

Dent Energy

Position: Energy Engineer

Locations: Chicago IL or Greater Chicago land Remote Position

Job Type: Full Time

COVID-19 Vaccination

In keeping with applicable laws, successful applicants for this position must be fully vaccinated against COVID-19 as a condition of employment. Proof of vaccination must be presented by start date.

Job Description:

We are looking for an individual that is excited to join our team as an Energy Engineer. As an Energy Engineer, you will support the development and delivery of energy efficiency programs by providing engineering calculations, building energy simulations, ASHRAE level facility assessment. You will assist with the design and development of technical strategies, conduct analysis to inform and recommend energy savings, develop plans, and provide reporting that contributes to the success of clients. You will write and inform technical documents and publications, and conduct quality reviews of content. You will provide general project oversight, quality control/assurance, and continuously inform customers and project team of updates and necessary adjustments. Assist with business development efforts and proactively seek new project opportunities.

Education and Experience:

- B.S Engineering Degree
- EIT/FE, CEM, or LEED preferred
- Experience with HVAC, lighting, Building automation system, process heating and cooling, and renewable technologies.
- Knowledge of energy/building codes and/or frameworks
- Ability to apply basic physics/engineering principles to energy consumption, production, and flows in building systems

Primary Responsibilities:

- Calculate energy savings for projects in our programs using standard engineering principles including physics, mechanics, fan laws, thermodynamics, algebra, and statistics
- Provide support for experienced engineers on: custom and M&V projects, calculator and tool development, training material development, and additional projects as needed
- Interact with customers and project teams to reach collective goals
- Generate clear verbal and written communication appropriately geared to an intended audience
- Apply basic physics and engineering principles to use and calculate metrics such as: system energy use, building EUI, energy savings, insulation and U values, equipment efficiency ratings, effectiveness, COP, efficacy, etc.