

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

Your showers, restaurant, laundry, and truck wash all draw from the same supply — but your meter counts more than arrives. **Truck wash arch startups, shower facility demand peaks, and restaurant kitchen 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 driver service and facility operation 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 TRUCK STOPS WATER METERS OVER-READ

The Core Problem: Travel Centers Have the Most Diverse Set of High-Intensity Water Demand Sources of Any Single Commercial Property

A full-service travel center combines a truck wash, driver shower facility, full-service restaurant, laundry, and fuel island restrooms — all on one supply meter. Each system creates its own high-velocity demand events. Truck wash arch startups alone are among the most intense open-valve events of any commercial water use. The FCD corrects all of it at the meter without changing any driver-facing service.

THE THREE OVER-READING SOURCES UNIQUE TO TRUCK STOPS & TRAVEL CENTERS



Truck Wash Arch Startups

High-pressure truck wash arch startups create the most intense open-valve demand events on the property — generating maximum air, gas, and turbulence at the supply meter on every vehicle activation throughout the operating day.



Driver Shower Facility Peaks

Driver shower facilities cycling with truck traffic peaks create variable high-volume demand surges — compounding truck wash over-reading throughout every busy shift at high-traffic locations.



Restaurant Kitchen Demand

Full-service restaurant kitchen equipment, dishwashers, and prep sinks create high-velocity demand events throughout every service period — adding a third over-reading source on top of truck wash and shower demand.



Your Water Cost Per Transaction Is Higher Than It Should Be — the FCD Fixes It Permanently

Travel center operators track utility cost per transaction as a core site profitability metric. When the meter over-reads truck wash and shower demand simultaneously, that figure is inflated across every revenue center every day. After FCD installation, metered intake reflects true use — permanently improving water cost per transaction for single-location operators and NATSO/Pilot/Love's multi-site portfolios alike.

BEFORE & AFTER THE FCD

WITHOUT FCD

- ✗ Air, gas & turbulence billed as water volume
- ✗ Truck wash startups inflate meter each vehicle
- ✗ Shower peaks compound over-reading
- ✗ Water cost per transaction inflated daily
- ✗ Sewer charge tied to inflated meter

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WITH FCD INSTALLED

- ✓ Metered volume reflects water actually delivered
- ✓ Truck wash demand reads accurately
- ✓ Shower demand measured correctly
- ✓ True water cost per transaction 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. Truck wash quality, shower pressure, restaurant operations, and every driver-facing service are effectively unchanged.