**Energy Engineer**

**Position Description**

The Energy Engineer provides technical support for project design and implementation and to optimize the operations and energy use of energy systems and equipment to achieve energy and cost savings. The Energy Engineer works with facility managers to implement effective and innovative energy conservation measures and demand-side management strategies in buildings and facilities. The Energy Engineer also conducts energy assessments and site investigations, monitors and manages construction activities related to systems and equipment, interprets engineering documents, and drafts technical reports.   
  
**Responsibilities**

* Provides engineering and technical support for project design and implementation and coordinates with facility personnel to optimize the operations and energy use of energy systems and equipment.
* Analyzes systems and equipment to determine optimum operating conditions and diagnose issues impacting energy consumption; develops and recommends strategies to maximize operating efficiency.
* Reviews data from Energy Management and Information Systems (EMIS), such as a building automation system, and utility billing and meter data to identify opportunities for energy and operational savings.
* Works with facility managers to implement effective and innovative energy conservation measures (ECMs) and demand-side management strategies in buildings and facilities.
* Performs technical energy audits and ECM payback calculations; drafts technical reports on findings.
* Researches, tests, and summarizes benefits of energy efficiency and renewable energy project concepts.
* Develops and delivers trainings on heating, ventilation, and air-conditioning (HVAC) controls and energy management for appropriate stakeholders.
* Advises on equipment specifications, conducts bidding process with equipment suppliers for upgrades and energy retrofits, and supports annual energy budget preparation.
* Reviews, monitors, and manages construction activities related to energy systems and equipment.
* Provides energy database support, including tracking and reporting of ECM and providing facility operational and use characteristics.
* Updates job knowledge by regularly participating in educational opportunities, reading professional publications, maintaining professional networks, and participating in professional organizations.

**Qualifications**

**Skills and Experience:**

* Knowledge of engineering practices and principles and experience in one or more of the following engineering fields: environmental, civil, mechanical, and electrical.
* Experience with building systems and equipment, including implementing energy efficiency measures and optimizing equipment use and scheduling to maximize energy and cost savings.
* Experience making routine determinations related to engineering principles and standards and offering recommendations for nonroutine matters.
* Experience interpreting engineering documents, evaluating construction plans, and using data from EMIS to monitor and control mechanical systems.
* Ability to perform technical analysis.
* Ability to verbally communicate technical and nontechnical information to various stakeholders.
* Familiarity with ASHRAE standards.
* Ability to manage time independently and meet schedules and deadlines.
* Ability to identify high-impact energy conservation measures and manage energy efficiency projects.

**Education:**

* Bachelor's degree in an applicable engineering field or other relevant degree from an appropriately accredited institution.