

The background of the slide is a solid blue color with a pattern of numerous water droplets of varying sizes. The droplets are rendered with highlights and shadows, giving them a three-dimensional appearance as if they are on a surface.

# AWU FY11 Water Loss Audit Results

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# TWDB Requirements

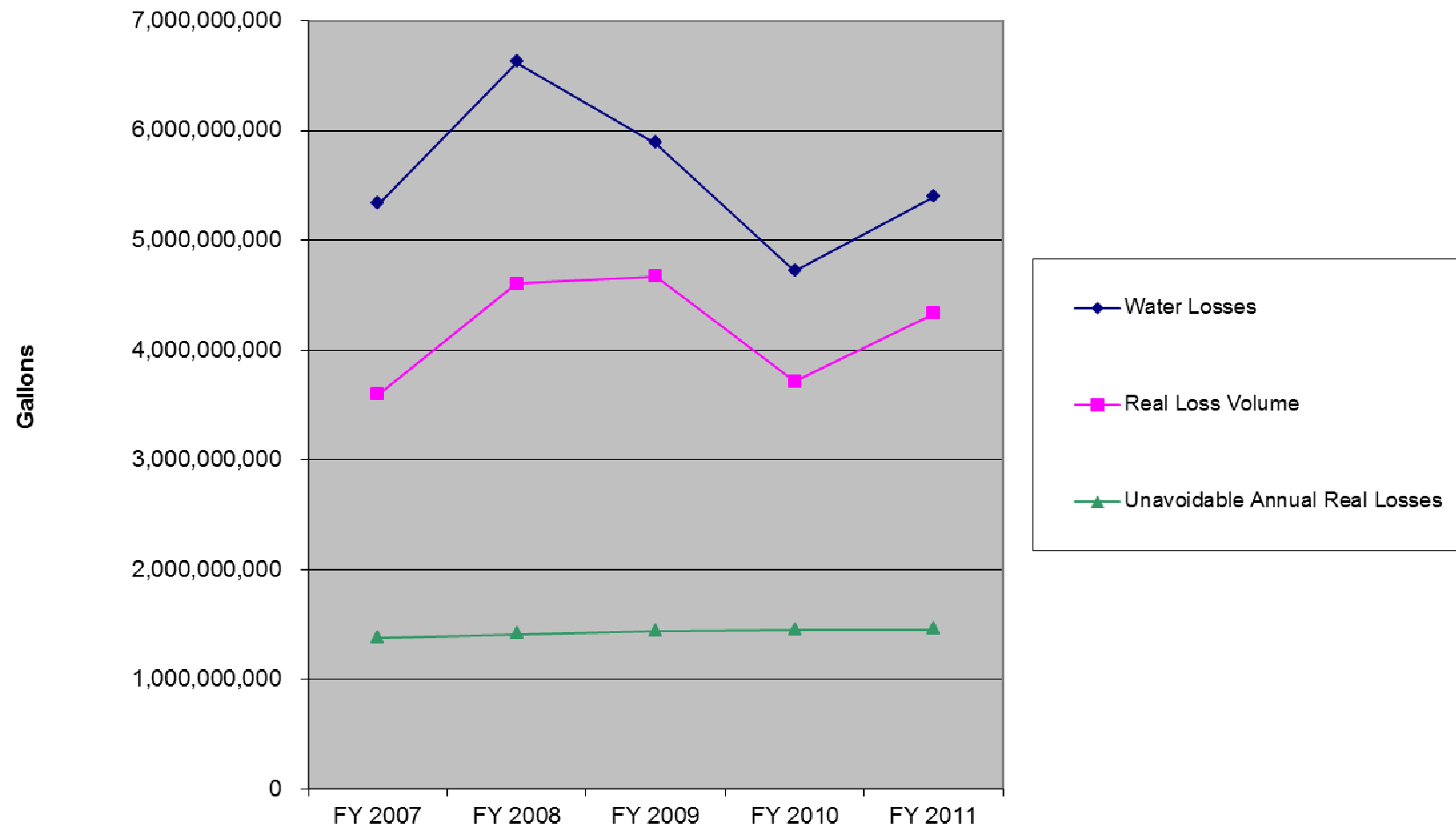
- Must be conducted every 5 years
- AWU conducts audit annually
- New methodology introduced in FY07
- Accounts for all water produced, metered and unmetered



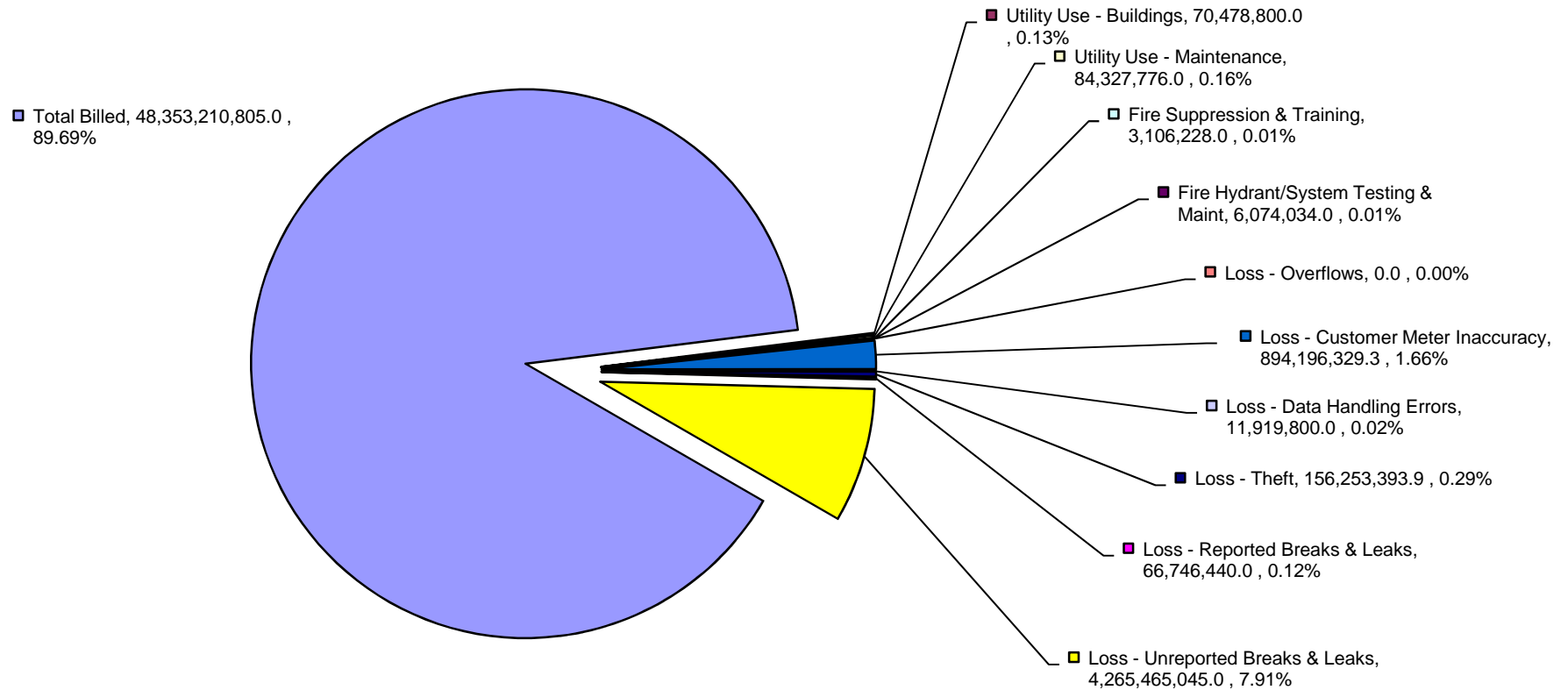
# Results

- Total water loss
- Infrastructure Leakage Index

## Water Loss Totals



# AWU Water Use/Loss Breakdown

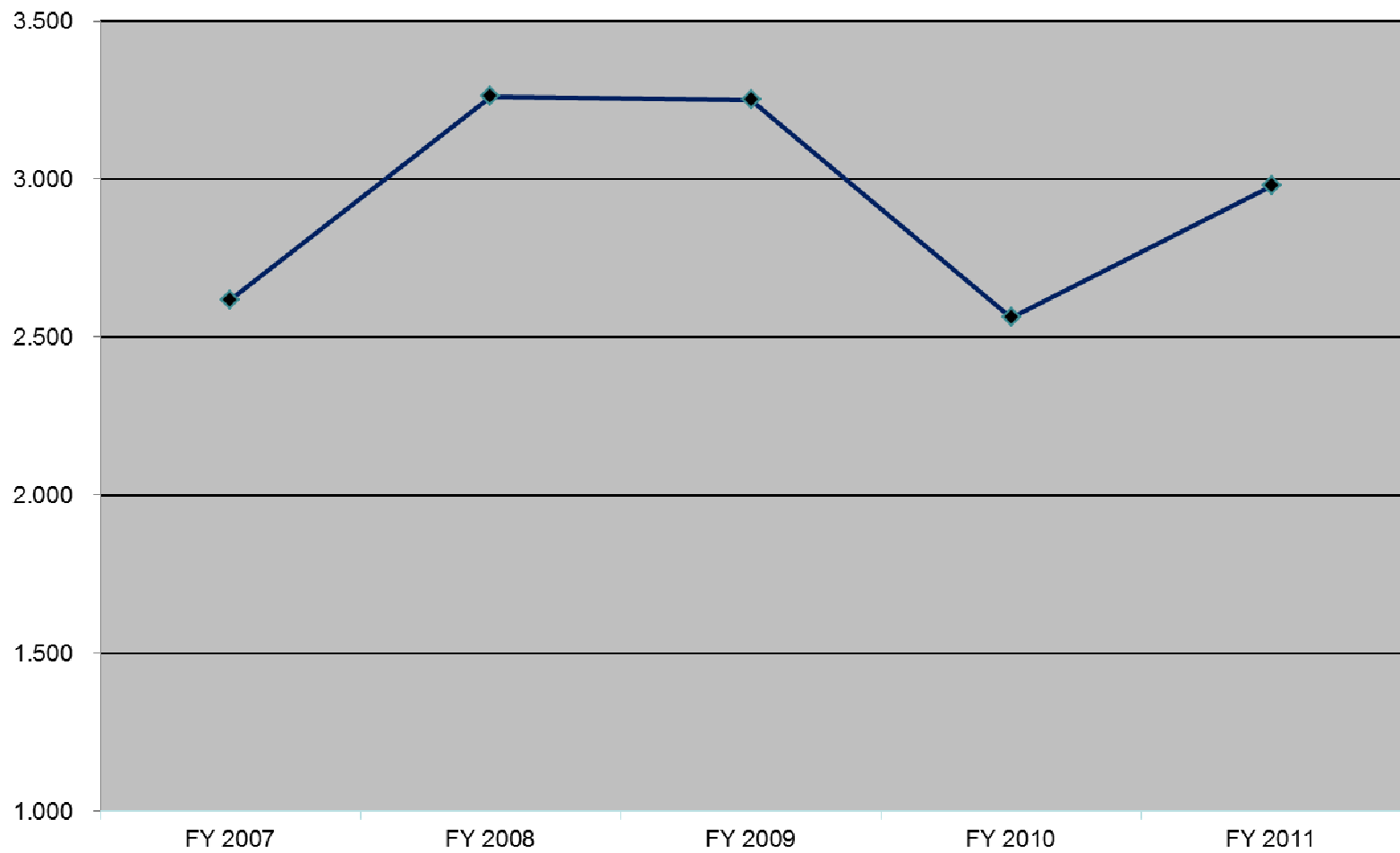




# Infrastructure Leakage Index

- Measure of how well AWU manages leaks
- Ratio of real losses over unavoidable real losses
- AWU set ILI goal of 3.0 or less
- AWWA says ILI in 1-3 range best for utilities with constraints on additional water resources, limited ability to raise rates, or desire to limit system expansion

## Infrastructure Leakage Index





# Efforts to Reduce Water Loss

- Continued aggressive response to leaks
  - Record number of leaks
  - Repair time less than 2 days
- Improved accounting of water used
  - Flushing of new lines
  - Meter accuracy
  - Accounting for water to fill system expansions
- Increased theft prevention efforts
- Renew Austin main replacement program



# Priorities for 2012

- District Metered Areas
- Meter accuracy
  - Production meters
  - Customer meters
- AFD usage
- Flushing accounting
- Participation in Water Research Foundation analysis of utility leakage data

# District Metered Areas

- Selecting 3 small areas with single line in
- Meter all flows in
- Compare results with totals of all customer meters
- Monitor low flow periods
- Improves leak detection and response
- Opportunity to test new technologies
  - New large meters
  - AMR