Energy Engineer

Ridgeline Energy Analytics is seeking an **Energy Engineer I** to support energy efficiency, electrification, and solar projects for utility, government, and private-sector clients. This role combines engineering analysis, field work, and client communication. This is a remote position with field work with co-workers and in-person team meetings.

Our services

- Energy Analysis: support for residential, commercial, and industrial energy program implementation and evaluation, including data analysis, engineering reviews, energy auditing, and cost-effectiveness calculations
- Metering and Measurement: metering of industrial, commercial, and residential buildings and equipment, and building stock assessments
- Decarbonization: support for public and private clients, including utility rate and cost analysis, energy generation review, and analysis and costing of technology alternatives
- Study Design: pilot program design and operation, and metering study design
- Solar PV: electrical design review and third-party inspections

We serve

- Government agencies and utilities: design and evaluate programs and pilot new technologies in partnership with equipment manufacturers
- Investors: analyze and validate energy and renewable project performance to reduce risk and build confidence
- Building owners and facility operators: help industrial, commercial, and residential buildings operate more efficiently through energy analysis, auditing, and metering
- Solar professionals: review electrical designs, provide third-party inspections, and deliver continuing education

Our engineers work on a variety of technologies, they

- Grow the use of heat pumps, reduce installation costs, and make heat pumps, coupled with thermal storage, a key component of grid resiliency
- Help industrial sites develop projects like heat recovery to reduce operating costs and environmental footprint
- Complete heat load analyses and assist contractors with installation details to expand adoption of cold-climate heat pumps among low-income homeowners
- Help ensure quality installations of solar photovoltaic systems by applying their expertise in solar construction and the National Electrical Code

Duties and responsibilities

- Analyze energy efficiency measures to estimate potential savings and costs

- Work with multidisciplinary teams on residential, commercial, and industrial energy efficiency program projects; teams include engineers, installation contractors, electricians, and utility staff
- Support client relationships with utilities, manufacturers, and state agencies
- Learn from senior engineers, with Ridgeline providing support for EIT certification and PE licensure
- Assist with monitoring contractor and trade ally performance, including installation quality, safety, customer complaints, and corrective actions
- Use Microsoft Office, statistical software (e.g., R, Stata), Python, and field data collection tools, such as Fulcrum
- Use measurement equipment to build an understanding of complex mechanical systems

Qualifications

- B.S. in engineering or a related technical field
- Strong written and verbal communication skills
- Located in Massachusetts or Maine
- Willingness to travel approximately 30%, primarily in New England, with full travel reimbursement

Preferred

- 1–2 years of experience in energy efficiency, utility programs, consulting, or related sectors, including co-ops and internships
- Understanding of HVAC, energy efficiency, and building system technologies
- EIT, AEE CEM or CEA, NABCEP PVSI, BPI BSP, or similar certifications

Ridgeline offers

- A competitive salary
- Paid time off
- Health, dental, and vision benefits
- 401(k) retirement benefits
- 40+ hours per year of technical training

Learn more about Ridgeline at https://www.ridgelineanalytics.com. Apply by sending a cover letter and resume to info@ridgelineanalytics.com.

Ridgeline Energy Analytics is an Equal Opportunity and considers all applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran, or disability status.