**Position Title:** Senior Energy Engineer

**Department:** Energy Services

**Reports To:** Energy Engineering Manager

**Subordinates:** N/A

**FLSA Status:** Professional Exempt

**Updated:** May 2021

**Position Summary:** This position requires a broad base of skills such as being technically savvy and verse in energy engineering solutions encompassing central plants, co-generation, HVAC, building automation, building envelope and renewable energy systems in commercial buildings.

**Essential Functions:**

* Interface with internal mechanical/electrical engineers, project managers/estimators, energy auditors, proposal specialists, automation engineers, service specialists, and executive management
* Articulate and convey specific technical information to clients regarding their facilities and relevant improvement or efficiency opportunities
* Operate at a high level of accuracy and productivity associated with developing energy conservation projects, and an ability to self-direct project development activities
* Conduct field energy surveys of facilities
* Process and understand utility data analysis
* Work with internal Brewer-Garrett proposal team
* Complete reports and spreadsheets of solutions
* Work with project managers/estimators when developing project costs
* Interact with customers on surveys and support sales during presentations
* Build rapport and productive working relationships with co-workers, customers, vendors, and other outside agents
* Develop savings calculations that are realistic yet aggressive and achievable
* Communicate to audit lead the background of those calculations
* Work with audit lead when calculations do not match expected results
* Continually refine energy calculations
* Act as audit lead or audit technical support as assigned
* Streamline work efforts to maximize productivity and accuracy
* Keep current with existing and future technologies
* Keep current with all pertinent certifications
* Provide support for any special projects assigned by the Energy Services Manager/Energy Engineering Manager
* Attend in-house training sessions
* Assist at conventions and seminars
* Present at conventions and seminars
* Other Duties
	+ Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.

**Sales Responsibilities:**

* Support sales efforts by developing solutions consistent with customers’ needs
* Assist the sales team when they are making a presentation to clients
* Work with sales to communicate issues and solutions and support with proposal generation and presentation
* Interact and develop solid relations with customers

**Supervisory Responsibilities:** This position has no supervisory responsibilities but could be a BG Mentor

**Qualifications:**

* Bachelor of Science in Mechanical Engineering; that includes knowledge of energy systems, energy efficiency, renewable energy, and sustainable practices for higher education, healthcare, government facilities, K-12 markets, and industrial manufacturing facilities.
* Min of 5-7 years as an Energy Engineer
* Experience with conducting and/or directing site surveys, and helping to perform energy calculations, and preparing comprehensive reports and presentations is necessary

**Preferred Skills:**

* C.E.M. certification and Professional Engineer status a plus
* Excellent communication, writing, presentation, and computer skills
* Proven ability in presenting energy project solutions to decision makers including financial and technical stake holders

**Work Environment**

* While performing the duties of this job, the employee occasionally works in outside weather conditions. The employee occasionally works near moving mechanical parts and in high, precarious places and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, risk of electrical shock and vibration. The noise level in the work environment is usually quiet to moderate.

**Physical Demands**

* Work is performed mostly in office settings. Some outdoor work is required in the inspection of various land use developments, construction sites or public works facilities. Hand-eye coordination is necessary to operate drafting instruments, computers and various pieces of office equipment. While performing the duties of this job, the employee is occasionally required to stand; walk; use hands to finger, handle, feel or operate objects, tools or controls; and reach with hands and arms. The employee is occasionally required to sit; climb or balance; stoop, kneel, crouch or crawl; talk or hear; and smell.