



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

Water Flow Innovations LLC

Flow Conditioning Device (FCD)
waterflowinnovations.com

Your irrigation systems, packhouse, and facility water all draw from the same municipal supply — but your meter counts more than arrives. **Irrigation startups, packhouse washdown, and cooling system cycling create 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. Irrigation rates and every agronomic parameter stay 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 AGRICULTURE WATER METERS OVER-READ

The Core Problem: Agricultural Irrigation Startups Create the Largest Single-Event Demand Surges of Any Municipal-Connected Operation

Commercial irrigation systems drawing from municipal supply start across multiple zones simultaneously — creating high-volume open-valve surges that generate air, gas, and turbulence at the supply meter on every event. Packhouse washdown and cooling compound that over-reading. The FCD corrects all of it without changing irrigation rates, scheduling, or any agronomic parameter.

THE THREE OVER-READING SOURCES UNIQUE TO AGRICULTURE & COMMERCIAL FARMING OPERATIONS



Irrigation System Startups

Multi-zone irrigation system startups create the largest single-event demand surges of any municipal-connected operation — generating maximum air, gas, and turbulence at the supply meter on every irrigation activation throughout the growing season.



Packhouse Washdown Demand

Post-harvest packhouse and cold storage facility washdown creates large, high-velocity demand events — compounding irrigation over-reading throughout the harvest and packing season on every operating day.



Cooling & Refrigeration Makeup

Pre-cooling and cold storage refrigeration makeup water cycling with harvest volume creates variable demand events — adding a third over-reading source on top of irrigation and washdown demand every billing cycle.



Your Water Intensity Per Unit of Crop Is Better Than Your Meter Shows

USDA Water Quality Initiative reporting, GlobalG.A.P. sustainability certification, and retail customer scorecards (Whole Foods, Walmart, Costco produce programs) track water intensity per unit of crop produced. When the meter over-reads irrigation startups, every reported figure is inflated. After FCD installation, metered intake reflects true use — improving the accuracy of GlobalG.A.P. water stewardship scores and retailer sustainability compliance documentation.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Irrigation startups inflate meter every event
- ✗ Packhouse washdown compounds over-reading
- ✗ Water intensity per crop unit overstated
- ✗ Sewer charge tied to inflated meter



WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Irrigation startups read accurately
- ✓ Packhouse washdown measured correctly
- ✓ True water intensity per unit revealed
- ✓ 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. Irrigation rates, scheduling, crop protocols, and every agronomic parameter are 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