

#### Water Infrastructure

Out of site, out of mind...





- Utility Management
- Utility Boards
- Utility Employees
  - Public Officials
- Legislators
- Customer:
- Businesses
- Media



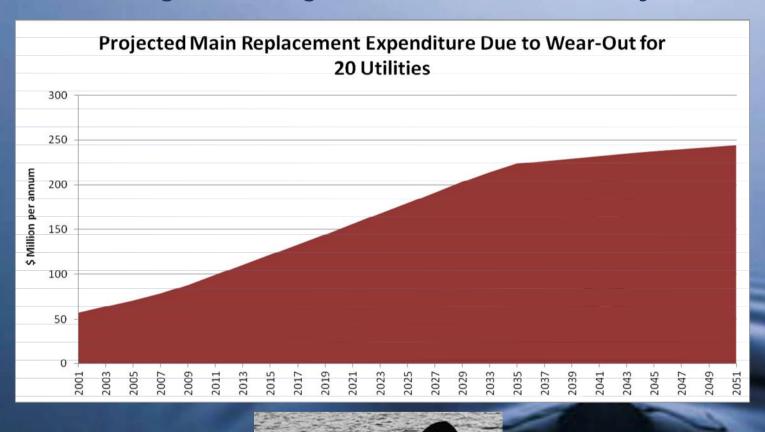
## Longstanding AWWA focus on Infrastructure Finance



- Reinvesting in Drinking Water Infrastructure, May 2001
  Avoiding Rate Shock, April 2004
  - Thinking Outside the Bill, November 2004
  - Mater Infrastructure at a Turning Point, May 2006

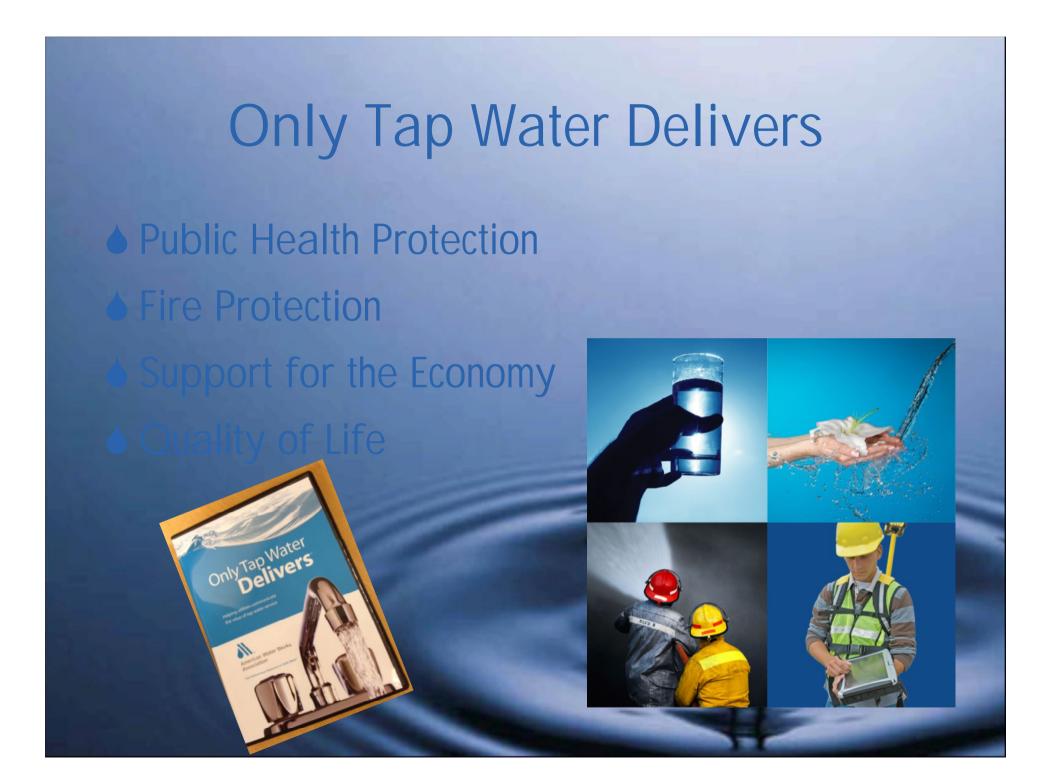
#### Nessie Curve

Reinvesting in Drinking Water Infrastructure, May 2001









I'm not so easily replaced.



If only our water infrastructure could talk to us. The pipes running below our streets might remind us that they carry the very lifeblood of our community. Tap water keeps us healthy, fights fires, supports our economy and provides us with the high quality of life we enjoy.

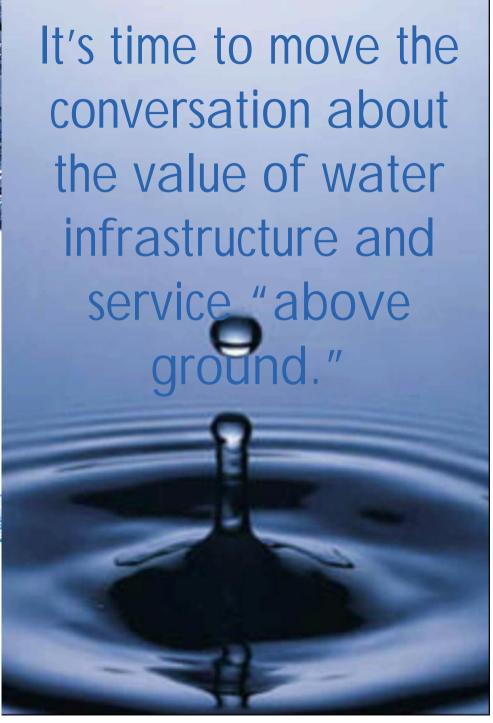
We are all stewards of the water infrastructure generations before handed down to us, and our water bills keep that system strong and reliable. For more information about what your tap water delivers, visit [insert utility web address here].

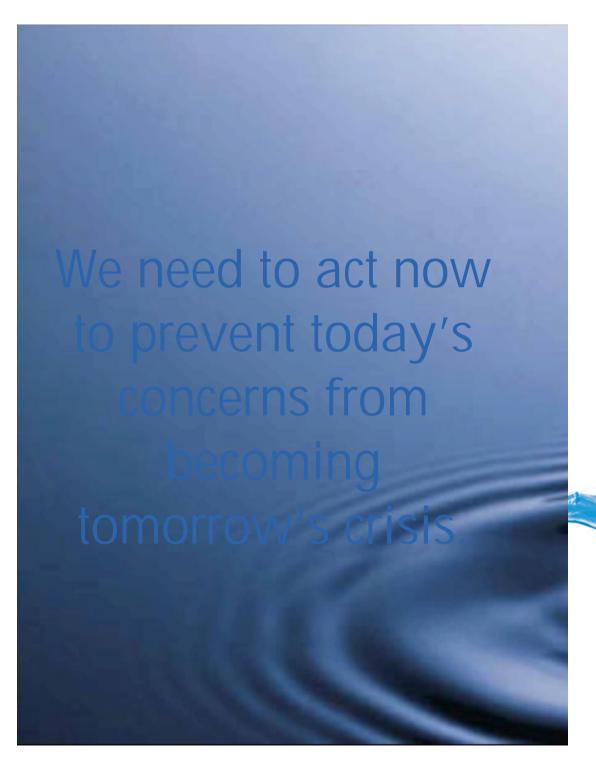
Only Tap Water **Delivers** 

Presented in cooperation with

American Water Works Association

(Place Utility Logo Here)





# I want to be here for you.

If only our water infrastructure could talk to us. The corner hydrant might remind us that only tap water protects us against the threat of fire, and that the pipes below our streets need constant attention to keep life-saving water flowing at the right pressure, 24/7, without fail.

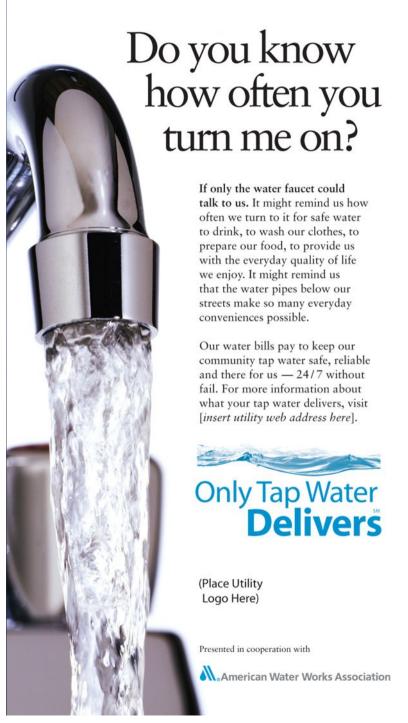
We are all stewards of the water infrastructure generations before handed down to us, and our water bills keep that system strong and reliable. For more information about what your tap water delivers, visit [insert utility web address here].

#### Only Tap Water **Delivers**

(Place Utility Logo Here)

Presented in cooperation with

M. American Water Works Association





### DrinkTap.org





About Us Home Kids Press Room

Presented by:



The Authoritative Resource on Safe Water®

AVVVA Home

Search





- Opportunity for water utilities' communities to celebrate the work they do
- Free materials available on the AWWA website
- Develop new materials every few years in an effort to remain topical and fresh

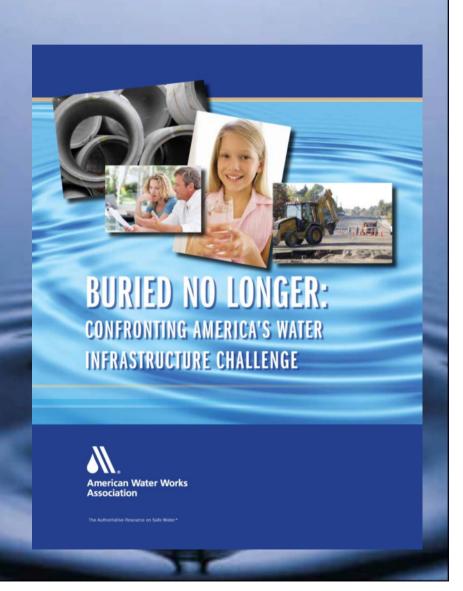






#### **AWWA Infrastructure Report**

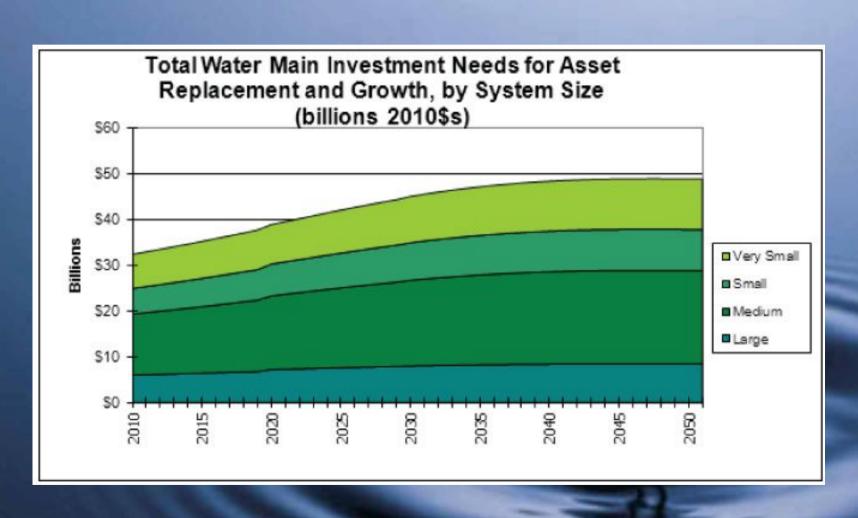
- AWWA will publish new water infrastructure cost assessment in March
   2012
- Report examines
  - Pipe life expectancy
  - Replacement costs for each type of pipe
  - Probability of wear-out
  - Impact on household bills





- Addresses buried water infrastructure, largely pipelines
  - Examined 4 regions and 4 system size classifications
- Creates National Nessie Curve
- Report examines
  - Pipe life expectancy
  - Replacement costs for each type of pipe
  - Probability of wear-out
  - Impact on household bills

# Buried No Longer... Large National Nessie Curve



# Buried No Longer... Findings

- Needs are large
  - \$1 Trillion (¥77 Trillion) over next 25 years
  - \$1.7 Trillion (¥131 Trillion) over next 40 years
- Household costs are high in some cases, bills triple
- Significant Regional Difference
  - \$75 per household, up to \$600 per household
     \$45,769 to \$46,154 per household
- Significant difference based on System Size
  - Small system: \$300 to \$600 increase per household per year (¥23,078 to ¥46,154)
  - Large system: \$75 to \$100 increase per household per year (¥5,769 to ¥7,692)
- Significant difference in timing



### Pennsylvania Water Infrastructure Task Force Report

#### **Creating a Sustainable Solution**

for Pennsylvania



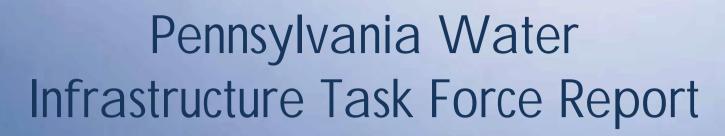
November 1, 2008

Edward G. Rendell, Governo

#### **Governor's Sustainable Infrastructure Task Force Report**

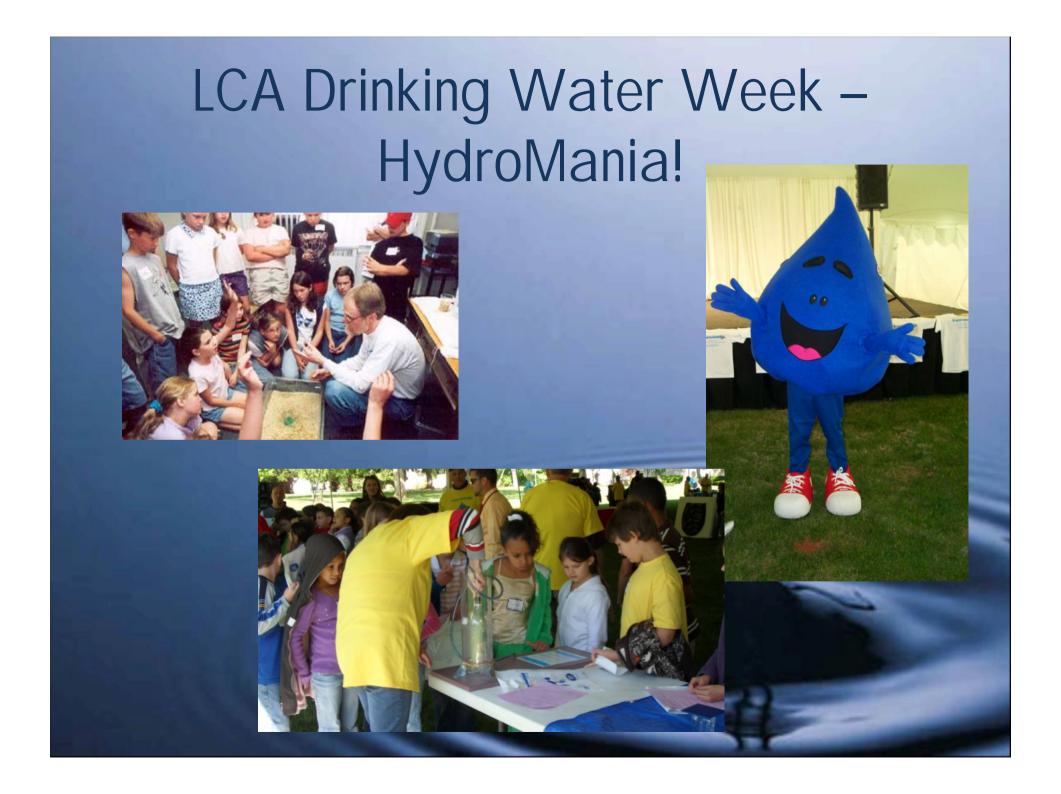
The Governor's Sustainable Infrastructure Task Force was supported by the Pennsylvania Department of Environmental Protection.

This report was drafted by the Task Force and is comprised of input collected at eight public meetings conducted throughout Pennsylvania and the independent research and analysis performed by each of the five Work Groups.



- Public Education
  - Audiences:
    - Adults
    - School-age Children
  - Messages
    - ♦ True value of water
    - Criticality of water infrastructure to economic vitality
    - Water resource protection
    - Need to preserve/rehabilitate water infrastructure

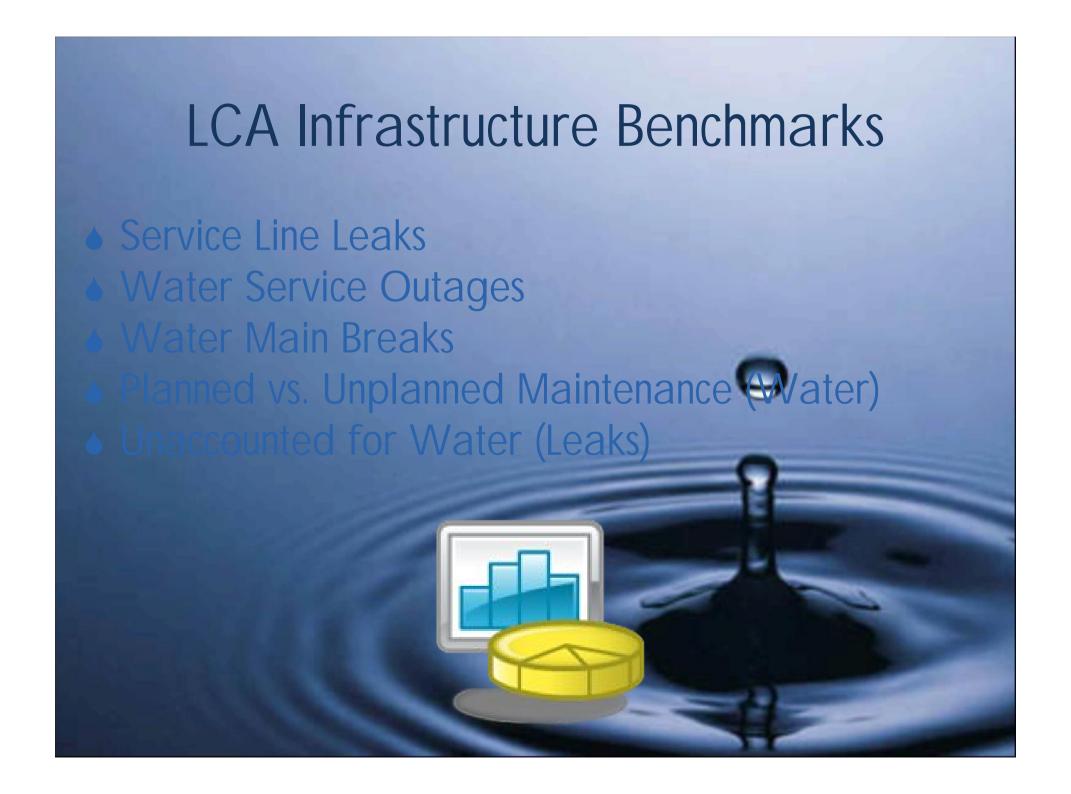




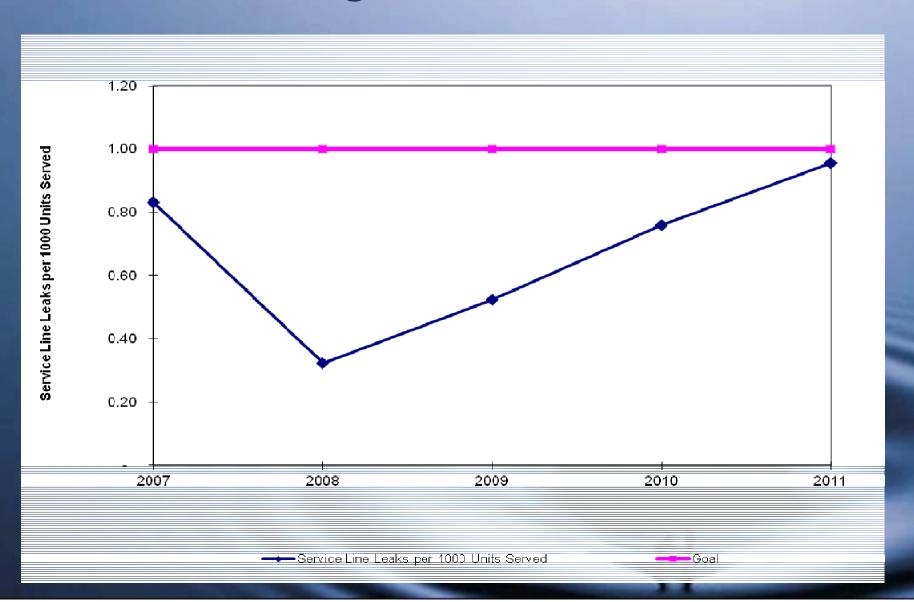
# LCA Drinking Water Week – Operator's Day



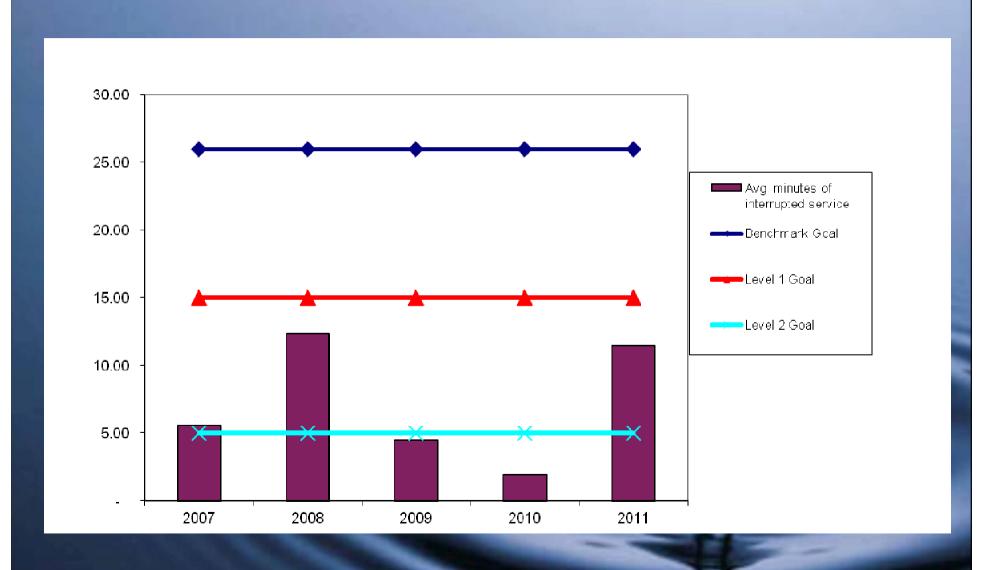




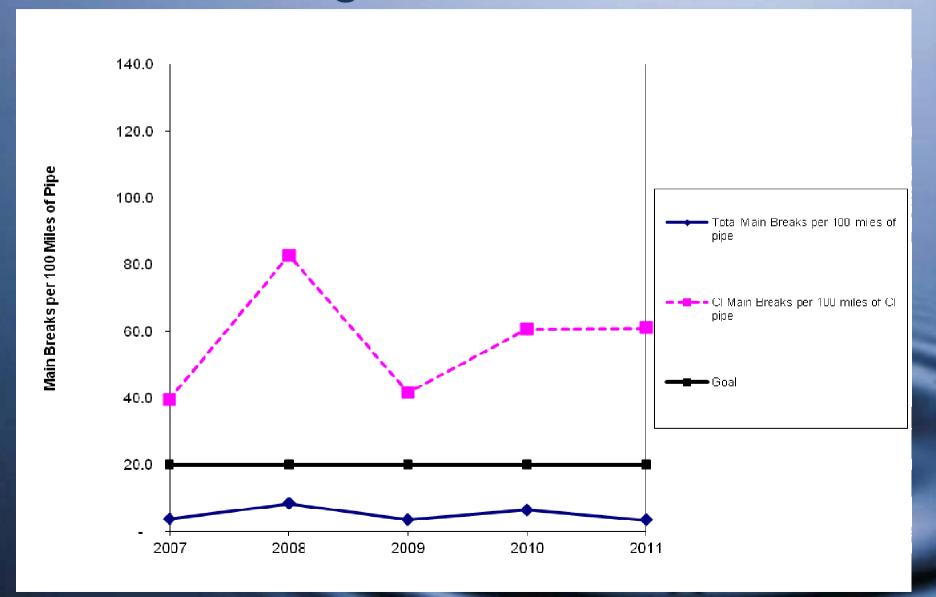
### Benchmarking – Service Line Leaks



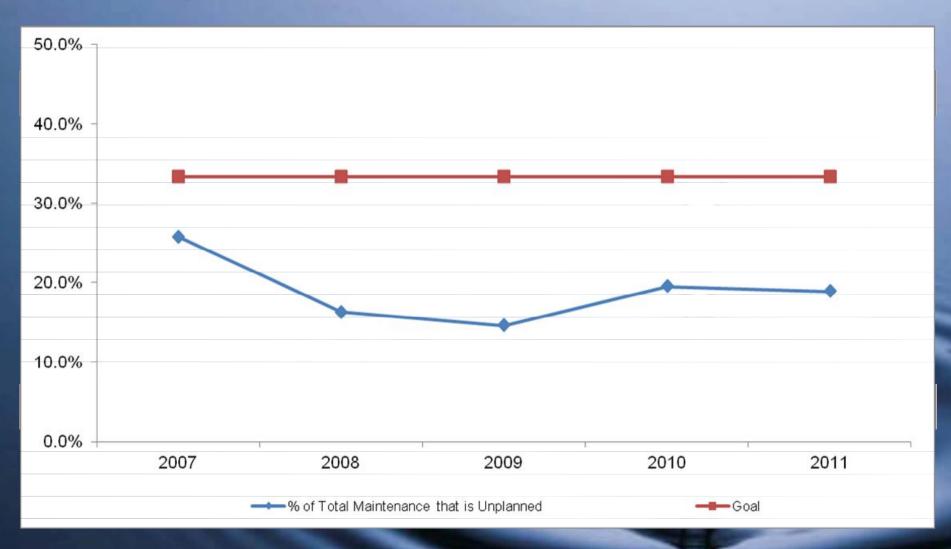
#### Benchmarking – Water Service Outages



#### Benchmarking - Water Main Breaks



## Benchmarking – Planned vs. Unplanned Maintenance (Water)



# Benchmarking – Unaccounted for Water (Leaks)

