



BOLINAS COMMUNITY PUBLIC UTILITY DISTRICT

Conducting a Household Water Audit

The following household water audit information can assist homeowners in determining how much water is used throughout the day and help to identify ways that water use can be minimized to help conservation efforts.

The worksheet below can assist in figuring out how much water gets used at your property on a daily basis. Note that the Gallons Per Minute listed on this worksheet are estimates based on standard appliances and fixtures. Check your fixtures for flow rates to get an accurate number (for example, low-flow toilets use 1.6 gallons per flush and efficient laundry machines use 17-20 gallons per use).

Water Use Activity	Gallons per Minute or Use		Minutes or Uses per day	=	Total Water Use Per Day
1. Showers	5 gal*/minute	X	_____	=	_____
2. Baths	36 gal/use	X	_____	=	_____
3. Tooth Brushing	3 gal/minute	X	_____	=	_____
4. Hand Washing	2.5 gal/minute	X	_____	=	_____
5. Shaving	3 gal/minute	X	_____	=	_____
6. Toilet Flushing	3.5 gal*/flush	X	_____	=	_____
7. Dishwasher	30 gal*/use	X	_____	=	_____
8. Laundry	48 gal*/use	X	_____	=	_____
9. Garden	12 gal*/min	X	_____	=	_____
				Total	_____

*Note - Newer, water efficient appliances will use much less water than older models. Irrigation systems may use more or less water based on how many zones you have. To find out how many gallons your appliance and/or watering system uses, follow the "How to read your water meter" instructions below.

Use this area to calculate water use by reading your water meter:

Meter reading #1	Meter reading #2	Difference	Multiply by 7.48	Total Gallons
_____	_____	_____	<u>7.48</u>	_____
_____	_____	_____	<u>7.48</u>	_____
_____	_____	_____	<u>7.48</u>	_____
_____	_____	_____	<u>7.48</u>	_____

Making changes in your daily behaviors that are simple and inexpensive will go a long way towards conserving our most precious resource – water. For tips and information on how to reduce your water use, go to the Water Conservation page of our website at <https://bcpud.org/water/water-conservation/>.

How to read your water meter

There are 7.48 gallons of water per cubic foot. To calculate the average gallons per day used each quarterly billing cycle, multiply the total cubic feet used (found on your water bill) by 7.48 to find the total gallons used. Divide the total gallons by 90 to get the average gallons used per day.



To determine how many gallons are used at any given time, do the following:

- Check your meter and write the current reading down under "Meter reading #1", above.
- Run water specific appliance or system.
- Check you meter again and write the new reading down under "Meter reading #2", above
- Calculate the difference by subtracting the 1st meter reading from the 2nd meter reading
- Multiply the difference by 7.48 to get the total gallons.

For example: 1st read at 12:00pm – 4774 2nd read at 1:00pm – 4779
 Difference – 5 (total cubic feet used) 5 X 7.48 = 37.40
 Total gallons used between 12:00pm and 1:00pm = 37.40