

**Tennessee Department of Environment and Conservation**  
**Small Business Environmental Assistance Program**  
***Environmental Ideas and Fact Sheet***

## **ENERGY**

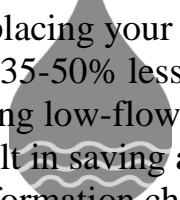
- ✦ Turn down your system's thermostat to 68°F during the day in winter and leave it up at 78°F during the summer. Consider getting an Energy Star programmable thermostat.
- ✦ Lower your water heater temperature to 120°F and reduce hot water use by taking shorter showers and using cold water for laundry whenever possible. Each 10°F reduction on the water heater results in a 13% reduction of your hot water heating costs.
- ✦ Change filters monthly or install a "filter whistle" to let you know when to change.
- ✦ Replace incandescent bulbs with Compact Fluorescent Lamps (CFLs). CFLs use ¼ the electricity that incandescent bulbs do and last up to 20 times as long. If every household in the U.S. replaced just one incandescent bulb with a CFL, it would prevent enough pollution to equal removing nearly 1 million cars from the road yearly.
- ✦ Add insulation to your attic, crawl space, and any accessible exterior walls. Add pipe insulation to the first five feet of water pipe coming from your water heater. Install light switch and electrical outlet seals on exterior walls.
- ✦ Look for the Energy Star label when replacing appliances or electrical equipment. Energy Star labeled appliances use 10-50% less energy. Example: ES refrigerators use 40% less energy than models sold in 2001.
- ✦ Use power strips for home electronics and turn them off when the equipment is not in use. Up to 50% of the power used by electronic equipment occurs while it is turned off.
- ✦ Check out more ideas at U.S. EPA's Energy Star: [www.energystar.gov/](http://www.energystar.gov/); The Home Energy Saver: <http://www.hes.lbl.gov>; and the Geothermal Heat Pump Consortium: [www.geoexchange.org](http://www.geoexchange.org)

## **AIR**

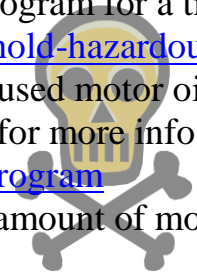
- ✦ Take part in the Green Power Switch where possible (<https://www.tva.com/Energy/Renewable-Energy-Solutions/Green-Power-Switch>) which promotes the creation and use of renewable energy resources such as wind, solar, and landfill methane.
- ✦ Consider an alternative fuel or gas-electric hybrid vehicle on your next car purchase. E-85 fuel is made from corn and is considered a renewable fuel. Hybrid vehicles use a combination of electric motors and gasoline engines to achieve rates of 50 to 60 miles per gallon. Check the National Ethanol Vehicle Coalition: [www.e85fuel.com](http://www.e85fuel.com)

## **WATER**

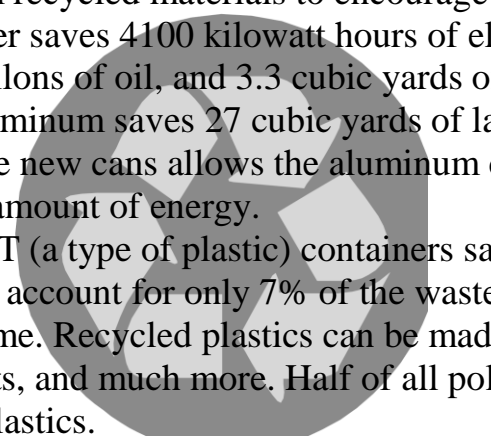
- ✦ Fix all leaky plumbing fixtures. A faucet dripping a drop of water per second can waste up to 192 gallons of water per month.
- ✦ The toilet is the largest user of water in the home. If you do not have a water efficient toilet (1.6 gpf or less), then you can place a brick or bottle of water in the tank to reduce the amount of water it uses and it will still work effectively. Replacing older toilets can save 14,000 gallons of water per year.

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- ⚙️ Consider replacing your older washer with an Energy Star certified model. Energy Star washers use 35-50% less water per load as well as 50% less energy.
  - ⚙️ Install aerating low-flow faucets and showerheads. Often this is an inexpensive change that can result in saving approximately 1700 gallons of water per year.
  - ⚙️ For more information check out H2ouse Water Saver Home: [www.h2ouse.org/](http://www.h2ouse.org/)

## HAZARDOUS WASTE

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- ⓘ If you have hazardous chemicals you no longer use, dispose of them properly. Check out the Household Hazardous Waste collection program for a time and location near you: <http://www.tn.gov/environment/topic/household-hazardous-waste-program>
  - ⓘ Recycle your used oil. Several places will accept used motor oil and collect it for recycling. Check out the Used Oil Recycling site for more info: <http://www.tn.gov/environment/article/used-oil-program>
  - ⓘ A gallon of used motor oil can produce the same amount of motor oil as 42 gallons of crude oil and uses only 1/3 the energy.
  - ⓘ If not recycled, one quart of used oil can pollute 250,000 gallons of drinking water.

## REDUCE, REUSE, RECYCLE

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- ♻️ Buy permanent items rather than disposable. Over 1 billion trees are used yearly to make disposable diapers for instance.
  - ♻️ Buy products with less packaging. We often pay more for food packaging than we pay the farmer for growing that food.
  - ♻️ Buy products made from recycled materials to encourage more use of recycled content.
  - ♻️ One ton of recycled paper saves 4100 kilowatt hours of electricity, 17 trees, 6,953 gallons of water, 463 gallons of oil, and 3.3 cubic yards of landfill space.
  - ♻️ Recycling one ton of aluminum saves 27 cubic yards of landfill space. Using recycled beverage cans to produce new cans allows the aluminum can industry to make 20 times more cans for the same amount of energy.
  - ♻️ Recycling one ton of PET (a type of plastic) containers saves 7.4 cubic yards of landfill space. Although plastics account for only 7% of the waste stream by weight, they occupy 20% of the volume. Recycled plastics can be made into many things: bags, clothing, handles, baskets, and much more. Half of all polyester carpet made in the U.S. is made from recycled plastics.
  - ♻️ For more information check out: EPA eCycling: [www.epa.gov/eCycling/](http://www.epa.gov/eCycling/); EPA Buy Recycled: [www.epa.gov/epawaste/conservation/smm/wastewise/wrr/br-links.htm](http://www.epa.gov/epawaste/conservation/smm/wastewise/wrr/br-links.htm); and the Tennessee Recycling Coalition: [www.tennessee recyclingcoalition.org/](http://www.tennessee recyclingcoalition.org/)

For more information on these and many other topics within the state of Tennessee check out the TN Department of Environment and Conservation: [www.tn.gov/environment/](http://www.tn.gov/environment/); The Office of Sustainable Practices: <http://www.tn.gov/environment/section/sp-sustainable-practices>; and the Tennessee Small Business Environmental Assistance Program: <http://www.tn.gov/environment/section/sbeap-small-business-environmental-assistance>. Or call us at: **1-800-734-3619**.