



# WATERREUSE

CENTRAL VALLEY/SIERRA FOOTHILLS Chapter Newsletter

OCTOBER 2015

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## NEXT MEETING

Thursday, October 22nd  
9:00-11:00 AM

## LOCATION:

Sacramento Regional  
County Sanitation District

## Free Extraction Well Water

### *A Valuable Resource for the Community*

With the devastating drought showing no signs of stopping and recent State mandates for water conservation, the City of Fresno is looking at other sources of water that can replace potable water for non-potable uses. Although the City is in the process of implementing the adopted Recycled Water Master Plan and Recycled Water Ordinance, we cannot count on it as an available resource yet. In answering the public's need for other water sources for non-potable uses, the City has developed the "Extraction Well Water Fill Station" pilot program to provide free groundwater from the Fresno-Clovis Regional Wastewater Reclamation Facility to City of Fresno and Clovis customers. Extraction Well Water is water percolated from disposal ponds

where treated wastewater is placed. The soil provides additional filtration treatment resulting in good quality water that is safe for non-potable uses such as dust control, irrigation of landscapes and gardens, washing vehicles, and hard surfaces such as pathways and windows.

Residential customers may collect up to 300 gallons at a time while commercial customers may collect 300 gallons or more per load; residential and commercial customers may return as often as they like. All containers and tanks are inspected to ensure they are labeled with the words "Non Potable Water/Do Not Drink". The Wastewater Management Division has received 130 residential applications and 13 commercial applications over the last month.



Residential Fill Station



Residential Fill Station

## WHAT'S YOUR NUMBER?

by Debbie Burris, DDB Engineering

On April 1, 2015, Governor Jerry Brown imposed the first ever water restrictions in California, prompted by the Sierra snowpack at just 5% of the normal level. Executive Order B-29-15 required that the State Water Resources Control Board (SWRCB) impose restrictions to achieve a statewide 25% reduction in potable urban water use. Water use reductions are based on the amount of water used in 2013. The Order requires the Department of Water Resources to provide assistance for replacement of lawns with drought-tolerant landscaping. The Order included eight measures for saving water and eight requirements for increasing enforcement against wasting water. It also provides for investment in new technologies to manage water and for expedited government actions for drought relief.

On May 5, 2015, the SWRCB adopted an emergency regulation implementing the mandatory water reductions and assigning each of California's 411 urban water suppliers a tier water reduction percentage.

The regulation became effective on May 15, 2015. The nine tiers mandate water use reductions ranging from 4% to 36%. The SWRCB set reduction tiers based on historical reductions in water use per region. Below is a summary of the water conservation/reduction percentages along with recent residential per capita per day water use for water agencies in San Diego County.

On May 11, 2015, California Water Environmental Association (CWEA) teamed up with WaterReuse California to present a one-day drought summit in Sacramento. The summit called, "Reinventing Urban Water; Portable Reuse", explored potable reuse and recycled water as new sources of water for the State as well as discussing the opportunities and regulatory hurdles they face.

Locally, water agencies are doing their part to educate the public on the State's emergency protocols. Agencies are offering outreach events to educate the public as well as rebate programs

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## President's Letter

Dear Central Valley/Sierra Foothills Chapter Members:

The water reuse arena has been quite dynamic throughout the state as a result of the significant drought conditions we have been facing over the last 3 years. The drought had serious impacts also in our region.



The Central Valley/Sierra Foothills chapter is fulfilling an important role to assist the state to find feasible and expedited solutions to overcome this most significant challenge. I sincerely thank all of our members for their activities to promote and expedite recycled water projects with significant efforts required in public outreach, permitting, financing, planning, and construction. We will continue our quarterly local chapter meetings and newsletters to keep our members up to date on important

regulations, plans, policies, reuse applications and technologies.

We encourage you all to share with us your suggestions, questions, or concerns on how we can further improve our chapter activities to support water reuse in our region and the state.

Our chapter has grown significantly since its establishment in 2010. We now have 297 members from a number of organizations including local governments and state agencies, consultants, faculty, and professional associations. I am looking forward to seeing you at our next Chapter meeting on October 22, 2015 at our regular meeting location (Regional San office at 10060 Goethe Road, Sacramento). During the meeting, we will also hold elections for the executive board member positions. Please let us know if you are interested in volunteering for one of the executive or other committee positions.

Best Regards,

**Onder Caliskaner, Ph.D., P.E.**  
Chapter President

## WHAT'S YOUR NUMBER? *Continued from page 1*

Sacramento County Water Supplier	Residential Use Jul-Sep 2014 (GPCD)	Tier	Conservation / Reduction Standard
<b>Water Districts</b>			
California American Water Company	107.8	5	20%
Carmichael Water District	242.5	9	36%
Citrus Heights Water District	201.4	8	32%
El Dorado Irrigation District	166.2	7	28%
Elk Grove Water Service	145.3	7	28%
Fair Oaks Water District	274.1	9	36%
Fruitridge Vista Water Company	238.3	9	36%
Orange Vale Water Company	332.3	9	36%
Rio Linda Water District	278.1	9	36%
Sacramento County Water Agency	172.1	8	32%
Sacramento Suburban Water District	181.9	8	32%
San Juan Water District	476.9	9	36%
<b>City Water Departments</b>			
City of Folsom	213.7	8	32%
City of Galt	207.2	8	32%
City of Roseville	145.1	7	28%
City of Sacramento	146.4	7	28%

Source: SWRCB Supplier Tiers dated 4/18/15. [www.waterboards.ca.gov/water\\_issues/programs/conservation\\_portal/emergency\\_regulation.shtml](http://www.waterboards.ca.gov/water_issues/programs/conservation_portal/emergency_regulation.shtml)

to upgrade old wasteful household appliances. Some agencies have implemented tiered water rates to discourage heavy water users while other agencies are proposing fines to moderate excess water use. San Diego County water agencies understand the severity of the situation and are doing what is necessary to reduce water use in order to meet the State's mandatory water reduction.

So, what's your number? That seems to be the question on everyone's mind these days. Friends and neighbors are sharing water conservation tips in an effort to save water and meet the targets. How will you save water?

## Tribute to Vickie Caulfield

Vickie Caulfield served as the secretary to the Central Valley/Sierra Foothills chapter of WateReuse California from 2010 until 2015. She died unexpectedly from cancer on March 31, 2015. Vickie was a key founding member of the chapter and was a real catalyst in developing and expanding the scope of the chapter activities.



Vickie brought the operator's and user's perspective to water reuse. Her team from El Dorado Irrigation District (EID) participated in many of the chapter activities, particularly the field trips to water recycling facilities. Vickie also taught courses on wastewater treatment and water recycling at the Folsom Lake College El Dorado Center in Placerville and mentored many aspiring water recycling professionals. Her energy and enthusiasm for her work inspired many and she will be dearly missed.





## OUR MEMBERS

### AECOM

Allied Engineers, Inc  
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Brown and Caldwell  
California Department of Public Health  
California Department of Water Resources  
California Golf Course Association  
California Regional Water Quality Control Board  
California State Water Resources Control Board  
California Water Institute  
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MCC Control Systems  
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Psomas  
Rancho Murieta Community Services District  
RBF Consulting  
RMC Water and Environment  
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Sacramento County  
Sacramento County Environmental Management Dept.  
Sacramento County Water Agency  
Sacramento Regional County Sanitation District  
Serrano El Dorado Owner's Association  
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Stantec  
TRG & Associates  
University of California, Davis  
URS Corporation  
Wastewater Solutions, Inc.  
West Yost Associates



## CHAPTER OFFICERS

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Vickie Caulfield  
EL DORADO IRRIGATION  
DISTRICT

### Chapter Trustee

Ron Crites  
BROWN CALDWELL

### Past President

Nicola Fontaine  
CAROLLO ENGINEERS

## GOT NEWS?

We're always looking for interesting stories and informational articles to keep our members up to speed on all that's happening in water reuse and reclamation. If you would like to contribute an article or have other ideas about this newsletter, please email Sherri Miller ([smiller@dudek.com](mailto:smiller@dudek.com))

**WaterReuse Association** [www.watereuse.org/sections/california/valley-foothills](http://www.watereuse.org/sections/california/valley-foothills)

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