

HOME ENERGY AUDIT – SHORT VERSION

Complete the following home energy audit to determine potential energy savings in your home. Mark *Done* for those action items already in place and *Not Done* for actions that need to be completed. Indicate the completion date of action items you implement. The *Fast Facts* section provides additional information of the energy saving action. Visit www.utahcleanenergy.org for a more comprehensive version of this audit.

Action	Done	Not Done	Date Comp.	Fast Facts
LIGHTING				
I have replaced my 10 most frequently used incandescent light bulbs with ENERGY STAR Compact Fluorescent Lights (CFLs), which are 2/3 more energy efficient and last 10 times as long.				If every US household replaced 5 lights with ENERGY STAR bulbs, we could prevent the annual output of more than 21 power plants! CFLs give off the same amount of light and you can save around \$25 in energy costs per CFL bulb. CFLs are not appropriate for all fixtures, including those with dimmers or motion detectors.
I turn the lights off when I am not in the room.				Nearly 10 % of the average home’s electricity costs can be controlled with the flip of a light switch.
REFRIGERATOR AND APPLIANCES				
My refrigerator and appliances are ENERGY STAR-rated.				Refrigerators account for 10% of your energy bill, and refrigerators built prior to 1990 can use two to three times more energy than new energy-efficient models.
I turn off, computers, printers, TV’s, DVD’s, speakers, and other electronics when not in use. I plug electronics into a power strip and switch off when not in use.				Beware of phantom loads! Some appliances continue to use energy when they are not on but still plugged in. Buy ENERGY STAR products that save energy while in the “off” mode. In the average US home, 40% of all electricity used to power home electronics is consumed while the products are turned off. Across the US, this equals the annual output of 17 power plants. Power strips can be used to shut off any power to the electronics, so no energy is wasted.
I have recycled my extra refrigerator(s).				By discontinuing the use of a second refrigerator, you can save about \$150 a year on your electricity bill and prevent 4500 pounds of global warming pollution each year. Rocky Mountain Power offers a cash incentive to recycle old, inefficient refrigerators, and they will even pick it up from your home. Contact your local utility to see about similar programs.
The dishwasher, washer and dryer are only run when they are fully loaded, and they are run in the “Energy-Saving” mode.				The “Energy-Saving” setting uses less water and less energy to wash and dry the dishes.

Action	Done	Not Done	Date Comp.	Fast Facts
I dry my clothes on a line or a drying rack.				If you dry your clothes outside 6 months per year, you will prevent 1000 pounds of carbon dioxide annually. You'll save money and your clothes will smell summertime-fresh.
WATER				
The hot water heater thermostat is set to 120°F and has a hot water heater blanket to keep it insulated.				For each 10°F reduction in water temperature, you can save between 3%–5% in energy costs. Reducing your water temperature to 120°F slows mineral buildup and corrosion in your water heater and pipes. Check your dishwasher’s manual for the appropriate water temperature.
I have aerator faucets and low-flow showerheads that save water while still providing adequate flow.				Inexpensive and simple to install, low-flow shower heads and faucet aerators can reduce your home water consumption as much as 50%, and reduce your energy cost of heating the water also by as much as 50%.
HEATING & COOLING				
I have and use a programmable thermostat to automatically set back the temperature while I am away or sleeping.				A programmable thermostat, when used properly, can save as much as 10% a year on your heating and cooling bills by automatically adjusting your thermostat while you are away or sleeping. They are easy to set according to your schedule.
During the heating season, I set the thermostat at 68°F or lower when I am home. When away for 4 hours or more, it is set at 55°F. I also set my thermostat lower at night while I am asleep.				For every degree you lower your heat, you save up to 5% on heating costs.
I use solar passive heating during the winter by opening the drapes/blinds on south-facing windows to let the sun shine in to heat my home. At night, I close the drapes to retain indoor heat.				In the summer, do the opposite by closing your drapes during the day to keep out the sun’s warm rays.
I have an evaporative or “swamp” cooler. With Utah’s arid climate, evaporative coolers are the most efficient way to cool in the southwest.				Cooling accounts for 30% of home energy use. Evaporative coolers use 1/5 the energy of a central air conditioner. If you have an air conditioner, make sure it has an ENERGY STAR label with a SEER rating of 13 or above.
During the summer, the thermostat is set at 78°F or higher when I am home. When I’m away for 4 hours or more, it is set at 85°F.				By combining proper equipment maintenance and upgrades with appropriate insulation, air sealing, and thermostat settings, you can cut your energy use for heating and cooling, and reduce global warming pollution by 20% - 50%.

This Energy Efficiency Audit was adapted by Utah Clean Energy from *Alliance to Save Energy’s Home Energy Audit and PowerSmart Brochure*, www.ase.org; *American Council for an Energy –Efficient Economy’s Home Energy Checklist for Action*, www.aceee.org; and *Energy Efficiency and Renewable Energy Network’s Energy Savers Brochure*, www.eren.doe.gov.

MORE ENERGY EFFICIENCY RESOURCES**✎ Utah Clean Energy: www.utahcleanenergy.org**

Utah Clean Energy is a non-profit working to speed the transition to a cleaner, safer, more sustainable energy future. Visit us on-line for more information on energy efficiency and to download this home energy audit to share with friends and family.

✎ US Environmental Protection Agency ENERGY STAR Program: www.energystar.gov

ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices. Learn about energy efficient choices for your home or business to reduce energy costs.

✎ A Do-It-Yourself Guide to ENERGY STAR Home Sealing:

www.energystar.gov/ia/home_improvement/home_sealing/DIY_COLOR_100_dpi.pdf

Download this do it yourself guide to help seal the envelope of your home or building. This easy step by step guide gives great instructions and explanations to find and fix air leaks in your basement or attic, and how to add more insulation.

✎ Department of Energy's Consumer's Guide to Energy Efficiency and Renewable Energy

<http://www.eere.energy.gov/consumer/>

The Department of Energy's Energy Efficiency and Renewable Energy Program provides quick links to home, automobile, and workplace energy efficiency tips.

✎ Energy Efficiency and Renewable Energy Network (EREN): www.eren.doe.gov

Learn about energy efficient buildings, transportation and power, and learn the basics of all the different kinds of renewable energy.

✎ Alliance to Save Energy: www.ase.org

A non-profit organization dedicated to promoting the efficient use of energy to strengthen America's economy, improve the environment, make housing more affordable and move the country toward energy independence.

✎ American Council for an Energy-Efficient Economy: www.aceee.org

ACEEE is a non-profit organization dedicated to advancing energy efficiency, economic prosperity and environmental protection. To learn more about ways to save energy and available incentives for energy efficiency upgrades, download the *Consumer Guide to Home Energy Savings*.

✎ Rocky Mountain Power: www.rockymountainpower.net

Learn how to reduce energy use in your home or your business and Rocky Mountain Power's incentives for efficiency upgrades.

✎ Consumer Federation of America www.buyenergyefficient.org

Consumer Federation of America is an advocacy, research, education, and service organization offering a consumer guide to buying energy efficiency products for the home.

✎ Consumer Reports www.greenerchoices.org

Find tools such as energy calculators, rebate information, links to information about local energy, and energy-efficient products.

✎ Southwest Energy Efficiency Project www.swenergy.org

The Southwest Energy Efficiency Project (SWEEP) is promoting greater energy efficiency in a six-state region that includes: Arizona, Colorado, Nevada, New Mexico, Utah, & Wyoming. Visit their website for consumer and business energy efficiency tips.