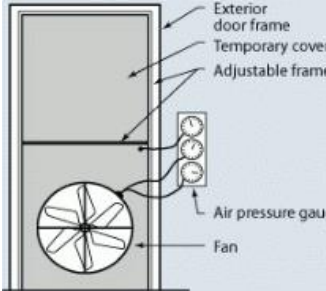


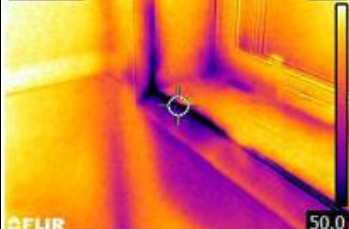
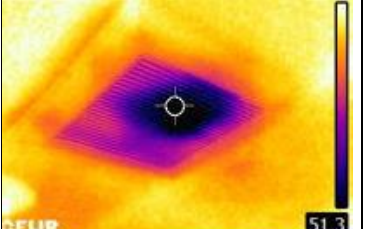


Elements of a Professional Home Energy Audit*

A professional energy assessment can provide you with a roadmap to saving money and improving the comfort of your home. They are conducted by professionals that have industry accepted credentials and go into great detail to assess your home's energy use. The energy assessor will do a room-by-room examination of the residence, as well as a thorough examination of past utility bills. Major elements of a home energy audit include:

<p>Blower Door Test: It locates air leaks by using a special fan to depressurize a house and is conducted before and after air sealing to measure the effectiveness of the work.</p>	 <p>Labels in diagram: Exterior door frame, Temporary cover, Adjustable frame, Air pressure gauge, Fan.</p>	 <p>DID YOU KNOW?</p> <p>The average home has enough air leakage to add up to a two-foot-square hole. That's like leaving a medium-sized window wide open 24 hours a day.</p>
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<p>Thermographic Scan: Infrared cameras help to detect sources of energy loss (darker = cold).</p>	 <p>FLIR 55.3</p>	 <p>FLIR 50.0</p>	 <p>FLIR 51.3</p>
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The home assessor's report should include the following information and recommendations:

- Where air sealing is needed to reduce air leakage and drafts.
- Where and how much insulation should be added to your home's attic, foundation, or walls to prevent heat loss.
- If ducts in unconditioned spaces should be sealed and insulated.
- If any parts of the home with internal moisture or mold need removal or repairs to improve air quality and reduce deterioration.
- The current efficiency of heating, cooling and hot water equipment and if any improvements are needed.
- If home ventilation, smart thermostats, LEDs, smart power strips, ENERGY STAR appliances, solar PV, an electric vehicle charger, and other efficient technologies should be considered to improve home performance.

The right mix of improvements to your home will depend on the age and quality of current equipment, the local climate, and your home energy goals. But getting a professional energy assessment will let you know the best ways to increase your energy efficiency and comfort.

* <https://www.energy.gov/energysaver/professional-home-energy-assessments>

* <https://www.energy.gov/energysaver/articles/energy-saver-101-infographic-home-energy-audits>