Building Performance Analyst

Advanced Energy is a planning, technical and engineering services firm that provides market-based energy solutions. We work with electric utilities, state, federal and local governments, manufacturers and a wide variety of public and private partners. Advanced Energy offers program design and implementation, consulting, training, testing and research to provide market-based energy-related solutions for our five markets: residential, commercial and industrial, motors and drives, solar and electric transportation.

This position will support Advanced Energy’s residential energy services including SystemVision, a program that has certified over 5,000 new homes, designed to be healthy, safe, durable, comfortable and energy efficient. The position will be responsible for inspecting homes at various stages in the construction process, conducting plan reviews, performing HVAC load calculations, communicating with builders and their subcontractors and providing other technical services in the energy field to utilities, federal and state agencies, and other customers.

Job Responsibilities:

- Perform building plan reviews including load calculations and/or energy performance analysis.
- Conduct applied building science diagnostics: visit structures, conduct measurement tests, record results, summarize data, recommend solutions, define and interpret the importance of the implementation of corrective measures, and perform quality control.
- Perform QC inspections in accordance with Advanced Energy’s home performance programs (e.g. SystemVision for new and/or existing homes); use a variety of diagnostic tools and methods that may include blower door, duct blaster, air flow testers, air balancing equipment, etc.
- Provide advice, problem solving and instruction regarding corrective measures for meeting program requirements. Recommend specific system modifications or adjustments.
- Comply with all standards, policies and procedures, including safety and clean workspace procedures.
- Assist with preparation of workshops and presentations.
- Provide hands on assistance in deploying new technologies in the field and help establish equipment selection and measurement tools and techniques for energy-efficient homes.
- Serve as a technical expert for staff, clients and business partners regarding residential building technology.
- Maintain own technical and professional knowledge by attending workshops, reviewing professional publications, establishing personal networks, and participating in professional societies.
- Provide excellent customer services to clients by being timely, responsive and providing excellent verbal and written communications.

Qualifications:

- Associate degree or certificate program in building science, sustainable technologies, civil engineering or relevant field required. Combination of education and work experience may be considered in lieu of a degree.
• Preferred qualifications:
  o Current HERS Rater certification preferred; Rating Field Inspector (RFI) credential also acceptable
  o One or more years of technical work experience in the building science or construction field
  o Experience with blower door and duct blaster
  o Interest in affordable housing and/or energy efficiency
  o Willingness to learn new skills
  o Experience with Ekotrope energy modeling software and/or Wrightsoft load calculation software
• Intermediate level proficiency using Microsoft Office products.
• Problem solving and data interpretation skills; strong written and oral communication skills; ability to work in teams as well as independently; organization skills and attention to detail; ability to plan and carry out daily activities and meet deadlines; commitment to excellent customer service.
• Involves up to 60% travel mostly local to the Triangle area and in state where overnight stays not required.
• Must be able to work at building construction sites, or in crawl spaces and attics. Position will often require exposure to the elements and wearing personal protective equipment.
• Must be able to climb ladders, lift 30 pounds comfortably and follow safety requirements.

It is the policy of Advanced Energy to provide promotional/development opportunities for those individuals currently employed by the organization. Qualified employees are welcome to submit a resume for a position during the internal posting period of one (1) week. Please forward your resume to pmcdonald@advancedenergy.org or contact Patricia McDonald with any questions.

Location: Raleigh, NC

Employment Type: Full-time

Recruitment provided by Capital Associated Industries. To apply:
https://capital.applicantpool.com/jobs/420366.html

Advanced Energy is an Equal Opportunity of Women/Minorities/Veterans/Disabilities