

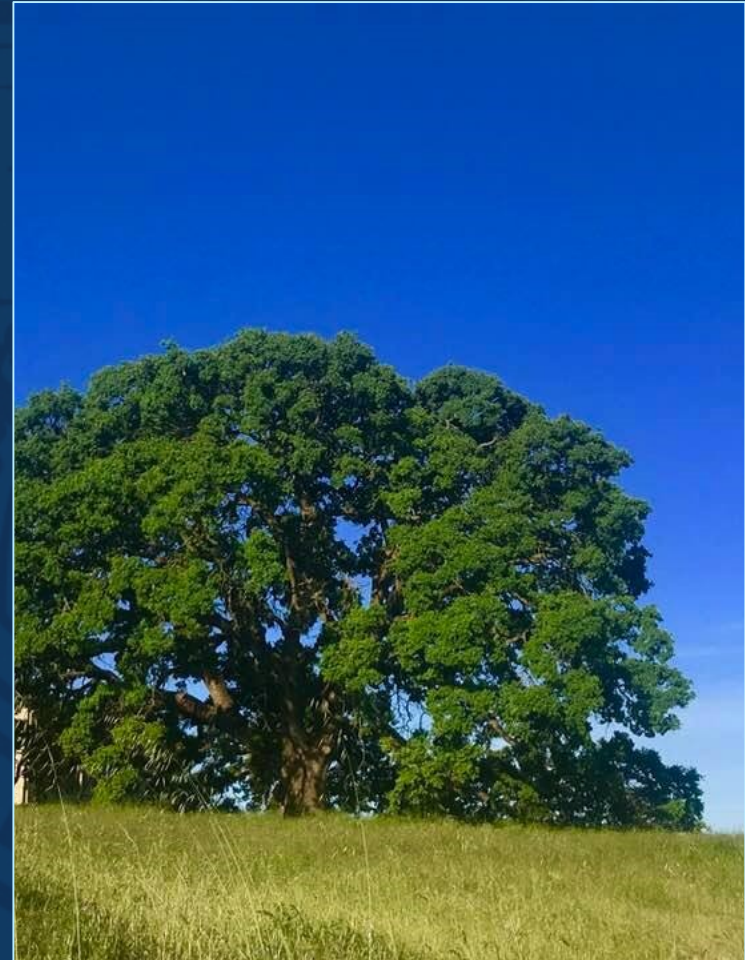
# Implementing the 2018 Water Conservation Legislation

Peer to Peer Conference  
California Water Use Efficiency Partnership  
Anaheim, California May 15, 2019

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Water Use and Efficiency Branch



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# Primer: Water Conservation Legislation Reference Document



## **MAKING WATER CONSERVATION A CALIFORNIA WAY OF LIFE**

Primer of 2018 Legislation on Water Conservation and Drought Planning  
Senate Bill 606 (Hertzberg) and Assembly Bill 1668 (Friedman)

PREPARED BY



California Department  
of Water Resources

AND



State Water Resources  
Control Board

NOVEMBER 2018



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# Key Elements in 2018 Legislation

## Urban Water Use Efficiency

- Urban water use objectives based on water use efficiency standards
- Commercial, industrial, and institutional (CII) performance measures

## Drought Resiliency

- Water shortage contingency planning
- Countywide drought planning for small water systems and rural communities

## Agricultural Water Use Efficiency and Drought Planning

- Enhanced agricultural water management planning



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# Annual Water Supply Assessment

Requires annual water supply and demand reporting by June 1.

- Supply and demand planning assumes a subsequent dry year
- Reporting begins June 1, 2022
- Report on water shortage actions when applicable
- Intent of the legislature that the Water Board defer to local water shortage contingency planning to the extent practical.



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# Urban Water Use

Urban Water Use Objectives  
CII Performance Measures



# Water Use Objectives

Indoor Residential Budget

+

Outdoor Residential Budget

+

CII Dedicated Irrigation Budget

+

Distribution System Water Loss Budget



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# Objective Adjustments

## 1. Variances-significant and unique uses of water.

- Legislation lists 8 uses of water to study and consider

## 2. Bonus credit for potable reuse



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# Commercial, Industrial and Institutional (CII) Performance Measures

- DWR directed to conduct studies and develop recommendations on CII performance measures. Performance measures may include:
  - CII water use classification systems
  - Water audits and/or water management plans
  - Dedicated irrigation account size threshold and alternative measurement systems
  - Other measures
- Recommendations due October 1, 2022
- Shall support the economic productivity of CII sector



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# Process

1. Water Use Studies (now to 1/1/2021)
2. Recommendations due 10/1/21
3. Water Board regulations 6/30/2022
4. Reporting begins 11/1/2023
5. Compliance 2023 to 2027



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# Landscape Area Measurement



# Pilot Projects

Landscape area measurement is a new technology

Pilot projects with two objectives:

1. Develop definitions and classification scheme for:
  - a. Irrigated Landscape
  - b. Irrigable Landscape
2. Test accuracy of remote sensing methodology to measure landscape area



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# Pilot Projects Continued

**2018** - Completed a pilot with the City of Santa Rosa and Padre Dam Water District

**2019** -

1. Finishing 2<sup>nd</sup> pilot with North Marin and Rancho California
2. Starting 17 agency pilot with diverse landscape across the State
3. Regional Pilot

**2021** - Complete all 403 Retail Water Agencies



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# Landscape Definition and Classification:

## Measure 3 Categories

- Irrigated
- Irrigable-Not Irrigated
- Not Irrigable

Irrigated + Irrigable-Not Irrigated = Irrigable



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# Landscape Area Measurement Issues

- Irrigable vs. undeveloped lands classification
- Identification of residential dedicated irrigation accounts
- Areas irrigated outside parcel boundaries
- Matching residential parcel zoning classification with water billing classification



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# Near-term Projects

- Wholesale Water Loss Reporting Feasibility Study and Recommendations
- Residential Indoor Water Use Study
- Residential Outdoor Water Use Study
- Outdoor Landscape Area with Dedicated Irrigation Meters for CII Water Use Study
- Recommendations for Urban Water Use Standards, Guidelines and Methodologies for Calculating Urban Water Use Objectives, and Variances
- CII Performance Measures
- County Drought Recommendations
- Begin discussions on annual water supply assessment



# Urban Overview Meeting

Monday, May 20, 2019

West Sacramento City Hall Galleria

9:30 AM to 3:00 PM

Agenda and Webinar Information  
on DWR's Website



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# Stakeholder Outreach

## Workgroups

1. Urban Landscape area
2. County Drought
3. Wholesale Water Loss
4. Water Use Studies
5. Standards, Methodologies and Performance Measures
6. Urban Water Management Plan Guidebook
7. Annual Water Supply Assessment
8. Model Water Efficient Landscape Ordinance
9. Agricultural Water Management Plan Guidebook
10. Data Submittal



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