Measurable Progress on our Immeasurable Loss

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WHY MODERNIZE?
Lake Michigan

1. Accounting system
2. Water rates and metering
3. Plumbing standards
4. Outdoor water use standards
Life without MUL

- Communities currently reporting loss greater than 8 percent
- Communities actually losing more than 8 percent of their water (with MUL exemption eliminated)
Accounting system issues

**Revenue Water**
- Billed water exported: water sold out of community
- Billed metered consumption: standard water users
- Billed unmetered consumption: estimated water use for users without meters

**Non-Revenue Water**
- Unbilled metered consumption: water utility use or other public institutions, such as municipal buildings
- Unbilled unmetered consumption: often includes firefighting, main and sewer flushing, street cleaning, etc.
- Unauthorized consumption: illegal connections, meter bypassing, illegal hydrant use
- Unauthorised consumption: errors in the metering or billing systems
- Leakage on mains: small leaks, as well as main breaks on primary water lines
- Leakage on service lines (before the meter): leaks on water lines leading to customer
- Leakage & overflows at storage: operational or technical problems at storage tanks
Accounting system issues

American Water Works Association
Outdoor water use standards
Where are we now?

• New accounting procedure
  – Including use of M36
  – Non-revenue water
• Template for a “system improvement plan”
• New plumbing standards
• More prescriptive on outdoor water use
• Partial allocations
Where do we go from here?

• Next step is Second Notice with the Joint Committee on Administrative Rules
  – Public comment accepted
  – Monitor the Illinois Register