



***Making Conservation A Way
of Life***

Draft Regulations

Public Works Commission

October 12, 2023



Agenda

- History – how we got here
- Goals of the regulations
- Framework
- Water Supplier Comments
- Timeline
- Next Steps



Goals of the Legislation

- AB 1668 (Friedman) & SB 606 (Hertzberg)
 - **Use Water More Wisely**
 - Eliminate Water Waste
 - Strengthen Local Drought Resilience
 - Improve Agricultural Water Use Efficiency & Drought Planning



Water Conservation Draft Regulations

- The **Urban Water Use Objective** is a total water budget, in gallons per capita per day (GPCD), that is the sum of efficiency budgets for a subset of urban water uses and must be met by January 1, 2025 (*compliance is based on water use objective and water loss standards*)



Residential Indoor
(Rindoor) ✦

✦ *Statewide efficiency standards are already adopted*

+



Residential Outdoor
(Routdoor)

+



CII-DIM Outdoor
(CIIDIM)

+



Water Loss
(L) ✦

+



if applicable:
**Variations (V) and/or
Bonus Incentive (BPR)**



Indoor Standard

Water Conservation Draft Regulations

- California Water Code Section 10609.4 already sets forth the Residential Indoor standards:
 - Until January 1, 2025: 55 GPCD
 - From January 1, 2025 to January 1, 2030: 47 GPCD
 - After January 1, 2030: 42 GPCD
- For the Urban Water Use Objective:
 - $R_{\text{indoor}} = \text{Standard} \times \text{Population} \times \# \text{ of days in the year}$



Residential Indoor
(R_{indoor}) ✦



Outdoor Residential Formula

Outdoor Residential Water Standard

Suppliers Unique Climate

x

Amount of Landscape Area

x

Efficiency Factor



Water Supplier Comments

- Technical Data Assumptions
- Implementation Costs & Effectiveness



Timeline

Overview of Rulemaking Process

Oct. 4, 2023: State Water Board *HYBRID* Public Workshop (Oral Comments)

Jan. 1, 2024: Start of annual reporting requirement on progress

Late 2024: Anticipated Release of Final Regulations



Aug. 18, 2023: Draft Regulations Released

Oct. 17, 2023: Deadline for Written Public Comments

Late 2023-Early 2024: Anticipated Release of Second Draft of Regulations

Jan 1, 2025: Water Use Objective Compliance begins



State Board Enforcement - Timeline

Jan. 1, 2024** (FY 22/23 water use)

- The State Board may issue **informational orders** pertaining to water production, water use and water conservation to an urban retail supplier that does not meet its Urban Water Use Objective (UWUO).

Jan. 1, 2025 (FY 23/24 water use)

- The State Board may issue **written notices** to an urban retail supplier that does not meet its UWUO. May request that the supplier address areas of concern in its next annual report.

Jan. 1, 2026 (FY 24/25 water use)

- The State Board may issue a **conservation order** to an urban retail supplier that does not meet its UWUO.

Nov. 1, 2027

- The State Board may impose **civil liability** (fine) for a violation of the regulation

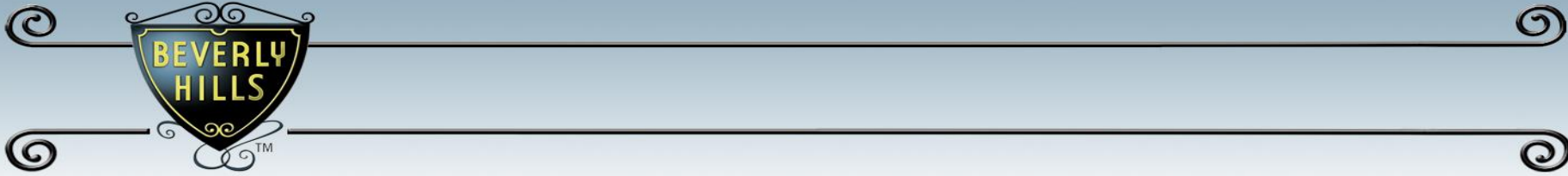


** The State Board has acknowledged that the regulation will not be finalized by this date. Suppliers will have a modified reporting template for 2024. The State Board indicated verbally they will not take enforcement until the regulation is final.



Next Steps

- Reviewing data and preparing for annual report.
- Implementing technology and programs
- Developing comment letter





- Additional Slides



Water Conservation Draft Regulations

- Draft Regulations propose the Residential Outdoor standards:
 - Until June 30, 2030: 0.80 landscape efficiency factor
 - From July 1, 2030 to June 30, 2035: 0.63
 - After July 1, 2035: 0.55
 - Special landscape areas = 1.0
 - Newly constructed residential landscapes: 0.55
- For the Urban Water Use Objective:
 - $R \text{ outdoor} = \text{standard} \times \text{square footage of landscape area} \times \text{net evapotranspiration} \times 0.62$



Residential Outdoor
(R_{outdoor})



Water Conservation Draft Regulations

- Draft Regulations propose the Commercial, Industrial, and Institutional (CII) Dedicated Irrigation Meter (DIM) standards:
 - From July 1, 2028 to June 30, 2030: 0.80
 - From July 1, 2030 to June 30, 2035: 0.63
 - After July 1, 2035: 0.45
 - CII-DIM special landscape areas: 1.0
 - Newly constructed CII-DIM landscapes: 0.45
- For the Urban Water Use Objective:
 - $\text{CII-DIM} = \text{standard} \times \text{square footage of landscape area} \times \text{net evapotranspiration} \times 0.62$



CII-DIM Outdoor
(CII-DIM)



Water Conservation Draft Regulations

- Water loss standards were already set in 2022, including, but not limited to, assessing and reporting:
 - Annual background leakage
 - Annual reported leakage
 - Annual unreported leakage
 - Months taken to survey whole system
 - Monthly water lost due to backlog of unreported leakage
- For the Urban Water Use Objective:
 - Water Loss = standard X total service connections X number of days in the year

OR

 - Water Loss = standard X length of distribution system X number of days in the year



Water Loss
(L) ✦



Water Conservation Draft Regulations

- Variances and/or Bonus Incentives:
 - Supplier delivers water from a groundwater basin, reservoir or source that is augmented by potable reuse water
 - Converting mixed use meters to dedicated irrigation meters
 - Classifying CII based on performance measures: car washes, CII laundries, large landscapes, water recreation
 - Use of best management practices for customers that exceed a recommended size, volume of water use or threshold



If applicable:
**Variances (V) and/or
Bonus Incentive (BPR)**



Water Conservation Draft Regulations

- Reporting:
 - Annual reporting begins January 1, 2024 and every Jan. 1 thereafter
 - Annual reports shall reflect the conditions of the previous state fiscal year
- Enforcement:
 - INFORMATIONAL ORDERS
 - CONSERVATION ORDERS
 - FINES:
 - The Board has authority to fine a person or entity up to \$500/day; and
 - The Board has authority to fine the urban water supplier up to \$10,000 per day if in another drought or critically dry year

