



Environmental and Financial Design, Planning, and Management Energy-Carbon-Agriculture-Transportation

ENERGY AUDIT FAQs

Q: What exactly is an Energy Audit?

A: An Energy Audit is an assessment of how much energy your home consumes, combined with suggestions on how you can make your home more energy-efficient. An audit shows you where your house is losing energy, and how your insulation, heating and cooling systems, electrical systems and appliances, could be made more efficient.

Q: What happens during an Energy Audit?

A: Your Energy Audit will involve:

- A Blower Door Test
- Evaluation of existing energy equipment
- Evaluation of electrical system/s
- Evaluation of the building envelope and ventilation system
- Location and report of energy savings opportunities and identification of thermal or infiltration issues.
- A feasibility report and cost analysis for solar thermal, geothermal and PV (solar electric) opportunities.
- We create this report with software (RESNET) and our own methodology.

Q: What is the cost of an Energy Audit?

A: The cost of an Energy Audit depends on the size and complexity of the site. For a residential building, for instance a single family home, the cost may range between \$300–\$400. A multi unit building and light commercial audit is significantly more. Contact us directly for a quote.

Q: Will I be reimbursed for the cost of my audit, if I decide to use American Renewable Energy to design/build a RE energy system?

A: Yes, if you decide to use our services for design/build of a renewable energy system, the cost of your audit will be applied towards any design or engineering fees. (residential audits only)

Q: If I do not build a renewable energy system, and just have an audit done, how much money can I expect to save?

A: If you do not use us to design/build a renewable energy system for your home, but you take action on our recommendations, you should save the cost of this audit within the 24 months.

Q: I am looking for a RE energy system, why should I have an audit done first?

A: Because we custom design every RE energy system to be site-specific, we must first understand the efficiency of your building, and apply any simple energy-saving opportunities prior to renewable considerations. By doing this, we are able to design a smaller RE system that costs you less, exceeds the performance standards necessary to meet your energy needs, and is the best return on your investment.