



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

Water Flow Innovations LLCFlow Conditioning Device (FCD)
waterflowinnovations.com

*Your clubhouse, irrigation, and maintenance facilities all draw from the same supply — but your meter counts more than arrives. **Irrigation startups, clubhouse HVAC cycling, and pool replenishment 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. Turf conditions and every course and clubhouse service 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 GOLF COURSES WATER METERS OVER-READ

The Core Problem: Golf Course Irrigation Startups Are Among the Highest Single-Event Water Demand Surges of Any Property Type

Golf course irrigation systems drawing from municipal supply start dozens of zones simultaneously — creating massive high-volume open-valve surges that generate maximum air, gas, and turbulence at the supply meter on every irrigation cycle. Clubhouse HVAC and pool demand compound that over-reading. The FCD corrects all of it without changing turf conditioning targets, irrigation schedules, or any clubhouse service.

THE THREE OVER-READING SOURCES UNIQUE TO GOLF COURSES & COUNTRY CLUBS



Irrigation System Zone Startups

Multi-zone irrigation startups create the largest single-event demand surges of any golf course water use — generating maximum air, gas, and turbulence at the supply meter on every irrigation cycle throughout the growing season.



Clubhouse HVAC Cooling Tower

Clubhouse and banquet facility HVAC cooling tower makeup cycling with occupancy load creates continuous variable demand — compounding irrigation over-reading throughout every operating day during peak season.



Pool & Water Feature Replenishment

Pool and water feature evaporation makeup and backwash cycles create variable high-volume demand — adding a third compounding over-reading source on top of irrigation and HVAC demand on every billing cycle.



Your Water Intensity Per Round Is Better Than Your Meter Shows — and Audubon Certification Depends on It

Audubon International Cooperative Sanctuary Program and GCSAA water stewardship reporting both track water intensity per irrigated acre and per round. When the municipal meter over-reads irrigation startups, every certification metric is inflated. After FCD installation, metered intake reflects true use — improving the accuracy of Audubon certification scores, USGA sustainability program metrics, and member communication on environmental stewardship.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Irrigation startups inflate meter every cycle
- ✗ HVAC cooling compounds over-reading
- ✗ Water intensity per round overstated
- ✗ Sewer charge tied to inflated meter



WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Irrigation startups read accurately
- ✓ HVAC demand measured correctly
- ✓ True water intensity per round 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. Turf conditioning, irrigation schedules, pool chemistry, and every course and clubhouse service are effectively unchanged.

FREE SAVINGS ESTIMATE

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

waterflowinnovations.com/
[water-bill-savings-calculator](#)

Water Flow Innovations LLC

2651 Route 412
Coopersburg, PA 18036
Info@WaterFlowInnovations.com
1-(844)-934-8258

CERTIFICATIONS

IAPMO NSF/ANSI/CAN 61 KIWA GMP SQF

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