

# Backflow Prevention

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# Agenda

- Backflow prevention program
- New state regulations
- Helping customers
- Why is this important?



# Safe Drinking Water

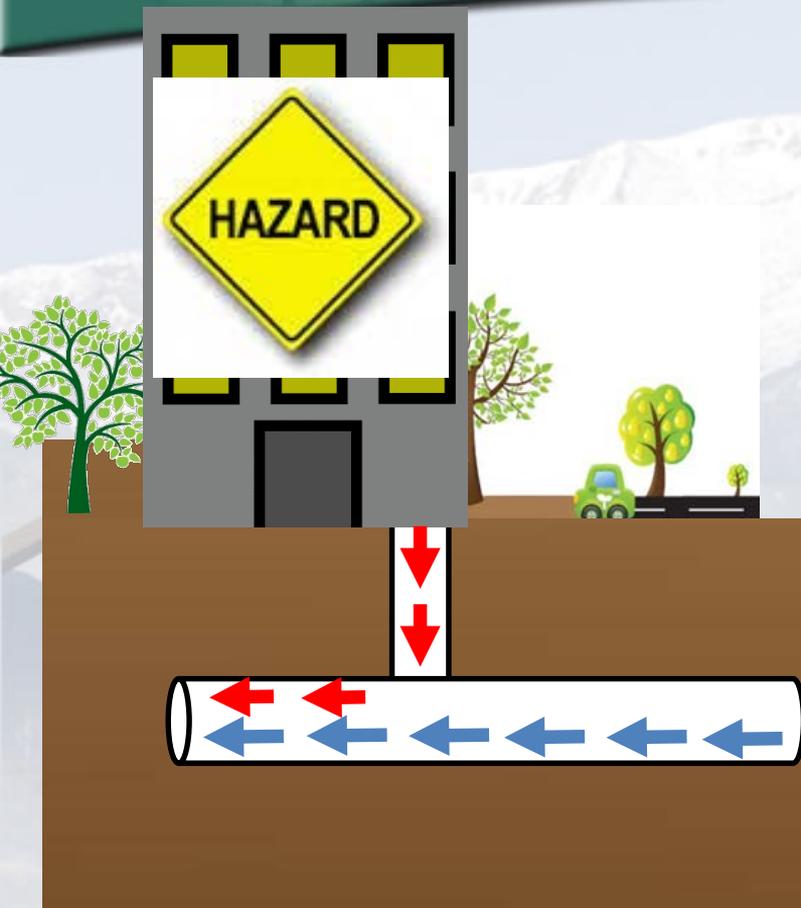
- Safe drinking water supply
  - Clean Water Act, 1972
  - Colorado Drinking Water Regulations, Colorado Department of Public Health and Environment (CDPHE) regulations
- Our customers trust us



# What is backflow and how is it prevented?

Some common Hazards:

- Chemical processes
- Fire suppression systems
- Industrial
- Irrigation
- Laboratories
- Livestock facility
- Manufacturing facility
- Medical facility and clinics
- Restaurants



- Air Gap
- Double Check (DC)
- Reduced Pressure Principle Assembly (RP)



# Backflow Prevention Program

- New program from top down
- Commercial customers
  - 2001: Program History
  - 2016 and Beyond: Current Program
- Responsibility and cost = customer
- Assemblies must be tested annually
  - Utilities tracks assemblies and testing
- City Code and Standards



# New State Regulations

- CDPHE Regulation 11.39 adopted January 1, 2016
  - Survey all commercial customers by 2020
  - 100% testing by 2020
  - Annual reporting to CDPHE
  - Response to violations



**COLORADO**  
Department of Public  
Health & Environment

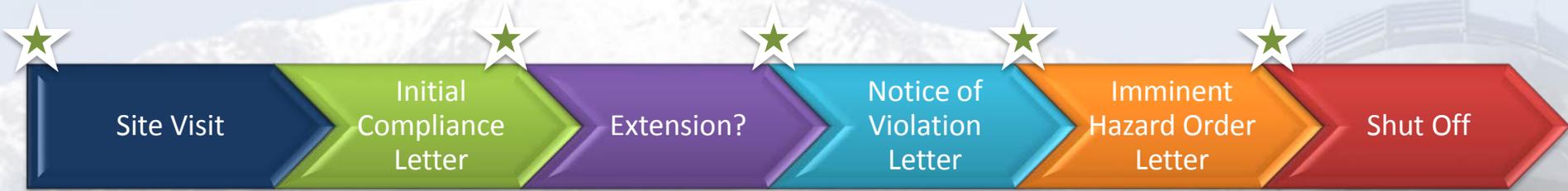
## Regulation 11.39 Backflow Prevention and Cross-connection Control Guidance



# Helping Customers Succeed



# Survey Process



 Indicates customer contact

# Why is this Important?

- **Vacant Buildings**
  - Failed Devices – 20 days
- **Change of Occupancy**
  - Potential Backflow Permit Process
- **Upgrading Plumbing**
  - Potential Backflow Permit Process
- **Survey Process**
  - Fire Suppression Systems
- **Annual Testing**
  - Customer's responsibility



# Questions

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