CELEBRATING 30 YEARS
WATEREUSE | 1990 2020

Water Use Efficiency Legislation Implementation AB 1668 and SB 606

By Charles LaSalle
Legislative and Regulatory Affairs Manager

12/4/2020

Urban Water Use Efficiency

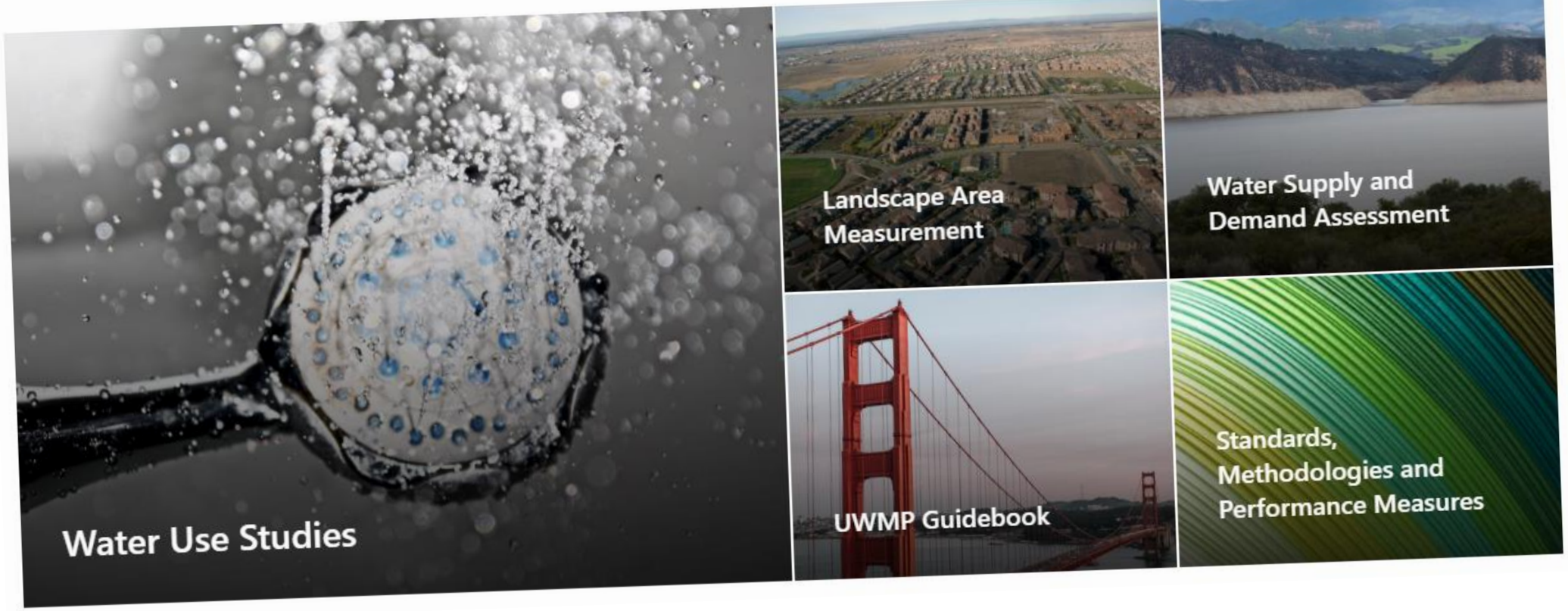
- **AB 1668 and SB 606**
  - Path for setting and enforcement of water use efficiency targets
  - Legislates revisions to the Urban Water Management Plans
  - Requires annual supply and demand reporting

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

D DWR Water Use Efficiency



DWR Stakeholder Groups

Landscape Area Measurement	Residential landscape measurements
	Five meetings in 2020
Water Supply and Demand Assessment	Annual assessment
	Two meetings: 3-9-2020, 6-23-20
Standards, Methodologies and Performance	Methods for developing standards recommendations
	One meeting: 10-28-20
Water Use Studies	Residential indoor, CII and variances
	Two meetings: 11-19-19, 7-23-20

Water Use Studies

Residential indoor

CII

Variances

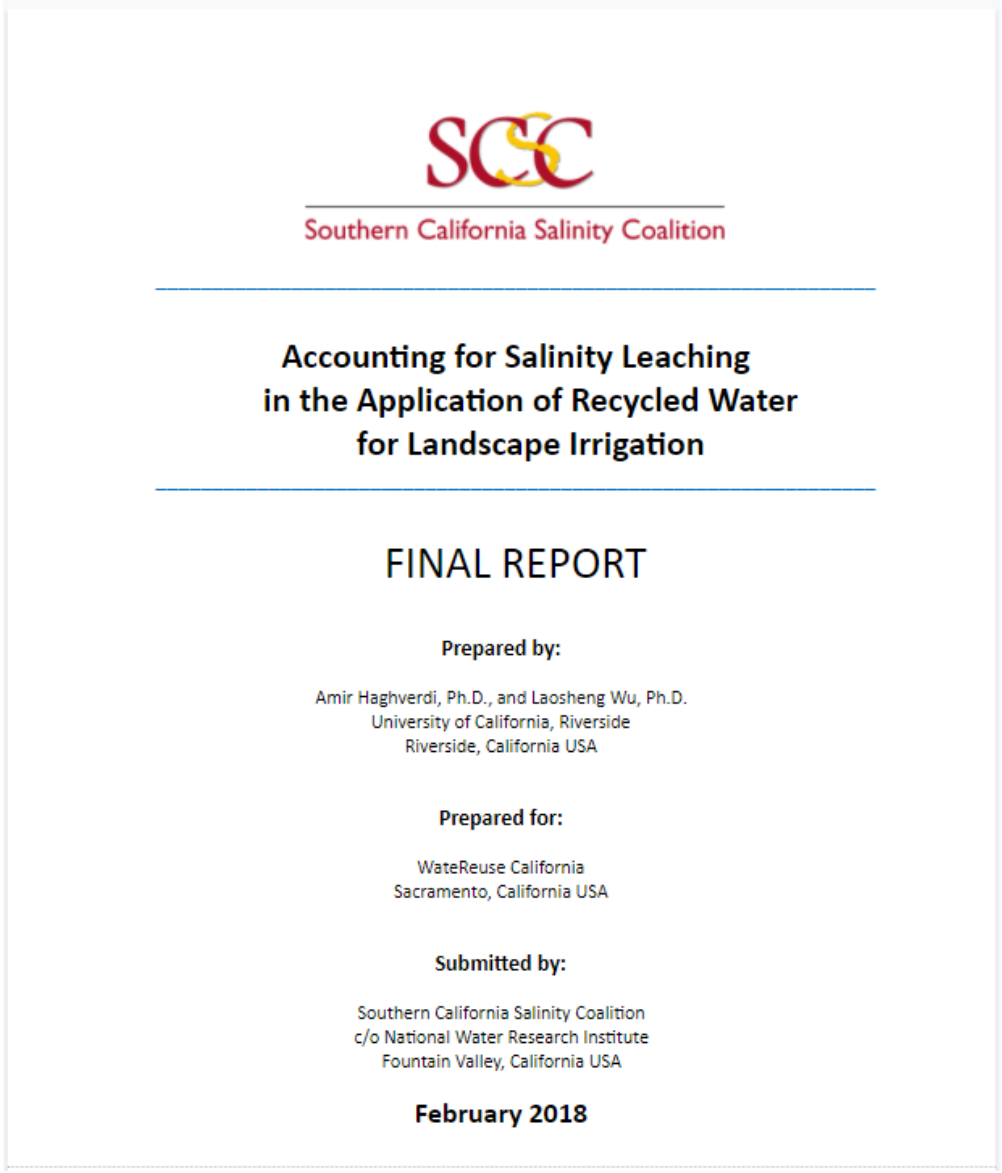
CWC 10609.14 (b)

- 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.

CALIFORNIA DEPARTMENT OF
water resources

NWRI Study

Submitted to DWR February 2018 as part of the MWELO update process showing that a varices above the current ET of 1.0 is needed to maintain plant health when using high TDS



SCSC

Southern California Salinity Coalition

Accounting for Salinity Leaching in the Application of Recycled Water for Landscape Irrigation

FINAL REPORT

Prepared by:

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Prepared for:

WateReuse California
Sacramento, California USA

Submitted by:

Southern California Salinity Coalition
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February 2018

DWR Studies	Legislated Deadlines
Indoor Residential Water Use – Report to Legislature on current standard and recommendations	January 1, 2021
Outdoor Landscape Area information (related)	January 1, 2021
Outdoor Water Use Standard	October 1, 2021
Variances	October 1, 2021
CII Large Landscapes Dedicated Meters	October 1, 2021
CII Classification and Performance Measures	October 1, 2021
Objectives Guidelines and Methodology	October 1, 2021
Waterboard Regulations	*June 30, 2022*

Water Use Studies

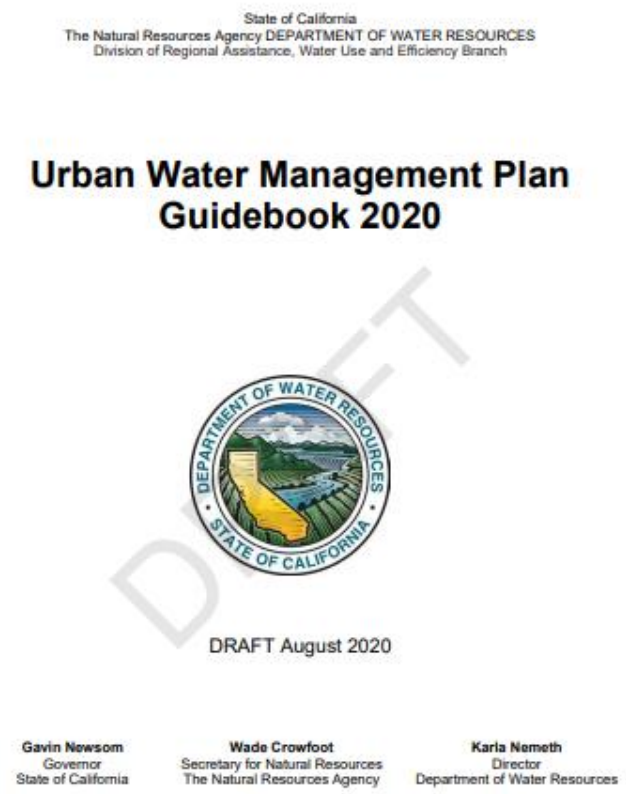
- Expected draft recommendations to be released January 2021 – **BEHIND SCHEDULE**
  - Legislative requirement: January 1, 2021
  - WateReuse CA met with Sabrina Cook who staffs the Water Studies group for DWR, Monday November 30th

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

Standards Methodologies and Performance Measures

- 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


State of California
The Natural Resources Agency DEPARTMENT OF WATER RESOURCES
Division of Regional Assistance, Water Use and Efficiency Branch

Urban Water Management Plan
Guidebook 2020

DRAFT

DRAFT August 2020

Gavin Newsom
Governor
State of California

Wade Crowfoot
Secretary for Natural Resources
The Natural Resources Agency

Karla Nemeth
Director
Department of Water Resources

- **<u>UWMP 2020 Guidebook</u>**
- 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 Rick 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.

UWMP Drought Risk Assessment SB 606

- 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

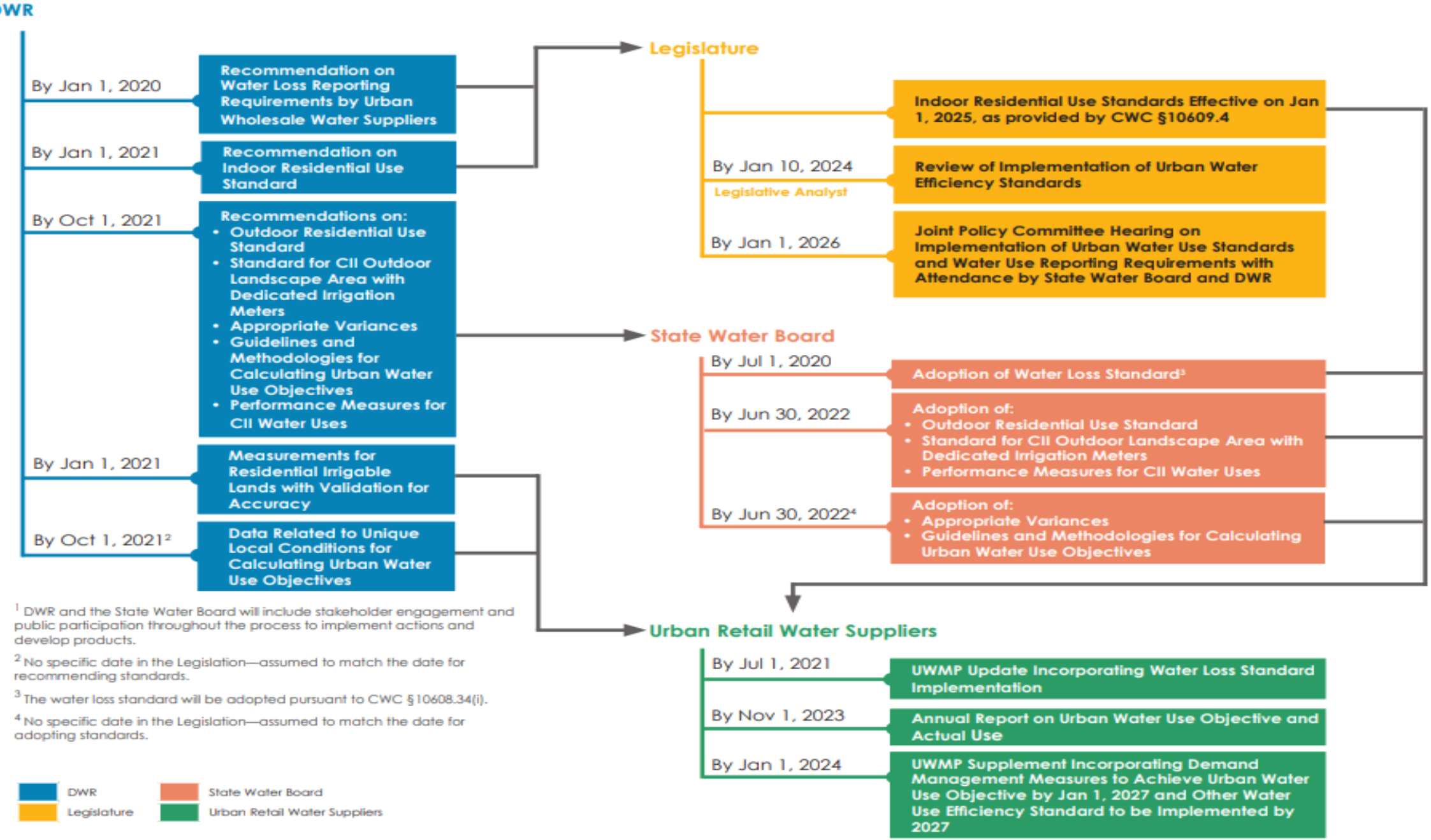
First Annual Water Shortage Assessment Report

2023

First Annual Water Use Report

2020 UWMP Supplement Measures to achieve water use objective by2027

Major Actions and Products Required to Implement Water Use Efficiency Standards and Urban Retail Water Supplier's Annual Reporting Requirements[1]



[1] DWR and the State Water Board will include stakeholder engagement and public participation throughout the process to implement actions and develop products.

[2] No specific date in the Legislation—assumed to match the date for recommending standards.

[3] The water loss standard will be adopted pursuant to CWC §10608.34(i).

[4] No specific date in the Legislation—assumed to match the date for adopting standards.

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 [illegible] by Jan 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**

Click to add text

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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

WATEREUSE CALIFORNIA

- Questions?

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- 916 216 6015