

RWEPAC September 13, 2022

WELCOME Introductions

- Name
- Organization
- Favorite Toilet?



BE WATER SMART

- July 2022 Meeting Notes
- Toilet Saturation Study Kick Off Presentation
- Regional Outreach Campaign Update/Grant Funding
- Water Loss Regulation
- Upcoming RFPs Direct Install and Outdoor Study
- Agency Announcements/Adjournment
- Lunch @ 11:30



BE WATER SMART Meeting Notes

- July 2022
- Approve and post online?





BE WATER SMART Toilet Saturation Study

- Budget: \$100,000
- Regional study: all WEP participants
- Focus on SF and MF residential
- Toilets, yes!
- Option for agencies to provide local funding for more
- August 2022 study start, Wrap up by summer/fall 2023
- What we want to know
 - What remaining potential is there
 - Sunset/ramp up programs
- Take it away, Tom!!!



Regional Water Authority Residential Toilet Saturation Study

A & N Technical Services, Inc. 839 Second Street Suite 5 Encinitas, CA 92024 www.antechserv.com

Maureen Erbeznik & Assoc.

Weber's Water Conservation

Sept. 13, 2022

Kickoff Meeting Outline

- Introductions The Team
- Proposed Approach
 - Finalizing the work plan, milestones, and timeline
- Results:
 - Proposed Toilet Saturation Tables
 - Recommendations for Program Redesign
 - Next Steps Audience Participation Time



REGIONAL WATER EFFICIENCY PROGR

California American Water Carmichael Water District Citrus Heights Water District City of Folsom City of Lincoin City of Roseville City of Sacramento City of West Sacramento Del Paso Manor Water District El Dorado Irrigation District Elk Grove Water District Fair Oaks Water District Golden State Water Company Orangevale Water Company

Placer County Water Agency Rancho Murieta Community Service District Sacramento County Water Agency Sacramento Suburban Water District San Juan Water District

Water Smart Tips and Services. BeWaterSmart.info or call us at 888-WTR-TIPS (888-987-8477)

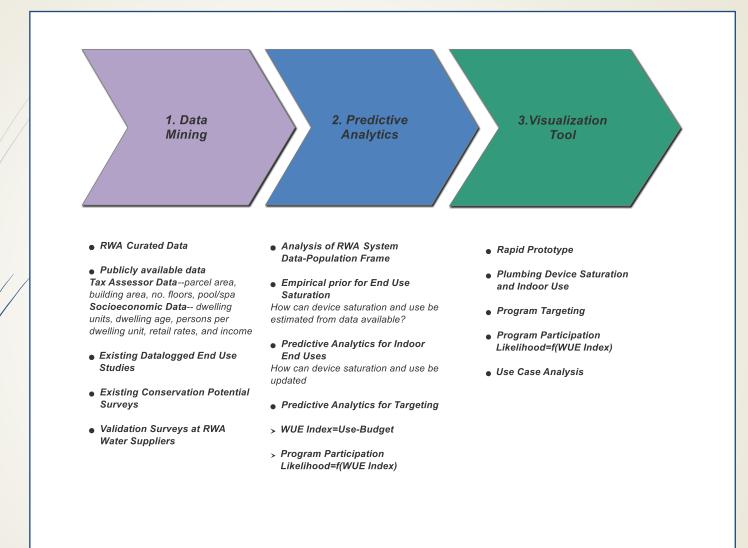
The Team

Tom Chesnutt, PhD, PStat[®], CAP[®] 32 Years Experience Project Lead **Predictive Analytics** David Pekelney, PhD **30 Years Experience** Descriptive Analytics, GIS Dana Holt, MS 30 Years Experience **Reports Coordinator** Maureen Erbeznik **29 Years Experience** Program Design John Weber/Renee Lyn Piper **17 Years Experience** Field Work



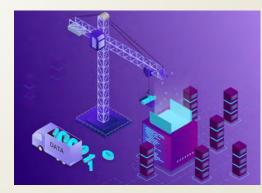
Scope of Work

- 1. Assessment Study Design and Implementation
 - 1) Toilet Survey
 - 2) Current High Efficiency Toilet Survey
 - 3) Remaining Non-High Efficiency Toilets
 - 4) RWA Supplier Maps
- 2. Saturation Summary Report
- Meetings with RWA and Suppliers



Data Mining

- RWA is providing
 - Past RWA indoor direct installation program data for multifamily properties
 - RWA toilet rebate local supplier participation data for 2003-2021
 - Water rate information for all RWA suppliers
 - Energy intensity (million gallons/kWh) estimates
 - Regional average and individual supplier intensity data
- Publicly available data Tax Assessor, Socioeconomic
- Existing Datalogged End Use
- Existing Conservation Potential Surveys
- Validation Surveys—Field work! Weber's Water Conservation



Predictive Analytics

- 1) Toilet survey (total # inventory of toilets)
- 2) High Efficiency Toilet (HET) survey (a subset)
 - 2a) WaterSense provides the definition of efficient toilets at 1.28 gpf or less
 - 2b) estimate "natural" replacement rate
 AND replacement rate with incentives
 - 2c) account for socioeconomic factors
 - 3) Estimate remaining non-HET toilets



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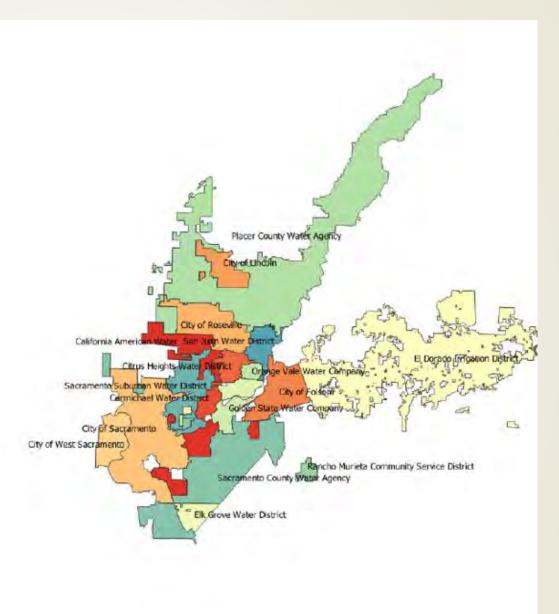
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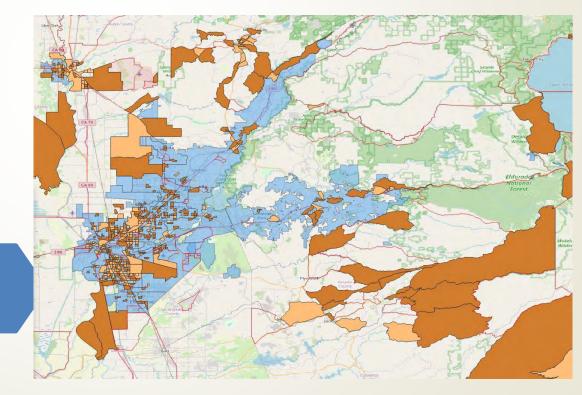
Visualization

- Maps for each Supplier
- Stepping stone toward future interactive visualization tool



Disadvantaged Communities (DAC) Breakouts

Identification of DAC for potential Grant Funding!



What you will receive: Proposed Toilet Saturation Tables

Proposed RWA Toilet Saturation Tables

Single Family Toilets

Multi-Family Toilets

		Single Fami	ly Toilets	M	ulti-Family	Toilets
	RWA Member	Total Efficient	Inefficient	Total	Efficient	Inefficient
1	California American Water					
2	Carmichael Water District					
3	Citrus Heights Water District					
4	City of Folsom					
5	City of Lincoln					
6	City of Roseville					
7	City of Sacramento					
8	City of West Sacramento					
9	Del Paso Manor Water District					
10	El Dorado Irrigation District					
11	Elk Grove Water District					
12	Fair Oaks Water District					
13	Golden State Water Company					
14	Orange Vale Water Company					
15	Placer County Water Agency					
16	Rancho Murieta Community Services District					
17	Sacramento County Water Agency					
18	Sacramento Suburban Water District					
19	San Juan Water District					

Recommendations for Program Redesign

Based on estimated Toilet Saturation data, how should further programs be sculpted?

- New Program Concepts
 - Ensure incentive level is sufficient to drive activity
 - Build awareness through community-based outreach, customer targeting, and user-driven marketing tactics
 - Market through in-store promotions
 - Provide direct installation for multi-family properties and install toilet leak detection technology along with toilet replacements
 - Offer AquaMizer toilet retrofit and leak prevention technology
 - Partner with SMUD/PG&E to offer toilets through low-income assistance programs
- Recommended phase out of less successful Programs

The Plan

A & N Technical Services, Inc.

SCHEDULE--RWA Indoor Saturation Study

		Aι	ıg			Se	р		(Oct		Nov			Dec		ec	Jan				Feb				Mar			Apr			May		y	June				July				Aug			
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Saturation Summary Draft Report																																															
Saturation Summary Report in Electronic Format																																															
Meetings with RWA and Suppliers																																															
RWA Meetings																																															
Supplier Meetings																																															

Next Steps

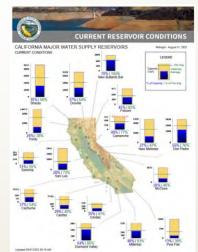
Besides Project Team Work (Data and Analytics)...

- Web Customer Survey This project needs help in getting a customer survey distributed to your customers. RWA provides a short link to a customer web survey that you can embed:
 - Ongoing customer engagement—newsletters, email, Customer Bill Inserts, Web link, postcard targeting.
- We are eliciting RWA member participation in toilet saturation field work? Got Questions? Need Answers?

Questions and Answers







PROJECT TITLE: Residential Toil	et Saturation	PROJECT MIL	ESTONES		PROJECT BUDGET
design and implement a high-level regional toilets (1.28 gallons per flush or less). The p inform decisions for active conservation pro	grams. This process will speed up the natural	Pre-Planning Start	0	8/26/2022 Start	\$100,000
replacement rate of inefficient toilets in RW. water suppliers' service areas.	A	Milestone 1:	1	9/13/2022 (Kickoff)	
Scope Statement: 1. Assessment Study Design and Implemer 1) Toilet Survey 2) Current High Efficiency Toilet S 3) Remaining Non-High Efficiency	urvey				
4) RWA Supplier Maps 2. Saturation Summary Report Meetings with RWA and Suppliers		Milestone 2:	2	12/16/2022 Preliminary Results	
<i>Project Risks:</i>RWA Member Participation	Key Deliverables: Task 1 – Saturation Tables and Maps				
External Disruption	Task 2 – Summary Report Supplier Meetings	Milestone 3:	3	4/3/2023 Draft Report	
PROJECT OWNERSHIP	SYSTEM SUPPORT	Milestone 4:	4	5/30/2023	PROJECT EVALUATION
 Project Sponsor: Regional Water Autority Project Manager: Thomas Chesnutt, tom@antechserv.com 	 Consultant Lead: Dr. Tom Chesnutt, Lead Dr. David Pekelney, Modeling Lead Dana Holt, IS Implementation Team 	Milestone 4:		Supplier Meetings	 Milestones Met Timely Deliverable Public Engagement & Support Utilization of Deliverable. Provides Action Items for
Stakeholders: • RWA - Internal • RWA Members • Customers	 John Weber – Validation Surveys Maureen Erbeznik, Program Desing Initial Data Needs Participation data 	Project End:		7/312023 (Project Complete)	Short and Long-term ImplementationPromotes Sustainability and Innovation
	Existing GIS Records				

ARE YOU **DROUGHT TOUGH?**

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



Learn to be Drought Tough like Maurice at BeWaterSmart.info

ARE YOU Drought Tough?

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



Be like Sarah and learn to be Drought Tough at BeWaterSmart.info

ARE YOU DROUGHT TOUGH?

Be a team player and turn off your sprinklers this winter. Your yard shouldn't need any extra water during the cooler off-season.



- Reducing lawn watering by 2 minutes while continuing to water trees.
- Checking soil moisture before turning on sprinklers.
- Watering plants early in the morning to reduce evaporation



BE WATER SMART Other Grant Funding

- \$200,000 reimbursement back from DWR for previous grants retention
- Spend in calendar year 2023
- Potential Plan:
 - Fall Drought Media Buy Extension \$55,000
 - School Education Program Revamp -\$20,000
 - WEP BWS Website Revamp \$25,000
 - Consulting Services \$10,000
 - Spring Turf Transition Outreach Campaign \$40,000
 - CII DIM supplemental funding \$50,000
 - Rachio regional program?
 - Moisture meters?



Extended Media Buy – OK to approve?

Media Outlet	# of Spots	Dates	Net Reach	Frequency	Impressions	Cost
Bonneville Radio: KYMX- FM, KNCI-FM, KZZO-FM	548	9/19 – 10/30	718,200	3.2	2,332,200	\$16,998
Cap Radio: KXJZ-FM and KXPR-FM	180	9/26 – 10/30	232,300	3.3	764,000	\$12,100
Cap Radio Digital	125,000	9/26 – 10/30	N/A	N/A	125,000	\$2,125
KXTV-TV / Monica Woods Tips and Ads	50	9/26 – 10/30	340,021	3.0	1,001,000	\$9,000
Premion Streaming	250,000	9/26 - 10/30	N/A	N/A	250,000	\$9,000
KSCO-TV Telemundo 33	64	9/26 – 10/30	24,203	11.6	76,800	\$2,600
Peacock Streaming – Spanish Language	57,292	9/26 – 10/30	N/A	N/A	57,292	\$2,406
TOTAL	433,134				4,606,292	\$ <mark>54,229</mark>

BE WATER SMART

School Education Recommendation

- Current: Water Spots- Do your part to be water smart
- Current Budget: \$15,000
- Talked with:
 - Blueblossom Consulting
 - Bussing to MOSAC
 - ZunZun \$850/assembly
 - STEMhero
- New: Develop curriculum in partnership with MOSAC
 - Ready by next summer
- School Education Committee back together?
- MOSAC \$5,000/year for 2 more years



BE WATER SMART Water Loss Regulation

- CHECK YOUR TARGETS!
- 2nd formal rulemaking period comments due 19th @noon
- Better but not great
- BCR<1, small systems and multiple targets
- Reporting starts 2024, compliance in 2028
- Board vote for approval expected this fall
- Comment letter drafts RWA and Coalition



BE WATER SMART Outdoor Study RFP

- Measure CII dedicated irrigation accounts landscape area
 in line with 606/1668 requirements
- 14 agencies with about 22,000 accounts
- Some basic location information matched with accounts
- EMAIL ME YOUR SPECIFIC # of DIM ACCOUNTS if you are interested in this project by 9/21
- Release RFP September 26th
- Need review panel volunteers
- Project timeline January 2023 summer 2023



BE WATER SMART Indoor Direct Installation Program RFP

- Urban and Multibenefit Drought Relief Grant funding
- Multifamily and CII, DACs
- Toilets, urinals, showerheads, & aerators
- \$500,000 budget
- 2 years
- Release RFP September 26th (if DWR contract signed)
- Need review panel volunteers
- Project timeline January 2023-January 2025



BE WATER SMART CII High Water User Rebates

- Targets high water use commercial sectors
- Customer proposes upgrades to RWA, RWA hires contractor (MWM) to evaluate savings and provides estimated rebate amount to customer for approval
- Flyer ready!
- Interested parties: West Sac business, CA brewery organization.

FREE WATER EFFICIENCY EQUIPMENT While Saving Water and Money Professional Installation Included

The Regional Water Authority (RWA) is pleased to offer this first-come, first-served rebate program for free Indoor water efficient equipment for your business with professional installation included. Eligible businesses include commercial laundry, food and beverage, science/research and brewery facilities. The program's goal is to reduce water and energy use.



EACH ELIGIBLE PROPERTY \$15,000 IN INDOOR WATER WILL RECEIVE UP TO \$15,000 EFFICIENT EQUIPMENT

Potential upgrades include:

High-efficiency clothes washers
 High-efficiency faucets
 Sterilization equipment

Flushing and bottling equipment
 Cooling tower equipment
 And more!!!





HAVE AN IDEA IN MIND ALREADY?

Great! Business needs are diverse. We are counting on you to tell us what you need to save water. Share your idea with us to see if it is eligible for funding.

HOW DOES THE PROGRAM WORK?

The program replaces existing indoor equipment your business already has with a more water efficient version to save water and energy and we pay for it. Both labor and equipment are eligible.

IS THERE A DEADLINE TO PARTICIPATE?

The program is first-come first-served until funding is gone. All projects must be completed and installed by September 2023.

GEOGRAPHIC AREA

Businesses must be are located within the RWA-member area in Sacramento, Placer and El Dorado counties plus the City of West Sacramento.

INTERESTED??? QUESTIONS????

For more information and to verify eligibility, please contact Chris Perry at rwacilprogram@gmail.com or 916-967-7653.

BE WATER SMART WEP Reserve Policy - APPROVED

- Original
- \$150,000 for grant floating
- \$100,000 for program
- All amounts indexed to inflation

- Revised
- \$150,000 for grant floating
- \$50,000 for drought/redesign
 \$50,000 for drought/redesign
 - 17% of WEP budget (\$100,000)
 - No indexing for inflation

Approval Process: RWEPAC PAC – RWEPAC - RWA Staff – RWA Executive Committee – RWA Board



BE WATER SMART Rachio Controller Program

- Regional transition to local programs
 - CWD, SJWD and Folsom
 - Using Prop 1 rebate funding to reimburse costs
 - 2,300 controller sent out so far
 - <u>https://rwa.rachio.com/</u>
- Online direct delivery to customer
- Customer pays \$75, supplier pays \$100
- Less/no cost share option available now
- Contact Amy or Danielle if interested

Danielle Cumming | Senior Manager of Utility danielle@rachio.com

rachio.com





BE WATER SMART

1157 - New Legislation for Indoor Regulation

- Indoor GPCD standards will be 47 in 2025 and 42 in 2030.
 - Past was 52.5 in 2025 and 50 in 2030
- Requires DWR to quantify economic benefits and impacts of the new standards, including with end use saturation studies. Additionally, it requires DWR to consider other regional and statewide studies.
- Allows for a delay in the implementation of the 2030 standard if there are undue impacts on affordability
- Provides for additional variances that are based not just on things that increase use (as is in existing law) but have other system impacts.
- Veto support letter sent
- Governor to sign by September 30th



BE WATER SMART 2022 RWEPAC Meetings

Date

January 11, 2022

March 8, 2022

Iviay 10, 2022

July 12, 2022

September 13, 2022

November 8, 2022

December 13, 2022

January 10, 2023



Announcements & Events