



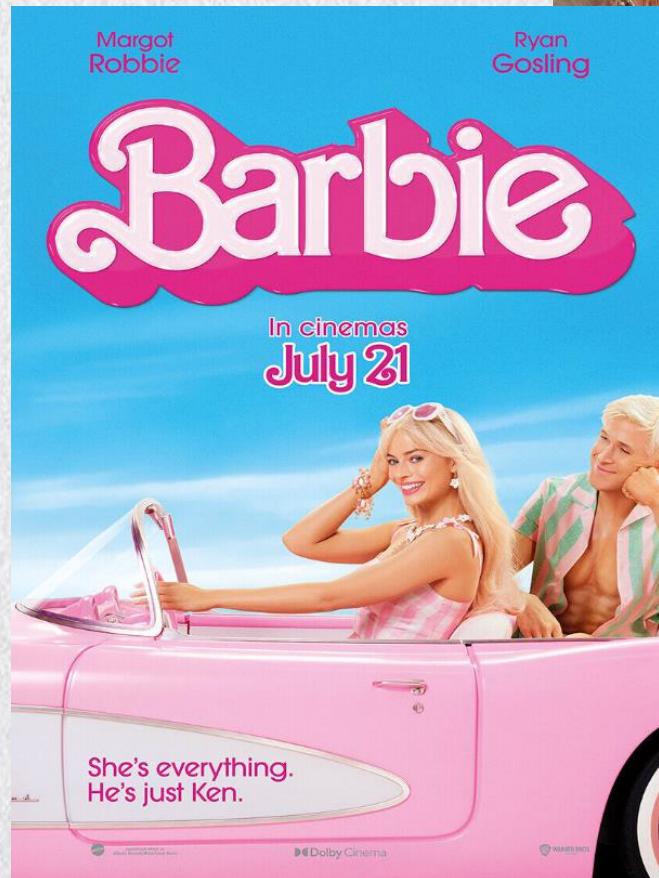
# RWEPAC

July 26, 2023



# WELCOME Introductions

- Name
- Organization
- Favorite Summer Movie





# Agenda

- May 2023 Meeting Notes
- UC Davis SmartLandscape Presentation
- SB606/AB1668 and Reporting Regulations
- Break
- Program Updates – Variety of Topics
- Agency Announcements/Adjournment
- Lunch @ 12:30 pm
- SmartLandscape Tour @ 1:00 pm
- Networking

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# Meeting Notes

- May 2023
- Approve and post online?





# UC Davis Smart Landscape Project



606/1668

Regulation

# Basic Update

- SWB recommendations are more stringent than DWR recommendations but give more time
- Much worse for our region because they reduce outdoor budgets
  - lower ETAF in 2035, effective rainfall, etc.
- CII BMP Performance Measures are confusing and overkill – could be an opportunity for a series of regional programs
- Not anticipating big changes from summary released in March 2023

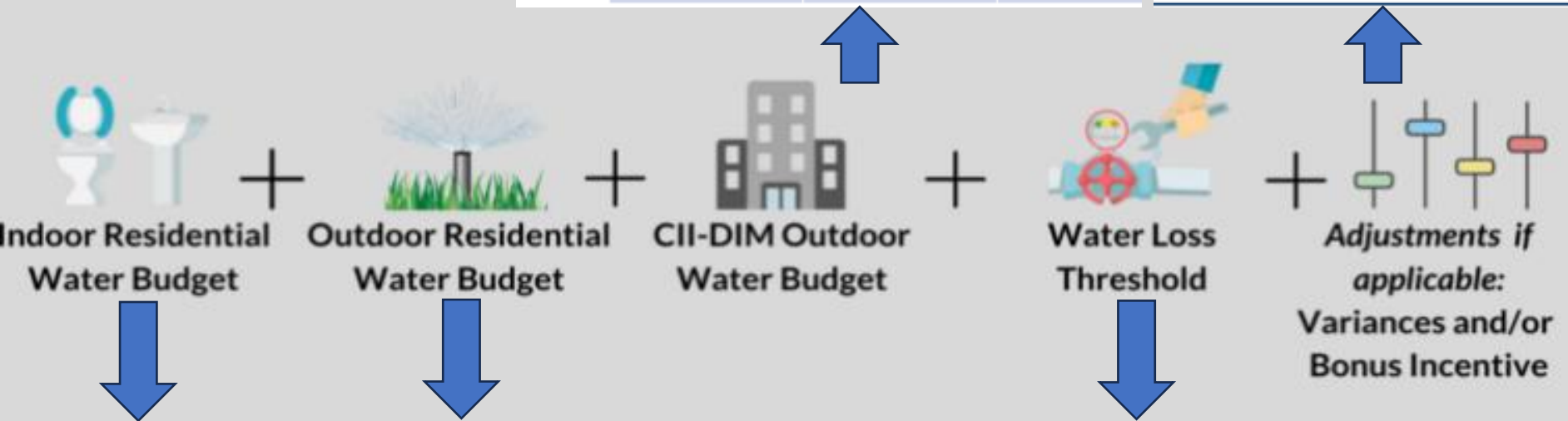
## Existing landscapes

Year	Standard
2020	0.80
2030	0.63
<b>2035</b>	<b>0.45</b>
Special Landscape Areas	1.00

## Landscapes associated with new construction

Year	Standard	INI Buffer
Any	0.45	NA

Evaporative Coolers	Threshold 5% of budget
Fluctuation in seasonal populations	
Populations of horses & other livestock	
Areas irrigated with high TDS recycled water	
Water to supplement ponds and lakes to sustain wildlife	
Water needed to respond to emergency events	
Dust control on horse corrals or other exercise arenas	
Water used to irrigate residential-agricultural landscapes	



<b>2020</b>	<b>55</b>
2025	47
2030	42

## Existing landscapes

Year	Standard	INI Buffer
2020	0.80	Up to 20%
2030	0.63	Up to 20%
<b>2035</b>	<b>0.55</b>	<b>Up to 20%</b>
Special Landscape Areas	1.00	NA

## Landscapes associated with new construction

Year	Standard	INI Buffer
Any	0.55	NA

Individual system  
standards on  
SWB website



## DIMs or “in-lieu” tech for qualifying landscapes

- Threshold to determine which CII landscapes qualify
  - 500,000 gallons annually
- Defining "in-lieu" technologies
  - Hardware, software, actions

## Performance Measure

*Comparing to DWR Recommendations*

### Staff Proposal

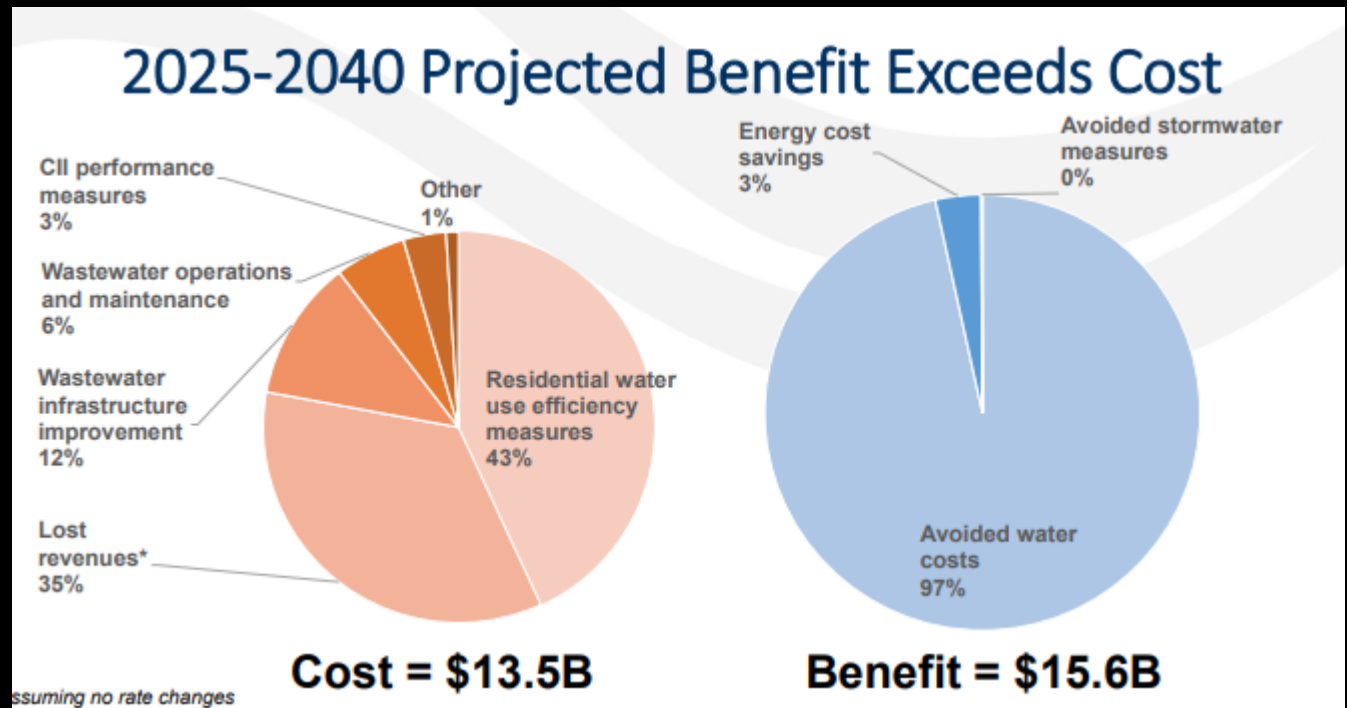
- Top 20% threshold
  - 1 BMP per category
- Top 2.5% threshold
  - 2 BMPs per category
- "Disclosable building" threshold
- BMPs
  - DWR recommendations
  - Measures to:
    - Prioritize water for trees
    - "Slow the flow"

### DWR Recommendations

- 20% Threshold
- 2.5% Threshold
- BMPs
  - Outreach, Technical Assistance and Education
  - Incentive
  - Landscapes
  - Collaboration and Coordination
  - Operational

## Governor's Water Supply Strategy – Goals for 2040

- **Free up 500,000 acre-feet of water** through more efficient water use and conservation, helping make up for water lost due to climate change





# RWA Concerns

- Beyond efficiency to achieve water savings/reduction
- Single component versus overall compliance
- 2035 Outdoor ETAF = to MWELO/planning standard
- Effective rainfall – availability of data from DWR
- Limited Provisions
  - Urban tree health
  - Surface water augmentation and groundwater recharge

## RWA Concerns

- ENERGYSTAR portfolio for CII categories
- Top 20% and 2.5% of customers by CII categories
- Assessment data quality concerns – 50% no target
- SWB Objective Tool - had meeting with SWB staff
- Assumes same level of savings can be achieved in past and future

Savings  
associated  
with meeting  
objectives  
in 2035

Savings Category	Percent of Suppliers	Percent of Population
Meets objective	28%	48%
Savings of 10% or less	32%	24%
10% to 20% savings	19%	13%
20% to 30% savings	12%	10%
Savings more than 30%	9%	4%



# Formal Rulemaking

- Simple regulation draft and SRIA released
- Workshop scheduled for August 16<sup>th</sup>?
- Formal rulemaking starts with 45-day comment period
  - 15 day comment periods after any changes until its done
- Expected to take a year but...honestly I have no idea.



# SB 606/AB 1668 Supplier Budgets-Next Steps

- Reporting Timeline
  - January 1, 2024
  - Data used could be 2024 calendar or 2023/2024 fiscal year
  - Per WC Sections 10609.20 and 10609.22, an urban retail water supplier is required to calculate its UWUO and actual water use for the prior year no later than January 1, 2024, and by January 1 every year thereafter. These calculations are to be based on the urban retail water supplier's water use conditions for the previous calendar or fiscal year.
- Presentation at CalWEP's Plenary – August 31<sup>st</sup>- about potential reporting formats

Source: [https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Water-Use-And-Efficiency/2018-Water-Conservation-Legislation/Performance-Measures/UWUO\\_GM\\_WUES-DWR-2021-01B\\_COMPLETE.pdf](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/Water-Use-And-Efficiency/2018-Water-Conservation-Legislation/Performance-Measures/UWUO_GM_WUES-DWR-2021-01B_COMPLETE.pdf)



# Open Questions

1. Anything else we didn't talk about?
  
2. Knowing what you know now, what do you think you will need with implementation?
  - RWA Master Services Agreements with Consultants?
  - More CIMIS stations

# New CIMIS Stations?

- CIMIS = CA Irrigation Management Information Systems
- Why is it important?
  - Used to measure local rainfall, temp, ET for 606/1668
- Issue
  - We only have one centrally located station – Fair Oaks, Phoenix Park
  - One in Auburn as well
- Solution
  - More stations to provide more locally accurate data
  - Potential Sites
    - Elk Grove/Unincorporated Sac County
      - WildHawk Golf Club ----Meeting with DWR this month
      - Valley Hi Country Club ----2 potential locations
    - Lincoln/Auburn area – Up Next for Researching
  - Cost: \$13,000 per site



**BREAK TIME,**



# Program Updates



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# Land IQ CII DIM Landscape Measurement

- Land IQ incorporating comments into final drafts
- Map and excel tables for each supplier
- August delivery
- Project expectations
- DWR is still planning on providing measurements

# Toilet Saturation Study

- Finished modeling
- Reviewing results by suppliers
  - Overall efficient toilets and DAC efficient toilets
  - 1.6 gpf or less \*\*\*\*\* 60-70% saturation for most suppliers
  - 1.28 gpf or less \*\*\*\*\* 30-40% saturation for most suppliers
- Reviewing supplier profiles this week
- Includes Program recommendations by supplier
- Expect final report in 1-2 months



Findings	Housing Units				
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		1990	2012	2016	2020
<ul style="list-style-type: none"> <li>Single family is largest market opportunity</li> </ul>	Single Family Units	13,253	35,833	38,116	41,767
	Multi-Family Units	4,035	11,992	12,355	12,663
<ul style="list-style-type: none"> <li>Significant expansion from 1990-2010</li> </ul>	Total	17,288	47,825	50,471	54,430

Findings	Toilets by Flush Rate							
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		Pre-1992	ULFT	HET	UHET	Total	% HETs or Better	% ULFTs or Higher
<ul style="list-style-type: none"> <li>Majority of remaining higher use toilets are in the single family market</li> <li>Generally high saturation of ULFTs+</li> </ul>	Single Family Toilets	8,621	47,928	34,974	782	92,306	39%	61%
	Multi-Family Toilets	1,677	9,472	5,331	108	16,588	33%	67%
	Total	10,298	57,400	40,305	890	108,894	38%	62%

Findings	Active Program Participation: 2023 – 2022				
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		ULFT	HET	UHET	Total
<ul style="list-style-type: none"> <li>Programs impacted 1% of high efficiency upgrades</li> </ul>	Single Family	637	557	-	1,194
	Multi-Family	8	85	-	93
	Total	645	642	0	1,287

Findings	Toilets in DAC Census Areas				
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		Total Toilets	HETs or Better	ULFTs or Higher gpf	Percent
<ul style="list-style-type: none"> <li>DAC market offers best opportunity</li> <li>Multi-family DAC offers highest opportunity</li> </ul>	Single Family	8,568	2,240	6,329	9%
	Multi-Family	2,891	776	2,116	17%
	Total	11,460	3,016	8,444	11%

## Program Recommendations Ranking

1. Single Family Leak Detection Incentive
2. Single Family Leak Repair and Fixture Replacement Program
3. Multi-family DAC Premium HET Direct Installation or Aqua Miser Toilet Retrofits
4. Multi-family Toilet Leak Detection Device Incentives

## Next Steps

- Design program and identify budget
- Consider partnering with regional agencies to implement programs
- Procure grant funding with prioritization of DAC program

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# Indoor Direct Installation Program Phase 2 –RFP Released on July 7th

- Urban Community Drought Relief Grant funding
- Multifamily and Commercial/Institutional, DACs
  - DAC Census Blocks versus tracks with other grant
- Toilets, urinals, showerheads, & aerators
- 20,000 fixtures total
- \$2.1M budget
- Project timeline – January 2024-April 2026
- **Need help reviewing responses – Need volunteers please**
  - **Review panel August 7-11th**
- **Send any potential customers to me!**



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# Grant Update

- Awarded \$3M from Urban Drought Grant (March 2023)
  - 2.8 years to implement
  - **\$2.1M for DAC Direct Install – RFP Released!**
  - **\$338,000 for Public Outreach/Focus Groups – USING NOW**
  - **\$500,00 for turf removal/irrigation rebates (pass through)**
    - Agreements out for supplier signature



## BE WATER SMART

# Brewery Partnership

- Outreach Materials Toolkit
- Summer/Fall focus
- Coaster are HERE!!
- Sign up to visit list
- Newest brewery to join:  
Jack Rabbit in West Sacramento
- Media events – Urban Roots  
Solid Ground





# ARE YOU SUMMER STRONG?

Becca is. She went the extra mile by installing  
drip irrigation and a weather-based sprinkler timer.



Be like Becca. Learn to be Summer Strong at [BeWaterSmart.info](http://BeWaterSmart.info)

# ARE YOU SUMMER STRONG?

Maurice is. He knows that native plants grow strong  
and deep roots that muscle through hot summers.



Be like Maurice. Learn to be Summer Strong at [BeWaterSmart.info](http://BeWaterSmart.info).



# ARE YOU SUMMER STRONG?

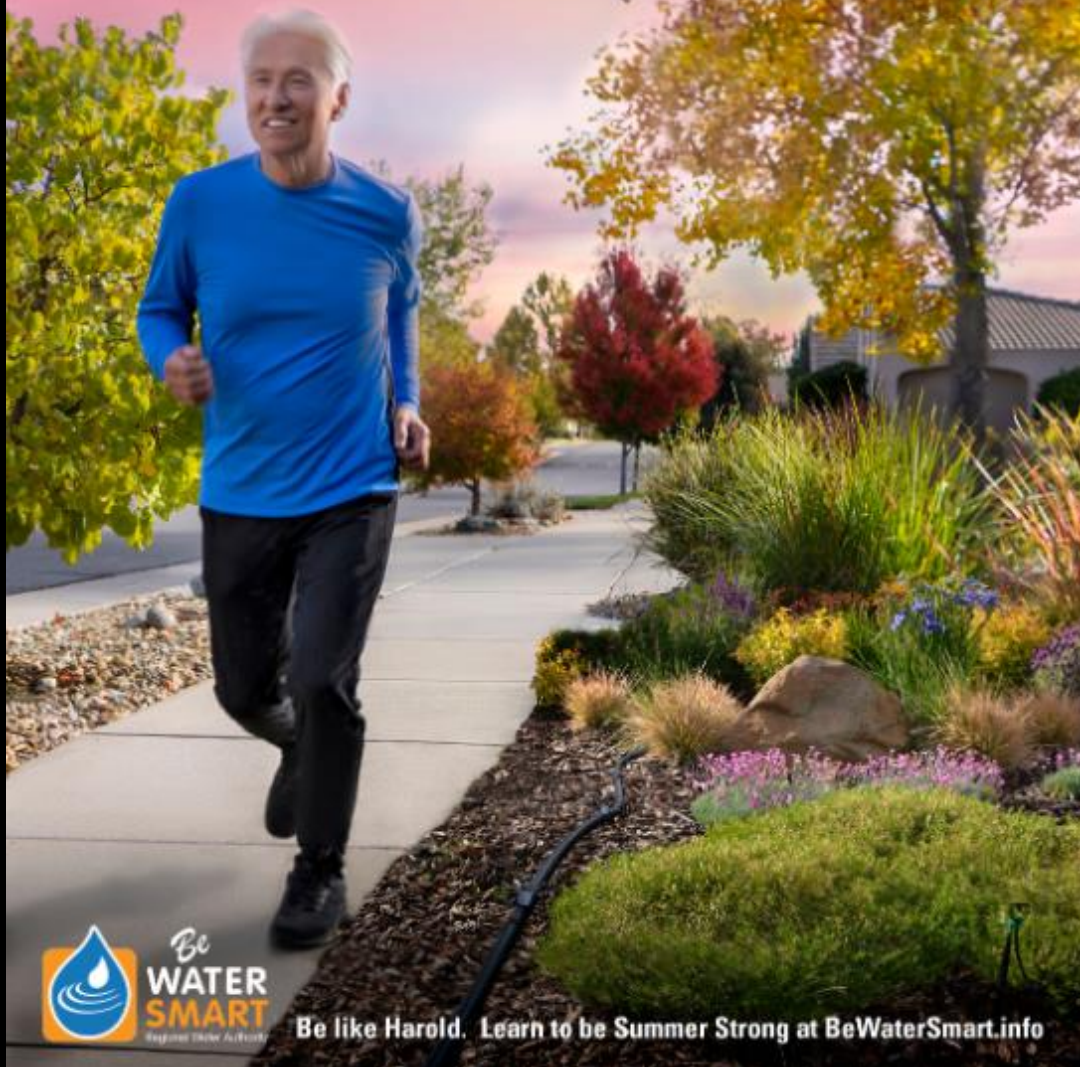
Becca is. Trees are most at risk during hot summer months. To thrive, they need water delivered slowly and deeply using drip irrigation or a soaker hose.



Be like Becca. Learn to be Summer Strong at [BeWaterSmart.info](http://BeWaterSmart.info)

# ARE YOU SUMMER STRONG?

Harold is. He waters his yard early in the morning to reduce evaporation.



Be like Harold. Learn to be Summer Strong at [BeWaterSmart.info](http://BeWaterSmart.info)



# ARE YOU SUMMER STRONG?

Linda is. She checks the soil moisture with a moisture meter before turning on sprinklers.



Be like Linda. Learn to be Summer Strong at [BeWaterSmart.info](http://BeWaterSmart.info).

# INVESTMENT LEVEL

## OPTION #1:

Sacramento Republic FC and Regional Water Authority will enter into a one-year marketing partnership, which includes the aforementioned programs at the following investment level:

**2023: \$25,000**

### @ HEART HEALTH PARK:

- One (1) :30 second segment per regular season home match of digital LED signage
- Branding on two (2) SRFC Water Refill Stations
- Bathroom signage in the main bathrooms in the Marketplace.
  - Plus optional incremental playoff spend of \$1,200 per home playoff match for all stadium branding

### OTHER:

- Inclusion on SacRepublicFC.com Website
- Discount Ticket Offer for Employees







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# Before and After Landscape Upgrade Pics

- We are looking for additional before and after **home** landscape upgrade pictures for the toolkit





# BERC Certification

- Business Environment Resource Center
- Serve most of our region
- Businesses can get certified for being environmentally conscience
  - Water Conservation
  - Energy Conservation
  - Pollution Prevention
  - Solid Waste Conservation
  - Transportation/Air Quality
- DWR connection
- Reviewed water conservation criteria and provided edits
- Something we can promote to customers and connect rebate programs
- Mentions Water Wise House Calls
- Just getting started





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## Green Gardener

- Reviving the Green Gardener training
- Partnership with Joanna at UC Cooperative Extension
- Focus on landscape maintenance
- Stepping stone for further training like QWEL
- Qualification versus certification
- Aimed at landscapers
- Offer in English and Spanish
- Monica/Don – any additional details?





## School Education Grant

- Partnership with Michelle @ NorCal School of the Arts
- Grant funded \$300,000 for classroom/community events from Capital Region Creative Corps
- Work with local artists to develop shows about water efficiency
- Need city of Sacramento approval – expected to happen
- Sacramento, Yolo and El Dorado counties
- Using program funding to extend to Placer County
- Fall 2023 – September 2024



# Nonfunctional Turf Legislation

- [AB 1572](#) (Friedman)
  - Definition of nonfunctional turf
  - Focus on CII and multifamily, no single family residential, but maybe HOAs
  - Customer certification
  - Tiered implementation timeframe
  - State and local enforcement options
- Next Steps
  - CalWEP, MWD and others in support



# Native Plant Legislation

- [AB 1573](#) (Friedman)
  - Native plants for new or renovated nonresidential areas – not less than 25% by 2026 – project landscape area
    - Excluding recycled water areas and edibles
  - Workgroup to understand what it would take to get to 75% by 2035
- RWA concerns
  - Industry capacity and plant health/scaling
  - No idea of current native plant offerings
  - Redundant with MWELO
- Next Steps
  - RWA/ACWA not in support
  - MWD looking to support



# DAC Budget Legislation

- [AB 1072](#) (Wicks)
  - 40% of water efficiency budget dedicated to DAC programs
  - If 10% or less DACs, can change to 10% requirement
  - By 2025
  - Wholesale and retail suppliers
  - Focus on direct install, landscapes, time of purchase
  - Can use regional entity to comply
  - If you don't meet requirements, not eligible for state grants for any project

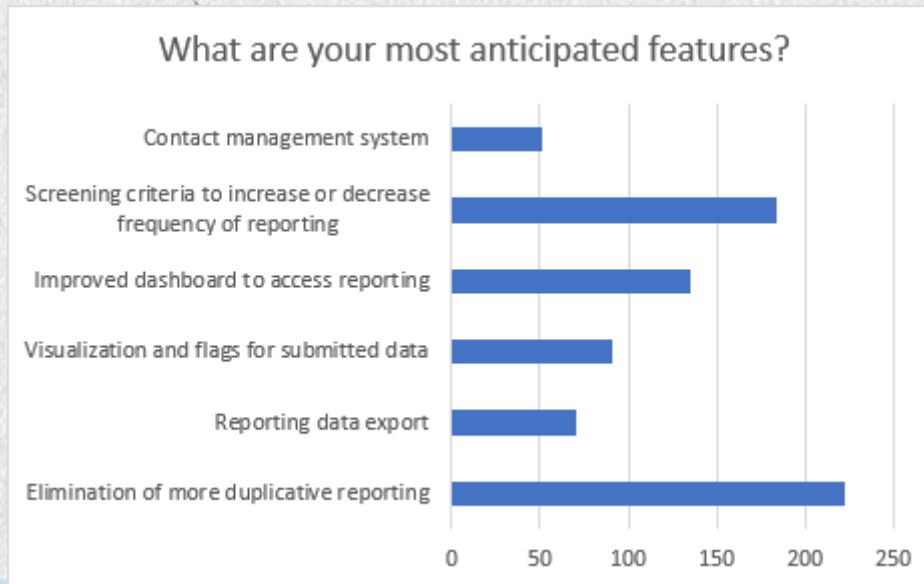
## Next Steps

- Two-year bill – watching for now



# Drought and Conservation Reporting

- State Water Board
- DRINC portal is supposed to be closed by August 1<sup>st</sup>
- Continue monthly conservation reporting through SAFER
- Workshop about new reporting on July 13<sup>th</sup>
- More workshops in future – split policy and general use





REGISTER  
TODAY!

# INTRODUCING THE 1ST ANNUAL WATER EFFICIENCY & CONSERVATION SYMPOSIUM

AUGUST 2-3, 2023 | CHICAGO, IL

A dynamic event bringing together water efficiency and conservation professionals from across the country for two days of engaging sessions, hands-on learning, and networking opportunities. Join us August 1st for a pre-Symposium workshop and social outing.

[WWW.ALLIANCEFORWATEREFFICIENCY.ORG/MEMBERS/2023SYMPOSIUM](https://www.allianceforwaterefficiency.org/members/2023symposium)

Register here:

<https://www.allianceforwaterefficiency.org/members/2023symposium/registration>





# 2023 FALL PLENARY

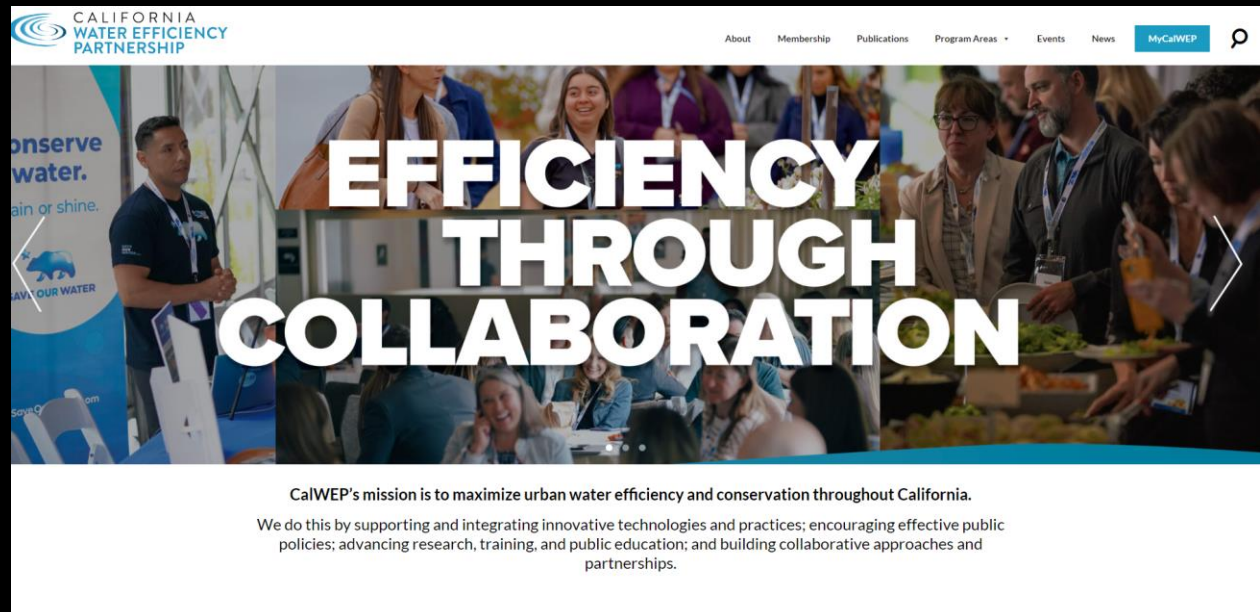
LOCATION : SIERRA 2 CENTER - CURTIS HALL  
SACRAMENTO, CA

DATE : AUGUST 31, 2023 10:00 AM - JULY 31, 2023 3:00 PM

[MORE INFO](#)

RWA is hosting!

New Website!



The screenshot shows the homepage of the California Water Efficiency Partnership website. At the top is the organization's logo and a navigation menu with links for About, Membership, Publications, Program Areas, Events, News, and a MyCalWEP button. The main visual is a large banner with the text "EFFICIENCY THROUGH COLLABORATION" overlaid on a collage of photos showing people at a conference. Below the banner, a mission statement is displayed.

CALIFORNIA  
WATER EFFICIENCY  
PARTNERSHIP

About Membership Publications Program Areas Events News MyCalWEP

EFFICIENCY  
THROUGH  
COLLABORATION

CalWEP's mission is to maximize urban water efficiency and conservation throughout California. We do this by supporting and integrating innovative technologies and practices; encouraging effective public policies; advancing research, training, and public education; and building collaborative approaches and partnerships.

# UC Davis Bee Haven



- Summer Tour
- Posted on BWS
- Plant lists for year-round bee food
- Resources
- [www.bewatersmart.info/residential-resources/](http://www.bewatersmart.info/residential-resources/)





# *A Walk* ON THE DELTA

WEDNESDAY  
October 11, 2023

10AM - 1PM  
LUNCH PROVIDED

## A SOD TOUR EVENT

Learn about New Industry Certifications for our Pescue-Bluegrass Sod  
Tour our Production Fields of California Natives and Kurapia Groundcover Sod  
See a Harvesting Demonstration

📍 DELTA BLUEGRASS CO. GROWING GROUNDS  
111 N. ZUCKERMAN ROAD, STOCKTON

YOU MUST RSVP FOR THIS EVENT:

CONTACT MONICA GARCIA  
[mgarcia@rwah2o.org](mailto:mgarcia@rwah2o.org)

Limited  
to 20  
folks

# BE WATER SMART **WE MOVED!**

- RWA office moved! 2295 Gateway Oaks Drive, Sacramento
- Conference room for public outreach meetings
- Travel for RWEPAAC meetings
- Plenty of Parking
- Phone numbers same





BE WATER SMART

# Water Taste Test Results



...And the 2023 winner is...

City of  
Sacramento



BeWaterSmart.info

BE WATER SMART

## 2023 RWEPAAC Meetings

Date
<del>January 10, 2023</del>
<del>March 14, 2023</del>
<del>May 9, 2023 @ RWA</del>
<del>July 26, 2023 @ UC Davis SMARTLandscape</del>
September 12, 2023 @ Sacramento
November 9, 2023 @ TBD
December 5, 2023 – Holiday Social

**Holiday Social:** @ The Old Spaghetti Factory, Rancho Cordova, 11:30 am – 2:00 pm. All water efficiency staff are invited.



Networking Luncheons	Location
April 11 <sup>th</sup>	El Tapatio ✓
June 21 <sup>st</sup>	Tres Hermanos ✓
October 10th	Canceled due to Delta Bluegrass Tour



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# Retirement Soiree for Don Smith

- Red Bus Brewing Company
- Folsom
- August 17th
- Starts at 4:30 pm
- This is not an RWA sponsored event





# Announcements & Events