California’s New Water Conservation Laws: Coming to a theatre near you?
The webinar will be 60 minutes in length, with ample time for questions. The audio is through your telephone or through your computer microphone & speakers (not both at the same time). The webinar phone line will be muted during the presentation because we are recording it for future use. Your questions can be typed in throughout the webinar and will be answered at the end by the speakers.
WHO ARE YOU?

- Total number of webinar registrants: 200
- Number from California: 144
- Number from other states: 56
- Number of water utilities: 140
SPEAKERS

Mary Ann Dickinson
President & CEO, Alliance for Water Efficiency
Executive Director, California Water Efficiency Partnership

Amy Talbot
Board Chair, California Water Efficiency Partnership
Water Efficiency Program Manager, Regional Water Authority

Tia Lebherz
Director of Outreach & Special Projects, California Water Efficiency Partnership
WHAT WE’LL COVER

WEBINAR AGENDA

Part ONE
WHAT’S ACTUALLY IN THE NEW LAWS?

Part TWO
ENFORCEMENT, REPORTING AND COMPLIANCE

Part THREE
HELPFUL OUTREACH TOOLS FOR MEMBERS
“To make a long story short, now that these bills are law, it’s illegal to take a shower and do a load of laundry in the same day because you’ll exceed your ‘ration.’ ”
Opinion: No One Can Live on The 55-Gallons-a-Day Water Limit California Is Imposing

Look out, California. More punitive water restrictions are on their way

Blame California’s Crazy Left-Wing Politics for Water Rationing

As some have noted, the restriction could make it difficult for some California citizens to do laundry and take a shower on the same day without going over the limit.
PART 1

WHAT’S ACTUALLY IN THE LAWS?

AMY TALBOT
Regional Water Authority & California Water Efficiency Partnership
NEW LAWS

Senate Bill 606 and Assembly Bill 1668

• Signed by Governor on May 31, 2018
• Interrelated bills that amend existing law
• Long-term water use efficiency/conservation
• Better prepare CA for droughts and climate change
• Based on Governor Brown’s Executive Order B-37-16
FOUR PRIMARY GOALS

1. Use Water More Wisely
   • Create, adopt, report, and enforce water budget-based method for quantifying urban retail water supplier water use targets

2. Eliminate Water Waste
   • Setting urban retail supplier water loss standard, methodology, reporting and enforcement (in coordination with SB 555 requirements, 2015)
   • Customer Prohibitions

3. Strengthen Local Drought Resilience
   • Emergency declaration based on local water shortages
   • Urban water shortage contingency planning
   • Countywide planning for small water suppliers and rural communities

4. Improve Agricultural Water Use Efficiency & Drought Planning
TERMINOLOGY

• **URBAN RETAIL WATER SUPPLIER**: public or private supplier that directly provides potable municipal water to more than 3,000 end users or that supplies more than 3,000 acre feet of potable water annually

• **OBJECTIVE**: volumetric estimate of aggregate water use calculated from the standards for each urban retail water supplier
  - Used in the new laws
  - Aka Water Use Budget and/or Target
  - Example: 555 million gallons

• **STANDARD**: the equation/method used to calculate the volumetric estimates of the objective
  - Used in the new laws
  - Example: 55 gallons X population
Contrary to what the media has said….

Water targets will be set based on the overall water use of water provider (targets will not be set for individual customers!)
To create each water provider’s unique target, the following standards will be calculated and added together:

**INDOOR USE**
- The standard for indoor residential water use is 55 gallons per person per day multiplied by the population of the service area.

**OUTDOOR USE**
- The standard for outdoor residential water use is based upon a community’s climate and the amount of landscape area and is still to be determined.

**WATER LOSS**
- The standard for water loss due to leaks in the water system pipes is still to be determined.

**CII LANDSCAPE**
- The standard for outdoor CII water use for accounts with dedicated irrigation meters is still to be determined.
The standard for indoor residential water use is 55 gallons per person per day multiplied by the population of the service area.

55 GPCD x Service Area Population x 365 days = Indoor Standard

- GPCD will reduce to 52.5 by 2030 and 50 GPCD after 2030. (subject to change via Legislature)

- Water industry experts project that many people are already meeting this standard or do not have far to go.

- The Alliance for Water Efficiency has an online water calculator that can estimate how much water a household uses indoors. You can find it at: www.home-water-works.org/calculator.
The standard for outdoor residential water use is based upon a community’s climate and the amount of landscape area. This customized standard is still to be determined.

- **Irrigable** landscape will be measured via aerial imagery
- Aerial imagery will be provided by DWR, some agencies are exploring securing more detailed imagery
- Outdoor standard calculation will take into consideration the unique climate of each water provider’s location
The standard for water loss reduction due to leaks in the water system pipes is still to be determined.

- SB 555 requires Annual Validated Water Loss Audit Reports submitted to DWR
- Water Board to set volumetric water loss performance standards by July 1, 2020 per SB 555, earlier than the other standards.
- Standard will incorporate cost effectiveness
The standard for outdoor CII water use for accounts with dedicated irrigation meters is still to be determined.

- Likely be similar to residential outdoor use standard, based on local climate and irrigable landscape area.

ADDITIONAL CII Water Use Regulations

- Switched from customer budget based to performance measure based
- State to perform studies and develop recommendations to Water Board based on stakeholder input by October 2021
  - CII water use classification system
  - Setting minimum size thresholds for converting mixed CII meters to dedicated irrigation meters or in lieu technologies
  - CII best management practices
  - Does NOT include process water
  - Recommendations must be consistent with 2013 CII Task Force Report
Providers will need to meet the SUM of 4 standards, NOT each one individually.
Variances

DWR will develop and recommend variances for each of the following unique water uses:

• Evaporative coolers
• Horses & other livestock
• Seasonal populations
• Landscape irrigated with recycled water
• Soil compaction & dust control
• Ponds & lakes to sustain wildlife
• Irrigation of vegetation for fire protection
• Agricultural uses
• Others TBD

Potable Reuse Bonus Incentive

A credit of up to 15% of water use objective for potable reuse water delivered to residential water users and CII landscape areas with dedicated irrigation meters, if applicable.
PART 2

ENFORCEMENT, REPORTING AND COMPLIANCE

MARY ANN DICKINSON
Alliance for Water Efficiency & California Water Efficiency Partnership
Efficiency Standards

2018: Begin standard development
2022: Adopt standards, PMs, and method
2023: Suppliers calculate objectives
2026: All suppliers reach objectives

Source: State Water Resources Control Board
### More detailed Timeline

#### Reporting regulation

**Fall 2018:** Begin rulemaking  
**After Jan 2019:** Adopt regulation

#### Water Loss Standard

- **Stakeholder meetings (now)**
- **By Jan 2019:** Begin rulemaking  
- **By July 2020:** Adopt regulation
- **By Jan 2021:** Complete report
- **Study whether 55 GPCD reflects best practices**
- **Study impacts of a changing standard**
- **Stakeholders engage in research**

#### Residential Indoor Standard

- **By Oct 2021:** Recommend standards, CII PMs, variances and method to calculate objective.
- **By May 2022:** Identify potential impacts
- **By June 2022:** Adopt standards and CII PMs

#### Other Standards

- **Stakeholders and public engage in studies and rulemaking**
- **By Oct 2021:** Recommend standards, CII PMs, variances and method to calculate objective.
- **By May 2022:** Identify potential impacts
- **By June 2022:** Adopt standards and CII PMs

#### Enforcement

- **Starting November 2023:** Board may issue *informational orders*
- **Starting November 2024:** Board may issue *written notices*
- **Starting November 2025:** Board may issue *conservation orders*

Providers that violate these orders may be subject to fines of up to **$1000/day**

- **Starting in 2027:** Violating a regulation may also result in a fine

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*Source: State Water Resources Control Board*
THE PROCESS IS STARTING

Upcoming DWR Listening Sessions:
Sacramento: September 5, 2018
Los Angeles: September 7, 2018
Fresno: September 11, 2018

Learn More:

Public Stakeholder Workgroup Meeting #3
Water Loss Control
Los Angeles: September 17, 2018
Metropolitan Water District

Learn More:
REPORTING

• Applies to wholesale and retail water providers.
• Reporting regulations to be adopted in 2019.
• Monthly Reports on water production use, and conservation will be required.
• Annual Reports of a water provider’s previous year’s aggregate water use with the urban water use objective will be required every November 1 -- beginning in 2023.
• Short time frame for compliance strategies to show results before water provider reporting starts.
OUR CALWEP COMMITMENT

• We were not involved in developing these legislative requirements.
• We know that complying with the law and implementing new programs won’t be easy.
• **CalWEP is here to be your partner.** We are committed to helping our members comply as successfully and affordably as possible.
• Over the coming months and years, we will work closely with our colleagues at DWR, the SWRCB, and other partner organizations to provide support and resources for our agency members.
WHAT SPECIFICALLY WILL WE DO?

• Provide **technical support** to state agencies during regulation and target development.
• Form workgroups with our members to brainstorm collective ideas for assisting water providers with **framework compliance**.
• Develop planning tools (landscape, CII) to help our water provider members determine **cost effective ways** to reach assigned targets.
• Develop **measurement strategies** to help our water provider members prove that they are meeting their assigned targets.
• Develop **specialized reporting formats** for our members.
• California has set regulatory conservation milestones over the years (plumbing standards, 20%×2020 goal, emergency drought reductions, water loss auditing requirements)

• State with the highest score in AWE’s 2012 and 2017 Water Efficiency and Conservation State Scorecard

• Setting individual targets for water utilities is unique – not percentage reduction based

• Watch to see if it becomes a national model
PART 3
HELPFUL TOOLS FOR CALWEP & AWE MEMBERS

TIA LEBHERZ
California Water Efficiency Partnership
Opinion: No One Can Live on The 55-Gallons-a-Day Water Limit California Is Imposing

It's Now Against The Law In California To Shower And Do Laundry On The Same Day

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Blame California’s Crazy Left-Wing Politics for Water Rationing

As some have noted, the restriction could make it difficult for some California citizens to do laundry and take a shower on the same day without going over the limit.
CalWEP’s Outreach & Media Toolkit
CALWEP’S MEDIA AND OUTREACH TOOLKIT

WHAT’S INCLUDED:

Available NOW on CalWEP’s website (calwep.org)

• General fact sheet with frequently asked questions
• Infographic: Calculating Water Targets
• Social media sample posts with sharable images
• Template language for community publications
• One pager with talking points for customer service representatives
• Informational Presentation

In development

• Short information video (with ability to cobrand for member agencies)
• Compilation of materials and resources from across the state
• Anything else? Let us know!
New laws require urban water providers to set permanent water use targets for their service areas by 2022. But how will these new targets be calculated?

To create each water provider’s unique target, the following standards will be calculated and added together:

**INDOOR USE**

- **Population**
  - Population \( \times 55 \text{ gal per person per day} \)

**INeDOOR WATER TARGET**

The standard for indoor residential water use is **55 gallons** per person per day multiplied by the population of the service area.
Thank you for joining us!

- A link for this webinar will be available in a few days.
- Toolkit is already posted at www.calwep.org
- Additional questions after the webinar? Email liam@a4we.org or michael@calwep.org
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