



**Title of Position and Code**  
Senior Power Engineer – SPE-WA-19-01

**Team/Department**  
Engineering

**Reports To**  
Assistant Director of Engineering

# Senior Power Engineer

H2E does the right thing for industrial clients and team members. The result is world-class electrical engineering, process and design. We work with Mining, Light Metals, Hydro Electric, Cement, Aggregates, WWTP, Utilities, DOE, Manufacturing and Wood Products. We are currently looking for an experienced Senior Power Engineer to work and grow with us at our Liberty Lake, WA headquarters.

## About Your Work:

You will work with other engineers, designers, and clients to develop electrical power related systems for our clients. You'll have the opportunity to power factories, saw mills, mines, manufacturing plants and hydroelectric facilities. Your creativity is required.

The best candidates will apply their extensive and diversified knowledge of principles and practices in broad areas of power engineering assignments and related fields. They will also use advanced techniques in the modification or extension of theories and practices of sciences and disciplines to complete assignments.

## Essential Responsibilities:

### Technical

- Applies a thorough knowledge of current principles and practices of power engineering
- Performs and coordinates power distribution and/or substation design, short circuit, load flow, arc flash and protective device coordination studies, and development of one-line, plan drawings, cable schedules, interconnection drawings, schematics, etc
- Reads and interprets power system, construction and installation drawings.
- Develops equipment specifications and construction specifications
- Provides recommendations for change management within active projects
- Independently evaluates, selects, and applies standard techniques, procedures, and criteria
- Directs and performs fieldwork during project lifecycle (data collection through start-up and commissioning of medium and low voltage equipment)
- Designs a complete project system, component, or process and reviews for conformity and quality assurance
- Assists upper level engineering and management as a technical specialist
- Oversees efforts at construction/plant sites and fabrication shops during design phase on an as required basis

### Leadership / H2E & Project Management

- Assigns tasks to and directs engineers, technicians, administrative staff, and supports principal engineers
- Manages project team activities, communicates changes and progress. Coordinates to complete projects within scope, on time and on budget with safety and quality requirements met
- Manages Client expectations during project execution, within contract requirements, and manages scope creep



## Senior Power Engineer

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- Prepares scopes, budgets, and schedules for assignments. Develops and maintains project deliverables lists for all active projects
- Tracks progress of project deliverables to ensure contract requirements are met per schedule
- Assists with proposals to provide professional services or obtain funding for engineering projects or programs
- Actively participates, presents, and guides project meetings and specific aspects of engineering assignments.
- Develops new techniques and/or improves processes, materials, or products
- Works on a major project or several projects of moderate scope with complex features
- Conducts experiments, analyzes and interprets data to formulate and solve problems
- Demonstrates best practices as the project technical lead while mentoring engineering and design personnel

### **Communications**

- Represents the organization in communications and documentation pertaining to broad aspects of engineering assignments
- Possesses advanced oral and written communication skills
- Regularly interacts with clients, customers, officials, contractors, and others
- Initiates and maintains contact with key engineers and clients/customers or other organizations and companies and is skilled in negotiation of critical issues
- Leads project meetings and makes presentations

### **Ownership / Growth / Direction**

- Makes authoritative decisions and recommendations, with far-reaching impact on the organization
- Continual self-improvement in latest technology and equipment in the industry
- Models and inspires continuous improvement in others
- Continual self-improvement in interpersonal skills and effective oral and written communications
- Ability to resolve project related technical issues to move the team and the company forward

### **Minimum Qualifications**

- Minimum of five years' experience with a Consulting Engineering firm or Industrial/Utility environment
- Bachelor's Degree in Engineering from an ABET accredited program
- EIT certification required
- PE licensed preferred or ability to obtain PE within one year of hire
- Proven knowledge of electrical power system modeling techniques. (i.e. ETAP, SKM, and/or EasyPower)
- Substantiated expertise in design of medium voltage industrial and utility power systems
- Working knowledge of construction techniques
- Ability to effectively obtain, develop and communicate technical information to both clients and customers
- Ability to work efficiently and effectively when managing multiple tasks
- Must be self-motivated, results oriented, and be flexible to work well under tight schedules in a fast-paced team environment
- Efficient in the use of MS Office software suite: Outlook, Excel, Word, OneNote, Project and Access

### **What H2E offers:**

- Competitive Wages (\$90,000 - \$130,000)
- Health/Dental/Vision Benefits/401k
- Flexible Hours
- Holiday, Sick, and Vacation Time
- Opportunity for Advancement
- Amazing Team Environment

### **How to Apply:**

Please review the position posting and respond with cover letter and resume. Including previous work samples as appropriate is highly encouraged. Apply via E-mail to [recruiting1@H2Einc.com](mailto:recruiting1@H2Einc.com)