

***Miami, FL***





*Case Study: **Water Valve***

*Location: **Tree House Townhouse Association***

***Miami, FL***

## **Analysis:**

### **Introduction and Summary of Analysis**

A Patent Pending water valve identified as “water valve” was installed on March of 2009 at three different property locations for analysis in order to determine the real performance of the device.

### **Results of Evaluation**

The valves installed have shown great performance results. The evaluation is based on three month period of water service being provided with no interruption whatsoever. The valves as of today, still installed and continually performs its function which is controlling the existing air and water in the plumbing line in order to help the water meter reading without causing any change or harm to its designed function.

The evaluation is also made based on water bills from before and after installation of the valves. The water bill shows specifically results of the reading of the water meters informing the amount of gallons used from one bill to another for the same period of time.

Looking at the water bill numbers we can clearly see that for a ninety (90) days period, the same community with the same number of residents and same water usage routine has consumed LESS water as water bill show. The reduction in consumption is a reality after the valve installation because the “Technology” is functioning 100% as it supposed to.

### **Conclusion**

*The Technology “Works”.* The valve has performed excellent savings results with average over 38% and there was no evidence of water interruption, blockage of any kind, insufficient pressure or any damage to the plumbing design of these properties or to the water service provided to these properties. No material defects or problems on the installation of these valves were found.



## Case Study: Water Valve

Location: **Tree House Townhouse Association**

**Miami, FL**

## Data:

**This Water Bill was paid in March/2009 – Before “Water Valve” was installed**

- Total \$285.65
- Total Usage ( gallons ) 46,376

### WATER BILL SAVINGS ON UNIT #3040



Miami-Dade Water and Sewer Department  
P O Box 026055  
Miami, FL 33102-6055

Name: TREEHOUSE TOWNHOUSE ASSN  
Account Number: 6321425200  
Billing Date: 03/10/2009  
Past Due Date: 03/31/2009

Billing Inquiries (hours 8:00 – 7:00 PM) 305-665-7477  
All Other Inquiries (hours 8:00 – 7:00 PM) 305-665-7488

Page 1 of 2

#### Messages

PAY your bill and VIEW your account on-line at [www.miamidade.gov](http://www.miamidade.gov). To PAY by phone, call 1-877-365-9300.

Please note that the graph showing your usage history will not be available for the next two quarters due to programming upgrades to the billing system.

NEED MORE TIME TO PAY YOUR BILL?  
Call 305 665-7477 and apply for a two-week extension using our 24-HOUR automated system.

#### Account Summary

Previous Balance	\$ 211.10
Payment Received	-211.10
Current Charges	285.65

**Total Account Balance**

**\$285.65**

Service From	Service To	Meter Number	Days of Service	Prior Reading	Current Reading	Consumption in CCF	Consumption in Gallons
12/03/08	03/02/09	41265777	89	4399	4461	62	46376

**Service Address:** 3040 SW 27TH AVE, APT



#### Water Charges

Hydrant Charge  
Water Charges  
**Water Charges Subtotal**

2.40  
72.76  
**\$ 75.16**



### Case Study: *Water Valve*

*Location: Tree House Townhouse Association*

*Miami, FL*

## Data:

**This Water Bill was paid in June/2009 – After “Water Valve” was installed**

- ✚ Total \$179.55
- ✚ Total Usage ( gallons ) 25,432

#### WATER BILL SAVINGS ON UNIT #3040



Miami-Dade Water and Sewer Department  
P O Box 026055  
Miami, FL 33102-6055

Name: TREEHOUSE TOWNHOUSE ASSN  
Account Number: 6321425200  
Billing Date: 06/08/2009  
Past Due Date: 06/29/2009

Billing Inquiries (hours 8:00 – 7:00 PM) 305-665-7477  
All Other Inquiries (hours 8:00 – 7:00 PM) 305-665-7488

Page 1 of 3

#### Messages

*PAY your bill and VIEW your account on-line at [www.miamidade.gov](http://www.miamidade.gov). To PAY by phone, call 1-877-565-9300.*

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*NEED MORE TIME TO PAY YOUR BILL? Call 305-665-7477 and apply for a two-week extension using our 24-HOUR automated system.*

#### Account Summary

Previous Balance	\$ 285.65
Payment Received	-307.68
Current Charges	179.55
Adjustments	22.01
<b>Total Account Balance</b>	<b>\$ 179.55</b>

Service From	Service To	Meter Number	Days of Service	Prior Reading	Current Reading	Consumption in CCF	Consumption in Gallons
03/02/09	06/01/09	41265777	91	4461	4495	34	25432

Service Address: 3040 SW 27TH AVE, APT  
Water Charges



Hydrant Charge	2.40
Water Charges	43.44
<b>Water Charges Subtotal</b>	<b>\$ 45.84</b>
Adjustments	
Late Payment Fee	\$ 7.52

**WATER BILL COMPARISON SHOWS  
A DECREASE OF OVER 40% ON CONSUMPTION**