

## Buildings, Senior Associate



### Company Overview

Rocky Mountain Institute is an independent, entrepreneurial, nonprofit think-and-do tank that drives the efficient and restorative use of resources and is currently focused on accelerating the U.S. transition from fossil fuels to efficiency and renewables. Established in 1982 by Amory Lovins, RMI began as a small group of colleagues focusing on energy solutions. It has since grown into a broad-based Institute with approximately 150 full-time staff, an annual budget of \$30 million, and a global reach.

RMI is engaged in research that addresses pragmatic designs, practices, and business models, not social theories or laboratory experiments. We work on all parts of the solution process—idea, strategy, and implementation—in the high impact areas of electricity, mobility and vehicle efficiency, electricity, energy and resource use, and the built environment (both existing and new).

RMI has offices in Basalt and Boulder, Colorado, New York City, Beijing, China, and Washington, D.C.

### Job Description

Rocky Mountain Institute is seeking candidates to fill a Senior Associate position within our Buildings Practice, which focuses on high performance commercial and residential buildings. The Senior Associate will be involved in a variety of projects, some of them at or beyond “state of the art”. Senior Associates commonly act as technical lead on projects and should be capable of scoping and managing their own work as well as that of a small team. Anticipated day-to-day activities include performing energy analytics such as energy modeling and life cycle cost analysis as well as developing novel analysis approaches, leading on-site audits, conducting research and data analysis, and writing blogs and papers. Responsibilities also include collaborating with other practices in the institute focused on solar energy systems, transportation, and sector integration with the electricity system.

Due to our non-profit status, a majority of our budget comes from donor contributions. As a result, RMI continually strives to achieve measurable success in our work. The Senior Associate will support RMI efforts to demonstrate, replicate and communicate the success of projects to industry and donor audiences.

### Qualifications

First and foremost, the successful candidate will demonstrate the following qualities:

- Intense curiosity and creativity
- Willingness to plunge into unfamiliar disciplines
- Willingness to take risks by exploring and testing new ideas
- Excellent quantitative analysis and modeling skills
- Excellent writing skills and presentation preparation capability
- Strong verbal communication skills
- Highly collaborative, strong team player
- Desire to change client’s and decision-maker’s minds on intensely important issues
- A passion for making the world better

We are currently looking to fill a role requiring a strong technical background, therefore significant experience in at least two of the following areas is required:

- Building energy analysis: Experience calculating energy cost savings and economic return of building energy measures. The ability to use EnergyPlus, OpenStudio, or Paramis is preferred. The ideal candidate will have experience calibrating existing building models and will have a strong understanding of the systems being simulated, such as HVAC. In addition to simulation, experience in measurement and verification, benchmarking, utility tariffs, and economic analysis is desired.
- Field experience: Commissioning, retro-commissioning, or energy auditing. Hands-on experience evaluating building envelope, controls, HVAC, and lighting systems. The ability to collect data on-site, such as electrical measurements, leverage data loggers, and collect historic trend data from the automation system is preferred. In addition to on-site work candidates should be able to calculate savings potential of energy measures using spreadsheet models.
- Design: Sustainable architecture, MEP design. Experience in the design and construction of buildings including developing drawings and specifications. The ideal candidate will have a strong understanding of building science, daylighting, and the latest energy efficiency methods and technologies. Experience with ASHRAE standards and sustainability rating systems such as ILFI Living Building Challenge and LEED is preferred.

#### Required Qualifications

- A graduate degree or equivalent experience in an applicable field such as architecture, or engineering (mechanical, electrical, civil, energy)
- 7 years work experience

#### Desired Qualifications

- EIT, PE, or AIA professional designation
- ASHRAE BEMP certification
- AEE CEM certification
- Programming skills

Location: Boulder, CO | Basalt, CO | New York, NY | Washington, D.C.

#### **HOW TO APPLY :**

Please submit cover letter and resume to [humanresources@rmi.org](mailto:humanresources@rmi.org)