

## Solar Designer

McCalmont Engineering is seeking a solar designer to join our team in designing and engineering large scale solar electric systems. This individual will be responsible for PV electrical designs on projects, and will be overseen by a senior electrical engineer. Project sizes typically vary from 500kW to 100MW. The ability to solve complex problems with creative ideas is a must.

### **Duties and Responsibilities will include but not be limited to the following:**

- Perform solar engineering designs with solar design software including SAM, PVSyst, PVWatts, and proprietary tools.
- Prepare project electrical design drawings including single line drawings, DC and AC wiring diagrams, electrical site plans and equipment layouts – including providing all supporting calculations.
- Assure that designs are Code-compliant.
- Participate in site audits as needed.
- Keep abreast of new products (modules, inverters, racking).

### **Knowledge, Education and Experience Requirements:**

- Bachelors degree in electrical engineering or architecture.
- Familiarity with electrical design, materials and methods of construction in power systems.
- Knowledge of distribution and/or transmission design is a plus.
- Solar electrical systems background a plus.
- Knowledge of the National Electrical Code as it relates to commercial and utility scale power plants is a plus.
- Proficiency with AutoCAD and the ability to generate construction level drawings.
- Good communication and presentation skills.
- Highly organized and able to multi-task several projects at once.
- Proficient with Excel, Word, and PowerPoint.
- Strong problem solving skills.

If you are interested in joining one of the premier companies leading the solar revolution, McCalmont Engineering is a fun and challenging work environment. Please apply by sending your resume to [jobs@mccalmont.net](mailto:jobs@mccalmont.net).