

# Chateau Tower Condominiums

## Reduces Water & Sewer Costs by 16%



3" SMART VALVE™



In an effort to reduce their constantly increasing water and sewer bill from rising billing rates, the Chateau Tower Condominiums homeowners association near Tampa, Florida implemented the **SMART VALVE™** with the help of energy efficiency consulting services from **Gone Green Earth**. The unique and patented **SMART VALVE™** maintains constant backpressure against the water entering your meter to eliminate air pockets being read by your meter and added to your water/sewer bill. The **SMART VALVE™** has been scientifically proven by independent engineering research studies from prestigious universities like the Texas A & M Engineering Research Center.

### The Solution

After careful analysis of the plumbing distribution system in the complex, the **SMART VALVE™** was installed on the main domestic water line in about 2 hours in July of 2020. Savings averaging 16% was immediately realized on the first bill. All of this was accomplished without a change in water pressure being detected by the residents.

### How it Works

The **SMART VALVE™** is an innovative patented product designed to improve water meter accuracy and achieve water conservation. Installation of the **SMART VALVE™** on the owner's side of the meter reduces consumption readings, thereby lowering monthly water & sewer bills. As faucets, showers, etc. are turned on and off, the pressure changes throughout the water distribution system. This pressure change allows air pockets contained in all water systems to expand and they are read by your meter. The **SMART VALVE™** is specially designed to maintain a constant backpressure at the meter preventing air pocket formation. As a result, water meter readings for non-volumetric applications will be reduced anywhere from 10 to 35%. Because the **SMART VALVE** is the only device of its kind that is externally adjustable, the backpressure can be changed until maximum savings is achieved.

*"Gone Green Earth carefully analyzed the optimal way to install the **SMART VALVE™** before beginning the project. It was seamlessly installed and the solution was undetected by our residents. The valve continues to work perfectly while decreasing our water and sewer costs by over 16%. We are impressed with the numbers and the amazing savings!*

**Chateau Tower Board Member**

## Project Snap Shot

**Before SMART VALVE™**

Usage: 550,000 Gallons/Month

**After SMART VALVE™**

Water/Sewer Savings: 16%

**Annual Savings: \$11,028**

**5 Year "PROFIT": \$45,112**

**Return on Investment:**

**9.2 months**

## Lower Water/Sewer Bills

### Solution Benefits

- » Decreases your water meter readings by reducing over-spinning due to pressure spikes
- » Maintains constant backpressure upstream past your meter to eliminate air pockets read by your meter and added to your bill
- » Flexible installation options – Can be installed directly after the meter set or up to 100 yards downstream
- » Scientifically proven by engineering research studies

