Technical Consultant, Energy and Electric Utilities

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. We offer 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 provide advanced technical consulting and expertise in the energy field to utilities, builders, federal and state agencies, and other customers. The ideal candidate will have knowledge of the electric utility/energy industries and grid-edge demand side management technologies including but not limited to demand response, distributed generation, energy storage, energy efficiency and electrification. The position will support multiple projects and project teams primarily for the residential market and potentially across the other markets.

Essential Functions

- Conduct applied research studies to develop, implement and evaluate utility programs.
- Analyze technology, resource needs and market demand to plan and assess the feasibility of programs.
- Perform technical analysis and prepare reports and/or documentation to present concise results to customers.
- Assist in deploying new technologies in the field and troubleshoot root cause of problems.
- Perform field evaluations, summarize data and recommend solutions for energy technologies.
- Help select equipment or measurement tools and techniques for energy technology evaluation.
- Keep up to date with new technologies being deployed locally and/or nationally.
- Clarify and evaluate technical aspects of business opportunities and service requests from customers.
- Design and develop products and services that take advantage of new knowledge generated by applied research and studies.
- Maintain and develop own technical and professional knowledge through targeted development activities such as attending workshops, reviewing professional publications, establishing personal networks, and participating in professional societies.
- Conduct workshops and presentations.
- Provide technical mentoring for other staff.
- Participate on or lead project teams
- Coordinate project tasks, making detailed plans to accomplish objectives and assist with the integration of technical activities while adhering to project scope, timeline and budget.
Requirements

- Bachelor’s degree in relevant technical field required. Combination of education and work experience may be considered in lieu of a degree.
- Minimum of 5 years of technical work experience in the energy field related to job position
  - Relevant work should include:
    - Program implementation experience for an energy utility provider, or as a program administrator/consultant for a utility program.
    - Experience with technologies for demand response, distributed generation, energy storage, energy efficiency and electrification used in smart homes and buildings
  - Preferred experience with:
    - Economic drivers and policies that affect energy conservation and demand response.
    - Understanding of the new home construction market
    - Electric utility rate structures and design
    - Training and/or presentations on technical content
- 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, time management and attention to detail; ability to plan, manage and deliver projects; ability to develop and adhere to project budget; commitment to excellent customer service; technical writing and research skills.
- Position could involve up to 30% travel; Anticipated travel is 10-15%
- Position may require occasional work in excessive hot or cold temperatures or at building construction sites.
- Must be able to climb ladders, lift 30 pounds comfortably and follow safety requirements including wearing personal protective equipment.

Location: Raleigh, NC

Employment Type: Full-time

Recruitment provided by Capital Associated Industries. To apply:
https://capital.applicantpool.com/jobs/419802.html

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