

## Did You Know?

### Annual Water Restrictions

May 1 thru September 30 -  
Water before 11 AM or after 6 PM  
*Applies to municipal services, private wells, ponds, & lakes.*

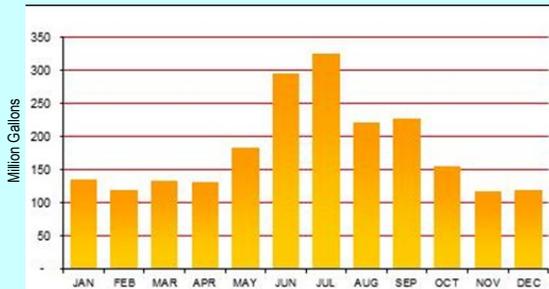
### Exemptions -

Hand watering (attended)  
Children's water toys (attended)  
Vehicle Washing  
New sod & trees (current year)

### Higher Usage in the Summer

July daily average - 11 million gallons  
January daily average - 4 million gallons

2017 Monthly Pumpage



In 2017, Apple Valley pumped

2,167,397,000 Gallons

### Interesting Facts

- 80% of Earth is covered by water or ice
- 20% of Earth's surface is dry land
- 97% of Earth's water is salty
- 2% of Earth's water is frozen
- 1% is available to drink
- of this 1%
  - 55% is used for irrigation
  - 20% is flushed down toilets
  - 15% is used in showers & baths
  - 7% is used on laundry and dishes
  - 2% lost through undetected leaks
  - 1% is used for drinking

## WATER QUIZ

## KID'S WORLD

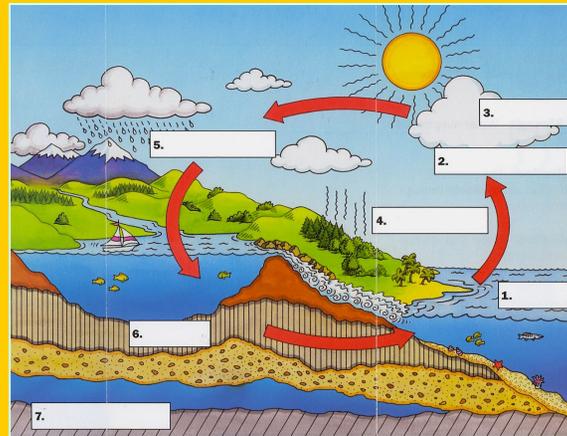
True/False

- |   |   |   |
|---|---|---|
| 1. The water coming out of your faucet contains molecules that the dinosaurs drank. | T | F |
| 2. The volume of earth's water is constantly changing.                              | T | F |
| 3. Potable water is drinkable water.  | T | F |
| 4. Water exists naturally in the form of a gas, a liquid, and a solid.              | T | F |
| 5. Our human bodies are mostly water.   | T | F |
| 6. The average yearly precipitation in Apple Valley is 26 inches.                   | T | F |
| 7. The earth naturally recycles water faster than we can use it.                    | T | F |
| 8. Most plants do not die from over watering.                                       | T | F |

1. True, 2. False, 3. True, 4. True, 5. True, 6. True, 7. True, 8. False

## Water (Hydrologic) Cycle

Match the correct term for each stage of the water cycle.  
Percolation, Water Storage, Transpiration, Groundwater, Cloud Storage, Precipitation, Evaporation



1. Water Storage, 2. Evaporation, 3. Cloud Storage, 4. Transpiration, 5. Precipitation, 6. Percolation, 7. Groundwater

For More Information

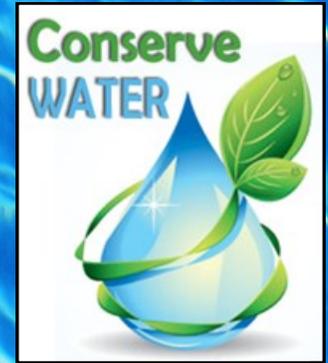


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[www.cityofapplevalley.org](http://www.cityofapplevalley.org)



# WATER CONSERVATION



## ► Inside the Home

### Toilet

- Check for leaks by adding food coloring to the tank. Color will appear in the bowl within 30 minutes if there is a leak. *Replace worn, corroded or bent parts.*
- If the handle sticks frequently, adjust or replace.
- Place a filled plastic bottle or bag inside the tank to reduce the amount of water needed for each flush.
- Avoid unnecessary flushing. Place tissues, bugs, and other debris in the trash.



### Shower/Bath

- Shut the water off while brushing your teeth, shaving, or washing your face.
- Replace your showerhead with an ultra low-flow, save up to 2.5 gallons per minute.
- Take shorter showers.
- Close the tub drain before turning on the bathwater and only fill the tub 1/3 full.

### Kitchen

- Minimize the use of the disposal. Start a compost pile.
- Place a pitcher of drinking water in the refrigerator for a cold glass of water.
- Run the dishwasher only when full.
- Fill the sink with water to wash vegetables rather than leaving the water run.

### Laundry

- Wash full loads. Be sure to set the machine for the correct load size.
- Purchase appliances with water and energy saving options.

### General

- Routinely inspect for drips and leaks, making repairs promptly.

## ► Outside the Home

- Water lawns and plants in the early morning or late evening to reduce evaporation. Avoid watering on windy days.
  - Raise your lawn mower an inch.
  - Set sprinklers to water grass and garden areas rather than driveways and sidewalks.
  - When washing your car, use a trigger nozzle on the hose to automatically shut the water off when not in use.
  - Use a broom to sweep off sidewalks and driveways rather than hosing them off with water.
  - Check for leaking outside faucets, hoses and irrigation systems and make repairs.
  - Use mulch around plants to hold moisture and reduce ground temperature. *Free Mulch, please see Helpful Hints*
  - Only water when plants and grass need it rather than on a set schedule.
  - Purchase or build your own rain barrel to capture rain from the gutters to water plants.
  - Consider creating a conservation friendly landscape that can also be hassle-free for the homeowner.
- For more info see these websites:  
[www.sustland.umn.edu/](http://www.sustland.umn.edu/)  
[www.wateruseitwisely.com](http://www.wateruseitwisely.com) or  
[www.bluthumb.org](http://www.bluthumb.org)



## ► Helpful Hints

- The water meter in your home can help detect leaks. Read your meter before and after a period of time (2 or more hours) when no water is being used. If the meter readings are not exactly the same, you may have a leak.
- Locate the main water shut-off valve inside your home and make sure it operates. Knowing the location and how to operate it could prevent significant water damage in an emergency.
- Reduce water consumption and save \$\$'s on heating, softening, and sewer costs.
- Don't pour water down the drain if it can be used elsewhere, like watering plants.
- Place a rain gauge in an open area of the landscaping to measure rain and irrigation water accumulation.
- Mulch is free to Apple Valley residents at the Central Maintenance Facility based on availability.



### Conservation Websites

[www.epa.gov/watersense](http://www.epa.gov/watersense)  
[www.epa.gov/water/kids.html](http://www.epa.gov/water/kids.html)  
[www.health.state.mn.us/divs/eh/water/urbancycle/index.html](http://www.health.state.mn.us/divs/eh/water/urbancycle/index.html)  
[www.metrocouncil.org/Wastewater-Water/Planning/Water-Supply-Planning/Water-Conservation-Toolbox-Customers.aspx](http://www.metrocouncil.org/Wastewater-Water/Planning/Water-Supply-Planning/Water-Conservation-Toolbox-Customers.aspx)