

Water Loss Regulation



CalWEP Plenary
December 7, 2022

Water Loss Regulation

The Basics

- Senate Bill 555 (2015)
 - Annual validated audits and supplier water loss targets
- Tied to Senate Bill 606/Assembly Bill 1668
 - 1 of the 4 components of a supplier's water budget
- Regulation Requirements – adopted October 19, 2022
 - System REAL loss water loss targets (meet it or under)
 - Questionnaires, apparent loss and leak registry reporting
- Real Loss Targets
 - Calculated by inputting supplier audit data into a SWB economic model
 - Gallons per connection per day
- Questionnaires
 - Data Quality, Asset Management and Pressure Management
 - Meter Testing, Leaks Tracking, and Pressure Reduction



Reduction %	Number of Systems
95%-80%	29
79%-60%	58
59%-40%	68
39%-20%	62
19%-10%	31
Under 10%	24
No Reduction	185
TOTAL	457

Water Loss Regulation

Public Process

- Meetings from 2018-2022
- Comment Periods
 - December 2021-February 2022 – 45 day period
 - September 2022 – 15 day period
- Comment Letters
 - Supplier and Water Loss Coalition (ACWA, CMUA, CA NV AWWA, CWA)
- SWB Staff and Board member meetings



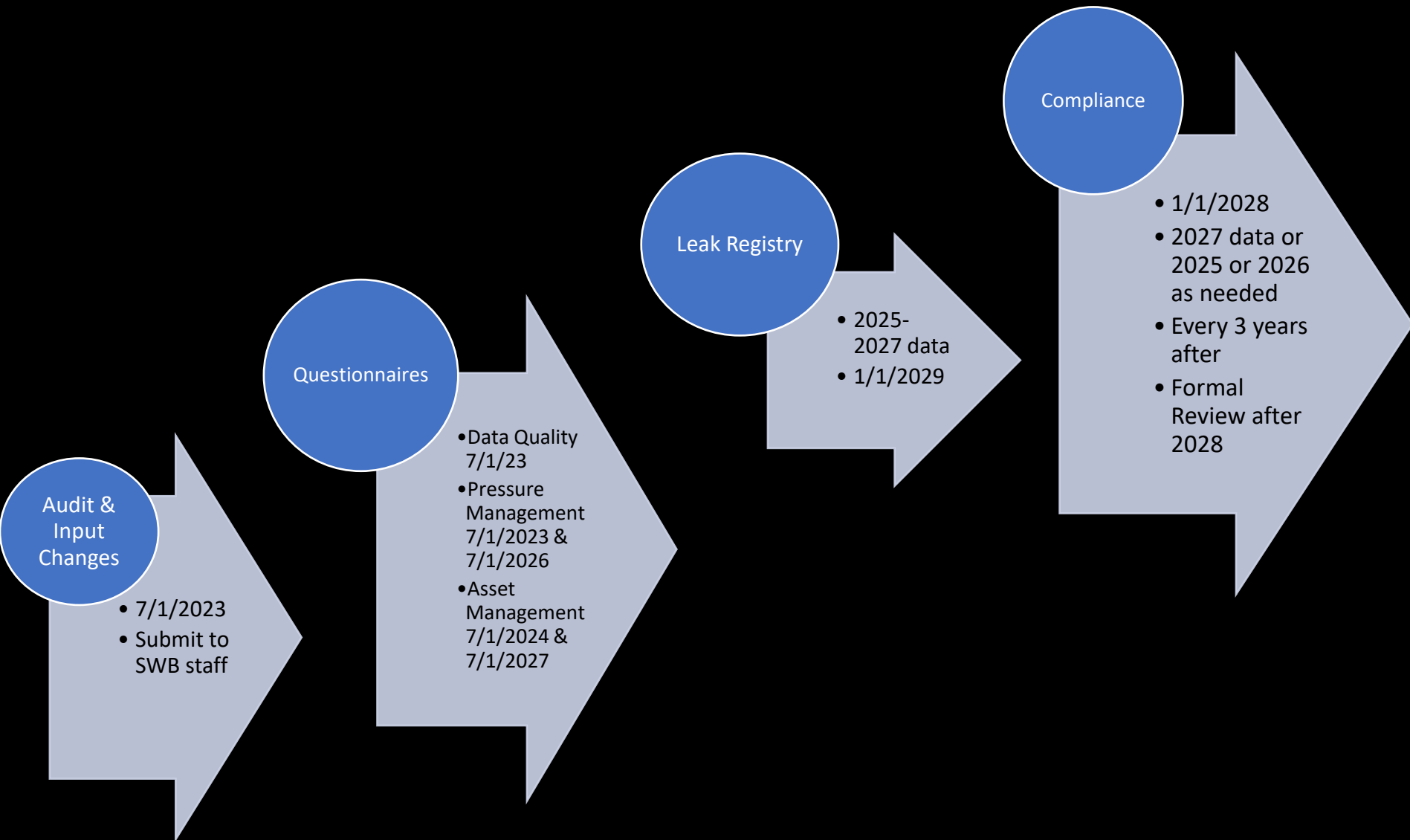
Water Loss Regulation

Ongoing Issues

- Audit Data Quality
- Small/Multiple Systems
- Economic Model
- Reporting Requirements
- Target Reductions



Water Loss Regulation Implementation Timeline



Next Steps

- **CHECK YOUR BASELINE AUDIT DATA**

2017-2020 audit data

If you identify issues or errors, contact DWR with edits/resubmit audits

nirmala.benin@water.ca.gov

- **CHECK YOUR SUPPLIER/SYSTEM TARGETS**

If you identify issues or errors, contact SWB to discuss

orpp-waterlosscontrol@waterboards.ca.gov

Interested in customizing the model's default values to recalculate your target? Previous CA NV AWWA training and resources is available. You must submit customized values with documentation to SWB for approval at email address above.



CA NV AWWA

Input Customization Training

Presentation Recording & Presentation

- Dynamic inputs & supplier examples
- Input change request template
 - STPUD and Sacramento
- SWB input change guidance PDF
- SWB website links
- AWWA resources

www.ca-nv-awwa.org/waterlosscollaborative

American Water Works Association
California-Nevada Section

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ABOUT THE SECTION MEMBERS EVENTS & CLASSES CERTIFICATION AD

Resources: Water Loss Regulation Economic Model Customization Training
"I want to thank all of you that contributed to this webinar. This was the most beneficial and straightforward information we've received to date. Thank you!"
Modeline Blum

California Water Loss Control Collaborative
CA-NV AWWA is leading a broad group of stakeholders that came together in 2015 to combat water loss in California. The California Water Loss Control Collaborative includes utility personnel, industry organizations, non-profits as well as state entities.

The Collaborative includes:

- CA-NV AWWA Water Loss Control Committee – share best practices, non-revenue water challenges and successes, discuss technology innovations, and participate in planning conference technical sessions and specialty workshops. Coordinates with the AWWA Water Loss Control Committee.
- California Water Loss Collaborative Steering Committee – overarching coordination and program implementation between Collaborative activities. For information, contact Amy Talbot, atalbot@rwah2o.org.
- Water Audit Validator (WAV) Certificate Program – Water Audit Validators examine water loss audit inputs prior to audit submission to the California Department of Water Resources (per SB555).
- Department of Water Resources (DWR) - Water Loss Audit Reporting
 - [Water Loss Program](#)
 - [Water Loss Audit Reports](#)
 - [Regulations](#)
 - [Submission](#)

Note: AWWA recommends using version 6.0 unless your regulatory agency requires you to use version 5.0. California Urban Water Suppliers should continue to submit version 5.0 water audits to DWR. DWR will give advance warning when version 6.0 is required. Currently, DWR's WUEData portal accepts version 5.0 water audit submissions only.

Water Loss Regulation Economic Model Customization Training

- [PowerPoint](#)
- [Recorded Presentation](#)

- [City of Sacramento Water Loss Input Change Request Template](#)
- [STPUD Water Loss Input Change Request Template](#)
- [State Water Board Supporting Data Guidance Document – organized by input, December 2021 version](#)



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CA NV AWWA

Upcoming WL Training Priorities

Large customer meter maintenance program development

Source meter testing methods, results & case studies

SWRCB real loss performance target model, input customization, and associated regulations

Version 6 of the AWWA Free Water Audit Software

Leak detection 101 - how to do it and how it may factor into the performance targets

Diving deeper into the apparent loss standard, industry best practices to estimate apparent loss

Water audit validator certification classes (to be permitted to validate audits compiled by others)



CA NV AWWA

New WL Resource

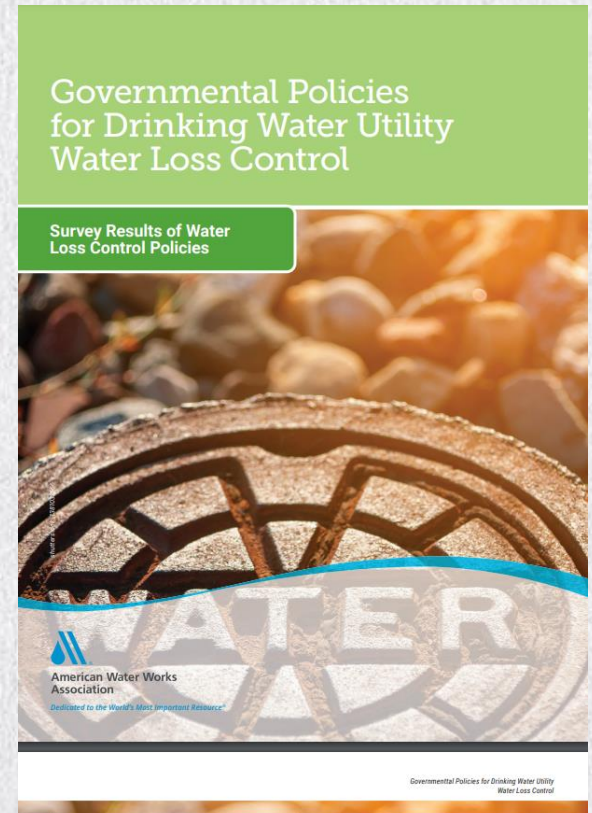
AWWA released the “Governmental Policies for Drinking Water Utility Water Loss Control – Survey Results of Water Loss Control Policies” Resource

In 2021, AWWA’s Technical and Educational Council again funded a survey of North American government agencies (state, provincial, and regional) to document

- Policies that agencies are implementing in their jurisdictions and how they are measuring success, mostly regarding water audit methods and results, and
- Information that agencies can use to better assess the water loss control needs of utilities within their jurisdiction and develop, implement, and evaluate effectiveness of policies intended to help meet these needs.

Document link here:

https://www.awwa.org/Portals/0/AWWA/ETS/Resources/Technical%20Reports/35392%20Governmental%20Policies_FINAL.pdf?ver=2022-09-08-150806-283



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DWR

Water Loss Audits

- All water loss audits posted here <https://wuedata.water.ca.gov/>
- Check to make sure all your audits are uploaded
 - FY 2016/2017 through current
 - Calendar Year 2016-current

WUEdata - Public Portal Sign In

Water Use Efficiency Data (WUEdata)

The Water Use Efficiency (WUE) data online submittal tool allows urban water suppliers or local land use agencies to submit data to the California Department of Water Resources (DWR). This data is made available to the public through the links below.

Model Water Efficient Landscape Ordinance (MWELOS)

View MWELO Reports	View MWELO Reports submitted to DWR by land use agencies.
2020 MWELO Report Data	Download data extracted from submitted 2020 MWELO reports.
2021 MWELO Report Data	Download data extracted from submitted 2021 MWELO reports.

Urban Water Management Plans (UWMPs)

View 2020 UWMPs	View 2020 UWMPs, attached documentation, and official letters from DWR to the supplier.	Number of 2020 Urban Water Management Plans (UWMPs) Submitted to DWR 418 Urban Water Suppliers* 11 Suppliers Voluntarily Reporting* 10 Regional Alliances
2020 UWMP Data	Download data submitted by water suppliers for each UWMP Table. For more information regarding table definitions and uses, see DWR's website - 2020 Urban Water Management Plans .	
View 2015 UWMPs	View 2015 UWMPs, attached documentation, and official letters from DWR to the supplier.	*Section 19617 of the California Water Code defines an "urban water supplier" as a supplier, either publicly or privately owned, providing water for municipal purposes either directly or indirectly to more than 3,000 customers or supplying more than 3,000 acre-feet of water annually.
2015 UWMP Data	Download data submitted by water suppliers for each UWMP Table. For more information regarding table definitions and uses, see DWR's website - 2015 Urban Water Management Plans .	
View 2010 UWMPs	View 2010 UWMP data on the California Department of Water Resources website.	
View 2005 UWMPs	View 2005 UWMP data on the California Department of Water Resources website.	
Resources	View and download resources/documents relevant for urban water suppliers.	

Water Loss Audit Reports

View Water Audit Reports	View AWWA v5 Spreadsheets and Certified Validation Reports submitted to DWR by suppliers.
Water Audit Report Data	Download data extracted from AWWA v5 spreadsheets submitted to DWR by suppliers.

Annual Water Shortage Assessment Reports

Water Shortage Reports	View submitted reports Annual Water Shortage Assessment Report data tables as well as optional attachments/documents.
Water Shortage Data	Download data extracted from Annual Water Shortage Assessment Reports submitted to DWR by suppliers.

State Water Board

Water Loss Regulation

- Regulation text and package
- System targets
- Economic model
- Questionnaire drafts
- Public process history
- Comments letters (contact Amy)
- Questions directed to orpp-waterlosscontrol@waterboards.ca.gov

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



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What the FRAMEWORK?

A ROUND-UP OF WHAT'S GOING ON WITH THE NEW CONSERVATION REGULATIONS

More information at:
calwep.org/what-the-framework/

Questions?

Thank you!

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