

MAKING WATER CONSERVATION A CALIFORNIA WAY OF LIFE

Update on 2018 legislation

Water Conservation and Drought Planning

SB 606 (Hertzberg) and AB 1668 (Friedman)



Santa Rosa Water | Our Future in Every Drop

2018 Water Conservation & Drought Planning Senate Bill 606 and Assembly Bill 1668

- Interrelated bills that amend existing laws
- Based Gov. Brown's Executive Order B-37-16
- Focus:
 - Long-term water use efficiency
 - Climate change/drought resilience



Santa Rosa Water | Our Future in Every Drop

Four Primary Goals



1. Use water more wisely
 - Water budget-based targets
2. Eliminate water waste
 - Water distribution system loss standard
3. Strengthen local drought resilience
 - Emergency declaration to be based on local shortages
 - Drought resiliency and response planning and reporting
4. Improve agricultural water use efficiency & drought planning



Santa Rosa Water | Our Future in Every Drop

Budget-based water target

Aggregated target calculated by water provider

- Compliance not assessed based on individual customer use or single category



Santa Rosa Water | Our Future in Every Drop

INDOOR USE*

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



* State Water Board and Department of Water Resources (DWR) required to conduct studies and investigations and develop recommendations to Legislature by Jan 1, 2021



Santa Rosa Water | Our Future in Every Drop

OUTDOOR USE*

The standard for outdoor residential water use is based upon a community's **climate** and the **amount of landscaped area**.



DWR to develop recommendations for CII landscapes served by dedicated irrigation meters by Oct 1, 2021.

* State required to provide urban retailers with parcel-level residential landscape area data by Jan 2021



Santa Rosa Water | Our Future in Every Drop

Landscape Area

- DWR to measure Landscape area for all 410 urban retail water suppliers in California
- DWR completed a 2 agency pilot- Padre Dam and the City of Santa Rosa
- Measured landscape area for Single Family Residential
- Landscape area x Outdoor standard x Net ET= Outdoor budget



Santa Rosa Water | Our Future in Every Drop

7

Urban Landscape Area Measurements



1. Classify landscapes into distinct categories (Pools, turf, trees and shrubs, hardscape, etc.,)
2. Combine that data into broader categories (Irrigable-Irrigated, Irrigable-Un-irrigated, Un-irrigable, hardscape)

8

Results

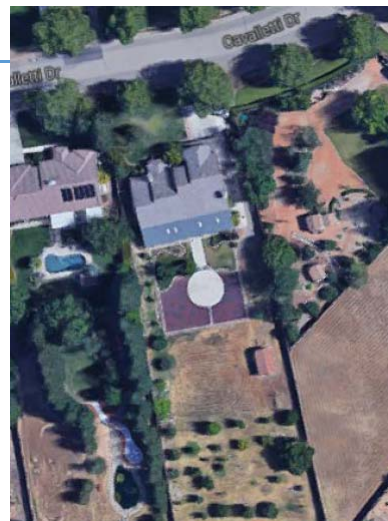
- DWR completed accuracy assessment
 - Good results for Santa Rosa but some issues with Padre Dam.
 - For large parcels, mapping land as undeveloped vs. irrigable vs not irrigated can be subjective



Santa Rosa Water | Our Future in Every Drop

Landscape Measurements: Next steps for State


- New pilot study
 - 10 agencies
 - Include MFR and SFR
 - Parcel level data
- DWR required to provide parcel level data to all urban water suppliers by Jan 1, 2021




Santa Rosa Water | Our Future in Every Drop

WATER LOSS*

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




* Rulemaking in progress. Stakeholder meetings being held.
State to adopt water loss standard by Jul 1, 2020.




Santa Rosa Water | Our Future in Every Drop

CII Sector

- DWR to develop performance measures
 - State to conduct studies and develop recommendations by Oct. 1, 2021
 - State to solicit broad public participation
 - CII water use classifications
 - Minimum thresholds for converting mixed to dedicated meters (or in lieu tech)
 - BMPs for water audits and water management plans





Santa Rosa Water | Our Future in Every Drop

Mandatory Reporting



- Monthly water production, water use, and conservation efforts – to be adopted in 2019
- Annual Urban Water Use Objective compared to actual use – starts Nov 1, 2023
- Urban Water Management Plan, with 5-year drought assessment – July 1, 2021
- Supplement to UWMP (demand management measures to achieve target by 2027) – Jan 1, 2024



Santa Rosa Water | Our Future in Every Drop

Efficiency Standards **TIMING**



Questions



Santa Rosa Water | Our Future in Every Drop