Energy Engineer I

Typical Starting Salary: $55k-70k per year plus benefits

To Apply: email hiring@abraxasenergy.com; include a resume and cover letter.

Since 2001, Abraxas Energy Consulting has provided its clients with solid expertise in the field of energy efficiency. We specialize in making recommendations to improve building energy efficiency and lower operational costs in commercial, municipal and federal facilities. In addition, we set up utility bill tracking databases, create building models for ESCOs and for LEED Certification, provide expert training and technical support, write custom software, and provide Measurement and Verification services. We are a relatively small and flexible consulting company headquartered in San Luis Obispo, California. We have several engineers working from remote co-op spaces and home offices. We have been growing at a controlled pace for the past several years and have never had to lay off an employee due to slow business. We employ about fifteen engineers and analysts with our energy services as well as regular contractors and office support staff.

The Energy Engineer position at Abraxas Energy Consulting serves the primary role of providing our customers with energy auditing and facility assessment services.

Key Responsibilities

Typical assignments will include supporting Sr. Engineers with energy and water audits, retro-commissioning studies, measurement and verification projects, and field diagnostic testing/deployment. Your work will involve regular interaction with customers in person, on the phone, and via email. You will represent Abraxas Energy in a professional manner. With some training, you will soon be responsible for completing much of the work for customer facilities independently.

Specific tasks include but are not limited to the following:

- Provide analysis of a client's historical energy and water use. Activities include but are not limited to determining trends in utility usage due to weather or other variables, benchmarking energy performance, identifying errors in utility bills, and utility rate analysis.
- Conduct energy audits. The tasks will range in complexity from one day walk thru site visits to investment grade energy audits to identify energy reduction opportunities in lighting, HVAC, building envelope and other energy and water using systems.
- Conduct building retro-commissioning activities including Functional Performance Testing and monitoring of equipment.
- Deploy field diagnostic equipment such as wireless monitoring systems, data loggers, flow meters, etc.
- Use necessary equipment for completing on site work. This will include data loggers, power loggers, multimeters, temperature devices, air flow meters, manometers, lighting meters, current transformers, appropriate personal protective equipment (PPE), hand tools, etc.

- Analyze and evaluate results from measurements including interval energy data, lighting readings, etc.
- Perform energy and economic analysis of energy efficiency measures using energy modeling software, spreadsheets and other tools.
- Evaluate operations and maintenance savings and estimate the cost to implement energy conservation measures.
- Document and communicate the results of energy audits through written reports, PowerPoint presentations, meetings, and conference calls.
- Meet with clients and team members to discuss energy efficiency measures.
- Keep current with new energy efficiency technologies and strategies.

Most applicants should expect to be available to travel to be considered for this position. Our engineering staff is typically gone from home 5-8 nights per month. The company covers all travel expenses.

Basic/Required Qualifications

This position requires a high level of individual initiative, responsibility, work ethic and time management skills to meet shifting and overlapping project deadlines. The ability to communicate clearly with customers and team members to request information, solicit feedback, and clearly define project responsibilities is crucial. You will also need to communicate with your peers and project managers regarding your schedule, road blocks to your work, and additional support that you may require. Other required qualifications include:

- BS Degree in Mechanical Engineering, Electrical Engineering, or equivalent four-year technical engineering degree. Or at least a 2-year technical, math, or science degree and minimum of 2 years of industry-related experience.
- Minimum 0-3 years experience with consumer side energy analysis (energy efficiency, renewable technology, HVAC analysis, building load analysis, etc.). Knowledge from directly related coursework will be considered.
- Understanding of basic concepts required for analyzing building envelope, mechanical systems, electrical systems, lighting systems, etc.
- Very strong experience with the use of Microsoft Excel, Microsoft Word, detailed spreadsheet analysis, and high quality technical report writing.
- Mastery of the English language – written and spoken.

Preferred Qualifications

Additional beneficial qualifications include:

- Have certification or working towards certification in any of the following: Certified Energy Manager, Certified Lighting Efficiency Professional, LEED Accreditation, Certified Energy Auditor, Engineer in Training, or Professional Engineer license.
- Experience developing energy simulation models with DOE-2, eQUEST, TRANE TRACE 700 or similar programs.
- Experience working on or assessing large commercial facilities' energy using equipment.

Current Full Time Company Office Locations

The following list indicates locations where we currently have full time staff. Interested applicants who are located near one of these cities or willing to relocate are preferred. However, other applicants near major airports will still be considered.

- San Luis Obispo, CA
- Carlsbad, CA
- Denver, CO
- Oakland, CA
- Orange County, CA
- Pittsburgh, PA
- Portland, OR
- Santa Ana, CA