



LANGDON MILLS SOLAR

Key Engineering and Environmental Studies

- **Wetland and Waterway Delineation:** Identifies the location and extent of wetlands and waterways within the project area.
- **Glare Analysis:** Assesses potential impact from reflected light at different times of year using project-specific details including panel height, orientation, and angle.
- **Sound Report:** Sound analysis conducted to determine a pre-construction ambient sound assessment and to estimate ambient sound levels post-construction.
- **Threatened and Endangered Species Studies:** Evaluation of potential effects of project on federal or state listed threatened or endangered species.
- **Visual Impact Analysis:** A simulation of project visual impacts from key vantage points.
- **Geotechnical Report:** An evaluation of subsurface conditions relevant to project construction.
- **Cultural Resources Report:** A review of catalogued archaeological sites and historic structures in and near the project area.
- **Stormwater Pollution Prevention Plan:** An engineering plan to ensure compliance with state and federal stormwater runoff requirements during construction.
- **EMF Study:** A study to ensure that the project's estimated electric and magnetic field forces are consistent with industry safety standards.
- **Road Condition Report:** A review of local road conditions to ensure that project construction has no detrimental impact on local roadways.
- **Decommissioning Plan:** A report that provides Langdon Mills Solar's plan and commitment for decommissioning/deconstructing/restoration at the end of the project's useful life.

PERMIT AGREEMENTS

- **Certificate of Public Convenience and Necessity (CPCN)** - A project with a capacity of 100 megawatts (MW) or more must apply for and receive a CPCN from the Public Service Commission of Wisconsin (PSCW). The process involves a detailed application filing, an evidentiary hearing where parties to the case (including Langdon Mills Solar) have the opportunity to testify, and an opportunity for public input. The PSCW, comprised of three independent commissioners, makes its decision based upon the full record, and may grant the CPCN if it finds that the project is in the public interest.
- **Environmental Assessment** - The PSCW and the Wisconsin Department of Natural Resources will conduct an environmental assessment of the project to evaluate the project's impact on a variety of important environmental issues.
- **Joint Development Agreement** - Langdon Mills Solar will work with local municipalities and Columbia County government to collaborate on a Joint Development Agreement (JDA). A JDA is a binding agreement between a developer and local/county officials that outlines obligations and commitments by each party. Typical elements of a JDA include pre-construction meetings, a commitment to get certain local construction permits, and a process for reviewing and resolving community complaints.