

CONSERVATION TIPS

Lower Your Utility Bill



YES ENERGY
MANAGEMENT



Electricity

- » **UNPLUG ELECTRONIC DEVICES** and chargers that have a block-shaped transformer on the plug when not in use. Many new TVs, VCRs, chargers, computer peripherals and other electronics use electricity even when they are switched off. Although these standby losses are only a few watts each, they add up to more than 50 continuously-consumed watts in a typical home. For computer scanners, printers and other devices that are plugged into a power strip, **SWITCH OFF** the power strip after shutting down your computer. The best way to minimize these losses of electricity is to purchase **ENERGY STAR** products.
- » **SET COMPUTERS TO SLEEP.** On computers using Windows, open your power management software and set it to sleep if you're away from your computer for 5 to 15 minutes. On Macs, look for the setting in the control panel called "Energy Saver". When you're finished using your computer, **TURN IT OFF**, since sleep mode draws a small amount of power. Note: A laptop uses 15 to 25 watts of electricity during regular use, compared to 150 watts for a conventional desktop computer.
- » **CHANGE OUT BULBS** Replace old incandescent and CFL light bulbs with LED bulbs. This can lower the consumption of lighting by up to 90% and the bulbs can last 10 times longer.
- » **SET YOUR THERMOSTAT** to the highest temperature that is comfortable in warm months. Raising your thermostat by just 2 degrees can **REDUCE COOLING COSTS** by as much as 5%.

- » **CLEAN THE LINT TRAP** in your clothes dryer after each use, and use the moisture-sensing automatic drying setting if you have one.
- » **USE THE MICROWAVE** to cook small meals. It uses less power than your oven.
- » **TURN OFF THE LIGHTS** when you leave a room.

Gas

- » **TURN DOWN** your thermostat to 68 degrees in cold weather. For every degree you lower your heat in the 60- to 70-degree range, you'll save up to 5 percent on heating costs.
- » **SET THE THERMOSTAT** back to 60 degrees at night or when leaving home for an extended time, which saves 5 to 20 percent of your heating costs.
- » **REDUCE HOT WATER** temperature. Set your water heater to "normal" or 120-degrees Fahrenheit, which saves 7 to 11 percent of water heating costs.
- » **USE COLD WATER** setting on your clothes washer. Cold water reduces the washer's energy use by 75 percent.
- » **CUT YOUR SHOWERS** in half to reduce water heating costs by 33 percent. Showers account for 2/3 of water heating costs.
- » **LET SUNSHINE IN.** Open drapes and let the sun heat your home (close at sundown for insulation).
- » **POSITION FURNITURE** such as sofas and beds away from exterior walls for a more comfortable home environment.

Water

- » **RUN FULL LOAD** in the dishwasher and washing machine. It takes the same energy resources to wash a partial load as it does for a full load. Running fewer loads saves money.
- » **SHORTEN SHOWERS.** Showers account for 2/3 of your water heating costs. Reducing showering time by a few minutes can save hundreds of gallons of hot water per month for a family of four, while cutting shower time in half can reduce water heating costs by 33 percent. Also, do not let the water run continuously when you shave or brush your teeth.
- » **CHECK FOR LEAKS.** You cannot always hear a running toilet and sometimes it will leak intermittently. To check for leaks, put a little food coloring in your toilet tank. If, without flushing, the color appears in the bowl within 30 minutes, you have a leak. This test may have to be done multiple times as leaks are sometimes hard to detect.
- » **CALL FOR MAINTENANCE** immediately if you notice any leaks. A leaky showerhead at 10 drips per minute wastes more than 500 gallons per year — enough water to wash 60 dish loads. A faucet that leaks a single drop of water each second can waste up to 200 gallons of water per month. A leaking toilet will use approximately 200 gallons of water daily.

Trash

- » **RECYCLE.** Separate all clean recyclable paper, plastic, aluminum, metals and glass and dispose in appropriate receptacles for recycling to manage waste disposal cost.

Electricity	kWh per month	Cost per month~
60 Wt. Light Bulb (running for 10 hours/day)	18.6	\$2.42
13 Wt. CFL Light Bulb (running for 10 hours/day)	3.9	\$0.51
8.5 Wt. LED Light Bulb (60 Wt. equivalent, 10 hours/day)	2.6	\$0.33
48" Ceiling Fan (on high 10 hours/day)	23.3	\$3.03
Central Air Conditioning (running for 12 hours/day)	505.7	\$65.74
Large Window A/C Unit (running for 12 hours/day)	536.0	\$69.68
1,440 Wt. Space Heater (on high 14 hours/day)	625.0	\$81.25
Clothes Washer & Dryer (20 full loads)	70.0	\$9.10
Coffee Maker, Pod	18.8	\$2.44
Dishwasher (with drying cycle on for 2 hours/day)	74.0	\$9.62
Dishwasher (with energy saver cycle for 2 hours/day)	12.4	\$1.61
Refrigerator (running 24/7)	101.1	\$13.14
Microwave Oven (running 1 hour/day)	44.5	\$5.79
LED TV, Large (2.5 hours per day)	45.0	\$5.85
LED TV, Small (2.5 hours per day)	18.0	\$2.34
Computer, Desktop (24/7)	194.4	\$25.27
Computer, Laptop (10 hours per day)	45.0	\$5.85
Computer, Laptop (14 hours per day power save mode)	2.1	\$0.27
Electric Blanket (8 hours usage per day)	24.0	\$3.12
Hair Dryer (15 minutes per day)	14.1	\$1.83

Average US cost from US Energy Information Agency 2017 = 13c/kWh

Gas	CCF per month	Cost per month~
Clothes Dryer (22,000 BTU @ 7 - 45 minute loads/week)	5.1	\$5.56
Range Cook Top (9,500 BTU @ 1 hour/day)	2.9	\$3.16
Oven (30,000 BTU @ 3 hours/week)	2.0	\$2.18
Water Heater (40,000 BTU for family of 4, cold water washes)	14.6	\$15.91
Washing Machine Warm Wash (40,000 BTU for hot wash)	5.8	\$6.32
Pilot Light (example gas logs left on, will vary)	6.4	\$6.98
FHA Furnace, Older (80% efficient)*	48.3	\$52.65
FHA Furnace, Energy Star rated (95% efficient)*	40.6	\$44.25

Average US cost from US Energy Information Agency 2017 = \$1.09/CCF

*Furnace usage varies based many factors. Clean filters, age, condition, outside temperature, overall structure of installation.

Water	Gallons per month	Cost per month~
Showers (per person)	480	\$7.20
Clothes Washers (per person)	450	\$6.75
Dishwashers (per person)	30	\$0.45
Toilets (per person)	555	\$8.33
Baths (per person)	300	\$4.50
Faucets (per person)	327	\$4.91
Leakling/Running Toilet (per day usage)	6,000	\$90.00

Average cost including sewer, taxes and fees = 1.5c/gallon

\$0.015

Average monthly use for single occupant is 2,100 gallons