

Why Your Facility Pays More for Water Than It Should — and How to Fix It

If your facility has a municipal water meter, it is almost certainly counting more than arrives. **Any high-velocity open-valve event — equipment startup, cooling tower cycling, or peak demand — creates the conditions for air, gas, and turbulence to form in the line at your meter, and you're billed for it.** The FCD (Flow Conditioning Device) corrects the measurement at the meter. Every downstream system stays the same. Your water bill drops — and so does your sewer bill, because sewer charges are calculated from the same inflated meter reading. One device. Two bills fixed.

WHY ANY FACILITY WITH A MUNICIPAL WATER METER WATER METERS OVER-READ

The Core Problem: Municipal Water Meters Are Designed to Measure Steady Flow — Not the High-Velocity Demand Events Your Facility Creates

A municipal water meter measures flow accurately under steady laminar conditions. When any high-velocity demand event occurs — a pump starting, a valve opening, simultaneous fixtures activating — air, gas, and turbulence enter the supply line and register as billable water volume. This happens at virtually every commercial and industrial facility, every day. The FCD creates stable back-pressure that reduces those conditions at the meter.

THE THREE CORE OVER-READING SOURCES



High-Velocity Startup Events

Any pump startup, large valve opening, or sudden high-demand event creates air, gas, and turbulence in the line at the meter — generating meter over-reading on every activation throughout every operating day at any facility type.



Cycling System Demand

HVAC, cooling towers, irrigation, and process systems cycling on and off create repeated high-velocity demand events — generating air, gas, and turbulence at the supply meter throughout every operating day.



Simultaneous Peak Demand

Multiple systems or fixtures drawing simultaneously create compounding demand surges — generating maximum air, gas, and turbulence at the supply meter during the highest-demand periods of every operating day.



If You Have a Municipal Water Meter and a Water Bill, the FCD Will Almost Certainly Reduce It

The FCD has been documented reducing water and sewer bills by 5–30% across breweries, hospitals, hotels, schools, factories, farms, car washes, and dozens of other facility types. The mechanism is the same everywhere: high-velocity demand events generate air, gas, and turbulence that your meter registers as billable water. The FCD corrects that in about one hour, with a 6-month money-back guarantee and a lifetime transferable warranty.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Startup events inflate meter on every activation
- ✗ Cycling systems compound over-reading all day
- ✗ Water and sewer bills inflated every billing cycle
- ✗ Sewer charge tied to inflated meter

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WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Startup events read accurately
- ✓ Cycling systems measured correctly
- ✓ Water and sewer bills reflect true consumption
- ✓ Sewer charge based on real usage

5–30%

Average water & sewer bill reduction

46%

Highest documented single-site reduction

~1 Hour

Install time — water off about 1 hour

6-Mo

Money-back, no questions asked · install non-refundable

How the FCD Works — Four Steps

- 1

Installs between two pipe joints right after your water meter — water off about one hour
- 2

Creates a slight back-pressure that extends back through the meter, reducing air, gas, and turbulence
- 3

Delivers a laminar-like flow profile through the meter — the condition it was calibrated to read
- 4

Meter reads accurately. Bill drops. Every downstream system, process parameter, fixture, and facility operation is effectively unchanged.

FREE SAVINGS ESTIMATE

Instant estimate — takes 30 seconds, no contact info required.

waterflowinnovations.com/water-bill-savings-calculator

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CERTIFICATIONS

IAPMO NSF/ANSI/CAN 61 KIWA GMP SQF

316L Stainless Steel · Made in USA
Under 0.8 psi pressure loss
Lifetime Transferable Warranty