

*Utilities Department*

# Cross Connection Control Program

## Chapter 37 Changes and Water System Rate Schedule Public Hearings

August 29, 2017



# Presentation Overview

- **Background**
- **Residential Program Revisions**
- **Chapter 37 Update**
- **Water System Rate Schedule**
- **Requested Actions**



# Presentation Overview

- **Background**
- Residential Program Revisions
- Chapter 37 Update
- Water System Rate Schedule
- Requested Actions



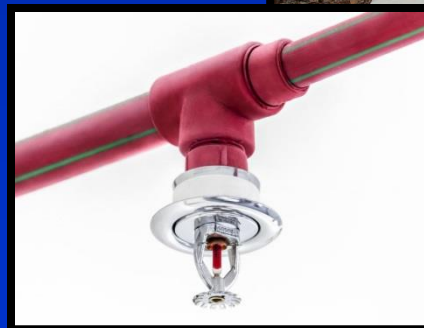
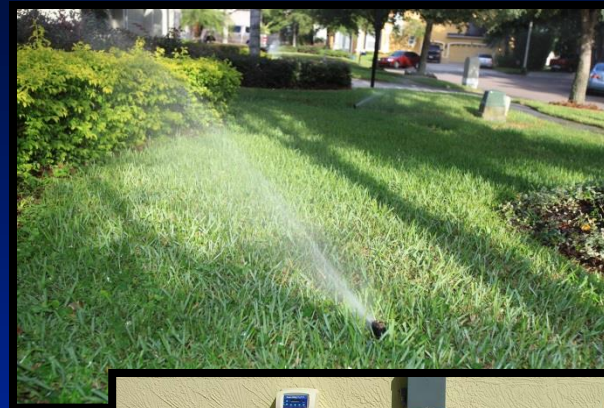
# Background

- **Cross Connection Control Programs**
  - **Required by Regulations and Industry Standards**
    - Florida Administrative Code 62-555 and 62-610
    - Plumbing codes
    - American Water Works Association M14 Manual
  - **Established to Protect Public Health**
    - Eliminating potential cross connection hazards
    - Installing/maintaining an approved backflow preventer
  - **Provide a Systematic Way to Manage Risk to the County's Water System**

# Background

## ■ Types of Cross Connections

- Irrigation systems
- Private wells
- Pool equipment
- Fire systems
- Industrial/commercial equipment
- Can be planned or inadvertent





# Background

- Preventing Impact From Cross Connections
  - Eliminate the cross connection
  - Install/maintain an approved backflow preventer device





# Background

- Program Developed in 2001;  
Updated in 2002 and 2009
  - FDEP inspections identified need for program enhancement
  - Enforcement challenge
    - Only enforcement option is to discontinue service
  - Customer testing and repair obligations – can be burdensome and costly, especially for residential
  - Cross connections must be managed immediately upon discovery







# Background

- **May 23, 2017 - presented proposed cross connection control program changes to the Board**
  - Provides for OCU testing, repair, and replacement of residential backflow preventers
  - Commercial program remains unchanged
- **July 18, 2017 - preliminary program fee approved**
- **August 29, 2017 – public hearings to approve**
  - Updates to Chapter 37 enabling program changes
  - Water System Rate Schedule establishing program fee





# Presentation Overview

- Background
- **Residential Program Revisions**
- Chapter 37 Update
- Water System Rate Schedule
- Requested Actions



# Residential Program Revisions

## ■ Responsibilities

Risk Assessment  
*County*

- Remains as a County activity
- No changes needed

Install Device  
*Customer/County*

- Fund current device needs/gaps with a capital project
- Devices for new hazards remain the responsibility of the customer (new homes, adding irrigation systems, etc.)

Test Device  
*County*

- County manages testing activity using private contractors
- Funding through existing water rates

Repair or Replace  
the Device  
*County*

- County assumes repair and replacement obligations
- Funding by monthly program fee



# Residential Program Revisions

## ■ Revision Benefits

- Customers are not required to arrange testing/repair
- Improved compliance rate
- Volume buying power and operational efficiencies  
lower total cost to the customer
- Retain market engagement by using contractors
- Avoid larger periodic repair costs for customers



# Presentation Overview

- Background
- Residential Program Revisions
- **Chapter 37 Update**
- Water System Rate Schedule
- Requested Actions



# Chapter 37 Update

- Updated Definitions
- Backflow Preventer Tampering Prohibition
- Cross Connection Inspection Access Rights
- Testing, Repair, and Replacement
  - County responsibility for residential program
  - Property owner responsibility for all others



# Chapter 37 Update

- **Residential Program Device Ownership**
  - **For existing properties/customers**
    - Ownership unchanged until device is replaced
    - Orange County Utilities is granted testing and maintenance authority
  - **For new connections or changes in use**
    - Ownership transfers to Orange County Utilities after initial inspection, testing, and acceptance



# Chapter 37 Update

- **Causes for Discontinuing Service**
  - Existing cross connection
  - Tampering with a backflow preventer
  - Denial of property access for
    - Cross connection control hazard inspection
    - Residential device testing and maintenance





# Chapter 37 Update

- **Requires Program Participation for Residential Properties That Are Both:**
  - Individually metered
  - Required to have a backflow preventer
- **Provides For A Program Fee**
- **Effective Date January 1, 2018**



# Chapter 37 Update

## ■ Correction of Scrivener's Error

—Page 7, Line 269–270

- Draft — “Utilities Standards and Construction Specifications Manual, Orange County Utilities Cross Connection Control Manual, . . .”
- Final — “Utilities Standards and Construction Specifications Manual, ~~and~~ Orange County Utilities Cross Connection Control Manual, . . .”



# Presentation Overview

- Background
- Residential Program Revisions
- Chapter 37 Update
- **Water System Rate Schedule**
- Requested Actions



# Water System Rate Schedule

- **Water Rate Resolution**
  - Adopts elements of existing rate resolution (2009-M-27)
    - Reflects rates currently in effect
    - Continues to provide for 3% annual adjustment to rates
- **Establishes Residential Program Fee**
  - \$3 per month
  - Applicable only to residential properties individually metered and required to have a backflow preventer
  - Not subject to 3% adjustment
  - Effective date January 1, 2018



# Presentation Overview

- Background
- Residential Program Revisions
- Chapter 37 Update
- Water System Rate Schedule
- **Requested Actions**



# Requested Actions

## ▪ Requested Action #1

**Adopt A Resolution Setting A Revised Water System Charge Schedule; Providing For An Automatic Annual Increase; Setting A Water Meter Charge Schedule; Setting A Cross Connection Control Program Fee Effective January 1, 2018; Providing For Periodic Review; Providing For Annual Notice To Customers; Providing For Severability; And Providing For An Effective Date.**



# Requested Actions

## ▪ Requested Action #2

**Adopt An Ordinance Pertaining To Water And Wastewater Service In Orange County, Florida; Amending Orange County Code Chapter 37, Article I, Entitled Orange County Water, Wastewater And Reclaimed Water Service Rules; Article III, Entitled Water Wells; Addressing Conflicts Between Ordinances; And Providing For An Effective Date. And Correction Of Scrivener's Error.**