



# TAHLEQUAH PUBLIC WORKS AUTHORITY

## Energy Conservation Tips

1	Heat or cool only the rooms you are using. Close off unused rooms.
2	Set your thermostat at the highest or lowest comfortable setting for each season. Try 72°F or higher in the summer and 68°F or lower in the winter.
3	Run your pool pump in the evening or early morning hours and reset your pool timer to run during off-peak hours. If you have a pool heater, set it at 78 degrees or lower.
4	Shade outdoor air conditioning equipment and keep it low to the ground to reduce energy consumption by 40% or more. Keep outside heat pumps clear of debris and snow.
5	Clean or replace cooling or heating filters monthly.
6	Have your heating and cooling equipment serviced or checked at least once a year.
7	Be sure that drapes are not blocking vents.
8	Close drapes and shades to keep direct sunlight out and lower your cooling costs in summer.
9	Keep drapes open during the day to allow sun and closed at night to lower your heating costs in winter.
10	Insulate your home and caulk/weather-strip around doors and windows to reduce both cooling and heating costs. These openings can consume up to 40 percent of your home's heating and cooling energy.
11	Seal leaks around wall outlets and switches. Install door "shoes" or "sweeps" to stop air from sneaking in or out under outside doors.
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13	Insulate your attic.
14	Make sure your wood burning fireplace damper is closed when not in use to prevent cooled or heated air from escaping up the chimney.
15	Use the bathroom exhaust fan during and for a short time after bathing or showering to reduce heat and moisture build-up.
16	Shift energy-intensive tasks like laundry and dishwashing to off-peak demand hours (i.e., weekdays before 10:00 a.m. and after 6:00 p.m., all weekend long and all day on holidays).
17	Wash full loads in your dishwasher and let the dishes air dry. Air-drying your dishes may reduce your dishwasher's energy usage by 40 percent.
18	Reduce the water heater thermostat setting to 120° F and reduce use of heated water for clothes washing. (Caution – some dishwashers require 140° F water.)
19	When using the electric range, plan ahead and cook a number of dishes or meals for later use. Open oven doors only when necessary.
20	Turn off and unplug appliances when not in use: lights, TVs, computers, microwaves, CD players, etc. "Standby power"

	usage can account for up to 30 percent of your home electronics energy. Be sure to check the owner's manual to make sure this won't impact the memory or performance of the machine.
21	Activate "sleep" features on computers and office equipment that power down while on, but not in use for awhile. Turn them off altogether during long periods of non-use to cut utility costs and extend longevity.
22	When buying new appliances, look at the yellow "Energy Guide" label and buy only energy-efficient appliances.
23	Invest in storm windows or use clear plastic window insulation to help stop cold air from leaking into your house in the winter.
24	Use electric space heaters sparingly – they are expensive to run.

### Water Conservation Tips

You can Conserve Water.... Start by turning off the tap in the bathroom when you brush your teeth or shave or in the kitchen while cleaning fruits and vegetables.

Put a pitcher of water in the refrigerator, so you won't have to run the tap every time you want a drink. When you let the water run, five gallons a minute pour down the drain.

Repair leaky faucets and replace water-guzzling fixtures and appliances with their water-efficient counterparts. A leaky faucet can waste too much water - one drip per second wastes 6000 gallons of water per year!

Put a shut-off nozzle on your hose. A single hose left on uses nearly 300 gallons of water per hour.

Water your lawn before 10 AM and never when it is windy. Landscape with grasses, shrubs and plants that require little water. Typically, 50 to 70 percent of household water is used on lawns and gardens.

1	Take shorter showers.
2	Load your dishwasher to full capacity.
3	Install low-volume toilets and low-flow showerheads.
4	Mulch around trees and plants to retain water.
5	Recycle water from fish tanks by using it to water plants.
6	Start a compost pile instead of using your garbage disposal.
7	Use a broom to clean sidewalks - not a hose.

TPWA is a beneficial trust of the City of Tahlequah and is governed by its own Board of Trustees

Electric customers – 8,013 comprising residential (6,529), commercial (1,140) and others

Wholesale power supply – Grand River Dam Authority

Water customers – 7,243 comprising residential (6,000), commercial (895) and others

Water sources – Illinois River (treatment plant producing 7.5 million gallons per day)

Lake Tenkiller (new treatment plant producing 1.5 million gallons per day)

Employees – approximately 85 comprising water, water distribution, waste water collection, waste water treatment, electric, warehouse and administration