

Energy Engineer IV

Job description and duties:

- This position is for an Energy Engineer to play a leadership role in CVAL Innovations' project development and implementation team. This position will be located in the greater Dallas area.
- Analyzes, validates, and evaluates complex energy and facility performance data. Benchmarks energy performance against comparable buildings.
- Acts as team lead for building energy audits, conducts energy and sustainability analyses, and identifies opportunities to increase/improve building efficiencies and performance.
- Inspects and monitors building systems to determine energy use, identify energy savings opportunities, and quantify savings potential.
- Prepares written analyses and presents recommendations for building improvements.
- Prepares design documents and project specifications.
- Develops administrative and operational plans, project budgets, and implementation timelines in conjunction with the management team.
- Manages teams of contractors and in-house staff to ensure timely execution of energy projects in accordance with project specifications and budgets. Reviews and approves contractor payments.
- Visits project job sites and review contractor job progress and quality of work.
- Communicates with a broad team of stakeholders; provides specialized reports, serves as technical expert, and trains clients' personnel on proper operation and maintenance of equipment.
- Measures and verifies utility savings associated with completed projects.
- Acts as a subject matter expert on topics related to energy conservation, sustainability, and building technologies.
- Participates in and directs research and evaluations of new energy efficiency approaches, measures, practices, and equipment.
- Suggests and implements management solutions to address new or ongoing problems within project development and implementation team.
- Exercise direct supervision over assigned staff and hired contractors. Trains staff as necessary.
- Performs related duties and responsibilities as required.

Required Qualifications

- Bachelor's Degree from an accredited college or university in engineering, physical sciences, architecture, or a related field.
- At least five (5) years increasingly responsible experience in energy management or energy engineering field, including at least two (2) years of supervisory experience.
- License and certification:
 - Licensed Professional Engineer (P.E.)
 - Certified Energy Manager (CEM)

- Knowledge of building energy systems, including: heating, ventilating, and air conditioning (HVAC); HVAC controls; refrigeration; lighting and lighting controls; building envelope; motors; domestic hot water; and process loads.
- Knowledge of energy management practices.
- Knowledge of energy audit practices and instrumentation.
- Skilled in implementing, coordinating, and leading multifaceted energy efficiency and/or conservation projects for large commercial or public buildings.
- Ability to communicate clearly and effectively, both verbally and in writing.

Desired Qualifications

- Master's Degree.
- Certifications and accreditations:
 - Certified Commissioning Professional (CCP)
 - Building Commissioning Professional (BCxP)
 - Building Energy Assessment Professional (BEAP)
 - Certified Measurement and Verification Professional (CMVP)
 - Certified Energy Auditor (CEA)
 - Building Energy Modeling Professional (BEMP)
 - Leadership in Energy and Environmental Design Accredited Professional (LEED AP)
- Ability to manage multiple building upgrade projects concurrently.
- Knowledge of professional service and construction contracts.
- Energy modeling experience.
- Skilled in project scheduling.
- Skilled in quantitative analysis methodology to analyze energy use, energy rates, and utility bill data.
- Skilled in life cycle cost analysis for energy efficiency measures.
- Skilled in facility energy performance benchmarking.
- Skilled in use of computer applications and software associated with the preparation of plans and engineering computations.
- Ability to interpret and apply Federal, State and local policies, procedures, laws, and regulations.

Compensation & Benefits

The compensation for this position includes a salary commensurate with experience, paid holidays and vacation, and health insurance.

About CVAL Innovations

CVAL Innovations is a one-stop energy conservation firm with a singular focus to reduce energy waste and improve our customers' bottom-line. With deep experience spanning every aspect of the energy management industry and a passion for making our world more sustainable, CVAL is redefining the field of energy management.

CVAL Innovations, LLC was established in 2009 to provide energy conservation and project management services to industrial and commercial customers, providing complete sustainability solutions for the public, institutional, and private building sectors. We are a registered engineering firm through the Texas Board of Professional Engineers with expertise that encompasses building energy codes, comprehensive energy audits, building thermal envelope, illumination engineering, electrical system designs, motors, HVAC systems, renewable energy systems, and process loads. With corporate office in Irving Texas, our firm focus is to provide creative, cost-effective, and practical solutions customized for individual clients. Primary factors in CVAL's continued success are our holistic view to client energy consumption and needs, in-depth research to available best-of-the breed solutions, and expertise in procuring equipment and sources of funding. Our solutions lead to immediate, positive cash-flow and strong returns on investment for our customers.

For more information, please visit our [website](#).