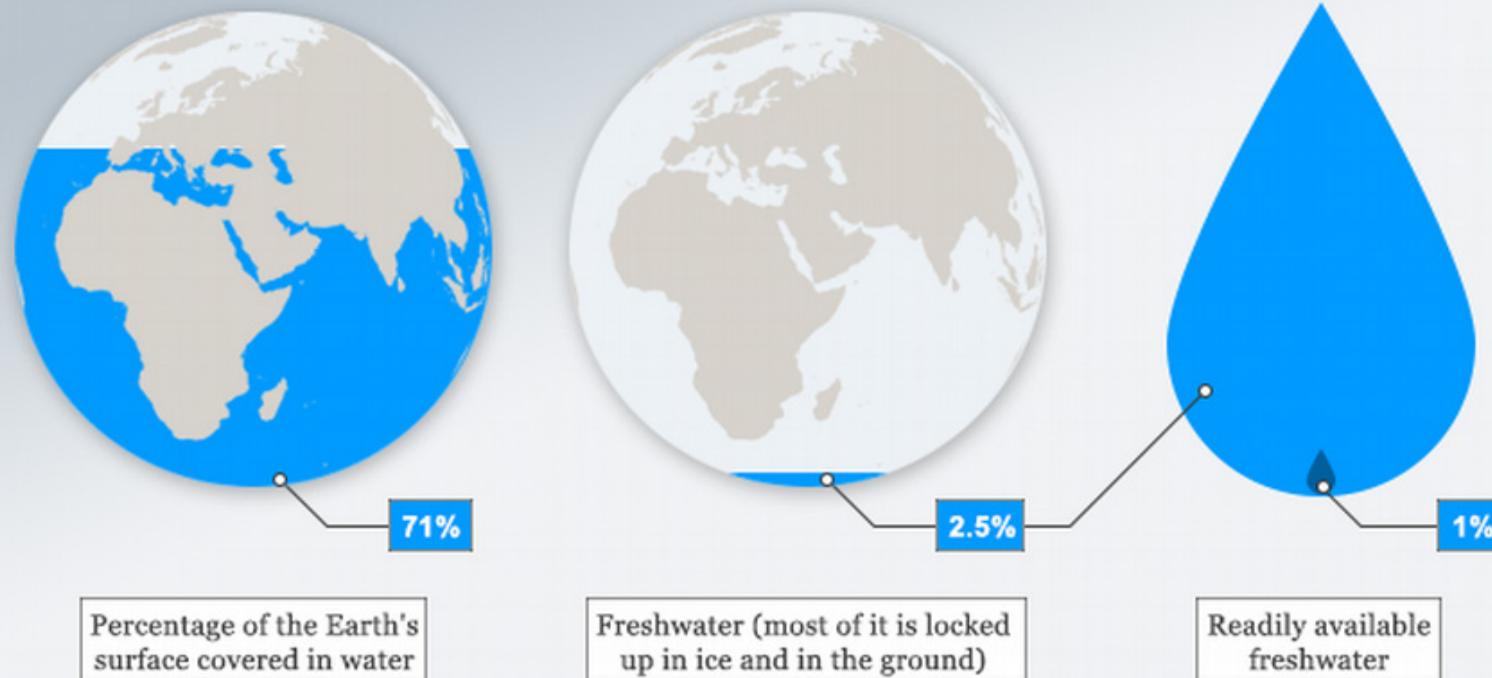


FLUIDLYTIX[™]
Intelligent Water Management

Freshwater is a Global Problem

Freshwater makes up a very small fraction of the Earth's water



Source: USGS

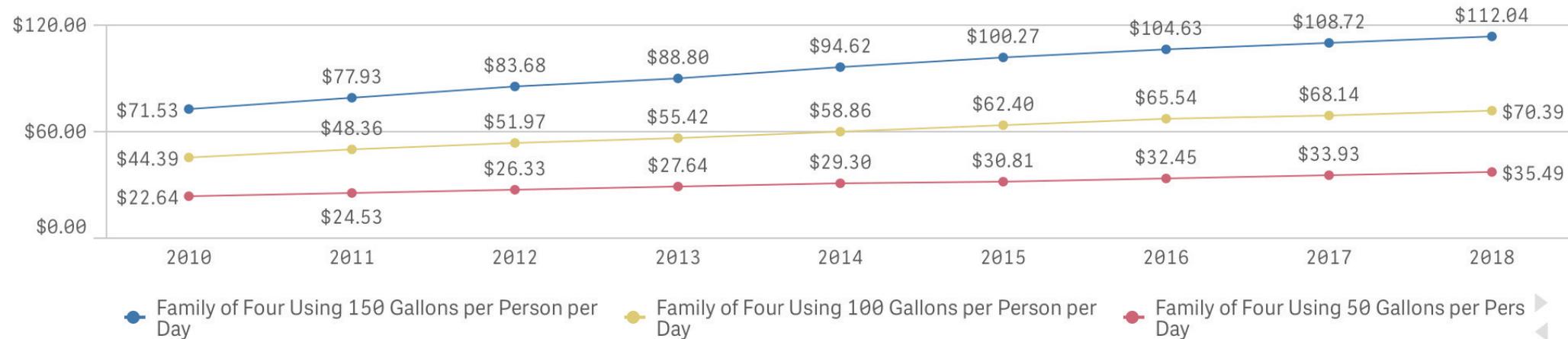
© DW

- The United Nations warns that more than 2.7 billion people will not have adequate safe drinking water by the year 2025 if we continue to consume water at today's rates.
- Only 1% of the Earth's surface is suitable for drinking water—and this is increasingly at risk from pollution. The rest is undrinkable salt water (97%) and glacier ice (2%).

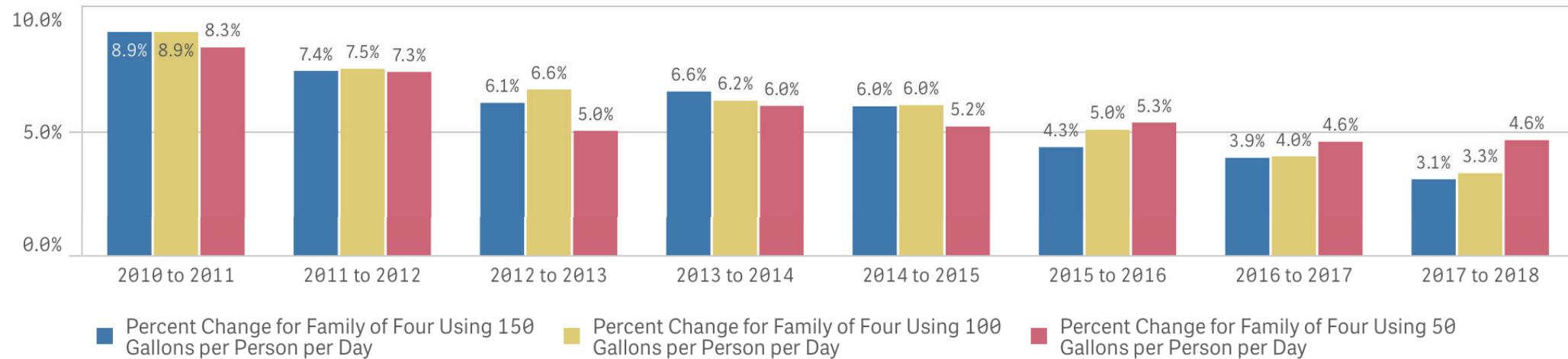
Water Costs are Rising. Our Earth's Water Resources are Rapidly Diminishing.

The Price of Water in United States Continues to Increase*

Average Monthly Cost of Water



Annual Percent Change for Monthly Cost of Water



* Source: "Price of Water 2017: Four Percent Increase in 30 Large U.S. Cities," By Brett Walton, Circle of Blue – May 18, 2017

Our Mission



FluidLytix's goal is to help humanity solve one of the most problematic issues facing the world in the 21st Century—freshwater scarcity and freshwater quality in two ways:

- Providing water efficiency solutions that help customers save water and save money.
- Providing cutting-edge water technologies with IoT and AI to monitor, measure, analyze, predict and control water usage and water quality.
- We call our vision for the future of water: **Internet of H₂O™**.

..... Damir Perge
Co-Founder & CEO





Our Value Proposition is simple: we save money, and we save water. Our water technology reduces water utility bills up to 30% and reduces water usage by 6% to 9%.

..... Juan Carlos Bocos Jr.
Co-founder & Chief Engineering Officer
Co-inventor of FluidLytx WAVE Valve

Our Valve Technology

We have improved our proprietary WAVE™ Water Efficiency Valve to lower utility water bills up to 30% and reduce water usage by 6% to 9%.

High Quality: 100% Medical Grade Stainless Steel (Series 3)

Manufacturing: Made in the U.S.A.

Simple Installation: One hour typical installation time

Valve Sizes: Available in all sizes up to 16" and metric sizes

Certification: NSF/ANSI/CAN 61, IAPMO Standard IGG 338

Warranty: 10 Years



3 in 1 Wave Water Efficiency Valve

- **Compressible Flow Valve.** Compresses the accumulated air in the water line, reducing the volume of air prior to flowing through the water meter. The result is up to 30% savings on water consumption costs.
- **Adjustable Pressure-Regulating Valve.** Regulates water pressure to reduce water usage by 6% to 9%. This saves water, increases the service life of plumbing system components, and reduces risks of water leaks.
- **Check Valve.** The single-coil spring mechanism uses a consistent spring-force design that responds rapidly to flow variation.

Our Product Specifications & Pricing Options

FluidLytx™ manufactures in the United States and distributes globally. The company uses various business models and pricing options to satisfy the customer’s needs from a CapEx or OpEx financial perspective. FluidLytx provides the option to finance the solution over a 5-year or 10-year period—enabling the monthly savings to pay for the monthly subscription fees.



Integrated Solutions

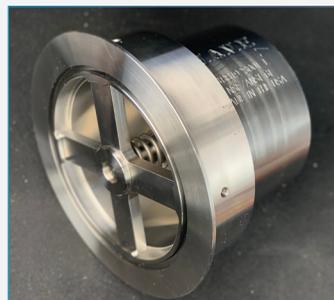
PRODUCT

High Quality Medical Grade Stainless Steel (Series 3).

Made in the USA

10-Year Warranty

Patented



Integrated Solutions

ANY SIZE

Available in all sizes up to 16” and metric sizes. The valve is adjustable to regulate water pressure.



Integrated Solutions

SPECIFICATIONS

NSF/ANSI/CAN 61 Certified

IAPMO Standard IGC 338



Integrated Solutions

INSTALLATION

One hour typical installation time.

The FluidLytx WAVE valve is designed to be installed in an existing pipe joint on the consumer side of the water meter.

Pricing Models: CapEX or OpEX



Payback
CapEx



Combination: Payback + Service Contract
CapEx/OpEx



Service Contract
OpEx

How Our Valve Technology Works

The Water Infrastructure Inefficiency:

- Meters used by water utility companies measure the volume of fluid flowing through the meter, and do not distinguish air from water. This results in artificially high water costs to consumers.
- Water from utility companies is often overpressurized in order to reach customers furthest out as cities grow—resulting in higher usage, especially in time-based usage, i.e. sprinklers use more water than needed.

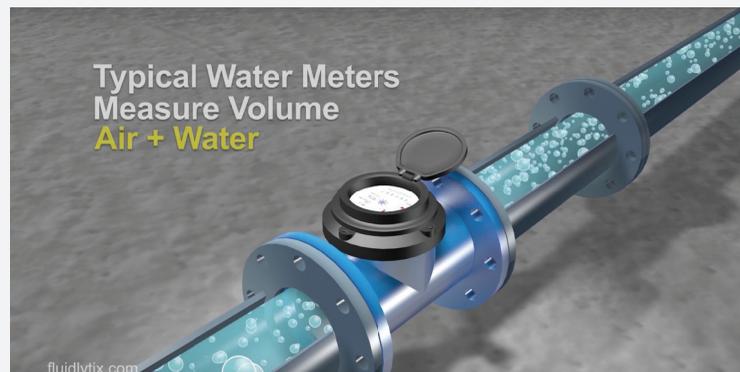


Fig 1: Meters used by water utility companies measure the volume of fluid flowing through the meter and do not distinguish air from water. This results in artificially high water costs to consumers.



Fig 2: Water from utility companies is often overpressurized in order to reach customers furthest out as cities grow; which can result in higher water usage.

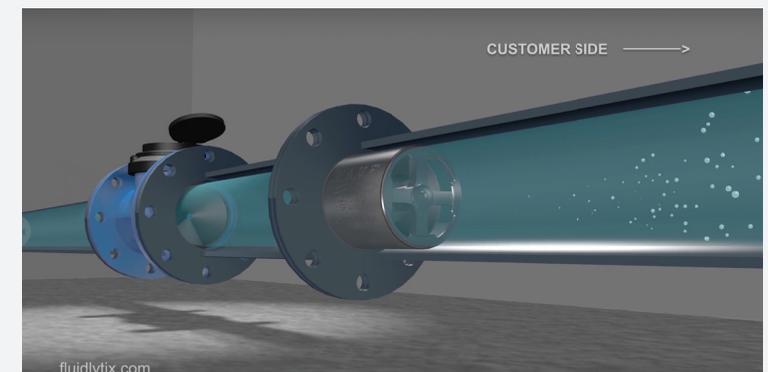


Fig 3: The FluidLytx WAVE valve is placed after the meter on the customer side of the water infrastructure.

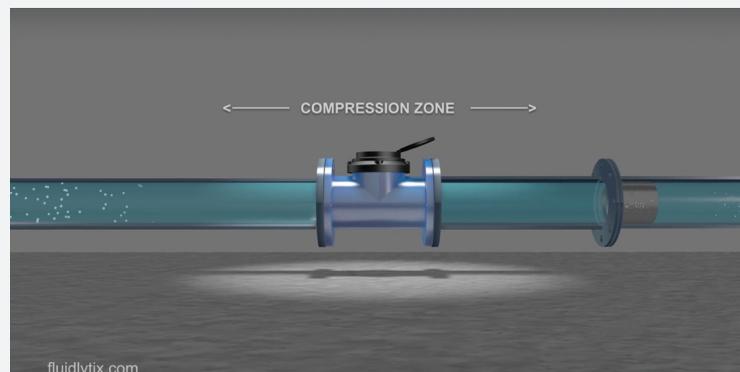


Fig 4: The FluidLytx WAVE valve creates a compression zone between the meter and the valve—and changes the turbulent flow of water coming from the utility into laminar flow as it goes through the meter and the valve.

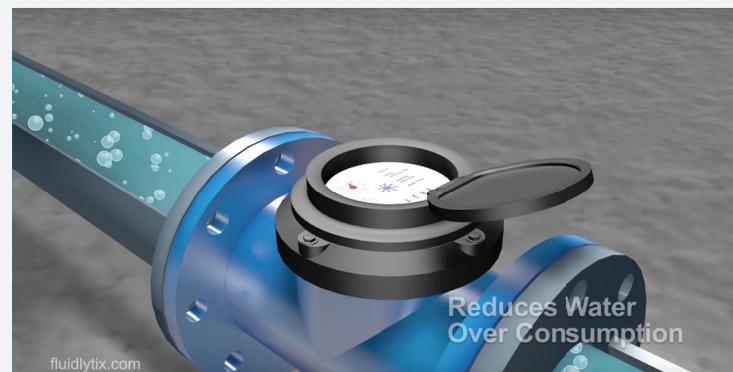


Fig 5: The FluidLytx WAVE valve compresses the accumulated air in the water line, reducing the volume of air prior to flowing through the meter.

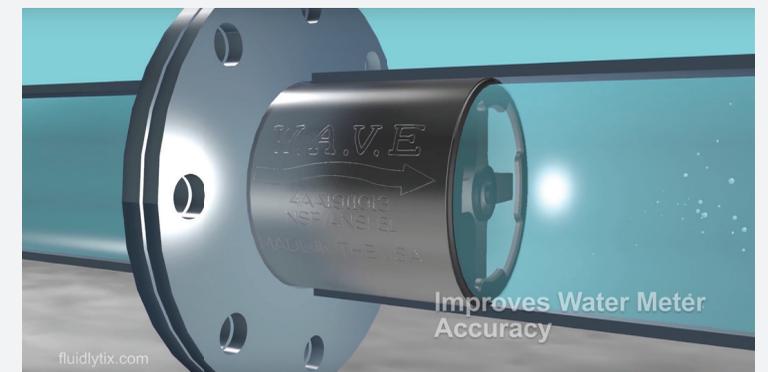


Fig 6: The FluidLytx WAVE Valves improves the accuracy of water meters reading just water instead of the unnecessary volume of water and air.

Vertical Markets

FluidLytx provides intelligent water solutions to diverse vertical markets such as hotels, apartments, grocery stores, schools and universities, factories, etc.



Hotels & Resorts



Apartments



Condominiums



Commercial Buildings



Restaurants



Grocery Stores



Car Washes



Shopping Malls



Government Buildings



Health Clubs & Gyms



Schools & Universities



Hospitals



Golf Courses



Amusement & Water Parks



Senior Care Facilities



Industrial



Energy Producers



Warehouses



Bottling Facilities



Auto Dealerships

Case Studies

The case studies were conducted from three to twelve months after each installation. The monthly consumption cost savings for each client's water utility bills have ranged from 15% to 37.5%, and were dependent on the market sector, geographic area and county.



23.5% Water Cost Savings

Houlihan's Bristol Seafood

Kansas City, Missouri

Solution

2" FluidLytix WAVE water valve. The incoming pressure was 95 psi. Installation time was 45 minutes.

Results

After installation of the FluidLytix WAVE valve on September 2019, there was a decrease of 23.5% in monthly water consumption cost.

Before installation, this property used an average of 5.0 Kgal of water daily. After installation, and without noticeable difference to users, the water usage decreased to 3.9 Kgal daily, even with an increase in sales of 11% during the 28 days after the installation.

After installation, this location used 5% less water per month, resulting in 31,230 gallons saved per month. The result is a savings in both water consumption costs and water usage.



20.7% Water Cost Savings

The Gates Hotel

South Beach, Florida

Solution

4" FluidLytix WAVE water valve. The incoming pressure was 55 psi. Installation time was 35 minutes.

Results

After installation of the FluidLytix WAVE Valve, the location had a decrease of 20.7% in monthly water consumption cost, and a water savings of 8.99% monthly.

Water Use Savings: before installation, the hotel used an average of 133.3 gallons per night sold. After installation, water use decreased to 105.7 gallons per night sold. Additionally, with an increase of 6.8% in average number of nights sold, the gallons consumed decreased by 16.5% during the 12 months after the installation. The result was an average savings of 68,920 gallons of water per month



37.5% Water Cost Savings

Power Generation Facility 1

Vistra Energy, East Coast Facility, USA

Solution

The first power plant location required a 6" WAVE water valve and realized a monthly consumption cost savings of 37.56%.

Results

Power generation facilities utilize water in their production processes. Reduction of air within water lines is important for two critical reasons: (1) Removing air from the water lines improves meter accuracy, resulting in lower water utility costs, and (2) Power production machinery is more efficient when air is absent from the system.

When measuring the impact of the FluidLytix technology, a key metric (KPI) is the amount of water required to produce power (gallons per MWh). Lowering this metric indicates the facility will produce more power with less water.

Case Studies (cont'd)



20.6% Water Cost Savings

WashGuys Car Wash

The Colony, Texas

Solutions

2" FluidLytx WAVE water valve. The incoming pressure was 86 psi. Installation time was 65 minutes.

Results

After the installation of the FluidLytx WAVE Valve, there was a decrease in the average monthly water consumption cost of 20.6%.

Water Use Savings: after installation of the FluidLytx WAVE Valve, the car wash realized a reduction of 7.9% in their monthly water usage, without noticeable change or difference in the quality of wash. In addition, during the same evaluation period, there was a production increase of 27% of cars being washed.



15.02% Water Cost Savings

Villa La Paz

Irving, Texas

Solutions

2" FluidLytx WAVE water valve. The incoming pressure was 75 psi.

Results

After the installation of the FluidLytx WAVE Valve, there was a decrease in the average monthly water consumption cost of 15.02%.

Water Use Savings: after installation of the FluidLytx WAVE Valve, the apartments realized a reduction of 6.83% in their monthly water usage over a 6-month period—resulting in 283,319 gallons saved.



17.9% Water Cost Savings

Power Generation Facility 2

Vistra Energy, East Coast Facility, USA

Solution

The second power plant location required a 12" WAVE water valve and realized a monthly consumption cost savings of 17.99%.

Results

Power generation facilities utilize water in their production processes. Reduction of air within water lines is important for two critical reasons: (1) Removing air from the water lines improves meter accuracy, resulting in lower water utility costs, and (2) Power production machinery is more efficient when air is absent from the system.

When measuring the impact of the FluidLytx technology, a key metric (KPI) is the amount of water required to produce power (gallons per MWh). Lowering this metric indicates the facility will produce more power with less water.

Installations

FluidLytx typical water shut-off time is less than 60 minutes. Over 1,300 installations worldwide.





”

If your business or facility
uses water, you need
FluidLytx WAVE
Intelligent Valve.

..... Errol Boothe
Sales Director, U.S. & Caribbean

FluidLytx Sales Process

1

Water Analysis*

- FluidLytx offers three levels of water audits:
 - General Water Audit: \$495
 - Comprehensive Water Audit: \$4,995
 - Water Balance Audit: Contact for Quote

2

Survey the Water Infrastructure

- Survey of the water infrastructure at each property
- Installation and implementation analysis

3

Provide FluidLytx Solution Proposal

- Solution pricing is based on the following business models:
 - CapEx
 - OpEx
 - Combination of CapEx and OpEx

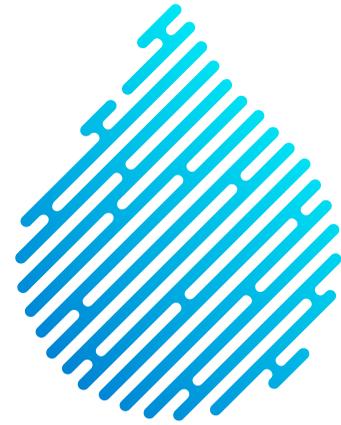
4

Project Management

- Manage the project implementation process
- Coordinate and manage the local installation at each property

* Water audit costs are deducted upon closing of FluidLytx Solution Proposal.

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FLUIDLYTIXTM
Intelligent Water Management

