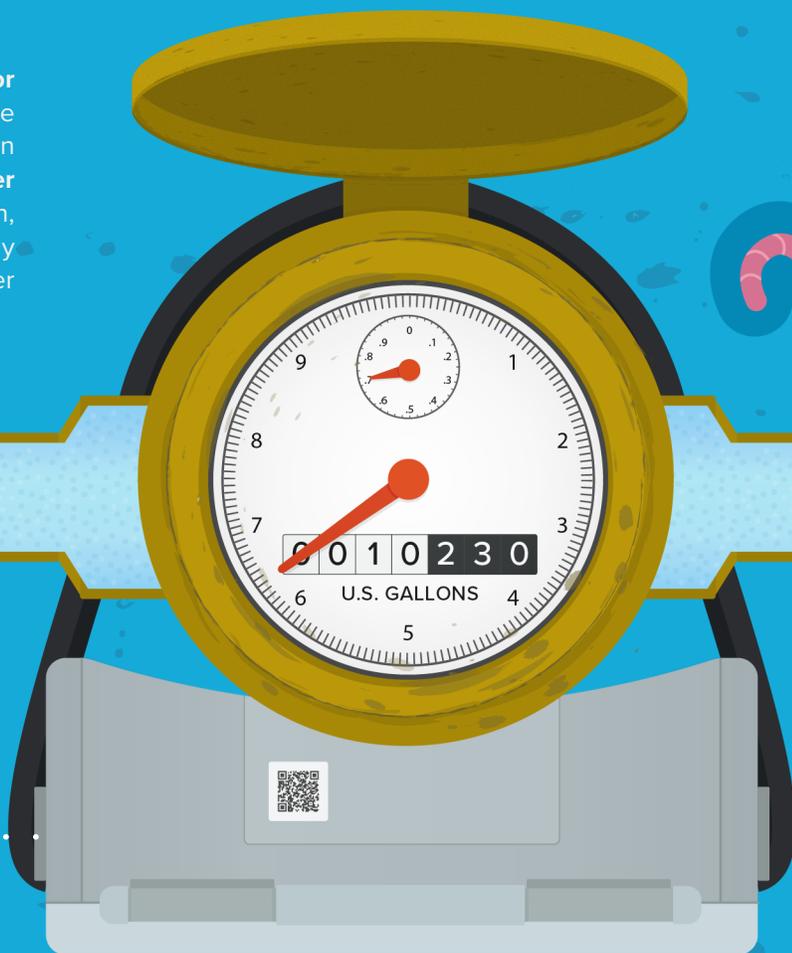


KNOW YOUR SMART WATER METERS

01 WHAT IS A SMART WATER METER?

Smart water meters are networked devices that **monitor household water consumption** in real time. Unlike traditional water meters, smart meters use communication technologies to provide **accurate, high-definition water usage data** to consumers and utilities. The timely collection, analysis, and delivery of this information can positively impact **consumer water use behavior** and enables water agencies to effectively manage **supply and demand**.



Smart water meters come in different shapes and sizes. The installation, compatibility, and performance of each model varies by brand.

02 PARTS OF A SMART WATER METERING SYSTEM

A smart water metering (SWM) system may be composed of several components:

+ Flow monitoring sensor: An **electronic sensor** that measures and records water flow can either be located inside the meter or attached to it.

+ Communications network: Smart water meters transmit water data to the utility for **customer billing**. The network's **coverage** and **connection quality** depends on the type of communication technology used (wired, wireless, or a combination of both). Customers can access their consumption data through an **online portal** or **companion mobile app**.

03 WHY SMART WATER METERS?

Pros

- + Provides **real-time water usage & consumption data**
- + **Remote monitoring**
- + Efficient **leak detection & repair**
- + Ensures **accurate billing**
- + Helps users identify **water consumption patterns & inefficiencies**
- + Easy to **install & maintain**
- + Eligible for **rebates**
- + May be **recyclable**
- + Streamlines **utility operations & maintenance**

Cons

- + **Initial learning curve**
- + **Higher purchasing cost** than traditional meters
- + High utility **deployment & maintenance costs**
- + **Lack of existing infrastructure** to support smart metering
- + Potential **interoperability issues**