

Energy Engineer -Wilmington, DE

New Ecology, Inc. is seeking candidates for the position of Energy Engineer in its Wilmington, DE office. This position is part of a growing team in the Mid-Atlantic that provides green building and energy efficiency services for a variety of new construction and retrofit projects. Our multidisciplinary teams support affordable housing and projects that benefit communities, and whose goals are to achieve high levels of energy efficiency and building performance. Projects typically seek certification through ENERGY STAR Homes, DOE's Zero Energy Ready Homes, Enterprise Green Communities, Passive House, or other green building programs.

The Energy Engineer will provide technical and construction management support to green building projects, including evaluating and auditing existing and proposed building systems to suggest performance improvements, energy modeling of new and old buildings, and data analytics. Meet and interact with facilities managers and contractors on site to conduct energy audits, explore upgrades of existing mechanical systems, prepare bid specifications for installation of efficiency upgrades, evaluate competitive bids, conduct site inspections and verify work is done to specifications. We are seeking a candidate with a mechanical engineering or related degree and experience with HVAC systems.

New Ecology is an innovative, nationally-recognized, non-profit corporation. Our core work is providing energy efficiency and green building services that cost-effectively improve the performance, health and durability of buildings. Our clients are typically owners of multifamily housing (with an emphasis on affordable housing), and community-based projects such as municipal, educational and arts buildings. Projects include buildings that are being newly constructed, renovated, or are just seeking improved performance; see www.newecology.org for more details on NEI's Mission; and www.energizedelaware.org/residential/affordable-multifamily-housing/ for a description of a green building program the Energy Engineer will serve.

Duties and Responsibilities:

Reporting to New Ecology, Inc.'s Director of Engineering, the Energy Engineer will collaborate extensively with project managers and other technical staff, as well as client's staff. Specific tasks will include:

- Preparing site visit reports to document project conditions with supporting narrative and photo descriptions;
- Conducting ASHRAE energy audits, including site assessments of mechanical, plumbing, and electrical systems and building enclosures. Writing audit reports;
- Analyzing energy usage and calculating savings using spreadsheet or energy modeling tools;
- Developing recommendations for energy efficient upgrades to building envelopes, plumbing, HVAC, lighting, appliances, on-site power generation, and other energy and water systems;



Community-Based Sustainable Development

- Estimating implementation costs and conducting cost-benefit analysis of upgrades; and
- Conducting quality control inspections of completed projects.

New Ecology typically seeks to hire multidisciplinary, lifelong learners who naturally seek deeper and deeper understanding of how buildings operate, how finances, markets, construction and regulations affect building ownership and tenants, and how this understanding can be used to persuade owners and operators to adopt greener practices and invest in water and energy efficiency upgrades.

Required Qualifications:

- A bachelor's degree in Mechanical Engineering or related field;
- Experience in evaluation of building mechanical systems and other building systems, HVAC design, and energy efficiency consulting work;
- Understanding of building science, energy-efficient buildings, renewable energy systems, and a curiosity to continually learn more;
- Strong interest in improving building performance to reduce energy use and enhance occupant comfort;
- Physical ability to inspect all aspects of buildings, including accessing basements and roofs, working outside, climbing stairs/ladders, and the ability to handle and carry equipment up to 40 pounds;
- A valid driver's license is required.

The ideal candidate will also have:

- An advanced degree;
- Experience in construction or home performance contracting;
- Demonstrated knowledge of residential construction and building systems;
- Professional designations such as LEED, CEM, BPI Multifamily;
- Ability to manage time effectively and within project budget constraints;
- Ability to be responsible for projects and deliverables;
- Strong writing skills and experience writing reports for clients;
- Experience commissioning and doing forensic diagnosis of HVAC equipment;
- Knowledge of utility rebate programs;
- Experience auditing multifamily, assisted living facilities, and public buildings;
- Experience facilitating bidding and pre-construction meetings with general contractors and subcontractors to review project goals, coordinate roles and responsibilities, and address questions regarding implementation of high-performance construction and retrofit projects; and
- Proficiency with Microsoft Office.

The candidate should be prepared for increased responsibility in a rapidly growing company.

Schedule:



Community-Based Sustainable Development

Full time, exempt. Regular travel to job sites and meetings throughout the Mid-Atlantic region (Delaware, Southern New Jersey, Southeastern Pennsylvania, Maryland, Washington D.C. and Northern Virginia.) Occasional travel to our Baltimore office, our headquarters in Boston, Massachusetts, and other job sites.

Compensation:

Competitive pay and generous benefits package. Professional development is a priority and we provide financial assistance for training and certifications.

To Apply:

Please submit your resume and a thoughtful cover letter explaining why you would be a good fit for this position to: careers@newecology.org (please place "Energy Engineer-Wilmington DE" in subject line).

NEI is committed to developing a diverse staff. We are an Equal Opportunity Employer. Minorities and women are encouraged to apply.