

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

Your rides, food service, restrooms, and HVAC all draw from the same supply — but your meter counts more than arrives. **Water ride makeup, restroom surge demand, and cooling tower 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. Every guest experience and park 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 THEME PARKS WATER METERS OVER-READ

The Core Problem: Theme Parks Create the Most Extreme Simultaneous Demand Spikes of Any Outdoor Venue

Theme parks combine water ride recirculation makeup, thousands of simultaneous restroom fixtures, full-scale food service operations, and massive HVAC systems — all from the same supply meter, all spiking simultaneously during peak attendance. Each creates air, gas, and turbulence in the line at the meter. The FCD corrects all of it at the meter without changing any guest experience, ride operation, or park system.

THE THREE OVER-READING SOURCES UNIQUE TO THEME PARKS & AMUSEMENT FACILITIES



Water Ride Makeup Demand

Water ride recirculation system makeup and splash zone replenishment create continuous variable demand — one of the most distinctive over-reading sources at any theme park, running throughout every operating hour during the season.



Restroom Peak Surge Demand

Thousands of simultaneous restroom fixtures at peak attendance create extreme demand surges — generating maximum air, gas, and turbulence at the supply meter multiple times throughout every high-attendance operating day.



HVAC Cooling Tower Makeup

Theme park HVAC and show building cooling tower makeup cycling with park occupancy creates continuous variable demand — compounding water ride and restroom over-reading throughout every operating day.



Your Water Intensity Per Guest Visit Is Better Than Your Meter Shows

IAAPA sustainability benchmarking and brand ESG programs (Disney, Universal, Six Flags, Cedar Fair) track water intensity per guest visit. When the supply meter over-reads ride makeup and restroom surges, every reported figure is inflated. After FCD installation, metered intake reflects true use — improving the accuracy of IAAPA water benchmarks, park sustainability reports, and operator investor ESG disclosures, all auditable from utility bills.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Ride makeup inflates meter throughout operations
- ✗ Restroom surges compound over-reading
- ✗ Water intensity per guest visit overstated
- ✗ Sewer charge tied to inflated meter



WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Ride makeup reads accurately
- ✓ Restroom surges measured correctly
- ✓ True water intensity per guest visit 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. Every ride system, restroom pressure, food service operation, and guest experience is 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