



WATERREUSE

CENTRAL VALLEY
SIERRA FOOTHILLS

Chapter Newsletter

MAY 2017

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NEXT MEETING

July 20, 2017
9:00am-11:00am

LOCATION:

SASD/Regional San Office
Building

Highlights of the 2017 WaterReuse California Conference

by Ron Crites, Brown and Caldwell



CALIFORNIA ANNUAL CONFERENCE

RECYCLED WATER...
FROM EVOLUTION TO REVOLUTION

March 19 - 21, 2017

Westin San Diego Hotel
San Diego, CA

Over 600 people attended the Annual Conference of WaterReuse California in San Diego from March 19-21, 2017. This record attendance was treated to a beer-tasting contest at the Sunday evening reception in which 14 craft beers were tasted, all being brewed with pure recycled water. Stone Brewing's Full Circle Pale Ale, whose key component — water — came from an advanced filtration system that recycles and purifies San Diego wastewater that had previously been used in taps, toilets and showers was there for tasting throughout the conference.

Potable reuse was therefore a major topic of the conference. Potable reuse planning was discussed for San Diego, Padre Dam, Los Angeles, Orange County, Soquel Creek, and Santa Clara Valley Water District. Irvine Ranch described their 70th conversion of an office building to recycled water for toilet and urinal flushing.

The 2015 statewide reuse survey showed a preliminary increase of 5.5 percent over the 2009 totals. The impact of water conservation during the drought on available recycled water was significant. The impact of projects funded by Proposition 1 was estimated to increase future totals by 168,000 acre-ft/year.

The WaterReuse 2017 Conference was held at the beautiful Emerald Plaza Westin Hotel in downtown San Diego



OTHER
UPCOMING
EVENTS
May-June

MAY 2017

WATERREUSE CALIFORNIA BOARD MEETING

MAY 19 @ 9:30am-12:00pm

Video hosted by Kennedy/Jenks Rancho Cordova and Irvine Office

JUNE 2017

CALIFORNIA AND BEYOND – NEXT STEPS IN ADVANCING POTABLE REUSE (WEBCAST)

JUNE 8 @ 11:00am-12:15pm PDT

WRCA LEGISLATIVE AND REGULATORY COMMITTEE MEETING @ MWD OFFICES

JUNE 9 @ 12:30-2:30pm and JUNE 30 @ 12:30-2:30pm

Recycled Water Fill Stations continue to help businesses and residents conserve potable water during California's multiple year drought. Here's two examples of how fill stations are changing people's minds about recycled water...

Regional San Operates a Recycled Water Fill Station

Regional San continues to do its part in the area of water conservation. In September 2015, Regional San opened a Recycled Water Fill Station at the Sacramento Regional Wastewater Treatment Plant in Elk Grove.

Residential and commercial customers can obtain environmentally responsible and safe recycled water to irrigate lawns, gardens, and landscaping or for dust control or other permitted uses within Regional San's service area. The station features several connection bays for residential users to fill approved containers and a connection for commercial tanker trucks. Participation requires completion of an application and a brief training.

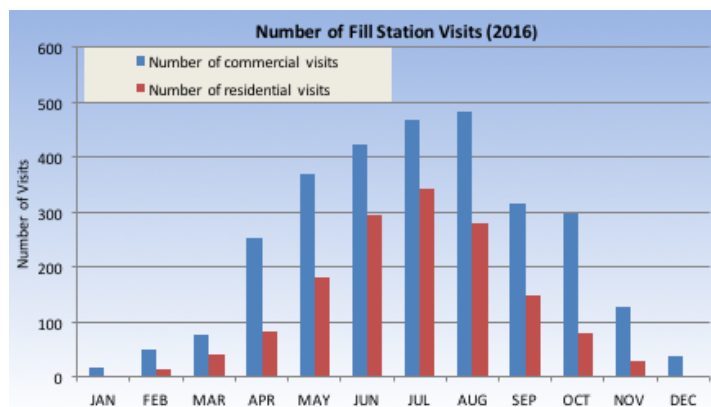
In 2016, Regional San staff trained 16 customers, received 74 application requests, and distributed more than 16,000 gallons of recycled water. The station opened in May and closed in mid-October. It will open again in spring 2017. If you or somebody you know is interested in obtaining free recycled water, call 916-876-FILL or sign up [online](#). To find out about other water recycling programs, visit Regional San's [website](#).



City of Fresno's Fill Station Program

In answering the public's need for other water sources that can replace potable water for non-potable uses, the City of Fresno began the "Extraction Well Water Fill Station" program in July 2015 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.

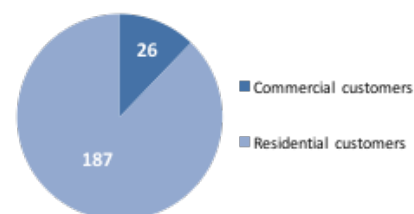
Residential customers may collect up to 300 gallons at a time while commercial customers may collect 300 gallons or more per load; customers may return as often as they like. All containers and tanks are inspected to ensure they are labeled with the words "Non Potable Water/Do Not Drink."



15 million gallons:

The program-to-date amount of extraction well water delivered for non-potable uses such as dust control, irrigation of landscapes and gardens, washing vehicles, and hard surfaces such as pathways and windows.

Number of Fill Station Customers



Legislative Update

by Toni Pezzetti, DWR

There is a lot going on in the recycled water legislative and regulatory world, so let's get right to it.

PROPOSED LEGISLATION

Several bills considering recycled water issues have been proposed in the California Legislature. A few of the more prominent bills include:

- **AB 574 (Quirk)** – Introduces new definitions of potable reuse into the California Water Code. These include Groundwater Augmentation, Reservoir Water Augmentation, Raw Water Augmentation, and Treated Water Augmentation. Additionally, a deadline of December 31, 2021 is identified for adoption of uniform water recycling criteria for potable reuse through raw water augmentation. Currently referred to Environmental Safety and Toxic Materials Committee (on the April 4 agenda).
- **AB 869 (Rubio)** – Would exclude recycled water use from calculation of any urban water use target or reduction in urban per capita water use and would include recycled water supplied for nonpotable uses in the recycled water definition. Currently referred to the Water, Parks and Wildlife (no scheduled hearing).
- **SB 740 (Weiner)** – Would require the SWRCB to adopt by December 1, 2018 regulations for a comprehensive risk-based framework to assist local in developing a program for the oversight and management of nonpotable water, including graywater, rainwater, stormwater, blackwater, condensate, and foundation drainage. Currently referred to Environmental Quality Committee (on the April 5 agenda).

RECYCLED WATER POLICY

The Recycled Water Policy is being revised by the State Water Resources Control Board's Division of Water Quality (DWQ) as directed by the December 6, 2016 Resolution (http://www.waterboards.ca.gov/board_info/agendas/2016/dec/120616_9.pdf). Over the next year, focus group sessions will be held and the Science Advisory Panel reconvened, leading up to the planned March 2018 release of the draft update to the Recycled Water Policy. DWQ will be considering several issues, such as incorporating into Title 22 additional recycled water uses such as dust control and frost protection, research project funding, and revised goals and mandates. If you are interested in receiving Lyris email updates on actions pertaining to the Recycled Water Policy, submit a request at http://www.waterboards.ca.gov/resources/email_subscriptions/swrcb_subscribe.shtml (under Water Quality, select Recycled Water Policy/General

Permit for Landscape Irrigation).

SURFACE WATER AUGMENTATION

The draft rules for surface water augmentation are expected to be released for the 45-day public comment period late in the second quarter of 2017.

DIRECT POTABLE REUSE

The State Water Resources Control Board's Division of Drinking Water (DDW) is in the process of developing its plan to develop regulations for the implementation of Direct Potable Reuse. DDW is proposing to concurrently implement projects in the research areas identified by the Expert Panel and develop draft regulations. The Report to the Legislature (December 2016), which includes the Expert Panel and Advisory Committee reports, can be accessed at http://www.waterboards.ca.gov/drinking_water/certlic/drinkingwater/rw_dpr_criteria.shtml.

PLUMBING CODE

Amendments to the California Plumbing Code are being proposed by the Department of Water Resources (DWR, which has statutory authority over the recycled water portion of the plumbing code and is required to periodically update these regulations, as necessary). These amendments were developed in response to:

- Reorganization of the California Plumbing Code moving recycled water subject matter to Chapter 15
- Passage of AB2282 which required the Department of Housing and Community Development (HCD) and California Building Standards Commission (CBSC) to research and adopt mandatory building standards for installation of recycled water systems for newly constructed single- and multi-family residential, commercial, and public buildings
- Necessity to link relevant regulations in Titles 17 and 22

DWR, HCD, and CBSC developed in consultation with DDW the proposed amendments for commercial and public buildings (the mandate to require dual plumbing in residential buildings has been tabled) and the other bulleted issues identified above.

The public comment period on proposed changes to the 2016 Intervening Code Cycle to the California Plumbing Code is open until May 1. If you are interested in reviewing the proposed changes and providing comments, they can be accessed at:

<http://bsc.ca.gov/Rulemaking/adoptcycle/2016InterveningCodeAdoptionCycle/2016PublicCommentPeriods/GREENPEME45-DayPublicCommentPeriod.aspx>.



CENTRAL VALLEY/SIERRA FOOTHILLS CHAPTER MEMBERS

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Amador Water Agency
Bachand & Associates
Bennett Engineering
Binder & Associates Consulting, Inc.
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California American Water
California Department of Public Health
California Department of Water Resources
California Golf Course Association
California Regional Water Quality Control Board
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Carlton Engineering
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CASA
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Delta Diablo Sanitation District
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Dudek
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East Niles Community Serv Dist
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ESA
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Geological Technics, Inc.
GHD
Global Infrastructure & Water, Inc.
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Grundfos Pumps
Hatch Mott MacDonald
HDR, Inc.
Heullitt Enterprises
Hilmar Cheese Co.
HydroScience Engineers, Inc.
Ironhouse Sanitary District
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Kennedy/Jenks Consultants
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Larry Walker Associates, Inc.
Lee & Ro, Inc.
Malaga County Water District
Mazzei Injector Co
MCC Control Systems
Murphys Sanitary District
MWH-Stantec
Nalco
Nolte and Associates, Inc
North of River Municipal Water District
North of River Sanitary District No. 1
Northstar Engineering Group, Inc.
Nossaman
NSD
Oscar Larson & Associates
Parker Development Company
Parsons Brinckerhoff

PBS&J

Provost & Prichard Engineering Group,
Psomas
Quad Knopf, Inc.
Rancho Murieta Community Services District
RBF Consulting
RMC Water and Environment
Robertson-Bryan, Inc.
Sacramento Area Sewer District
Sacramento County Environmental Management
Department
Sacramento County Water Agency
Sacramento Regional County Sanitation District
San Leandro Water Poll Control Plant
SCRCA
Serrano El Dorado Owner's Association
Somach, Simmons & Dunn
Stantec
The Cuube, LLC
TRG & Associates
U.S. Filter
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University of California, Merced
URS Corporation
USDA NRCES
Veolia Water North Am. Operating Serv.
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Water Technology Center, Grundfos
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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. Email articles or ideas to Sherri Miller at smiller@dudek.com.

WaterReuse Association: <https://watereuse.org/sections/watereuse-california/chapters/central-valleysierra-foothills-chapter/>

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