

Available Now
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NEW WATER EFFICIENCY INCENTIVE PROGRAM

WATER MONITORING AND MANAGEMENT

Imagine being able to discover a low volume leak, like a slab leak, within hours of it starting. With our current water meter reading based system it might take literally months before you even realized that this leak existed and by then you have lost maybe hundreds of gallons of water, accumulated high usage costs and possible damage to your property.

What if you were able to find out within minutes that one, or more, of the sprinkler heads on your irrigation system had broken off or that a tree root had broken a water supply line on your property? It could be quite possible that you could have one of these issues happening right now but how would you know.



THE PROBLEM

Nearly one trillion gallons of water are wasted in U.S. homes each year from easy to fix leaks. In the average home, household leaks waste more than 10,000 gallons of water each year. That's the amount of water needed to wash 270 loads of laundry. Water is a precious resource in Southern California and we cannot take it for granted.

We do our best to be good stewards of our water usage; however, if we had the tools to observe and manage our water usage in real-time we could truly take control of our daily water consumption. Today, you get your water bill shortly after the close of the billing period that covers a month's worth

of use, and it only tells you how much water you used during the previous month.



Trying to use this consumption information to better manage your water use is somewhat like trying to steer a boat by looking at its wake. The problem is you are generally clueless as to the adjustment that might need to be made for what's happening right now.

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THE CHALLENGE

Having access to your daily usage, ideally down to minute-by-minute usage details, or at the very least some reasonable increment of time. With this level of access, you can determine fairly accurately how you are using your water. Wouldn't it be nice to know exactly how much water is being used to wash a load of laundry, or whether there is a small leak in the system, or how much water is being used for irrigation. This is the type of data needed to effectively manage water use. This is the type of data that allows individuals to truly become wise administrators of their water consumption.

SOLUTION

Rainbow Municipal Water District (RMWD) has spent the past two years exploring various ways to provide our ratepayers with better time-of-use water usage information. The challenge was to find a cost effective way to provide our ratepayers with access to this type of data. We believe we have found a viable solution. (**See page 4 for details on how to get your device now**)

During the course of our investigations, we learned of a simple monitoring device that was compatible with our existing metering system. This device measures the amount of water flowing through the meter on a minute-by-minute basis. It is simple to install, providing you have a local Wi-Fi network and only takes approximately 10 to 15 minutes to complete.

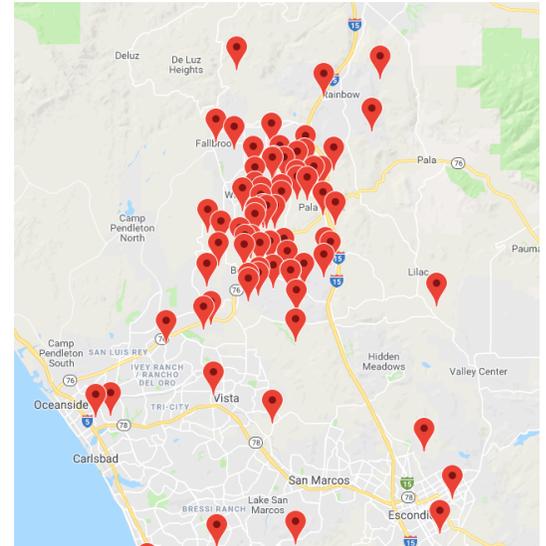
Furthermore, not only does it record usage data, it monitors this usage according to alerts you establish for yourself, including low level leak detection, high volume leak detection, etc. These alerts are sent directly to your smart phone in the form of a text message. In fact, you can use your smart phone to check and monitor your actual water usage, just like your solar system monitor, should you have one.



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FLUME PILOT STUDY

RMWD purchased a couple of these devices to determine the effectiveness of this new technology and its value to our customers. The initial tests were so promising, we set up a pilot project with 50 ratepayers that represented a broad spectrum of water users across the District. Participants in the pilot study have been so enthusiastic about this system, the eagerness of having the power of monitoring your water consumption at your fingertips has rapidly spread. Currently there are 75 additional units that have been independently acquired and installed in the greater Fallbrook area.



Here is what some of our customer's said about their experience.

"Flume saved the day. As a nerdy engineer living in Southern California, I got a flume device a few months ago to better track and manage my water usage. What I didn't expect was for it to save me from a leak that could have potentially caused over \$100,000 in damage to my house."

"What I really like about the system is that it alerts me when my irrigation is running. It will also detect when a valve breaks causing my irrigation to turn on. I feel so much less overwhelmed having 15 valves on my over 5 acre property. Love Flume!!!!"



HOW IT WORKS

There are three components to the system – the water sensor (1), a bridge device (2) and the mobile application (3). The water sensor straps onto your water meter. It collects the data and sends it to the bridge device that is connected to your home Wi-Fi network and transmits the data to the Flume Cloud. The mobile application connects to the Flume Cloud and monitors your usage based on parameters you establish.

SPECIAL OFFER

RMWD believes the Flume device can provide our ratepayers with valuable information to better manage their water use. So much so, that in order to encourage you to acquire a system, we have put together a program in which the District will underwrite the costs for the first 1,000 units purchased.

The basic terms of this special offer are as follows:

- ~ The District created a program where RMWD will cover the cost of the first 1,000 devices including tax and shipping (that is over a \$200 savings).
- ~ The Customer will go to www.flumetech.com/rainbow on the Flume website where they will enter their account number to receive the special offer.
- ~ The Customer agrees to an annual subscription of \$49 per year paid to Flume. This annual subscription pays for the ongoing costs of the monitoring service, technical support, as well as, free replacement batteries and product warranty support.
- ~ The Customer agrees to install the device within 14 days of delivery or return to Flume.

The customer will also enter into an agreement with the District that contains several provisions:

- The device may be used only on properties within the District.
- The customer agrees RMWD's monthly meter reads, **not the Flume**, will determine water bills.
- The customer owns the device and the District will not provide technical support.
- The customer is responsible to own and operate their Wi-Fi network.
- The District does not guarantee reductions in water use.
- The customer indemnifies the District for any damage that may result of their use of the device.

HOW TO GET YOUR FLUME SYSTEM

Visit www.flumetech.com/rainbow to order FlumePRO and start saving water, money and protecting your home today. Act now if you want to get a system at a reduced cost.

If you have any additional questions please contact Cynthia Gray at 760-728-1178 Ext. 101.

