



SB 555: Water Loss Performance Standards

Stakeholder Workgroup
Public Meeting #1: March 9, 2018

Overview of Meeting Objectives and Topics

Max Gomberg



SB 555: Water Loss Performance Standards

Senate Bill No. 555

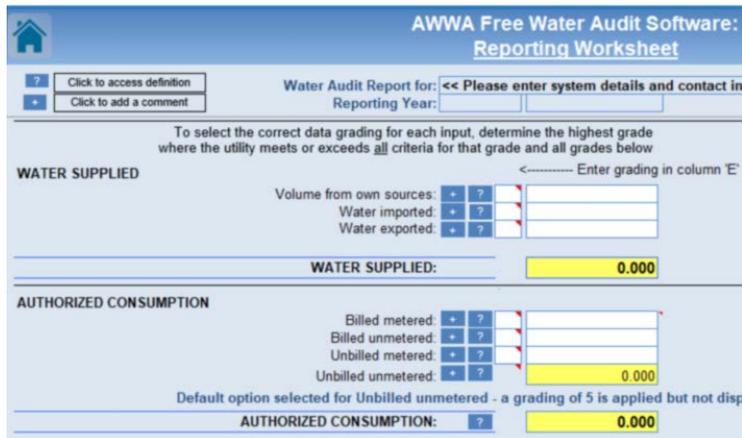
CHAPTER 679

An act to add Section 10608.34 to the Water Code, relating to water.

programs. The bill would require the State Water Resources Control Board, no earlier than January 1, 2019, and no later than July 1, 2020, to adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses. This bill would require the board to contribute up to \$400,000 using funds available for the 2016–17 fiscal year towards procuring water loss audit report validation assistance for urban retail water suppliers.

Meeting #1

Making Audits Actionable



AWWA Free Water Audit Software:
Reporting Worksheet

Water Audit Report for: << Please enter system details and contact information >>
Reporting Year: []

To select the correct data grading for each input, determine the highest grade where the utility meets or exceeds all criteria for that grade and all grades below

WATER SUPPLIED <----- Enter grading in column 'E' >

Volume from own sources:	[+ ? -]	[]
Water imported:	[+ ? -]	[]
Water exported:	[+ ? -]	[]

WATER SUPPLIED: [] 0.000

AUTHORIZED CONSUMPTION

Billed metered:	[+ ? -]	[]
Billed unmetered:	[+ ? -]	[]
Unbilled metered:	[+ ? -]	[]
Unbilled unmetered:	[+ ? -]	[] 0.000

Default option selected for Unbilled unmetered - a grading of 5 is applied but not displayed

AUTHORIZED CONSUMPTION: [] 0.000



- Interpreting data from 2017 Water Loss Audits
- Steps towards water loss control
- Focus areas for improving water loss estimates

Economic Assessment

Senate Bill No. 555

CHAPTER 679

An act to add Section 10608.34 to the Water Code, relating to water.

(i) No earlier than January 1, 2019, and no later than July 1, 2020, the board shall adopt rules requiring urban retail water suppliers to meet performance standards for the volume of water losses. In adopting these rules, the board shall employ full life cycle cost accounting to evaluate the costs of meeting the performance standards. The board may consider establishing a minimum allowable water loss threshold that, if reached and maintained by an urban water supplier, would exempt the urban water supplier from further water loss reduction requirements.

California Environmental Quality Act



SB 555: Water Loss Performance Standards

Stakeholder Workgroup

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Agenda Items

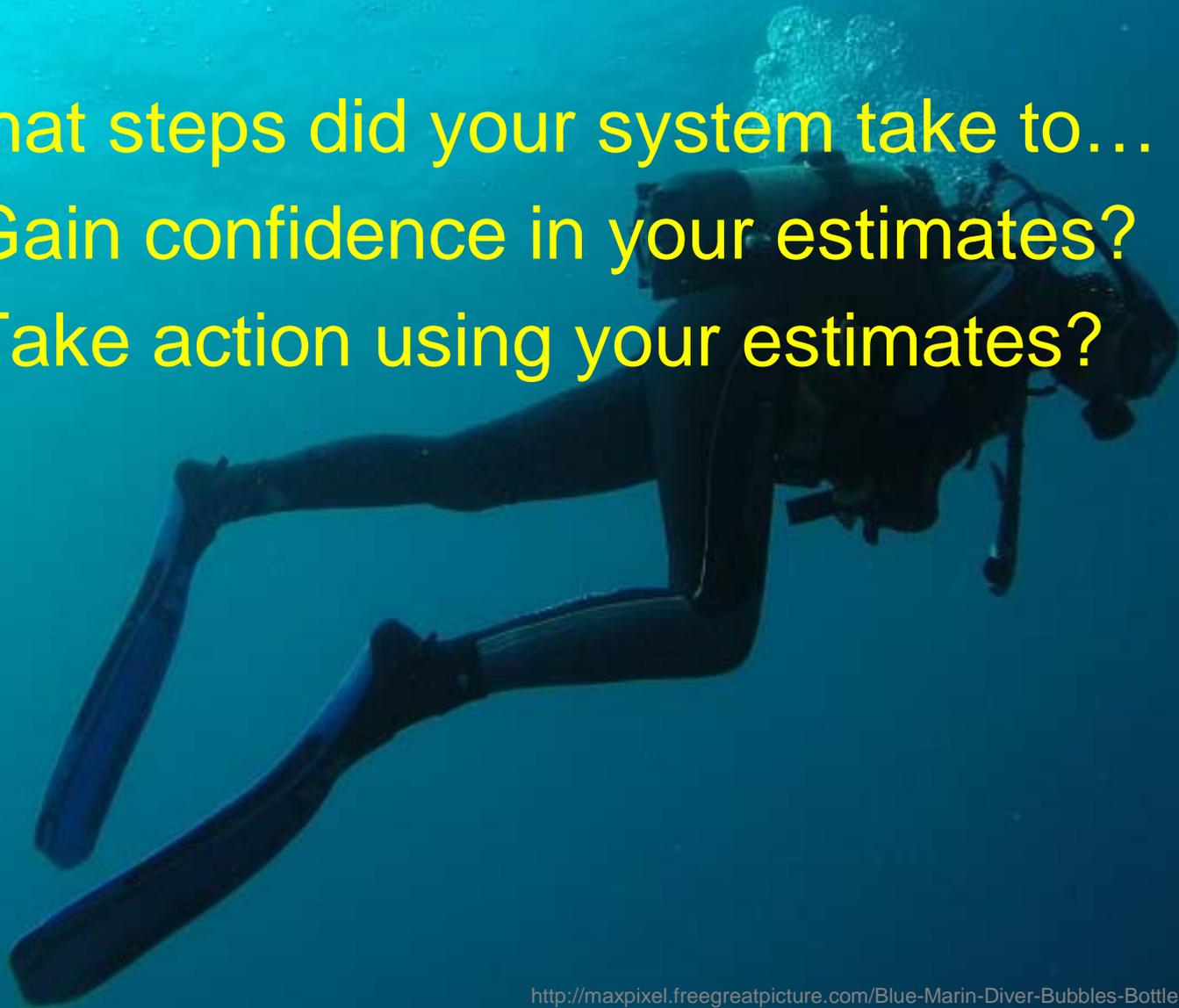
Kartiki Naik



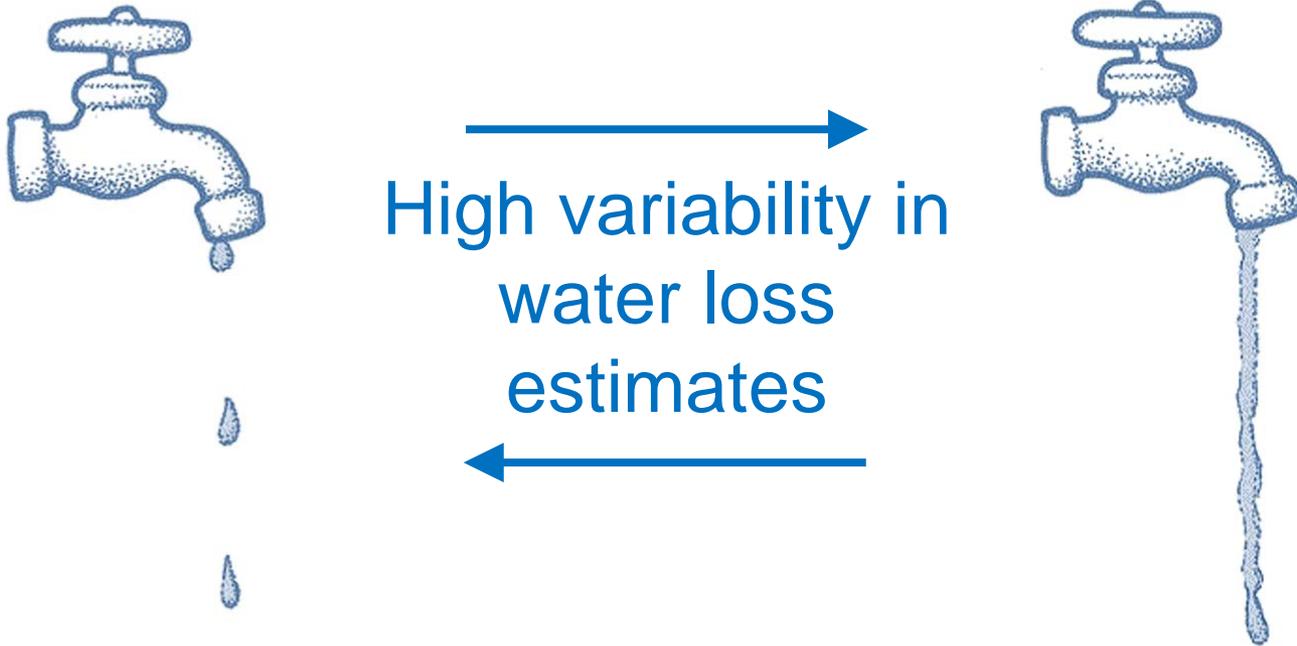
Diving Deeper into Water Loss

What steps did your system take to...

- Gain confidence in your estimates?
- Take action using your estimates?

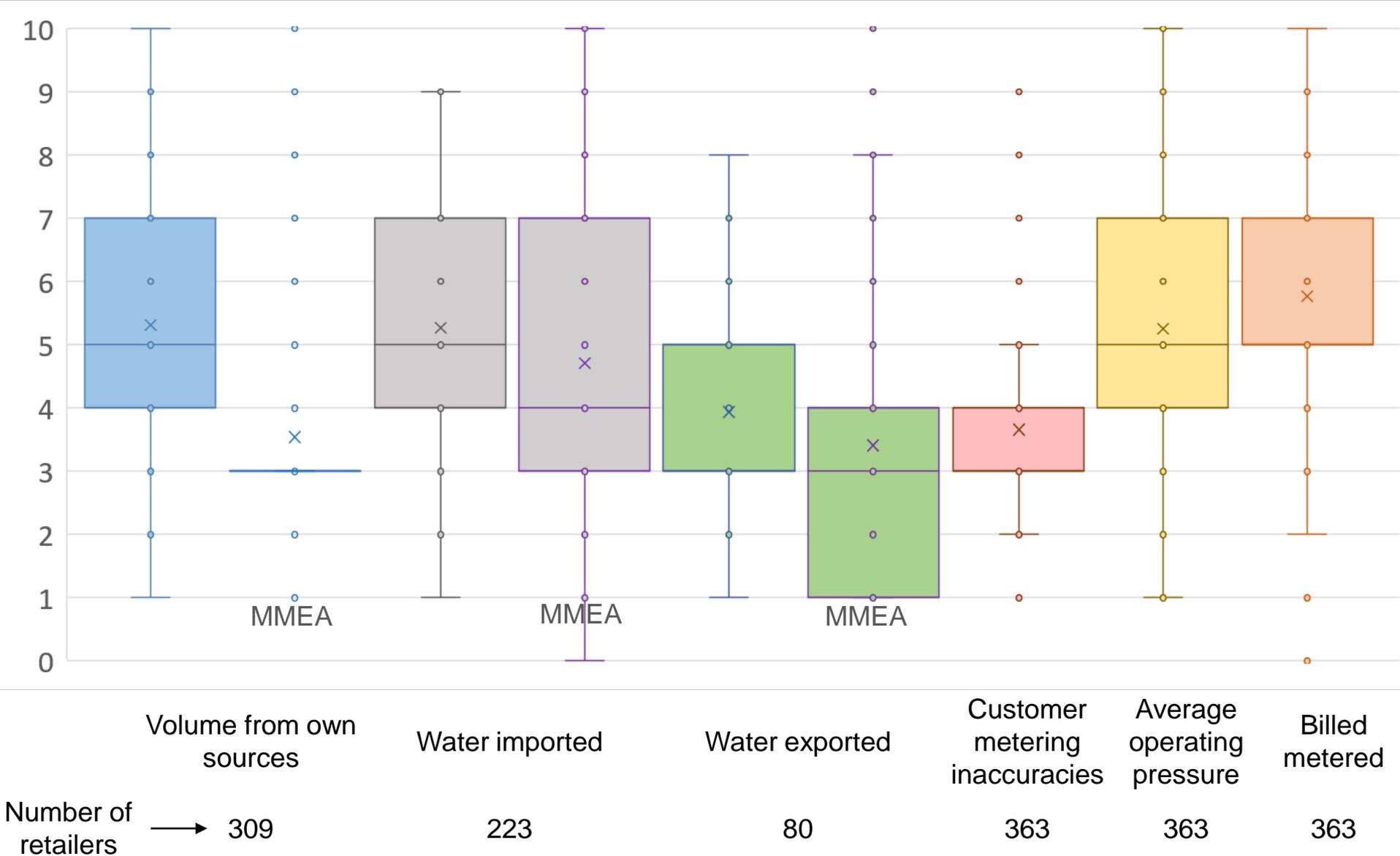


Data Reliability

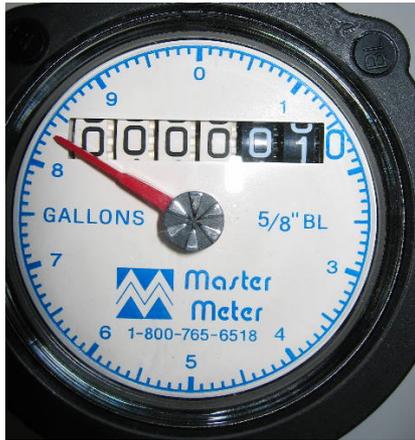


2017 → 2018 → 2019

Data Reliability

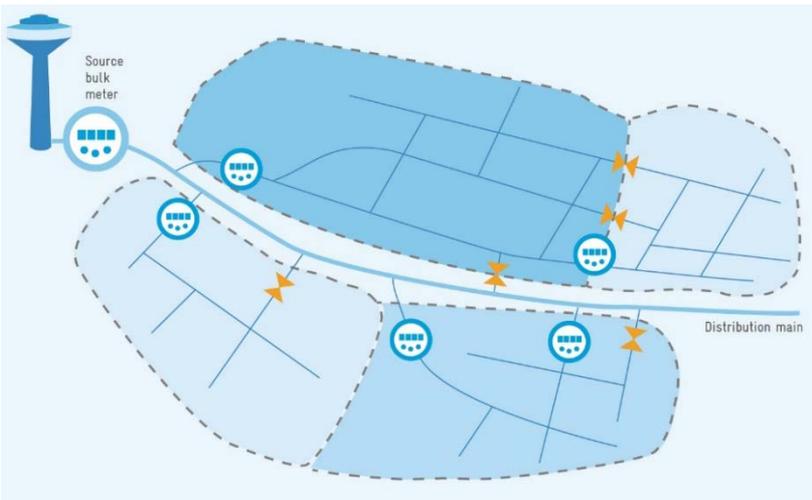


Making Audits Actionable



Metering, data-logging and meter testing

- Retailers: Own sources, Exported water
- Wholesalers: Exported water



Testing & record-keeping:
Metered distributed water

Monitoring operating pressure for zones

Performance Indicators



Infrastructure
Leakage Index



Data Validity
Scores

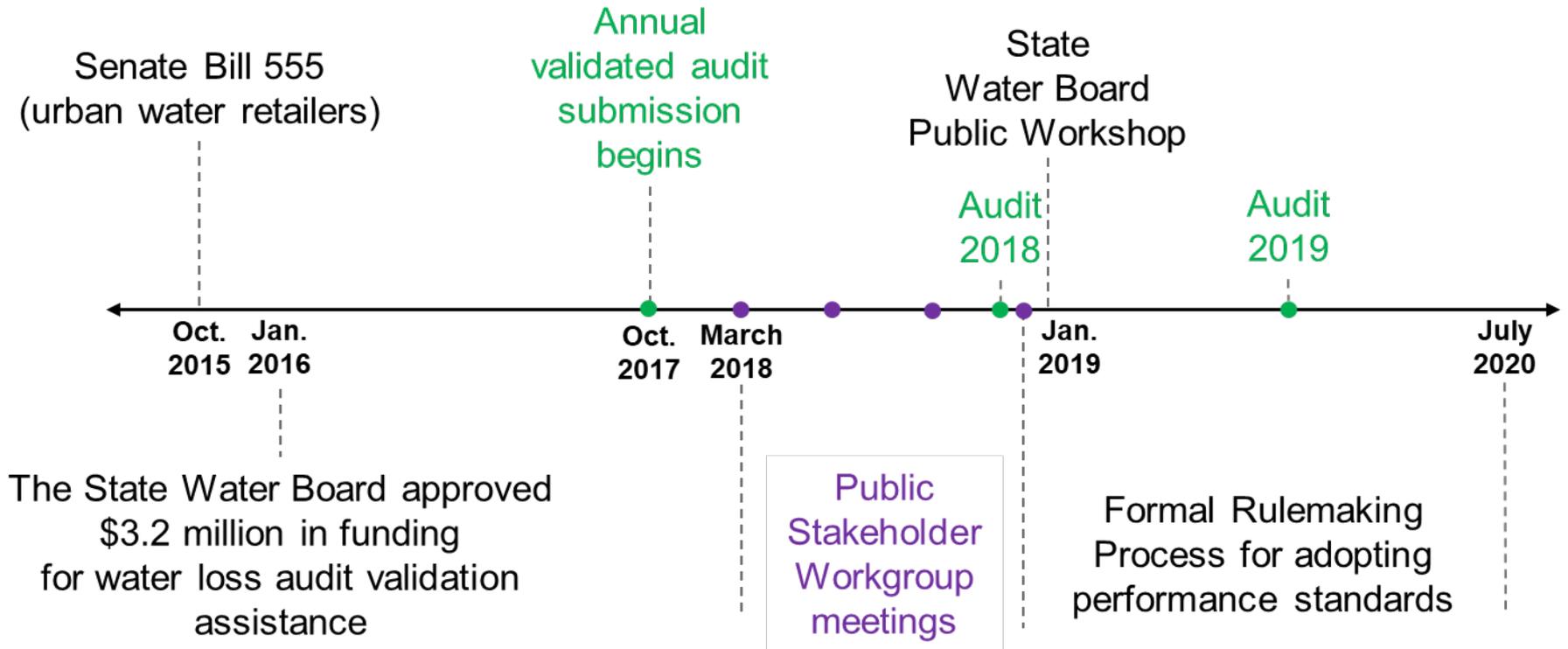


Volumetric
Indicators



Water audit
and water loss
improvement steps

Timeline for Rulemaking



3000 acre-feet per year or 3000 customers

Stakeholder Meeting Topic Overview

- Meeting #2: May 2018
Pressure Management
San Francisco/Bay Area
- Meeting #3: August 2018
Cost Assessment for Water Loss Monitoring and Valuation
Los Angeles Area
- Meeting #4: November 2018
Cost Assessment of Infrastructure Rehabilitation & Audits 2018
Sacramento

Electronic Annual Reports



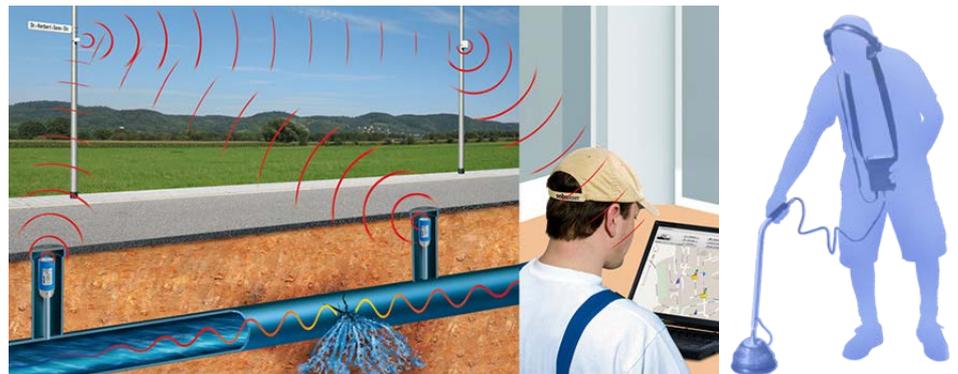
Age

Material

Small v/s Large Pipes



Real Loss Reduction Measures





Board



Programs



Drinking Water



Water Quality

Hot Topics

Agriculture

Cannabis Cultivation

Conservation

Delta Watermaster

Beaches & Ocean

Drought Year Info

Enforcement

Financial Assistance

Groundwater

Human Right to Water

Operator Certification

Permit / Licensing

Petitions

Septic Systems

Storage Tanks

Storm Water

Strategic Plan

Water Quality A

More Programs

Kartiki Naik

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https://www.waterboards.ca.gov/water_issues/programs/conservation_portal/water_loss_control.html