



Do-It-Yourself Home Energy Audit

Summer cooling and winter heating, followed by water heating, are traditionally the major users of energy in your home. Use this list to check items in your home; you could fix a problem that can save you money on your next electricity bill!

Heating and Cooling System *(typically the biggest energy user in your home)*

- Has your system been serviced by a licensed heating and cooling contractor in the last year, with emphasis on correct refrigerant levels, cleaning both outdoor condenser coil and indoor evaporator coil, and checking for air flow problems you may have, including duct system leaks (dusty and dirty return air grills can be a sign of duct leakage)? ___(Y/N)
- Is your system insulated and sealed properly? Is the tape letting go? ___(Y/N)
- Do you have comfort problems (temperature differences from room to room, lack of air velocity from air vents) anywhere in your home? ___(Y/N)
- Do you check your filter monthly and change when dirty (usually 4-6 times per year)? ___(Y/N)
- Do you keep your thermostat on 78 degrees or higher in the summer and 68 degrees or lower in the winter? ___(Y/N)

Electric Water Heater *(typically the second biggest energy user in your home)*

- Is your water heater free of leaks and faucet “drips”? ___(Y/N)
- Is your thermostat set no higher than 120 degrees? ___(Y/N)
- Are you experiencing a shortage of hot water, or have you experienced a significant increase or decrease in hot water temperature (these are signs of a possible element problem)? ___(Y/N)
- Are your hot water lines insulated? ___(Y/N)
- Is your water heater tank covered with a “blanket” for extra insulation? ___(Y/N)

The Thermal Envelope

- Is your attic insulation rated at R-30 or better (12-14 inches of blown insulation or 9-10 inches of batt insulation)? ___(Y/N) Is it installed unevenly or is it falling from attic walls or high ceiling applications? ___(Y/N)
- Do your windows have two panes of glass (either double pane or single pane with storm)? ___(Y/N)
- Is your floor area (basement, crawl space, or garage ceiling) insulated? ___(Y/N) Is it falling down? ___(Y/N)
- Do you have 6 mil plastic on your dirt crawl space floor? ___(Y/N)
- Are all of your windows and outside doors, including attic access doors and attic knee wall doors, caulked and weather-stripped properly? ___(Y/N)
- Are all penetrations (plumbing, electrical, other) from the crawl, basement, or attic to conditioned areas sealed? ___(Y/N)

You're done!

Now that you have identified issues that can drain energy dollars from your home, you can begin to save energy and money by taking appropriate action. Some issues can be handled by visiting your local builders supply store, picking up needed materials and completing the tasks yourself. Other, more significant issues may need the expertise of a heating and cooling contractor, plumber or insulation contractor.