



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

Water Flow Innovations LLC

Flow Conditioning Device (FCD)
waterflowinnovations.com

Your dock pedestals, washdown stations, and pressure washers all run from one municipal supply — but your meter counts more than actually arrives. **Pressure washer startups, multi-slip washdowns, and seasonal flush-out demand 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. Dock pressure 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 MARINA WATER METERS OVER-READ

The Core Problem: Boatyard Pressure Washers and Simultaneous Slip Washdowns Are Exactly the Events That Drive Over-Reading
High-pressure washers draw water at maximum flow the instant they start — creating the most intense open-valve demand events of any marina water use. Multiple slips washing down simultaneously compound those events at the same supply meter. Your meter registers it all as billable water. The FCD corrects that without changing pressure at any pedestal or washdown station.

THE THREE OVER-READING SOURCES UNIQUE TO MARINAS & BOATYARDS



Pressure Washer Startups
High-pressure washer startups create the most intense open-valve demand events at any marina — generating maximum air, gas, and turbulence at the supply meter on every activation during haul-out season.



Multi-Slip Simultaneous Washdown
Multiple boat owners washing down simultaneously from the same supply meter creates compounding demand surges — each slip adding its own high-velocity events on top of the others during peak season.



Seasonal Flush-Out Demand
Spring launch and fall haul-out create concentrated high-volume demand periods — seasonal surges that generate the highest per-event over-reading of the entire operating year at one meter.

 **Your Marina's Water Cost Per Slip Is Higher Than It Should Be — and It's Recoverable**
For marinas that allocate water costs across slip fees or boatyard service rates, over-reading inflates the true cost per slip and service ticket. After FCD installation, your water cost per slip drops — improving margin on slip revenue, simplifying rate-setting, and reducing the utility line on every boatyard estimate. The \$999 FCD pays back in reduced bills from day one.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Pressure washer startups inflate meter
- ✗ Multi-slip washdowns compound over-reading
- ✗ Water cost per slip inflated every season
- ✗ Sewer charge tied to inflated meter

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WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Pressure washer startups read accurately
- ✓ Multi-slip washdowns measured correctly
- ✓ True water cost per slip 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. Dock pedestal pressure, washdown flow, and every boatyard water system are effectively unchanged.