



**Power System  
Engineering, Inc.**

**1532 West Broadway, Madison, WI 53713**

[www.powersystem.org](http://www.powersystem.org)

## **Job Description**

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### ***General Summary:***

Use proven design standards and applicable codes to exceed client expectations while designing and field staking overhead and underground distribution and sub-transmission power lines. Projects may also include: easement negotiation and filing, tree-trimming negotiation and recording, railroad and highway permit filing, GPS data collection, ground line surveys, and any other duties that would be required to successfully fulfill requirements outlined by colleagues and clients.

### ***Responsibilities:***

1. Work on-site at various utilities performing line design and field staking services. Overnight travel is required on a regular basis.
2. Successfully design power lines in accordance with applicable codes and pre-determined design standards. Perform necessary calculations to verify that the design is in compliance with the applicable codes and standards.
3. Develop design documentation such as staking sheets, plan and profiles, material lists, and material specifications. Maintain appropriate documentation of designs.
4. Work with various line design & staking computer applications including Partnersoft – Field Designer, Powel – StakeOut, AutoCad, Sag 10, and in-house MS Excel spreadsheet calculations.
5. Ability to respond to construction crew design questions, provide support to clients, and inspect construction.
6. Ability to prepare material lists, review material specifications and apply appropriately to the design.

## Line Design Technician

### ***Education and Experience:***

- Graduate of line worker training school (preferred).
- Line worker experience and knowledge of electrical distribution systems (preferred).
- Working knowledge of computer software tools including MS Word and MS Excel (preferred).

### ***Key Competencies:***

***Technical Competencies:*** Possess basic knowledge of algebra to complete strength and loading calculations. Applicant **MUST** be able to learn new design software. Successful applicant must be physically able to perform the essential functions of the job such as long hours of travel and frequent work in the field, including GPS data collection and basic surveying, including measurements of distances, angles, and elevations across all types of terrain and weather conditions.

***PSE Competencies:*** Possess ability to learn new skills from experienced designers, achieve quality results, be change-oriented, use effective communication skills, be customer-driven, foster innovation, be a continuous learner, and display teamwork behavior.

***Coaching Competencies:*** Possess ability to continually identify and recommend process and/or system improvements to facilitate efficiencies in line design.

### ***Working Conditions:***

Field work and overnight travel is required. Reimbursable expenses include meals, lodging, and mileage. Training is provided by PSE employees and/or by enrollment in seminars and continuing education courses. PSE is committed to providing successful applicant with the tools and skills to be successful.

### ***How to apply:***

Email a cover letter and resumé, as one .pdf document, to [jobs@powersystem.org](mailto:jobs@powersystem.org); use the name of the position you are applying for as the subject line of the email.

**PSE offers an excellent benefit package which includes paid time off, 401(k), health, dental, vision and life insurance.**

**PSE conducts drug screening and background checks on applicants who accept employment offers.**

**Authorization to work in the United states without visa sponsorship is a precondition of employment.**

*Power System Engineering is an Equal Opportunity/Affirmative Action institution and does not discriminate on the basis of race, sex, gender identity, marital status, pregnancy, sexual orientation, age, disability, veteran status, religion, color, ancestry, or national origin or any other characteristic protected by federal, state or local laws. Our management team is dedicated to this policy with respect to recruitment, hiring, placement, promotion, transfer, training, compensation, benefits, employee activities and general treatment during employment.*