

Dear Neighbors,

In preparation for potential drought conditions, the Beulah Water Works District (BWWD) and Pine Drive Water (PDW) Boards have developed a Drought Response Plan that will be implemented if our water supply declines or stops. This plan is intended to ensure sufficient water for domestic use, fire protection, and public health.

As part of these proactive efforts, BWWD and PDW will be temporarily sharing water resources to help stabilize supply, improve system reliability, and ensure all customers within both service districts continue to have access to water during this challenging period.

**What This Means for You:**

- Water service will continue as normal, with no immediate action required.
- Both districts will continue to closely monitor water quality and supply to ensure safety and compliance.

There may come a time when extreme conservation measures are mandatory. If so, we will notify you and provide clear guidance. In the meantime, we strongly encourage all residents to begin practicing everyday water conservation.

---

**Everyday Water-Saving Tips**

- **Fix leaks promptly:** A dripping faucet wastes about 2,700 gallons per year, and leaking toilets can waste even more. Check faucets, pipes, and toilets regularly, using food coloring in the tank to detect leaks and repair them immediately.
  - **Install water efficient fixtures:** Use lowflow showerheads, faucet aerators, and modern low volume toilets to significantly reduce water usage without compromising performance.
  - **Shorten showers and turn off taps:** Turn off water while lathering, brushing teeth or shaving. Collect excess shower water in a bucket to water plants.
  - **Optimize dishwashing and laundry:** Run dishwashers and washing machines only when full, use the light wash setting, and avoid pre-rinsing dishes.
  - **Reuse greywater safely:** Water from sinks, showers, or boiled vegetables can be reused for flushing toilets or watering gardens, ensuring systems are designed to avoid health risks.
-

## Outdoor Water Use

- **Efficient irrigation:** Use drip irrigation, soaker hoses, or targeted sprinklers to water plants directly and reduce evaporation.
- **Watering schedules:** Water lawns and gardens during cooler parts of the day, such as early morning or evening, and follow local odd/even day restrictions if imposed.
- **Rainwater harvesting:** Install rain barrels or other collection systems to store rainwater for outdoor use, reducing reliance on municipal water. A maximum of two rain barrels with a combined storage of 110 gallons or less are allowed at each household.
- **Landscape choices:** Consider drought-tolerant plants and low-water-use landscaping to minimize outdoor water needs.

---

Saving water through simple daily habits, efficient appliances, and thoughtful landscaping practices helps preserve our limited supply and can reduce your monthly bill.

Your cooperation is crucial in helping our community prepare for and respond to drought conditions. By working together and through the temporary sharing of resources between BWWD and PDW, we are better positioned to protect our water supply.

If you have any questions or concerns, please contact our offices.

Thank you for your cooperation and commitment to conserving water.

Beulah Water Works District (BWWD)  
833-485-5325 or [BWWDsupport@beulahvalleywater.com](mailto:BWWDsupport@beulahvalleywater.com)

Pine Drive Water (PDW)  
832-451-7511

## **KNOW THE STAGES • FOLLOW RESTRICTIONS • EVERY DROP COUNTS**

---

### **STAGE 1 — VOLUNTARY CONSERVATION**

**Triggers:** Supply reduced 15–20% or storage <75%

**Actions:**

- No outdoor watering except with repurposed water
  - Fix leaks immediately
  - Run full loads only
  - Shorter showers; reuse grey water **Target:** ~18,000 GPD (≈18% reduction)
- 

### **STAGE 2 — MANDATORY RESTRICTIONS**

**Triggers:** Declining supply, treatment limits, storage <60%, or water quality issues

**Restrictions:**

- NO outdoor water use
  - Indoor use for essential needs only
  - Reduced shower frequency; prepare for hauling **Target:** <14,000 GPD  
**Use Goal:** ~30 gallons/person/day
- 

### **STAGE 3 — SEVERE SHORTAGE**

**Triggers:** Storage <40%, major supply decline, contamination, or refill issues

**Restrictions:**

- Strict indoor use only
  - NO outdoor use; hauling may begin **Target:** 10,000–12,000 GPD  
**Use Goal:** ~25 gallons/person/day
- 

### **STAGE 4 — EMERGENCY**

**Triggers:** Storage <25%, source stops flowing, unsafe water, or extreme fire danger

**Restrictions:**

- Severe indoor limits only
  - Strict enforcement; alternative hygiene options
  - Water hauling underway **Target:** ≤9,000 GPD  
**Use Goal:** ~20 gallons/person/day
- 

## **DROUGHT PREPARENESS**

### **GENERAL**

- Never pour water down the drain when there may be another use for it. For example, use it to water your indoor plants or garden.
- Fix dripping faucets by replacing washers. One drop per second wastes 2,700 gallons of water a year.

- Check all plumbing for leaks and have any leaks repaired by a plumber.
- Retrofit all household faucets by installing aerators with flow restrictors.
- Install an instant hot water heater on your sink.
- Insulate your water pipes to reduce heat loss and prevent them from breaking.
- Install a water-softening system only when the minerals in the water would damage your pipes. Turn the softener off while on vacation.
- Choose appliances designed for greater efficiency and performance.

## **BATHROOM**

- Consider purchasing a low-volume toilet that uses less than half the water of older models.
- Install a toilet displacement device to cut down on the amount of water needed to flush. Place a one-gallon plastic jug of water into the tank to displace toilet flow. Make sure it does not interfere with the operating parts.
- Replace your showerhead with an ultra-low-flow version.

## **DURING A DROUGHT (CONSERVE)**

### **BATHROOM**

- Avoid flushing the toilet unnecessarily. Dispose of tissues, insects and other similar waste in the trash rather than the toilet.
- Take short showers instead of baths. Turn on the water only to get wet and lather and then again to rinse off.
- Avoid letting the water run while brushing your teeth, washing your face or shaving.

### **LAUNDRY**

- Operate clothes washers only when they are fully loaded or set the water level for the size of your load.

### **KITCHEN**

- Operate automatic dishwashers only when they are fully loaded. Use the "light wash" feature to use less water.
- Hand wash dishes by filling two containers—one with soapy water and the other with rinse water containing a small amount of chlorine bleach.
- Clean vegetables in a pan filled with water rather than running water from the tap.
- Avoid wasting water waiting for it to get hot. Capture it for other uses such as plant watering or heat it on the stove or in a microwave.
- Don't rinse dishes before placing them in the dishwasher, just remove large particles of food.
- Avoid using running water to thaw meat or other frozen foods. Defrost food overnight in the refrigerator or use the defrost setting on your microwave.

## **REMEMBER**

Water is essential for drinking, sanitation, and fire protection.

**Your conservation makes a difference. Stay informed for current stage updates.**

Activity	Typical Gallons Used	Stage 1 (Voluntary) ~15,000 GPD	Stage 2 (Mandatory) ~7,000 GPD (200 gal/person/day) GPD	Stage 3 (Severe) 15,000-18,000 (1-25 gal/person/day) GPD	Stage 4 (Emergency) 15,000 gal/person/day
Shower (5-7 min)	10-15 gal	Allowed, shorten duration	Limit to short showers	Reduced frequency	Minimal / critical only
Toilet (5 flushes)	6-8 gal	Normal but conserve	Reduce unnecessary flushing	Strict conservation	Absolute minimum use
Brushing teeth / handwashing	~2 gal	Normal conservation	Essential only	Essential only	Essential only
Dishwasher (full load)	3-6 gal	Allowed	Allowed (full loads only)	Limited use	Avoid if possible
Hand washing dishes	5-10 gal	Allowed	Preferred method	Limited	Minimal
Laundry	15-25 gal/load	Allowed (efficient use)	Reduce frequency (every other day)	Rare use	Avoid unless critical
Other indoor use (cooking, cleaning, drinking)	5-10 gal	Normal conservation	Essential only	Essential only	Essential only
Outdoor watering	~1,000 gal/hour (sprinkler)	Restricted (repurposed only)	Prohibited	Prohibited	Prohibited
Leaks (toilet, service line)	100-200+ gal/day (toilet)	Fix immediately	Fix immediately (critical)	Emergency repair	Emergency repair



## **100 Ways To Conserve Water**

**1** There are a number of ways to save water, and they all start with you.

**2** When washing dishes by hand, don't let the water run while rinsing. Fill one sink with wash water and the other with rinse water.

**3** Some refrigerators, air conditioners and ice-makers are cooled with wasted flows of water. Consider upgrading with air-cooled appliances for significant water savings.

**4** Adjust sprinklers so only your lawn is watered and not the house, sidewalk, or street.

**5** Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.

**6** Choose shrubs and groundcovers instead of turf for hard-to-water areas such as steep slopes and isolated strips.

**7** Install covers on pools and spas and check for leaks around your pumps.

**8** Use the garbage disposal sparingly. Compost vegetable food waste instead and save gallons every time.

**9** Plant in the fall when conditions are cooler and rainfall is more plentiful.

**10** For cold drinks keep a pitcher of water in the refrigerator instead of running the tap. This way, every drop goes down you and not the drain.

**11** Monitor your water use for unusually high flow. Look around your yard and your home to discover leaks.-

**12** Water your lawn and garden in the morning or evening when temperatures are cooler to minimize evaporation.

**13** Wash your fruits and vegetables in a pan of water instead of running water from the tap.

**14** Spreading a layer of organic mulch around plants retains moisture and saves water, time and money.

**15** Use a broom instead of a hose to clean your driveway and sidewalk and save water every time.

**16** If your shower fills a one-gallon bucket in less than 20 seconds replace the shower head with a water- efficient model.

**17** Collect the water you use for rinsing fruits and vegetables, then reuse it to water houseplants.

**18** If water runs off your lawn easily, split your watering time into shorter periods to allow for better absorption.

**19** We're more likely to notice leaks indoors, but don't forget to check outdoor faucets, sprinklers and hoses for leaks.

**20** Don't use BWWD domestic water to fill your spa, check your spa periodically for leaks.

**21** Check the root zone of your lawn or garden for moisture before watering using a spade or trowel. If it's still moist two inches under the soil surface, you still have enough water.

**22** When buying new appliances, consider those that offer cycle and load size adjustments. They're more water and energy efficient.

**23** Shorten your shower by a minute or two and you'll save up to 150 gallons per month.

**24** Upgrade older toilets with water efficient models.

- 25** Adjust your lawn mower to a higher setting. A taller lawn shades roots and holds soil moisture better than if it is closely clipped.
- 26** When cleaning out fish tanks, give the nutrient-rich water to your plants.
- 27** Use sprinklers for large areas of grass. Water small patches by hand to avoid waste.
- 28** Put food coloring in your toilet tank. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it can save up to 1,000 gallons a month.
- 29** When running a bath, plug the tub before turning the water on, then adjust the temperature as the tub fills up.
- 30** Walkways and patios provide space that doesn't ever need to be watered. These useful "rooms" can also add value to your property.
- 31** Collect water from your roof to water your garden. 110 gallons is legal in Colorado.
- 32** Designate one glass for your drinking water each day or refill a water bottle. This will cut down on the number of glasses to wash.
- 33** Rather than following a set watering schedule, check for soil moisture two to three inches below the surface before watering.
- 34** Install a rain sensor on your irrigation controller so your system won't run when it's raining.
- 35** Don't use running water to thaw food. Defrost food in the refrigerator for water efficiency and food safety.
- 36** Use drip irrigation for shrubs/ trees to apply water directly to the roots where it's needed.
- 37** Grab a wrench and fix that leaky faucet. It's simple, inexpensive, and you can save 140 gallons a week.
- 38** Reduce the amount of lawn in your yard by planting shrubs and ground covers appropriate to your site and region.
- 39** When doing laundry, match the water level to the size of the load.
- 40** Teach your children to turn off faucets tightly after each use.
- 41** Remember to check your sprinkler system valves periodically for leaks and keep the sprinkler heads in good shape.
- 42** Use a water-efficient shower head. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- 43** Soak pots and pans instead of letting the water run while you scrape them clean.
- 44** Don't water your lawn on windy days when most of the water blows away or evaporates.
- 45** Water your plants deeply but less frequently to encourage deep root growth and drought tolerance.
- 46** Know where your master water shut-off valve is located. This could save water and prevent damage to your home.
- 47** To decrease water from being wasted on sloping lawns, apply water for five minutes and then repeat two to three times.
- 48** Group plants with the same watering needs together to avoid overwatering some while under watering others.
- 49** Use a layer of organic material on the surface of your planting beds to minimize weed growth that competes for water.
- 50** Use a minimum amount of organic or slow release fertilizer to promote a healthy and drought tolerant landscape.
- 51** Trickling or cascading fountains lose less water to evaporation than those spraying water into the air.
- 52** Use a commercial car wash that recycles water. Don't wash your car with BWWWD domestic water. #53 Avoid recreational water toys that require a constant flow of water.

- 54** Turn off the water while brushing your teeth and save 25 gallons a month.
- 55** Use a rain gauge, or empty tuna can, to track rainfall on your lawn. Then reduce your watering accordingly.
- 56** Encourage your school system to develop and promote water conservation among children and adults.
- 57** Learn how to shut off your automatic watering system in case it malfunctions or you get an unexpected rain.
- 58** Set a kitchen timer when watering your lawn or garden to remind you when to stop. A running hose can discharge up to 10 gallons a minute.
- 59** If your toilet flapper doesn't close after flushing, replace it.
- 60** Make sure there are water-saving aerators on all of your faucets.
- 61** Next time you add or replace a flower or shrub, choose a low water use plant for year-round landscape color and save up to 550 gallons each year.
- 62** Install an instant water heater near your kitchen sink so you don't have to run the water while it heats up. This also reduces energy costs.
- 63** Only water plants when you have to – check moisture with a meter.
- 64** If your dishwasher is new, cut back on rinsing. Newer models clean more thoroughly than older ones.
- 65** Use a trowel, shovel, or soil probe to examine soil moisture depth. If the top two to three inches of soil are dry it's time to water.
- 66** If installing a lawn, select a turf mix or blend that matches your climate and site conditions.
- 67** When you save water, you save money on your utility bills too. Saving water is easy for everyone to do.
- 68** When the kids want to cool off, use the sprinkler in an area where your lawn needs it the most.
- 69** To save water and time, consider washing your face or brushing your teeth while in the shower. #70 Bathe your young children together.
- 71** Consult with your local nursery for information on plant selection and placement for optimum outdoor water savings.
- 72** Winterize outdoor spigots when temperatures dip below freezing to prevent pipes from leaking or bursting.
- 73** Insulate hot water pipes for more immediate hot water at the faucet and for energy savings.
- 74** When you are washing your hands, don't let the water run while you lather.
- 75** Drop your tissue in the trash instead of flushing it and save water every time.
- 76** Direct water from rain gutters and HVAC systems toward water-loving plants in the landscape for automatic water savings.
- 77** Throw trimmings and peelings from fruits and vegetables into your yard compost to prevent using the garbage disposal.
- 78** Support projects that use reclaimed wastewater for irrigation and industrial uses.
- 79** Keep a bucket in the shower to catch water as it warms up or runs. Use this water to flush toilets or water plants.
- 80** Turn off the water while you shave and save up to 300 gallons a month.
- 81** If your toilet was installed before 1992, reduce the amount of water used for each flush by inserting a displacement device in the tank.
- 82** Setting cooling systems and water softeners for a minimum number of refills saves both water and chemicals, plus more on utility bills.

**83** Washing dark clothes in cold water saves both on water and energy while it helps your clothes to keep their colors.

**84** Leave lower branches on trees and shrubs and allow leaf litter to accumulate on the soil. This keeps the soil cooler and reduces evaporation.

**85** Report broken pipes, open hydrants and errant sprinklers to the property owner or BWWD..

**86** Let your lawn go dormant during the summer. Dormant grass only needs to be watered every three weeks or less if it rains.

**87** Plant with finished compost to add water-holding and nutrient-rich organic matter to the soil.

**88** Use sprinklers that deliver big drops of water close to the ground. Smaller water drops and mist often evaporate before they hit the ground.

**89** Listen for dripping faucets and running toilets. Fixing a leak can save 300 gallons a month or more.

**90** Water only when necessary. More plants die from over-watering than from under-watering.

**91** One more way to get eight glasses of water a day is to re-use the water left over from cooked or steamed foods to start a scrumptious and nutritious soup.

**92** Adjust your watering schedule each month to match seasonal weather conditions and landscape requirements.

**93** Turn off the water while you wash your hair to save up to 150 gallons a month.

**94** Wash your pets outdoors in an area of your lawn that needs water.

**95** When shopping for a new clothes washer, compare resource savings among Energy Star models. Some of these can save up to 20 gallons per load, and energy too.

**96** Apply water only as fast as the soil can absorb it.

**97** Aerate your lawn at least once a year so water can reach the roots rather than run off the surface. #98 When washing dishes by hand, fill the sink basin or a large container and rinse when all of the dishes have been soaped and scrubbed.

**99** Catch water in an empty tuna can to measure sprinkler output. One inch of water on one square foot of grass equals two-thirds of a gallon of water.

**100** For hanging baskets, planters and pots, place ice cubes under the moss or dirt to give your plants a cool drink of water and help eliminate water overflow.

**Thank you for your cooperation and commitment to conserving water.**

Sincerely,

Beulah Water Works District  
PO Box 506  
Beulah, CO. 81023  
Phone: 833-485-5325  
Email:  
[BWWDsupport@BeulahValleyWater.com](mailto:BWWDsupport@BeulahValleyWater.com)