

#5 GO TO THE SOURCE



Tired of waiting for hot water to arrive? You may not think about it much, but the hot water distribution system in your house, including the hot water heater, is essential to efficiency.

Water heaters come in many shapes, sizes, and heating technologies. Some are small enough to fit under your sink and provide “instant” hot water, perfect for low volumes of water. New Heat Pump Water Heaters can supply hot water for your whole house at half the operating cost of a standard electric water heater. Heat your water with gas? ENERGY STAR rated tankless gas heaters can save a typical family \$100 a year on gas bills. If you’re not ready for a new water heater, you can still cut your energy bill by insulating your water heater, and hot and cold water pipes.



Many homes have recirculating hot water systems. These systems keep the hot water circulating

throughout the house so that you get hot water faster and don’t waste as much cold water while you’re waiting. But if the system pump operates continually, it can waste energy.

Demand controlled pumps for these systems are the most energy efficient option. They deliver hot water exactly when you want it, rather than pumping all day and night. These pumps can save over 5,000 gallons of water and up to \$100 in energy costs a year.



5 more ways to be water and energy efficient:

- Wash your clothes in cold water – your clothes get just as clean and you use less energy.
- Only run your dishwasher when it is completely full.
- Turn off the water when you brush your teeth.
- Fix dripping faucets and leaks in your home.
- Keep your showers short, about 5 minutes.

Please visit

www.cityofloveland.org/conservation

or call (970) 962-3000

for more information about current rebates and for more efficiency tips.



Loveland Water and Power



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Protect the West's land, air, and water

This information developed in partnership with [Western Resource Advocates](http://WesternResourceAdvocates.org) and the City of Boulder.



WATTS IN THE WATER?

RESIDENTIAL

When you use water, you often use energy too. Wasting water not only impacts your water bill; it can increase your energy bill.

Learn ten things you can do in your home to conserve water and energy and start saving!

SAVE WATER. SAVE ENERGY.



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IT'S ALL CONNECTED

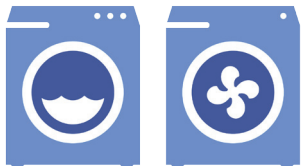
Turning on your faucet uses water, but did you know it also uses energy? Every time you turn on the tap, energy is needed to treat and deliver water to you. Hot water uses the most energy of all, and the costs come out of your wallet.

When you reduce the flow, your water heater does not have to work as hard - saving water, energy and money! Check out the tips shown here to find ways you can save water and energy.

About **20%** of your energy bill comes from heating water!

Reducing your hot water use will lower your water bill and your energy bill.

#1 IT ALL COMES OUT IN THE WASH



Older clothes washers can use more than twice as much water and energy as newer, more

[efficient clothes washers](#). Replacing an old washer can save over 4,000 gallons of water per year, which also reduces energy use because less water is heated.

And, because these models do a much better job of extracting water, you save energy when you dry your clothes too.

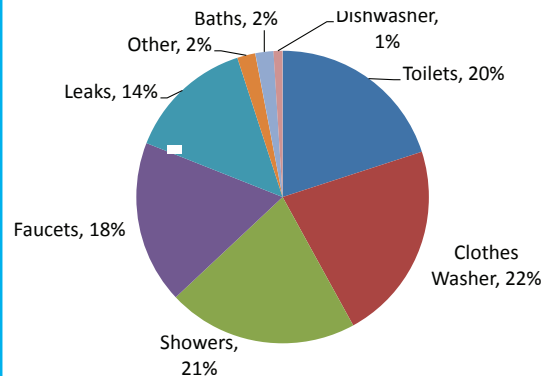
#2 FLUSHING AWAY YOUR DOLLARS?

[Toilets](#) account for about 20% of indoor water use, and are one of the largest sources of indoor water use. If you have a toilet that was installed prior to 1994, it could be using over five gallons per flush (gpf). Since 1994, only toilets using 1.6 gpf or less could be sold, but today, toilets often use 1.28 gpf or less.



By replacing your old toilet with a new toilet, you could save as much as 21 gallons of water per day - that is over 7,500 gallons per year! While it may not directly impact your energy bill, reducing water use also reduces the amount of energy needed to treat water and power pumps that deliver your water.

AVERAGE INDOOR HOUSEHOLD WATER USE



#3 SHOWER POWER



Older shower heads can use as much as 5.5 gallons per minute (gpm). New low-flow showerheads use 2.5 gpm or less.

Choose an EPA WaterSense-labeled [shower head](#) to ensure it works well and saves water. Installing a \$25 efficient showerhead will pay for itself in just 9 months in a typical household - and it will result in years of energy and water savings.

Letting your faucet run for 5 minutes uses about as much energy as your hair dryer uses in 30 minutes.

#4 WASHING WISELY



Once you have changed the shower head, change your [faucet aerators](#).

A typical aerator uses 2.5 gallons per minute, but new low-flow models use as little as half a gallon per minute.

The EPA says new low-flow faucet aerators can save a home more than 500 gallons of water per year - enough to wash 14 loads of laundry. Best of all, when you reduce the amount of hot water you use, you also reduce the amount of cold water you have to heat.