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## Job Posting: Energy Engineer / Project Engineer Level 1

### About Bolder Energy

Bolder Energy is a full-service energy consulting and engineering firm offering a suite of efficiency services including energy auditing, retro/new/ongoing-commissioning, implementation assistance, measurement and verification, energy modeling, energy management software solutions, sub-metering and data analysis, third-party technical review services, staff training, Energy Star ratings, and engineering design. Most of our projects are existing building (retro) commissioning, energy auditing, new building commissioning, and implementation services in a variety of building types (office, schools, hospitals, etc.), with projects located locally and across the US.

We are a team of building energy engineers and design build professionals who care about implementing projects and achieving actual energy savings. We are passionate about the work we do.

We deliver value to our customers by customizing the services we offer and by focusing on solving the client's pain point. This creates a variety of projects we end up working on.

Our office is in Boulder, CO though much of our work is performed remotely or at project sites. Our team presently consists of four co-owners and four part-time employees.

### Position Summary

We are looking for a (entry to mid-level) project engineer to support the company's senior level engineers on a variety of project types. Project engineers will often work on their own, with routine guidance/direction and in close coordination with the senior/project engineers.

The position would be an hourly position. The number of hours per week are project driven and therefore can vary week to week. We strive to provide you with 15 to 30 hours per week but are open to discussing what your desired work level might be. Typically, we work during traditional business hours, however project deadlines can (on rare occasion) require working outside of normal hours. This position offers a lot of flexibility and financial success for the right candidate.

Day to day activities might include these typical project tasks:

- Review building mechanical (and electrical, plumbing) drawings to pull relevant project information
- Review control drawings for included points, listed sequence of operation, network details
- Develop equipment test plans for onsite testing
- Conduct a site walk to collect equipment information, review equipment operation, interview building operators, collect lighting information, and collect water system information.
- Conduct utility usage and rate analysis. Normalize utility data for weather or other variables.
- Research utility incentives and rebates as they pertain to specific project work.
- Frequent work with Microsoft Excel spreadsheets (advanced spreadsheet skill preferred).
- Conduct equipment operation analysis (retro-commissioning trend analysis).
- Perform energy/water savings calculations and costing of recommendations to develop simple paybacks.
- Write a project report summarizing key findings for clients (with a varying of technical understanding)
- Quality check reports (for wording, grammar, spelling, formatting) and analysis spreadsheets (for results, formulas, inputs).

- Communicate with clients regarding project questions, project updates, and deliverable reviews.
- Perform measurement and verification activities with knowledge of IPMVP protocols.
- Conduct project research for new technologies.
- Perform energy modeling of proposed design and a code-compliant baseline with simulation software such as Open Studio/Energy Plus, Trane Trace, eQuest.
- Updating CAD drawings or equipment specifications for our retrofit MEP design projects
- Manage client communication, deliverables and timelines, and project finances (depending on current level of experience/or will train).
- Engage in business development activities including scope of work and/or proposal development, speaking engagements, and client networking events (depending on current level of experience/or will train).

### **Office Culture**

We place a high value on flexible work schedules and the opportunity to balance your workload and earning potential in a way that also balances your life's other priorities.

Our team takes pride in our trade and our deliverables and has a deep passion for energy efficiency.

We solidly believe in on-going training, which includes (but not limited to) mentoring and on the job training and connecting you to webinars or other industry resources. This includes training not only in technical subjects but sales, client communication, and networking. We support any entrepreneurial endeavors that enhance knowledge and provide a service to our industry.

We continuously are developing standardized processes and templates and support time to do that.

### **Qualifications**

This position (very occasionally) requires travel to a job site via driving (jobs in CO) or flying (out of state). Candidate must also be able to climb ladders to access rooftop equipment and be adaptable to a variety of work situations.

The successful candidate background will include (many of these are preferred but not all required, will train the right individual):

- BS or MS in a technical field, such as engineering (mechanical, architectural, electrical) or other science related degree.
- 1 to 5 years of work experience in the building environment, preferably in energy engineering, controls, design, or commissioning. Adjacent fields, such as MEP design engineers or controls technicians/programmers with the required degree(s) are also potential fits.
- Understanding of building HVAC/lighting/controls systems, familiarity with basic thermodynamic heat transfer and associated engineering equations.
- Has industry certification (EIT or PE, CEM, Energy Audit/Commissioning/Project Management credentials) or is interested in pursuing a certification.
- Demonstrated experience with analysis of field data and/or statistical analysis.
- Demonstrated excellence in communication (written and oral) and organizational skills.
- Moderate to advanced skills in MS Excel and Word. Additional skill sets that would be a plus include Bluebeam, Visio, and programming skills in VBA, or other relevant analysis languages and tools.
- Ability to work autonomously on specific tasks and ability to work in a team environment.

- Demonstrates ability to complete some level of self-review of work and attention to detail.
- Can manage multiple tasks and budget time and is accountable for making deadlines
- Value entrepreneurial mindset and we are open to supporting individuals in developing new business opportunities.
- Other skill sets we prefer are being curious, willing to work, good communication skills, ability to prioritize tasks, dedication to delivering a good product, and self-motivated.

### **Location, Benefits, Wage**

Bolder Energy's office is in Boulder, CO however you can work from our office or at home. There is occasional travel to job sites.

Pay ranges from \$25 to \$55 per hour (and depends on experience level). Project-based profit-sharing and mid-year bonuses based on individual performance increase annual earnings potential.

Employment benefits include 401k matching, computer and tool stipend, performance incentives and bonuses, paid training/staff development stipend, mentoring, and a highly flexible work schedule and workload.

### **To Apply**

Please submit your resume to [jess@bolderee.com](mailto:jess@bolderee.com)

Include a cover letter describing why you think you are the right fit for our team.

Include a writing sample that shows us your writing style (preferably a project report or sample from a technical project report).