



Cross Connection Control Program Proposed Ordinance Modifications

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Strategic Plan



Supportive and Sustainable
Infrastructure



Financially Responsible



Safe, Active, and
Engaged Community

Introduction

- ◆ Backflow & Hazards
- ◆ Backflow Devices
- ◆ City Reporting Requirements
- ◆ Current Ordinance
- ◆ Proposed Ordinance Changes
- ◆ Proposal Process and Results
- ◆ Final Recommendation

Backflow & Hazards

How does a backflow occur ?

- Two methods
- A) **BACKPRESSURE** – This can occur when the pressure inside a bldg exceeds the pressure entering a bldg.
- Example of Backpressure: **Booster Pumps** or **Boiler Systems**.
- B) **BACK-SIPHONAGE** - This can occur in the event the pressure in the supply piping entering the bldg drops suddenly and a vacuum-like suction begins.
- Example of Back-Siphonage: **Water Main Breaks** or the use of fire hydrants

TWO TYPES OF HAZARDS AND WHERE THEY MAY BE FOUND.

HIGH HAZARDS

- Buildings such as:
- **Hospitals**
- **Funeral Homes**
- **Car Wash**

- Internal plumbing such as:
- **X-Ray processing equipment**
- **Commercial Boilers**
- **Post Mix Carbonators**

LOW HAZARDS

- Buildings such as:
- **Coffee Shop**
- **Assisting Living**
- **Residential Home**

- Internal Plumbing such as:
- **Sinks w/ Threaded Connections**
- **Residential Boilers**
- **Dishwashers**

Current Ordinance

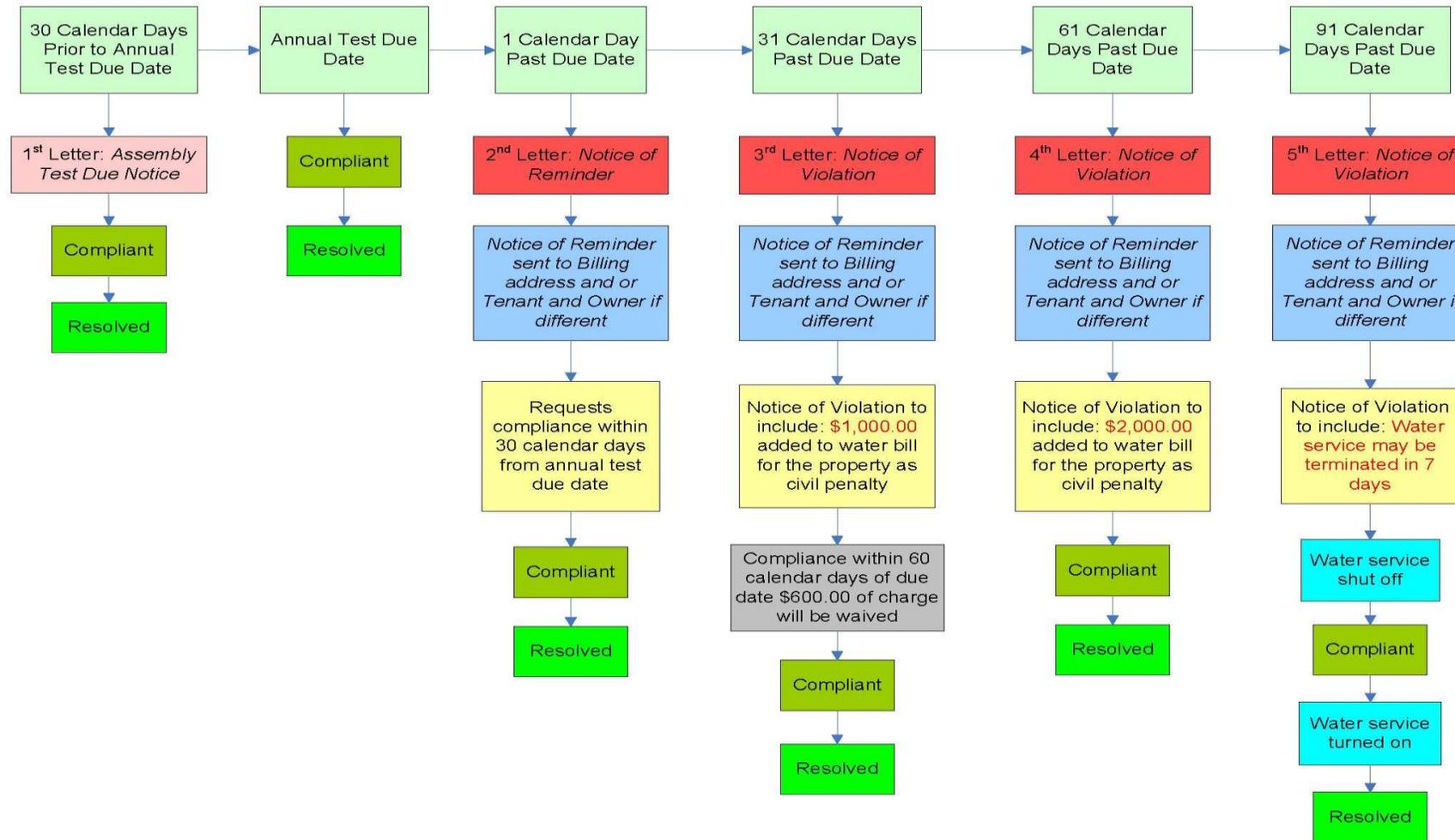
- ◆ In Building Section
- ◆ Administrative Authority is Chief Building Official
- ◆ Guided by and Operated Under the International Plumbing Code
- ◆ Limited Enforcement Options

Proposed Ordinance Changes

- ◆ Relocate to Chapter 13, Water and Sewer
- ◆ Administrative Authority the Director with Authority over Utilities
- ◆ Guided by and Operated Under the Requirements of the Colorado Department of Public Health and Environment Regulation 11.39
- ◆ Progressive Compliance Process to Achieve Voluntary Compliance Device Testing Requirements
- ◆ Previous correspondence shall be considered when implementing the Ordinance

Ordinance Compliance Process

Ordinance Compliance Process



Staff Recommendation

- Staff is concerned that without the proposed changes to the existing Ordinance, compliance to meet CDHPE requirements in the future may be negatively impacted.
- Staff is prepared to work with our Communications Department to ensure that all affected entities are aware of the changes to the Ordinance and their compliance responsibilities following passage of the Ordinance.
- City currently has appropriate budget, staff and equipment to track and report results as required.
- Presentation of Ordinance as presented at the September 17, 2019 City Council Meeting for consideration and approval.

Questions?