





















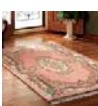


## HOME ENERGY CHECKLIST:

### SIMPLE WAYS to SAVE ENERGY, SAVE MONEY, & REDUCE YOUR CARBON FOOTPRINT









✓	ACTION	FAST FACTS	\$
<b>LIGHTING</b>			
	<ul style="list-style-type: none"> <li>Replace 10 most frequently used incandescent light bulbs with Energy Star Compact Fluorescent Lights (CFLs)</li> <li>CFLs are available in different sizes, shapes, and wattages, for indoors and outdoors, including 3-way and dimmable.</li> <li>CFLs are 2/3 more energy efficient and last 10 times as long.</li> </ul>	<ul style="list-style-type: none"> <li>If every US household replaced 5 lights with ENERGY STAR bulbs, we could prevent the annual output of <b>more than 21 power plants!</b></li> <li>Save about <b>\$30 or more</b> in electricity costs over each bulb's lifetime.</li> <li>Be sure to use the right kind of CFL - there are special bulbs for dimmer and 3-way switches.</li> <li>Dispose of your spent CFLs properly - <b>recycle them:</b> <a href="http://www.deq.utah.gov/Pollution_Prevention/CFLs.htm">www.deq.utah.gov/Pollution_Prevention/CFLs.htm</a></li> </ul>	
<b>REFRIGERATOR &amp; APPLIANCES</b>			
	<ul style="list-style-type: none"> <li>My refrigerator and appliances are ENERGY STAR rated.</li> </ul>	<ul style="list-style-type: none"> <li>In Utah, refrigerators account for about 20% of your electricity use</li> <li>Refrigerators built prior to 1990 can use two to three times more energy than new efficient models.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>I have recycled my extra refrigerator(s).</li> </ul>	<ul style="list-style-type: none"> <li>Prevent 4500 pounds of global warming pollution each year and save about \$150 a year on your electricity bill by discontinuing the use of a 2<sup>nd</sup> refrigerator.</li> <li>Rocky Mountain Power offers <b>\$30</b> to recycle old refrigerators, and they will pick it up from your home. Contact your local utility to see about similar programs.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>My refrigerator temperature is set to 37° to 40°F for the fresh food compartment and 5°F for the freezer section. If I have a separate freezer for long-term storage, I keep it at 0°F. I regularly defrost my freezer.</li> </ul>	<ul style="list-style-type: none"> <li>Place an inexpensive appliance thermometer in a glass of water in the center of the refrigerator and one between frozen packages in the freezer. Read them after 24 hours.</li> </ul>	
	<ul style="list-style-type: none"> <li>My refrigerator coils (located beneath or behind) are cleaned at least once a year.</li> </ul>	<ul style="list-style-type: none"> <li>Refrigerator coils are heat exchange surfaces. Keep them clean to operate at peak efficiency.</li> <li>Unplug the refrigerator before cleaning the coils with a vacuum cleaner or soft brush.</li> </ul>	
	<ul style="list-style-type: none"> <li>Unplug or plug into a power strip those appliances with adaptors or standby lights - switch off the power strip when not in use.</li> </ul>	<ul style="list-style-type: none"> <li><b>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.</b></li> <li>Many appliances use energy when they are plugged in but not on (called "phantom loads").</li> <li>Use power strips to shut off any power to the electronics when not in use.</li> <li>ENERGY STAR products save energy while in the 'off' mode.</li> </ul>	

✓	ACTION	FAST FACTS	\$
<b>LAUNDRY &amp; DISHES</b>			
	<ul style="list-style-type: none"> <li>My dishwasher and/or clothes washer are ENERGY STAR rated.</li> </ul>	<ul style="list-style-type: none"> <li>Compared to a model manufactured before 1994, an ENERGY STAR rated clothes washer can save up to \$110 per year on your utility bills and save more than 20 gallons of water per load.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>The dishwasher, washer and dryer are run only when they are fully loaded.</li> <li>I air dry my dishes.</li> <li>I use the energy-saving mode on the dishwasher, washer and dryer, if they have one.</li> </ul>	<ul style="list-style-type: none"> <li>Run your dishwasher with a full load, since most of the energy used goes to heat water.</li> <li>The "Energy-Saving" setting uses less water and less energy to wash and dry dishes and/or clothes.</li> </ul>	
	<ul style="list-style-type: none"> <li>I dry my clothes on a clothes line or drying rack</li> </ul>	<ul style="list-style-type: none"> <li>Prevent 1000 pounds of carbon dioxide annually by drying your clothes outside 6 months per year.</li> </ul>	
	<ul style="list-style-type: none"> <li>I use a front loading laundry machine.</li> </ul>	<ul style="list-style-type: none"> <li>Get a rebate from your utility for highly efficient washers and dryers. They clean better and use much less water!</li> </ul>	\$
<b>WATER</b>			
	<ul style="list-style-type: none"> <li>I have aerator faucets and low-flow showerheads.</li> </ul>	<ul style="list-style-type: none"> <li>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%.</li> <li>See Questar Gas' <a href="http://www.thermwise.com">www.thermwise.com</a> for more info.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>None of my faucets have leaks, especially my hot water faucets.</li> </ul>	<ul style="list-style-type: none"> <li>Water leaks are just money, water, and energy down the drain.</li> <li>Repair leaky faucets as quickly as possible; a slow drip could waste up to 48 gallons of water a week.</li> </ul>	
	<ul style="list-style-type: none"> <li>My hot water heater thermostat is set to 120° F (be sure to check your dishwasher's manual for the appropriate water temperature)</li> </ul>	<ul style="list-style-type: none"> <li>For each 10°F reduction in water temperature, you can save between 3%-5% in energy costs.</li> <li>Reducing your water temperature to 120°F slows mineral buildup and corrosion in your water heater and pipes.</li> </ul>	
	<ul style="list-style-type: none"> <li>My water heater is properly insulated with a water heater blanket, and my hot water pipes are covered with sleeve insulation.</li> </ul>	<ul style="list-style-type: none"> <li>Hot water heater blankets cost only around \$10 (Questar Gas provides one for free with an in-home energy audit). You can recoup the cost of the blanket in less than a year from energy savings.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>My hot water heater is ENERGY STAR rated</li> <li>I have a tankless ('on-demand') hot water heater <i>or</i> a solar thermal system.</li> </ul>	<ul style="list-style-type: none"> <li>Water heating is 13% of your utility bill.</li> <li>Consider upgrading if your water heater is more than 7 years old.</li> <li>Questar Gas offers rebates for all of these options, see <a href="http://www.thermwise.com">www.thermwise.com</a> for more info.</li> </ul>	\$
<b>HEATING &amp; COOLING</b>			

✓	ACTION	FAST FACTS	\$
	<ul style="list-style-type: none"> <li>I have and use a programmable thermostat to automatically adjust the temperature throughout the week and when away.</li> </ul>	<ul style="list-style-type: none"> <li>A properly used programmable thermostat can save as much as 10% a year on heating and cooling bills by automatically adjusting the thermostat while you are away or sleeping. They are easy to set according to your schedule.</li> </ul>	
	<ul style="list-style-type: none"> <li>WINTER: I set the thermostat at 68° F or lower when I am home.</li> <li>When away for 4 or more hours or sleeping, I set it at 55° F or lower</li> <li>SUMMER: I set the thermostat at 78° F or higher when I am home during the summer.</li> <li>I set it at 85° F when I'm away or sleeping.</li> </ul>	<ul style="list-style-type: none"> <li>For every degree you lower your heat, you save up to 5% on heating costs.</li> <li>Reduce global warming pollution by 20% - 50% through proper heating and cooling equipment maintenance, upgrades, appropriate insulation, air sealing, and thermostat settings.</li> </ul>	
	<ul style="list-style-type: none"> <li>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.</li> <li>At night, I close the drapes to retain indoor heat.</li> </ul>	<ul style="list-style-type: none"> <li>In the summer, do the opposite by closing your drapes during the day to keep out the sun's warm rays.</li> </ul>	
	<ul style="list-style-type: none"> <li>My furnace and A/C filters are clean; I replace filters monthly during the heating and cooling season.</li> </ul>	<ul style="list-style-type: none"> <li>Clean furnaces run more efficiently saving energy and money.</li> </ul>	
	<ul style="list-style-type: none"> <li>I close and seal the fireplace damper when I am not using it.</li> </ul>	<ul style="list-style-type: none"> <li>Closing the damper prevents heat/cold air from escaping.</li> <li>Special damper seals are available.</li> </ul>	
	<ul style="list-style-type: none"> <li>I have an evaporative or "swamp" cooler.</li> </ul>	<ul style="list-style-type: none"> <li>Cooling accounts for 30% of home energy use.</li> <li>Evaporative coolers are the most efficient way to cool in the southwest's arid climate and they use 1/5 the energy of a central air conditioner.</li> <li>If you have an air conditioner, make sure it has an ENERGY STAR label with a SEER rating of 13 or above.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>I have installed an ENERGY STAR ceiling fan.</li> </ul>	<ul style="list-style-type: none"> <li>ENERGY STAR rated ceiling fans make a room feel 5°F cooler and are 50% more efficient than conventional fans.</li> <li>In the winter, set your fan to turn in the clockwise direction to help efficiently distribute warm air.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>My vents, radiators, heating and cooling equipment are not blocked by furniture, rugs, drapes, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Adequate space around heating and cooling equipment allows it to operate efficiently.</li> </ul>	

**ADDITIONAL ENERGY EFFICIENCY RESOURCES:**

- ✓ Utah Energy Conservation Coalition: [www.utahenergy.org](http://www.utahenergy.org)
- ✓ US Environmental Protection Agency ENERGY STAR Program: [www.energystar.gov](http://www.energystar.gov)
- ✓ Dept of Energy's Consumer's Guide to Energy Efficiency and Renewable Energy [www.eere.energy.gov/consumer](http://www.eere.energy.gov/consumer)
- ✓ Energy Efficiency and Renewable Energy Network (EREN): [www.eren.doe.gov](http://www.eren.doe.gov)
- ✓ Alliance to Save Energy: [www.ase.org](http://www.ase.org)
- ✓ American Council for an Energy-Efficient Economy: [www.aceee.org](http://www.aceee.org)
- ✓ Rocky Mountain Power: [www.rockymountainpower.net](http://www.rockymountainpower.net)
- ✓ Consumer Federation of America [www.buyenergyefficient.org](http://www.buyenergyefficient.org)
- ✓ Consumer Reports [www.greenerchoices.org](http://www.greenerchoices.org)
- ✓ Southwest Energy Efficiency Project <http://www.swenergy.org/>

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	<ul style="list-style-type: none"> <li>I have checked my roof, walls, doors, ceilings and windows for leaks and sealed them appropriately. My air ducts are properly sealed and insulated.</li> </ul>	<ul style="list-style-type: none"> <li>Leaking ducts can reduce system efficiency up to 30 %.</li> <li>Seal leaks with mastic, instead of duct tape.</li> <li>Hire a contractor or see the "Do-It-Yourself Home Sealing Guide" for proper sealing methods.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>My doors and windows have weatherstripping between them and the frames.</li> </ul>	<ul style="list-style-type: none"> <li>Weather stripping ensures a tight fit for doors and windows, avoiding drafts and air leaks.</li> </ul>	\$
	<ul style="list-style-type: none"> <li>I have high-efficiency ENERGY STAR rated, Low-E windows</li> <li>I have installed storm windows, or put up plastic sheeting around my windows during winter.</li> </ul>	<ul style="list-style-type: none"> <li>Energy-efficient windows can save up to 30% on your heating and cooling costs.</li> </ul>	\$
<b>COMPUTERS and ELECTRONICS</b>			
	<ul style="list-style-type: none"> <li>My home computer(s) is/are powered down when not in use.</li> </ul>	<ul style="list-style-type: none"> <li>If you can't turn your computer off, be sure to use the "Energy-Saving" mode and turn off your monitor.</li> <li>Screen savers often use more energy than regular operation, use "sleep", "standby", or "hibernate" modes instead.</li> </ul>	
	<ul style="list-style-type: none"> <li>My computers are automatically set to go into standby mode or "sleep" after 20 minutes of inactivity.</li> </ul>	<ul style="list-style-type: none"> <li>When you know you will be gone for a few hours, put your computer in standby mode or turn it off to save energy.</li> </ul>	
	<ul style="list-style-type: none"> <li>All other equipment (scanners, printers, copiers, etc.) are turned off when not needed for more than 2 hours.</li> </ul>	<ul style="list-style-type: none"> <li>Buy ENERGY STAR qualified equipment to reduce energy use while in standby mode.</li> <li>Computers and office equipment do not need to stay on, unless networking requires this for backups, etc.</li> </ul>	
	<ul style="list-style-type: none"> <li>My equipment, electronics and computers are ENERGY STAR rated.</li> </ul>	<ul style="list-style-type: none"> <li>Over its lifetime, ENERGY STAR qualified equipment in a single home office (e.g., computer, monitor, printer, and fax) can save enough electricity to light an entire home for more than 4 years.</li> </ul>	
	<ul style="list-style-type: none"> <li>I turn off, computers, printers, TV's, DVD's, speakers, and other electronics when not in use.</li> <li>I plug my electronics into a power strip and turn the power strip off when not in use.</li> </ul>	<ul style="list-style-type: none"> <li>Many appliances use energy when they are plugged in but not on (called "phantom loads").</li> <li>Use power strips to shut off any power to the electronics at night and during the day.</li> </ul>	

#### STEPS TO RENEWABLE ENERGY FOR YOUR HOME:

- Determine how much electricity and/or natural gas you use by looking at your power bills or by contacting the power companies and requesting a summary of your usage history.
- Use this checklist to reduce your home energy consumption.
- Choose which renewable energy technology you are interested for electricity, water, and/or space heating. Solar thermal, geothermal, solar photovoltaic, wind, and microhydro have different costs, applications and technologies. For more information on the various technologies, visit: [www.utahcleanenergy.org](http://www.utahcleanenergy.org), [geology.utah.gov/sep/renewable\\_energy/index.htm](http://geology.utah.gov/sep/renewable_energy/index.htm), or [www.eere.energy.gov](http://www.eere.energy.gov).
- Contact dealers and installers. A list of dealers and installers for each technology is available on line at [www.geology.utah.gov/sep/renewable\\_energy/index.htm](http://www.geology.utah.gov/sep/renewable_energy/index.htm)
- Net metering agreement. If you will be connecting with the grid, let your utility know you are planning to install a system and will be net metering.
- Apply for Utility Rebates, State, and Federal Tax Credits. For information on available incentives, visit: [www.utahcleanenergy.org/eepolicy/REIncentives.htm](http://www.utahcleanenergy.org/eepolicy/REIncentives.htm)