

# Changes to our Cross- Connection Control Program

(BACKFLOW PREVENTION)

July 22, 2014

# Why are we Changing?

## ***State DEP Rule Changes***

- Lower Cost to our Citizens
  - Reduction in Residential Testing Intervals
  - Approval for Lower Cost Residential Dual Check Backflow Assembly
- Underground Installations

# Lower Cost to Citizens

- Eliminates the Existing Blanket Requirement that all Residential Customers have the Most Expensive Backflow Assembly [Reduced Pressure Backflow Assembly (RP); costs about \$700 installed]
- Only Residential Properties with High Hazards will be required to install RP assemblies
- Tested every **2 years** - **not every year** saving about \$40-50/year

## From This:

Above Ground RP Installation tested yearly (100% of System)



## To This:

Residential Dual Check in Meter Box replaced every 10 years (Removing 98% of RPs from our System)



# Residential Property Minimum Requirements

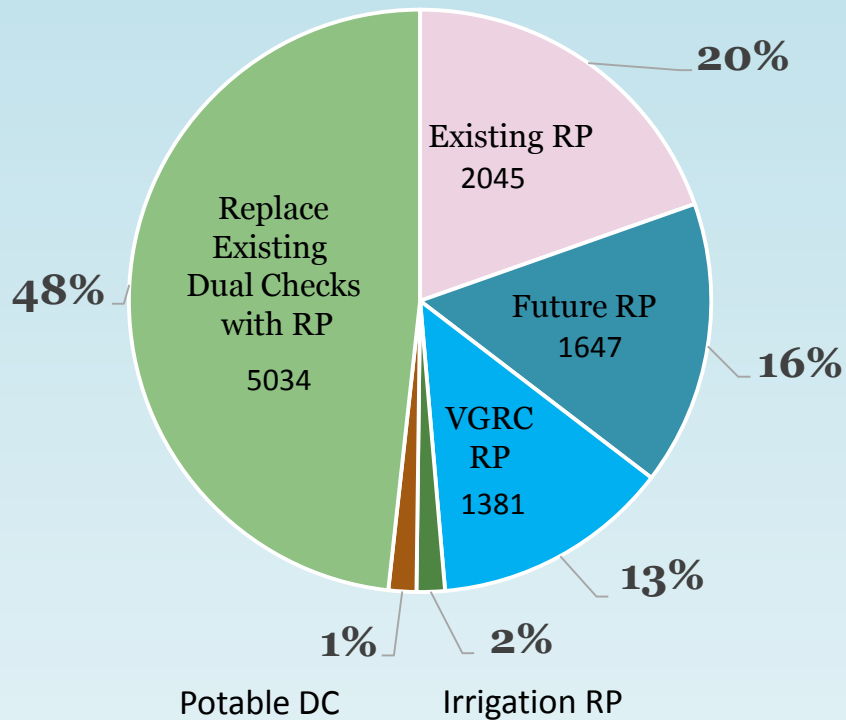
Sources on Site	Current Plan	Proposed Plan	Current Testing	Proposed Testing
No Sources	RP	<b>None</b>	1 Year	N/A
Well	RP	<b>DuC</b>	1 Year	<b>10 Years</b>
Pool	RP	<b>None*</b>	1 Year	N/A
Reclaimed	RP	<b>DuC</b>	1 Year	<b>10 Years</b>
Drinking Water Irrigation	RP	RP	1 Year	<b>2 Years</b>
Pond/Lake Irrigation (VGRC)	RP	RP	1 Year	<b>2 Years</b>
Fire Sprinkler (Dedicated Service)	N/A	<b>DuC**</b>	N/A	<b>10 Years</b>
Fire Service (Combined with Residential Plumbing)	N/A	<b>None</b>	N/A	N/A

\* Pools are covered in plumbing code with air gaps and vacuum breakers

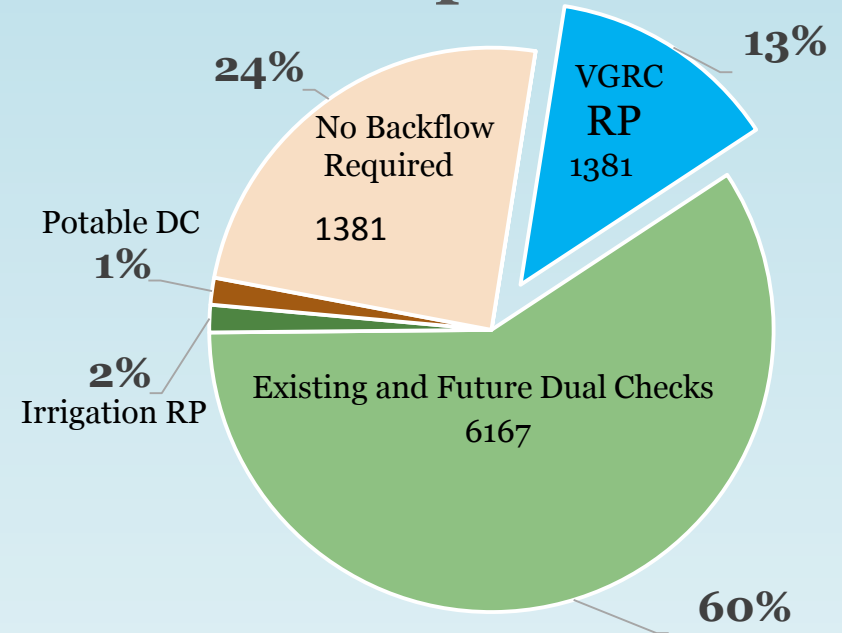
\*\* Residential Sprinklers with 1 inch service lines or smaller.

# Program Comparison

## Existing



## Proposed





# Why are Some RP's Still Required?

- Venice Golf and River Club (VGRC)
- 1381 Customers (with new phases under construction)

## Surface Water Irrigation



Properties in this category will still be required to install above ground RP Backflow Preventers solely because reclaimed water mixes with uncontrolled surface water subject to run-off contaminants, animal droppings, etc.

# Homeowner Options

## **Property with no sources of water other than utility drinking water:**

- *May remove assembly and straight pipe water service to home*
- May keep existing backflow and choose to remove assembly upon:
  - Assembly test every 2 years
  - Upon backflow failure/leak

## **Property with well, COV Reclaimed Water, or dedicated Residential Fire Sprinkler**

- *Install below ground Dual Check*
- Keep existing above ground backflow preventer and test every 2 years



# Commercial

**NO CHANGES** TO COMMERCIAL BACKFLOW REQUIREMENTS

Questions?