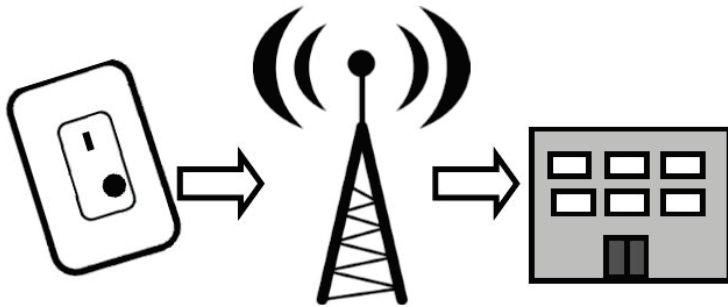




# How To Read Your Water Meter

3/4" - 2" Badger Meters

## ADVANCED METERING INFRASTRUCTURE (AMI) SYSTEM



YOUR METER AND RADIO

COLLECTOR

WATER DISTRICT

Carpinteria Valley Water District is in the process of installing an Advanced Metering Infrastructure (AMI) system across its service area. When completed, the new AMI system will include enhanced water meters with state-of-the-art technology that will wirelessly communicate water usage data to the District. The new meters will be able to collect multiple remote meter reads per day, allowing for better leak detection and improved customer service.

In the mean time, this handout, provides information on the new digital meters, how to read them and determine your water consumption.

## LOCATE YOUR WATER METER

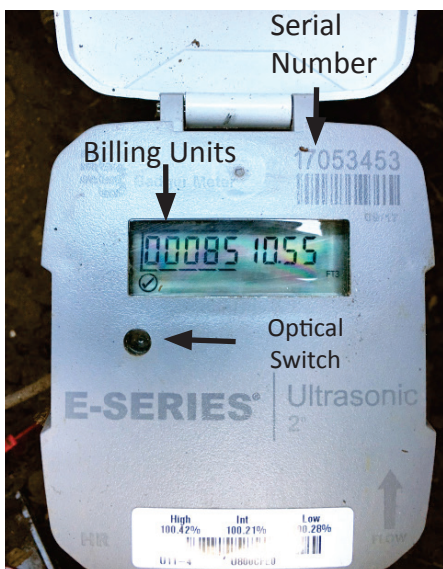
Your meter is located in a small, concrete or fiberglass box in the ground, usually near the street at the front of your property. The meter box cover will be labeled **Water**.

**Note:** Be careful when removing the meter box cover so as not to damage the antenna or smash your fingers. Use a screwdriver to remove the cover and gently place it next to the meter box. You may also want to wear gloves as protection against insects and spiders that may be in the meter box.

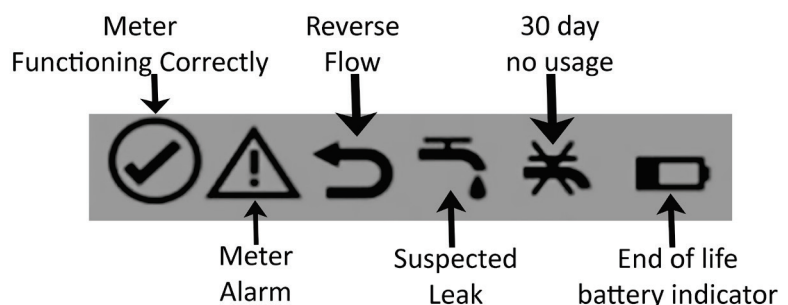
Meter Box Cover



## METER DISPLAY



Lift the lid of the water meter. This will activate the light sensor on the meter, displaying a nine-digit LCD to show consumption, as seen in the image to the left. Below is an image of alarm indicators which may also be displayed on the LCD screen and corresponding status.



# READING THE METER

Meter Reading 1



Meter Reading 2



The first four underlined numbers, all the way to the left, are the billing units, measured in hundred cubic feet (HCF), that have passed through the meter. Those are the numbers used to calculate your usage.

**The following steps and example will show you how to determine how much water you use over a period of time.**

1. Read the first four underlined numbers, all the way to the left and write them down; also note the date.

**Meter Reading 1:** Date: 3/4/2018 Read: 46

2. After a period of days, read the meter again and write down the read along with the date.

**Meter Reading 2:** Date: 3/7/2018 Read: 47

3. Note the number of days between readings.

**Number of Days:** 3

4. Subtract the first read from the second read. This is your water use in hundred cubic feet (HCF) for that time period.

**HCF Used:**

Read 2	<u>47</u>	HCF
Read 1	<u>- 46</u>	HCF
	<u>= 1</u>	HCF Used

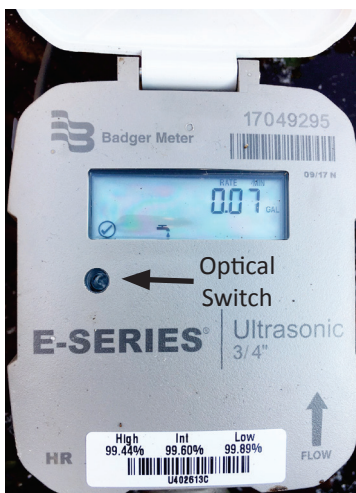
5. To calculate the amount of water used in gallons, multiply the amount of HCF used by 748.

**Gallons Used:** HCF used 1 x 748 gallons/1 HCF = 748 gallons used


6. To calculate your average daily water use, divide the water use in gallons by the number of days between readings.

**Average Daily Water Use:** Gallons used 748 ÷ 3 days = 249.33 average daily water use

# CHECKING FOR A LEAK



The display will alternate between the unit read and the rate of water currently flowing through the meter. You can also display the rate of flow mode by touching the optical display switch or by closing and opening the meter's lid.

If there is no water flow, the display will read 0.00 Your water meter also has a leak indicator icon,  that will display potential leaks in your house. For example, the image to the left, shows a flow of .07 gallons per minute. You can also determine if you have a leak by turning off all the faucets and spigots in and around the house. The rate of flow, measured in gallons per minute, should be 0.00. If there is water flow, you likely have a leak.

**Please Note:** CVWD does not repair leaks on the customer side of the meter. That is the customer's responsibility. You may wish to call a plumber, because hidden leaks can be very expensive.