

Explore a Career in Building Energy Efficiency Energy Data Collector

Looking for a job that makes a difference and leads to long-term career growth? A role as an Energy Data Collector is a great way to get started in the fast-growing energy efficiency field.

Why Choose a Career in Energy Efficiency?

Energy efficiency jobs help make buildings healthier, safer, and more affordable to live in. Energy efficiency means using less energy to keep homes and buildings warm, cool, and well-lit—without driving up energy bills. Working in this field helps people save money, live more comfortably, and improve the quality of their homes. It's a fast-growing industry with reliable jobs and real opportunities to learn, grow, and build a long-term career.

Start Your Career in Energy Efficiency as an Energy Data Collector

One way to begin a career in energy efficiency is by working as an Energy Data Collector. This role involves visiting homes and buildings to record basic information about things like heating and cooling systems, insulation, windows, and lighting. The data you collect helps energy professionals understand how buildings use energy—and how to make them better, safer, and more affordable for the people who live and work in them.

Benefits of a Career as an Energy Data Collector

- **No College Degree Required:** Positions are accessible with a high school diploma.
- **Hands-On Experience:** Gain practical experience in the growing energy efficiency sector.
- **Career Growth:** Gain experience and move into higher-paying roles like Energy Auditor, HERS Rater, or Sustainability Manager.
- **Impactful Work:** Support better building standards, lower energy bills, and reduce wasted energy.
- **Job Security:** The growing demand for energy efficiency professionals means steady jobs and opportunities for advancement. These roles are local and less likely to be outsourced or automated.
- **Salary Range:** [Energy data collection positions](#) pay \$42,000–\$64,000 and could include health insurance, paid time off, retirement plans, and mileage reimbursement.

Key Responsibilities

- Strong attention to detail and ability to follow data collection procedures
- Basic knowledge of building materials, heating and cooling systems, and energy efficiency
- Familiarity with digital tools for data entry and documentation
- Inspect homes and buildings to document insulation, windows, HVAC systems, and lighting
- Use thermal cameras, digital measuring tools, and apps used to collect data
- Communicate with homeowners, contractors, and property managers to gather relevant details
- Follow standard data collection methods for accuracy and consistency
- Contribute to real-world energy efficiency research and improvement of energy programs






Essential Qualifications and Skills

- Effective communication skills (verbal & written)
- Ability to work independently in the field
- Basic computer skills (spreadsheets, data management tools)
- Driver's license required; access to a vehicle for site visits and fieldwork may be required

Education, Training, and Experience

Required Education and Training:	Preferred Education and Training:	Preferred Experience:
<ul style="list-style-type: none"> • High school diploma or equivalent • On-the-job training or entry-level experience in a related field, such as data collection methods or building assessments 	<ul style="list-style-type: none"> • Associate or bachelor's degree in environmental science, construction management, engineering, architecture, or a related field • Coursework or certifications in green building practices, energy efficiency programs, or building science • Possess OSHA 10 card 	<ul style="list-style-type: none"> • Experience in construction, energy auditing, building performance assessment, or related fields • Familiarity with energy efficiency programs, rating systems (e.g., ENERGY STAR, LEED), or compliance documentation • Familiarity with building performance analysis tools and field data collection methods

Who Hires Energy Data Collectors?

-  Energy efficiency consulting firms
-  Home energy rating companies (e.g., RESNET, HERS raters)
-  State energy offices, local governments, and utilities
-  Nonprofits focused on energy and sustainability
-  Private builders, construction firms, and real estate developers



How to Get Started as an Energy Data Collector

Research Job Opportunities:

- Look for roles like Energy Assessor, Energy Auditor, Energy Efficiency Technician, or Home Energy Surveyor on:
- [LinkedIn Jobs](#) | [Indeed](#) | Government, nonprofit, & utility job boards

Pursue Relevant Education and Training:

- Learn building science & energy efficiency through:
 - DOE [Building Science Education](#), [Building Energy Codes Program](#) and specifically their [Field Study Trainings](#)
 - IREC [Clean Energy Resources and Training](#)
 - Building Performance Association (BPA) - [Building Science Principles Course](#)

Gain Practical Experience:

- Apply for internships, apprenticeships, or entry-level roles in energy auditing or construction
- Volunteer with energy efficiency programs

Obtain Certifications to Stand Out:






- Consider certifications in energy auditing, remote virtual inspections, or data collection from building efficiency organizations like:
- [RESNET](#) – Home energy rating system (HERS Rater) & certification programs
- Building Performance Institute ([BPI](#)) – Energy auditor & building analyst training

Network and Stay Informed:

- Engage with energy efficiency organizations like NEEP, the U.S. Department of Energy, or other energy efficiency networks
- Attend training sessions, webinars, or conferences to stay informed about industry advancements and local building practices

Career Growth & Future Opportunities

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-  HERS Rater – Performs home energy assessments.
-  Energy Auditor – Evaluates energy use & recommends improvements.
-  Code Official – Ensures buildings meet energy & safety codes.
-  Building Performance Analyst – Uses data to understand energy use.
-  Sustainability Manager – Leads energy & sustainability initiatives.



Additional Resources for Further Exploration

- International Code Council (ICC) – [Training and certification for building professionals](#)
- International Code Council, [Introduction to Building Codes](#)
- International Code Council, [Mentor Program](#)
- International Code Council, [Training and Certification](#)



Begin your journey as an Energy Data Collector today and make a long-lasting investment in yourself and in your community's safety and well-being.