Water Use Efficiency Legislation Implementation AB 1668 and SB 606

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Urban Water Use Efficiency

- AB 1668 and SB 606
  - Path for setting and enforcement of water use efficiency targets
  - Legislates revisions to the Urban Water Management Plans
  - Requires annual supply and demand reporting
Key Dates

- **October 2021** – DWR makes standard recommendations to SWRCB
- **June 2022** – State Water Board adopts urban water use efficiency standards, performance measures, and variances.
- **Jan. 2027** – Urban water suppliers shall achieve the urban water use objective.
2018 Water Conservation Legislation Workgroups

DWR Water Use Efficiency

Water Use Studies

Landscape Area Measurement

Water Supply and Demand Assessment

UWMP Guidebook

Standards, Methodologies and Performance Measures
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<th>DWR Stakeholder Groups</th>
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<td><strong>Landscape Area Measurement</strong></td>
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<td>Residential landscape measurements</td>
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<td>Five meetings in 2020</td>
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<td><strong>Water Supply and Demand Assessment</strong></td>
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<td>Annual assessment</td>
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<td><strong>Standards, Methodologies and Performance</strong></td>
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<td>Methods for developing standards recommendations</td>
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<td>One meeting: 10-28-20</td>
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<td><strong>Water Use Studies</strong></td>
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<td>Residential indoor, CII and variances</td>
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Water Use Studies

- Residential indoor
- CII
- Variances
CWC 10609.14 (b)

- Appropriate variances may include, but are not limited to, allowances for the following:
  - (1) Significant use of evaporative coolers.
  - (2) Significant populations of horses and other livestock.
  - (3) Significant fluctuations in seasonal populations.
  - (4) Significant landscaped areas irrigated with recycled water having high levels of total dissolved solids.
  - (5) Significant use of water for soil compaction and dust control.
  - (6) Significant use of water to supplement ponds and lakes to sustain wildlife.
  - (7) Significant use of water to irrigate vegetation for fire protection.
  - (8) Significant use of water for commercial or noncommercial agricultural use.
NWRI Study

Submitted to DWR February 2018 as part of the MWELO update process showing that a variance above the current ET of 1.0 is needed to maintain plant health when using high TDS.
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<td>Indoor Residential Water Use – Report to Legislature on current standard and recommendations</td>
<td>January 1, 2021</td>
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<td>Outdoor Landscape Area information (related)</td>
<td>January 1, 2021</td>
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<td>Outdoor Water Use Standard</td>
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<td>Variances</td>
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<td>CII Large Landscapes Dedicated Meters</td>
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<td>CII Classification and Performance Measures</td>
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<td>Objectives Guidelines and Methodology</td>
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<td><em>Waterboard Regulations</em></td>
<td>June 30, 2022</td>
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Water Use Studies

• Expected draft recommendations to be released January 2021 – BEHIND SCHEDULE
  - Legislative requirement: January 1, 2021
  - WateReuse CA met with Sabrina Cook who staffs the Water Studies group for DWR, Monday November 30th

• DWR SharePoint: https://cawater.sharepoint.com/sites/dwr-wusw/SitePages/Home.aspx
  - For access, email James.Campagna@WATER.CA.GOV
• Methods for developing standards recommendation

• One meeting: 10-28-20

• DWR will incorporate the "principles of MWELO"
  • Meaning that when recycled water is being used that landscape gets an ET adjustment factor of 1.0 before any possible variances are applied.
UWMP Update

- **UWMP 2020 Guidebook**

- **August 2020 Draft**

- Fall 2020 – Release of the final Guidebook [BEHIND SCHEDULE]

- July 2021 – Due date for urban water supplies to submit UWMPs to DWR
How the UWMP and Drought Risk Assessment Relate

• DWR is preparing a UWMP Guidebook, which will provide guidance on how to prepare the Drought Risk Assessment
  • the draft guidebook is available at DWR’s SharePoint site.

• Drought Risk Assessment must be included in a water supplier’s Urban Water Management Plan.

• These are prepared every 5 years.

• The 2020 UWMPs are due by July 1, 2021.

• DWR will be holding several webinars regarding UWMPs, including one on December 4th regarding a Drought Risk Assessment tool they have developed to assist agencies in preparing the assessment. It is an optional tool, and agencies are free to develop their own tools and methodologies.
• 10635.

• (a) Every urban water supplier shall include, as part of its urban water management plan, an assessment of the reliability of its water service to its customers during normal, dry, and multiple dry water years. This water supply and demand assessment shall compare the total water supply sources available to the water supplier with the long-term total projected water use over the next 20 years, in five-year increments, for a normal water year, a single dry water year, and a drought lasting five consecutive water years. The water service reliability assessment shall be based upon the information compiled pursuant to Section 10631, including available data from state, regional, or local agency population projections within the service area of the urban water supplier.

• Recycled Water can be declared “fully reliable” in a drought if an agency chooses

• Priority for WRCA is that recycled water not be curtailed in a drought
10632.3.

It is the intent of the Legislature that, upon proclamation by the Governor of a state of emergency under the California Emergency Services Act (Chapter 7 (commencing with Section 8550) of Division 1 of Title 2 of the Government Code) based on drought conditions, the board defer to implementation of locally adopted water shortage contingency plans to the extent practicable.
2020 UWMP TIMELINE

2020
- 9/2/2020 DWR Draft Guidebook Released
- Fall - DWR Final Guidebook Published
- Fall/Winter Preliminary Coordination Between Wholesalers & Retailers

2021
- Jan/Feb Finalize 2020 Data, & Complete Draft UWMP
- Spring Hold public hearing, & Adopt & Submit UWMP

7/1/2021
- UWMP DUE!!

2022
- Annual Reporting is Required After 2021
- First Annual Water Shortage Assessment Report

2023
- First Annual Water Use Report
- 2020 UWMP Supplement Measures to achieve water use objective by 2027
Potable Reuse Credit

Summary of Urban Retail Water Supplier's Urban Water Use Objective Calculation

Urban Retail Water Supplier's Urban Water Use Objective (CWC § 10609.20(c))

- Aggregate estimated efficient indoor residential water use
- Aggregate estimated efficient outdoor residential water use
- Aggregate estimated efficient outdoor irrigation of landscape areas with dedicated irrigation meters or equivalent technology in connection with CII water use
- Aggregate estimated efficient water losses
- Aggregate estimated water use for variances approved by the State Water Board

+ Allowable Bonus Incentive Adjustments (CWC §10609.20(d)), which shall be limited in accordance with one of the following:
  - Volume of potable reuse water from existing facility, with completed environmental review by Jan 1, 2019, that becomes operational on or after June 1, 2022, not to exceed 15% of urban water use objective
  - Volume of potable reuse water from new facility, not to exceed 10% of urban water use objective

≡ Urban Retail Water Supplier's Urban Water Use Objective, Adjusted For Bonus Incentive, for annual reporting purposes and comparison to the actual water use in the previous year

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• Questions?

• Call or email at clasalle@waterreuse.org

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