

Energy Engineer

Job Description

Elara Engineering has immediate openings for qualified Energy Engineers. This position is to serve as an Energy Engineer on Elara's Energy and Commissioning Team which supports all of the company's product offerings with specific emphasis on performing conceptual engineering design, developing energy audits/analyses, creating and analyzing energy models, and performing a full range of commissioning tasks. The Energy and Commissioning Team also manages all project incentive program opportunities and LEED submissions.

Qualifications

- Candidate must have a minimum bachelor's degree in engineering.
- Candidate must live in the Chicagoland area or be willing to relocate.
- Candidate must have a minimum of 3 years experience in energy auditing or master planning for commercial and/or industrial buildings or relevant experience.
- Energy modeling experience is a plus.
- Proven ability to communicate well in written and verbal communications.

Responsibilities

Energy Audits / Master Plans / Conceptual Design Studies

- Review existing building drawings and extract necessary information.
- Perform site visits to identify existing equipment conditions, review system performance/ issues with building staff, and identify energy savings opportunities.
- Perform weather normalized utility analysis utilizing Excel tools created by Elara Engineering.
- Perform heat gain and loss calculations where necessary for preliminary equipment sizing.
- Develop energy models for various purposes including evaluation of system types.
- Determine performance and energy savings for system modifications and improvements.
- Assist in the conceptualization of MEP system alternatives and energy conservation measures.
- Collaborate with other discipline engineers to confirm the feasibility of alternatives.
- Perform preliminary equipment selections.
- Prepare schematic drawings per Elara Drawing Standards and Conventions.
- Prepare construction cost estimates for recommendations.
- Compile data and prepare written reports and presentations.
- Attend project meetings/presentations with clients.
- Prepare post-implementation analyses confirming actual weather normalized energy savings.
- Oversee the work of 1-2 energy engineers supporting the projects/reports that you are assigned.

Benefits

- Medical, Dental, and Vision insurance
- Life insurance
- 401K Plan
- Paid vacation, personal/sick, and volunteer time
- Paid holidays
- Mentorship Program and Volunteer Program
- Bonus based on personal and company performance

Note: Travel outside the Chicagoland area is rarely required.

