

Halma Water Management



“Unaccounted-for Water Percentage” Just Doesn’t Cut It!

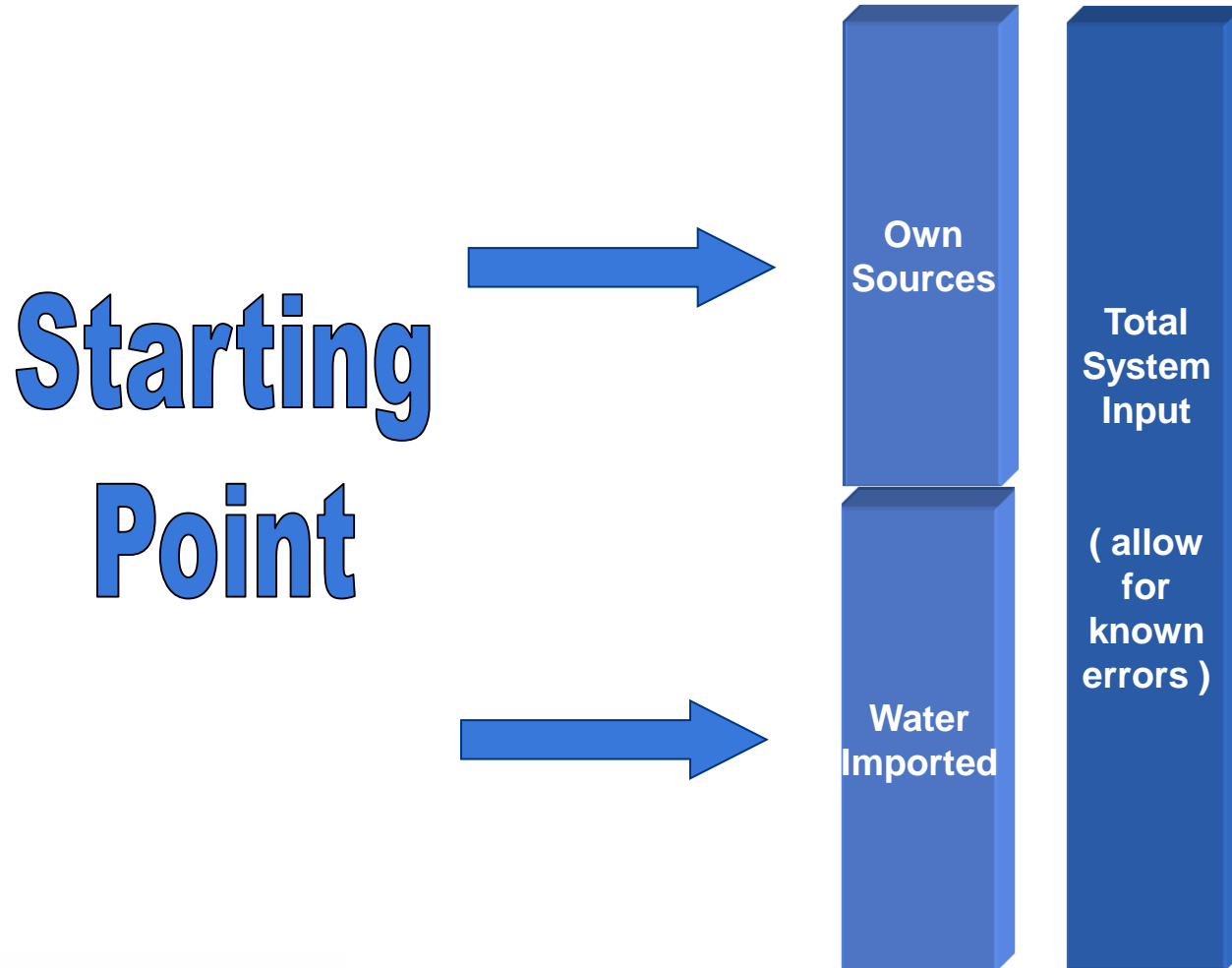
**No consistent definitions for the various components
of use or loss have been employed**

**Worldwide, no standard definition has been found to exist
for the term “unaccounted-for” water**

**Percentage indicators have been found to be suspect in
measuring technical performance**

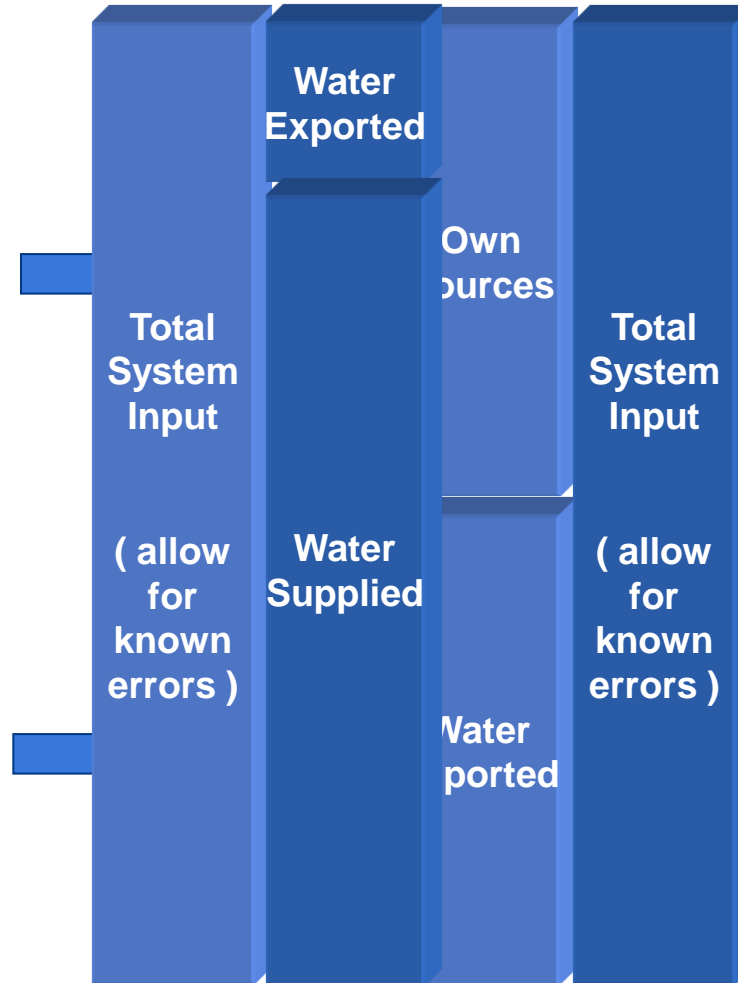
Percentage indicators translate nothing about water volumes and costs

International Standard Water Balance Format

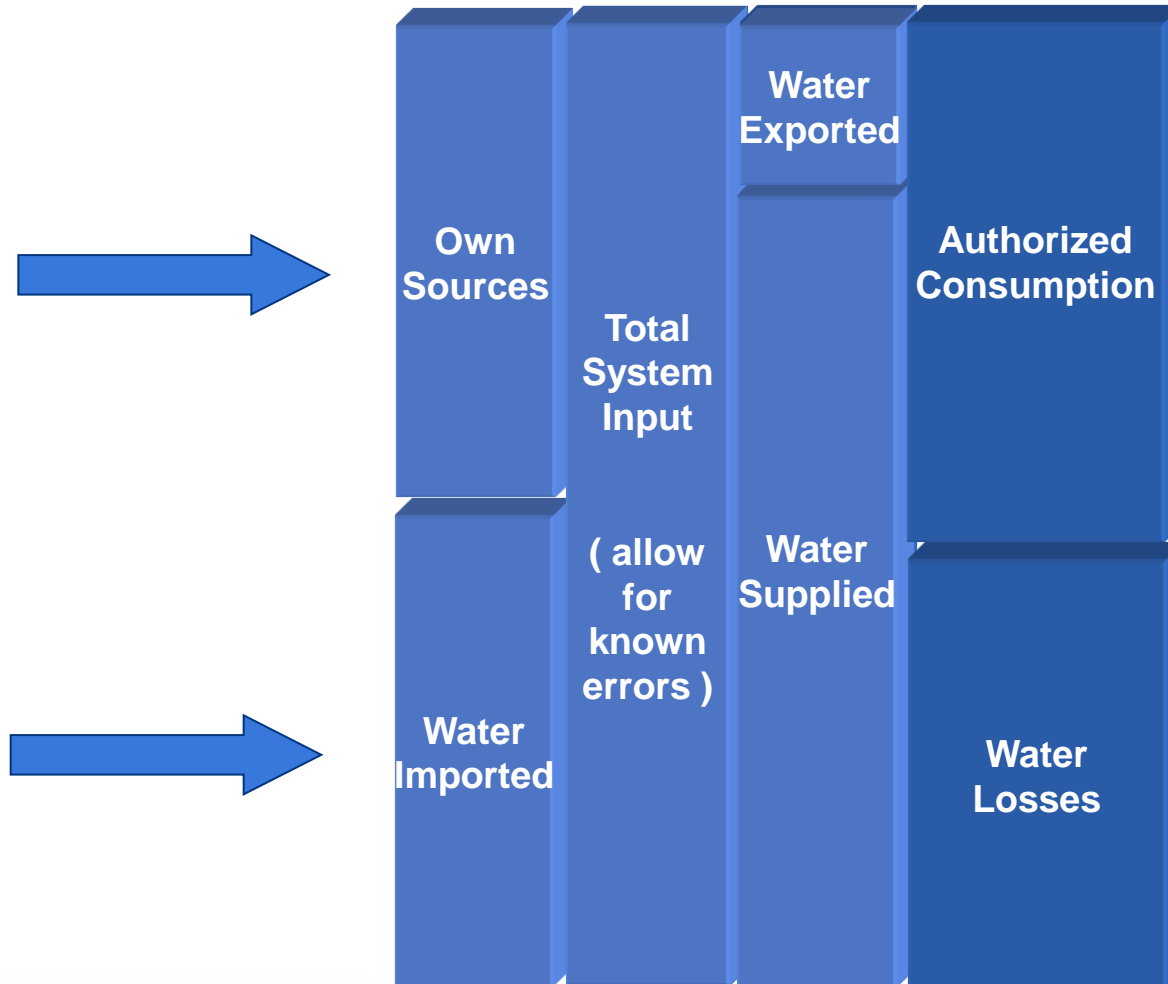


International Standard Water Balance Format

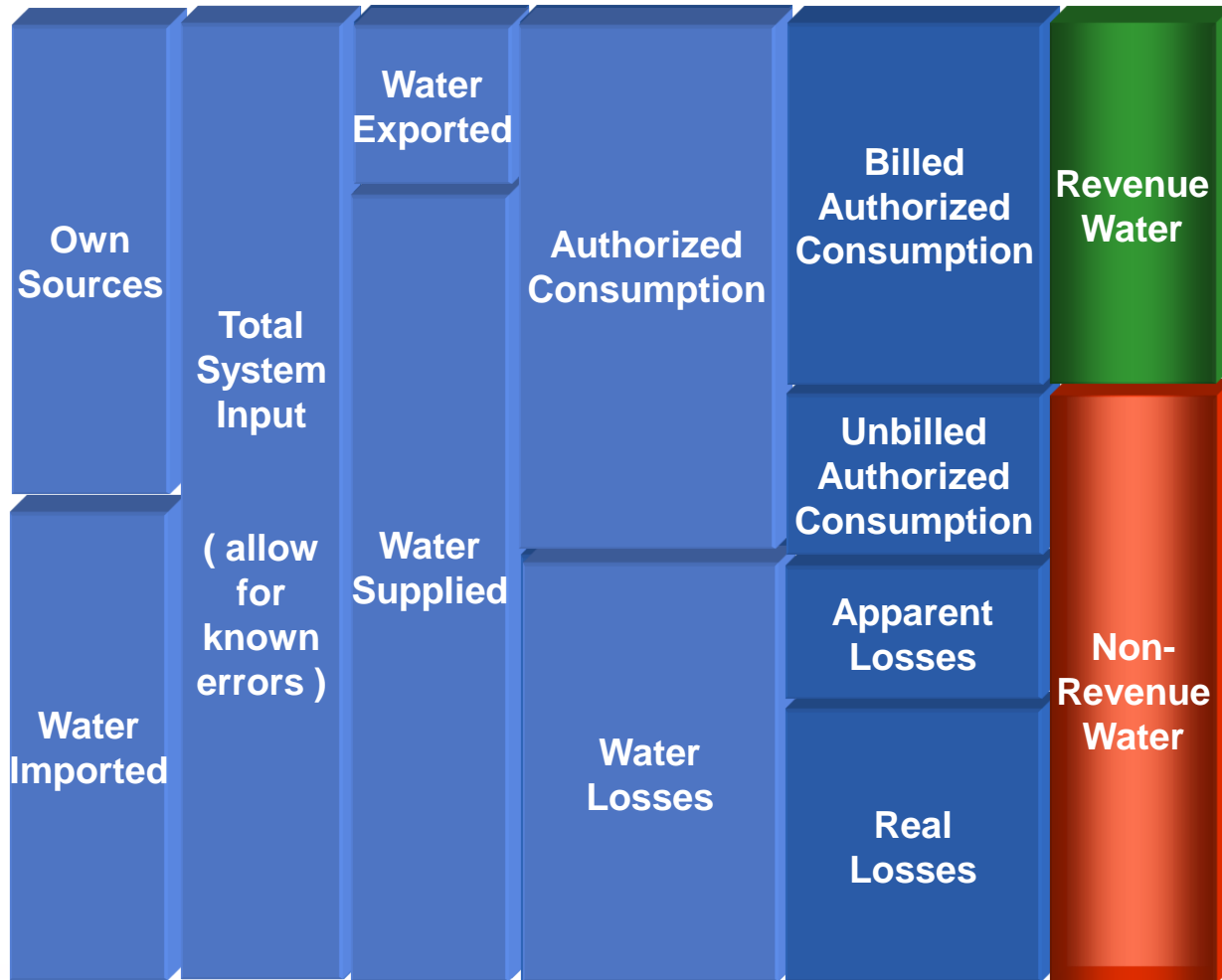
**Starting
Point**



International Standard Water Balance Format

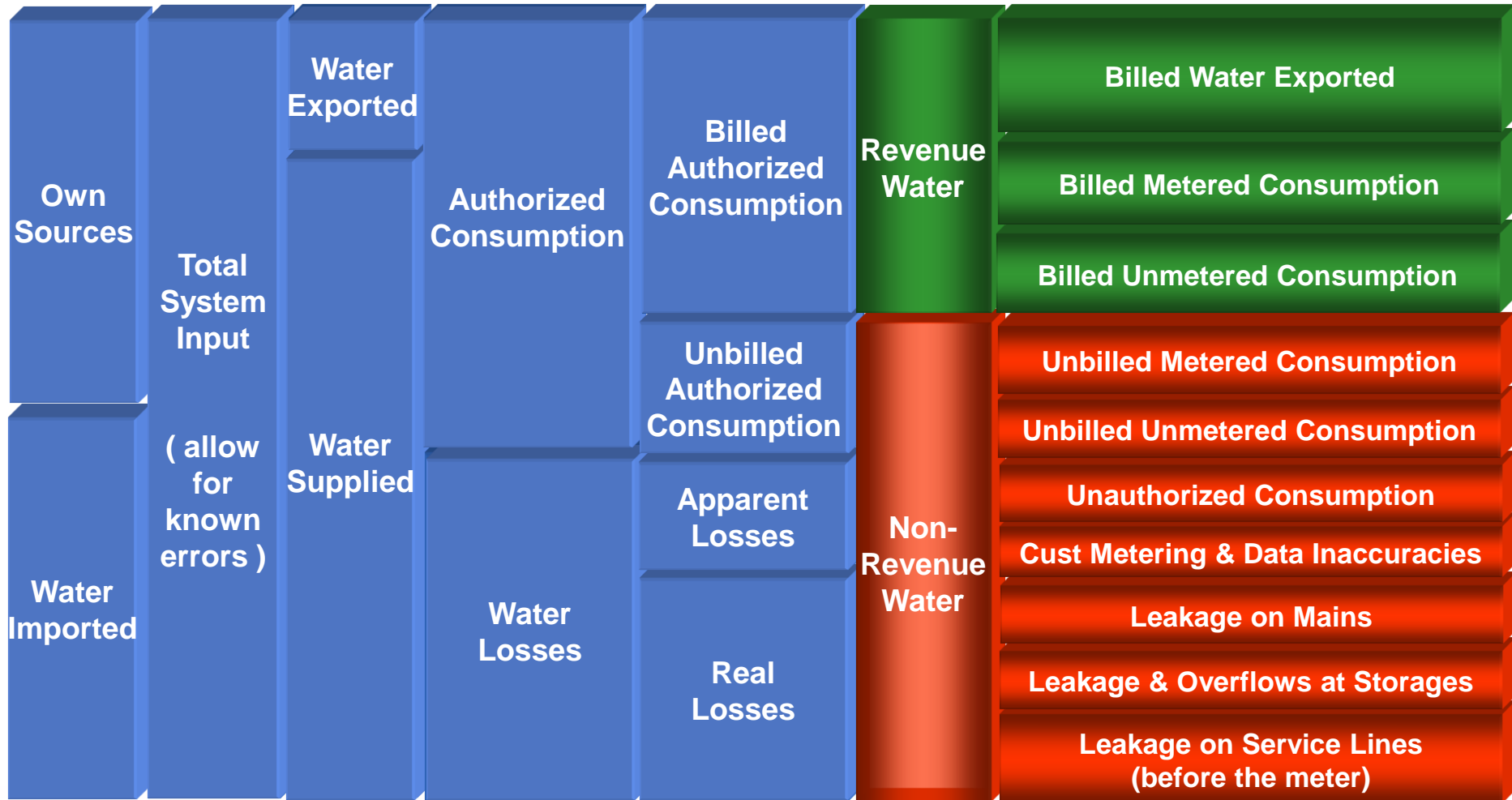


International Standard Water Balance Format





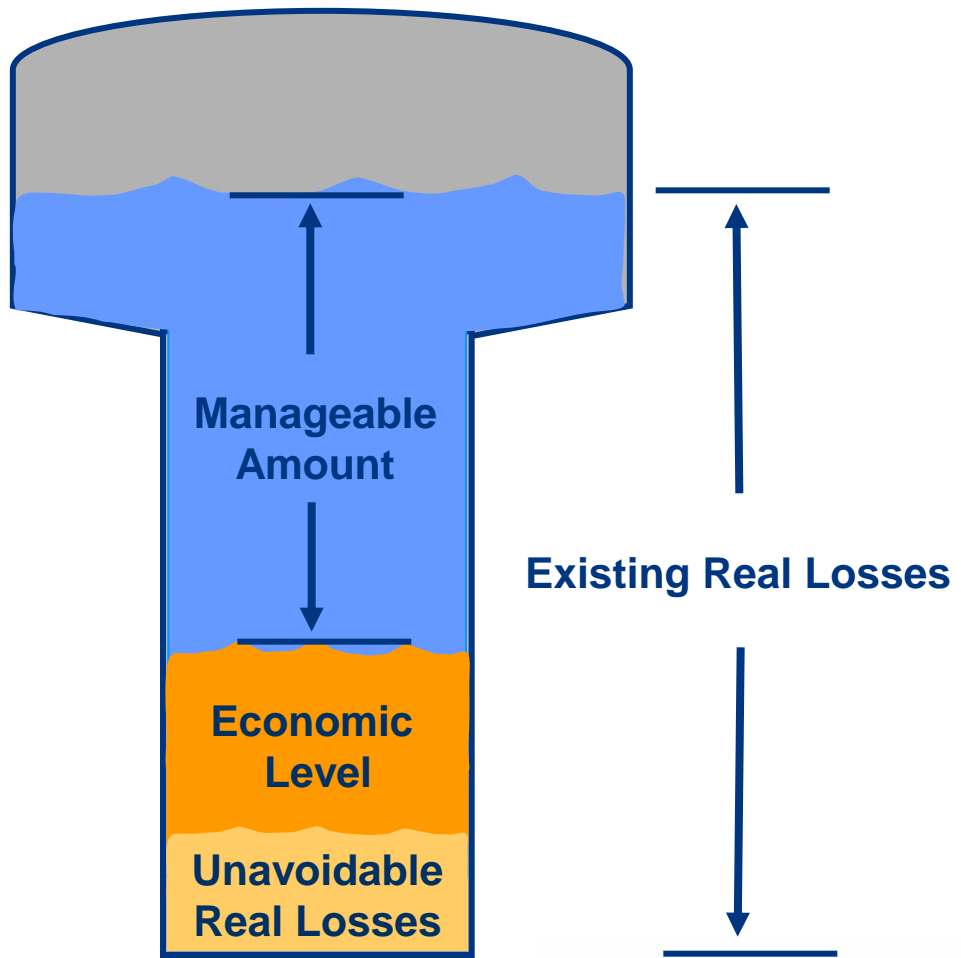
International Standard Water Balance Format



Component Analysis of Losses

- Losses can be broken down into two types
 - Real Losses and Apparent Losses
- Real (physical) Losses can be broken down into four components
- Apparent (paper) Losses can be broken down into four components
- Component analysis helps us to model where our losses are and what impact they have on our annual loss

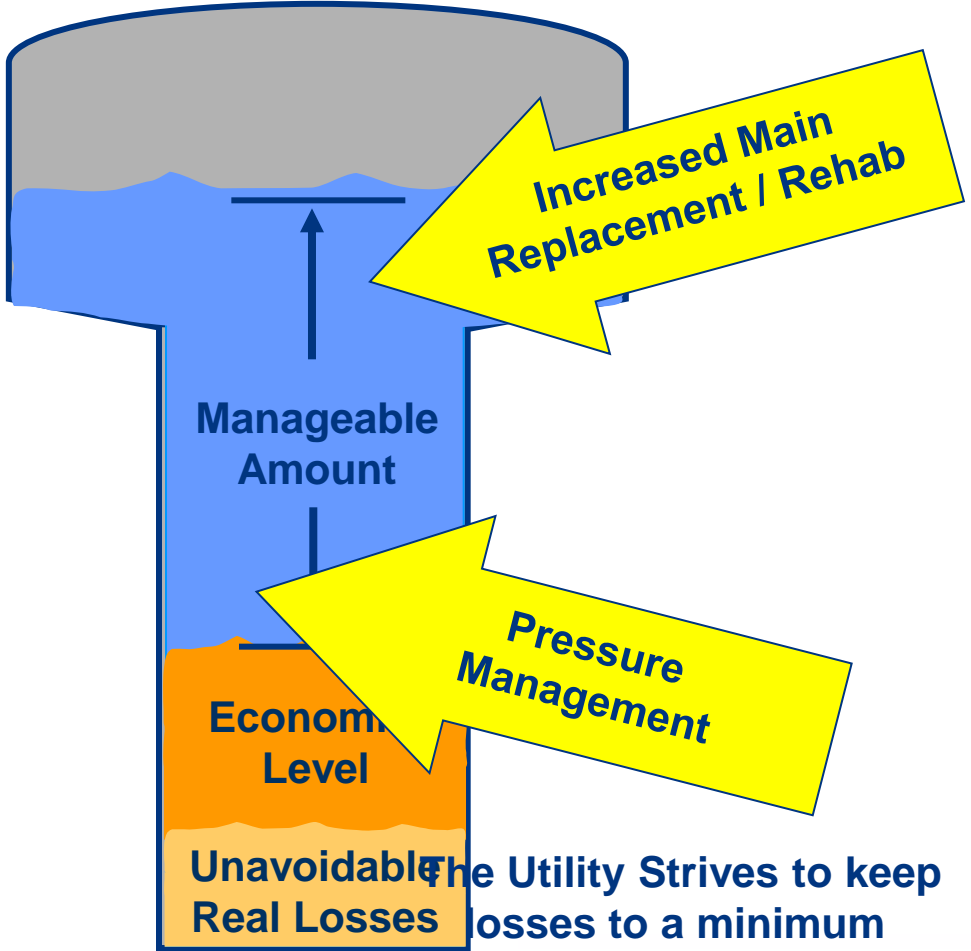
Four Components of Managing Real Losses



Four Components of Managing Real Losses

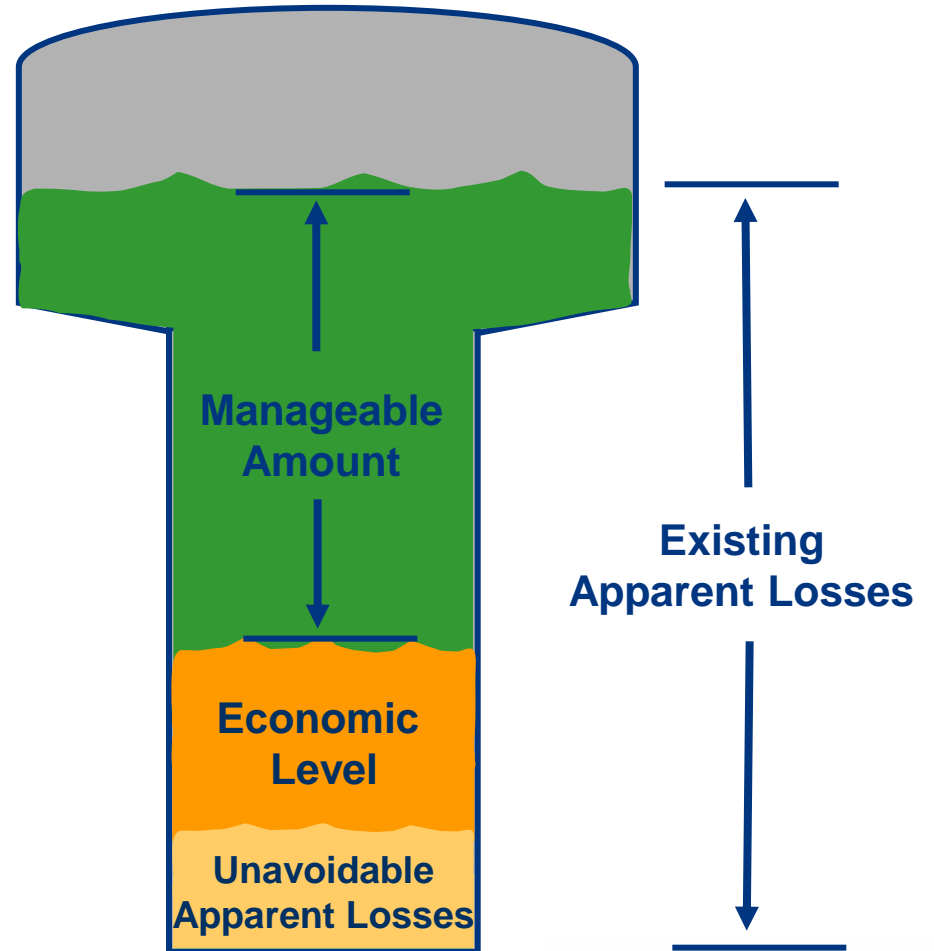
Improve Response time
For Leak Repairs

Active
Leakage Control



As each component receives more or less attention, the losses will increase or decrease

Four Components of Managing Apparent Losses



Four Components of Managing Apparent Losses

