PRI Engineering Inc. has a team of experienced professionals familiar with the civil construction of solar farms ranging in size from 120 kWDC to 10 MWDC. Our personnel have been involved in the full project lifecycle, from permitting and planning, preliminary design to detail design and construction inspections across more than 200 sites in Ontario, Manitoba, Saskatchewan, Alberta, British Columbia, New York State, Massachusetts, Maine, Pennsylvania and Minnesota. Our unified geotechnical and structural engineering team provide an integrated foundation and racking design solution which can be further optimized via site-specific pile load testing programs.

Our personnel’s involvement for the design and EPC of solar PV plants has included full design, QC, QA and Engineer of Record services, peer reviews and acting as the Owner’s Engineer.

PROFESSIONAL SERVICES

- Preliminary feasibility site review
- Geotechnical site investigations
- Frost susceptibility study of subsurface conditions, including full frost abatement pile design
- Corrosivity analysis of subsurface conditions and integration of these results into pile design
- Development of sediment and erosion control plan
- Detailed structural design and analysis of pv array foundations and site structures
- Supervision and engineering analysis of foundation load testing
- PV foundation installation database development for construction certification purposes
- Field subgrade inspections for traditional concrete footing, slab-on-grade and/or pavement
- Rebar inspection for structural concrete, welding and building code inspections
- Resistivity testing for grounding design