

Water Smart™

APPLIANCES & FIXTURES

Installing water smart appliances and fixtures will save water and reduce monthly utility bills. Governments are adopting incentives that provide utility bill credits for purchase and installation of approved low water use appliances and fixtures. Homeowners should check with the local utility company for incentives in their area. The Consortium for Energy Efficiency www.cee1.org includes a wealth of information on appliances and fixtures.



APPLIANCES

WASHING MACHINES

Washing machines that spin on a horizontal axis reduce water used per load of laundry by 20 to 50% resulting in an annual household savings of about 7,000 gallons. These water smart machines also require less detergent and consume 50 to 69% less energy.

DISHWASHERS

A standard dishwasher consumes 9 to 12 gallons of water per cycle, and hand washing 20 gallons per sink load. Water smart dishwashers use between 6 and 10 gallons per cycle and require little or no pre-rinsing.

TANKLESS OR ON-DEMAND WATER HEATERS

Point of demand hot water circulators eliminate the need to let water run while waiting for hot water to reach the tap. They can reduce energy costs by 10 to 20% over traditional tank models.

www.yavapaiwatersmart.org

FIXTURES

TOILETS

Toilets are the biggest indoor water users accounting for more than 30% of household consumption. Replacing an inefficient toilet with a low-flow model will save thousands of gallons of water per year.

Replace...

Save

1970s toilet → 5.4 gallons per flush

1980s toilet → 3.4 gallons per flush

1990s toilet → 1.9 gallons per flush

SHOWERHEADS

Showerheads are inexpensive to replace and easy to install. Switching to a high-performance showerhead with an output of no more than 2.5 gallons per minute can reduce water use by up to 75%. Check existing showerhead output by turning on the shower to full force and measure the amount of water collected in a container for 10 seconds. Multiply that number by 6 to get the gallons per minute.

FAUCETS

Adding aerators (small circular screens) to the tips of faucets will save 1 to 2 gallons of water per minute. After installation of an aerator, water flow should be less than 2.5 gallons per minute for the kitchen and 0.75 to 1.5 gallons per minute for the bathroom. To determine the gallons per minute used by a faucet, turn it on and measure the amount of water collected in a container after 10 seconds. Multiply that number times 6 to get the gallons per minute.

LEAKS!

Faucet leaks are a large source of water loss, and most are caused by worn out washers. Repairing a leaky faucet can save hundreds to thousands of gallons of water a year.

| Drips/min. | Gallons lost/month | Gallons lost /year |
|------------|--------------------|--------------------|
| 10 | 43 | 526 |
| 30 | 130 | 1,577 |
| 60 | 259 | 3,153 |
| 120 | 518 | 6,307 |
| 300 | 1,296 | 15,768 |

For more information and helpful community links, visit the Coalition website at

www.yavapaiwatersmart.org

UPPER VERDE RIVER WATERSHED



PROTECTION COALITION