

## **Description**

Pure Power is seeking an engineer to design and generate construction documents for utility scale solar PV systems of 50MW or higher. Pure Power is an engineering firm specializing in designing big, challenging, and high-profile Solar PV systems (with or without energy storage). This is an exciting opportunity for someone with a passion for renewable energy to join a growing practice in our well-respected company.

## **Responsibilities**

- Design and engineer commercial PV solar or BESS systems size at 50MW or higher. This includes detailed design of the associated electrical power systems:
- System layout (equipment and modules)
- Selection of major equipment and development of equipment specifications.
- One-line diagrams
- Three-line diagrams
- MVAC and DC cable sizing & routing
- SCADA & communication design
- Grounding design
- Wiring diagrams
- Trench design
- Prepare construction drawings using AutoCAD.
- Coordinate activities between clients, utilities, permit agencies, contractors, and other engineering firms.
- Participate in the Construction Administration phase of projects by responding to RFIs, reviewing submittals and performing site visits as needed.
- Ability to manage time efficiently across multiple projects
- Ability to reduce complexity of projects/tasks within their team to increase efficiency.
- Ensure compliance with company, industry, trade, and jurisdictional safety standards, practices, and codes
- Other tasks as assigned.

## **Requirements**

### Required Qualifications

- Bachelors in electrical engineering or other related discipline.
- 3+ years' experience designing commercial and/or utility scale solar PV systems.
- Ability to communicate among construction, technical and non-technical personnel, both internally and outside the company.
- 3+ years' experience working with AutoCAD with an understanding of layer control, dimensioning and scaling, sheet sets, blocks, xrefs, line weights, plot files, and file transmission.
- Proficiency in Microsoft Office including Excel, Word, and additional computer software.
- Possesses effective written and oral communications skills.
- Must possess strong technical verbal and technical writing skills and be able to read technical literature and engineering plans.

- Must demonstrate two-way communication to effectively work with internal staff and external clients.
- Understanding of the National Electrical Code (NEC).

#### Preferred Qualifications

- Professional Engineering (PE) license.
- 6+ years' experience designing commercial & utility scale solar PV systems.
- Experience designing energy storage systems.
- Familiarity with PVsyst, CYMCAP & Etap software.
- NABCEP certification