the solar racking and solar modules and the slabs are used to support larger equipment such as inverters, transformers and other electrical equipment as required. The foundations will be designed per a site-specific geotechnical report that contains foundation requirements. For weaker soils, the piles are often larger and driven deeper than for strong soils. The slabs will be designed to avoid settlement and often require subgrade preparation such as replacement of soils near the surface, placing structural fill/gravel, and compaction. The subgrade recommendations will also be provided in the final geotechnical report.

Kimley-Horn has provided engineering on over 1,500 solar projects across the country. Our experience from these projects suggests that the soils at the proposed solar site are satisfactory for construction of a solar facility. The final details of the foundations will be determined after the geotechnical investigation and after final engineering design.

If you have any questions based on the notes above, please let us know.

Sincerely,

Kimley-Horn and Associates, Inc.



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