



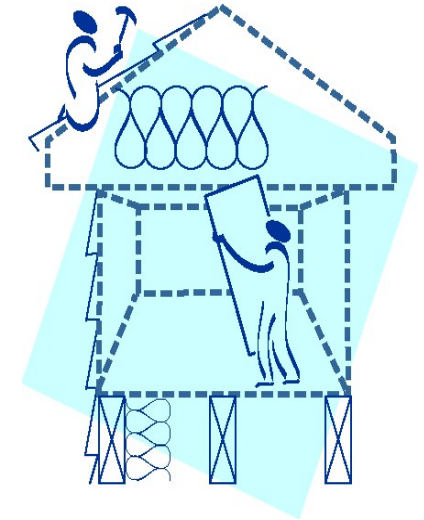
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## **What to Expect During Your Energy Audit**



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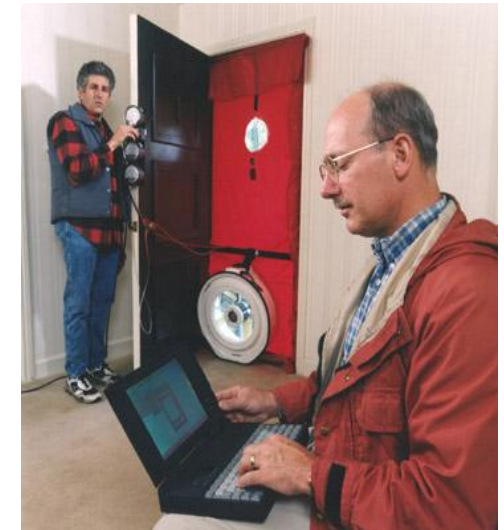
When we conduct an energy audit, we try to look at all parts of the house that use or lose energy. Typically an audit takes from 2 to 3 hours depending on the size and complexity of the house. During the audit we will do the following:

- ◆ Sit down with you and discuss the issues and concerns that have led you to request an audit,
- ◆ Walk through the house to see all rooms and areas,
- ◆ Conduct a safety test of the furnace and water heater and estimate the efficiency levels of the systems,
- ◆ Inspect the insulation levels of the home,
- ◆ Measure the size of the house,
- ◆ Conduct a blower door test,
- ◆ Inspect for drafty areas while the blower door is operating,
- ◆ If conditions permit, inspect the walls and ceilings with an infrared camera,
- ◆ Analyze 1 year of past gas/electric bills,
- ◆ Conduct any special tests requested by the homeowner, and
- ◆ Briefly discuss preliminary findings with owner.

Following the visit to the house, we will analyze the information collected and write a report. The report will include a set of suggested action items that we feel will be either cost-effective or valuable because they will increase the level of comfort in the house. The report and an invoice will then be mailed to the homeowner. Payment is expected at the time the report and invoice are received.

We are happy to respond to questions about the suggested action items. If anything is unclear, please call or email us so that we can explain the action items and suggested alternative solutions. We are also happy to speak with contractors hired to implement the action items.

After some or all of the suggested action items are taken, we will be happy to make a return visit to the house and inspect or retest the home to see if the actions have addressed the problems adequately. There will be no charge for the return visit.



## Using Advanced Equipment

Kouba-Cavallo Associates uses advanced equipment to diagnose home comfort and energy problems. Infrared scanning has become an important tool to identify unevenly distributed or absent insulation. Infrared scanning is used with a blower door (see picture above) to identify where air is infiltrating or escaping from the house and creating zones of discomfort.