

# LOS ANGELES CHAPTER WATER REUSE CALIFORNIA

## Chapter Newsletter

OCTOBER 2014

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### NEXT MEETING

Hosted by the City of Los Angeles  
Tuesday, October 14th  
11:30 A.M.-1:30 P.M.

### LOCATION:

Hyperion Treatment Plant  
Environmental Learning  
Center  
12000 Vista Del Mar  
Los Angeles, CA 90293

Lunch sponsored by:  
CH2M HILL

## Los Angeles To Host 2015 State WaterReuse Conference

**We are proud to announce that the 2015 WaterReuse California Annual Conference is coming to Los Angeles! Finally, after a 10 year hiatus, the conference is returning to the City of Angels.**

As the region with the largest production and use of recycled water in California, this is our time to shine! But this can't be done without your help. Let's work together to make this conference the best it's ever been.

You can help by volunteering to assist with planning the conference, submitting an abstract and encouraging others to submit, submitting award nominations, encouraging colleagues to attend, and volunteering at the conference. And for you shy ones, if you have an idea for the conference that you'd like to share, just email your trusty conference co-chairs, Monica Gasca and Raymond Jay...we'll gladly take them.

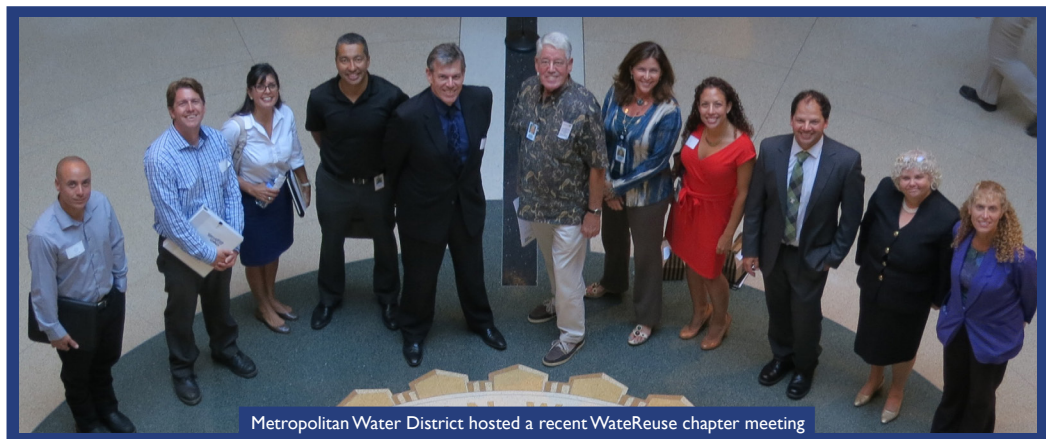
The Los Angeles area is full of amazing recycled water projects, research, programs, and concepts. Let's take this opportunity to highlight them and show off our incredible work. If you know of a topic that would be perfect to be presented at the conference, submit an abstract, and if it's not your project, encourage your colleague to submit an abstract.

Let's try to beat the other chapters with the most abstracts submitted and accepted at the conference, because who doesn't like a little friendly competition? Abstracts for presentations at the 2015 WaterReuse California Annual Conference are now being accepted. Be sure to get them in by the October 10, 2014 due date. And as an added bonus, conference registration discounts will be provided for all presenters!

For more information or questions contact Monica Gasca.



Millennium Biltmore Hotel  
Downtown Los Angeles | March 15-17, 2015



Metropolitan Water District hosted a recent WaterReuse chapter meeting

## President's Column

Our Chapter's mission has always been to facilitate the safe and beneficial use of recycled water in Los Angeles and throughout the state. The mission has never been as important as it is today when over 80 percent of California is in a severe drought with no foreseeable end in sight.

The Governor expanded on the Emergency Drought Declaration with Emergency Drought legislation and \$687 million of funding to enhance water conservation, increase local water supply reliability, and expand the use and distribution of recycled water. The legislation also directed state agencies to take additional actions to adopt new groundwater replenishment regulations to allow for the use of recycled water and storm water capture for increasing water supply availability and other actions to promote water recycling and water conservation.



The legislature recently sent new mandatory recycled water building standards and sustainable groundwater management legislation to the Governor for his approval. These actions have reduced or diminished several long standing barriers to expanding recycled water beneficial uses in California. We now have additional funding opportunities, updated statewide groundwater replenishment reuse regulations, a new statewide recycled water general permit for non-potable use, and clearer state agency implementation directives than in recent memory. We need to take this opportunity to educate our local communities, expand our partnerships, and install additional recycled water facilities and infrastructure to offset potable water demand.

I look forward to working with all of you to secure funding to expand the safe use of recycled water.

– Raymond Jay, President

## Spotlight: Central Basin Municipal Water District



Central Basin Municipal Water District (CBMWD) was established in 1952 by the people's vote to mitigate overpumping of the underground water resources in southeast Los Angeles County. District founders realized they needed to curtail the use of relatively inexpensive yet diminishing local groundwater by providing the region with imported water. In 1954, Central Basin became a member agency of MWD, an agency which provides the region with imported water. The five Central Basin Directors appoint two representatives to the 37-member MWD Board of

Directors; CBMWD is one of the largest member agencies of the MWD.

CBMWD developed a regional water recycling program in response to increasing demands for water, limitations on imported water supplies and the threat of drought. The program is comprised of two distribution systems – the E. Thornton Ibbetson Century Water Recycling Project and the Esteban Torres Rio Hondo Water Recycling Project – as well as three pumping stations. The Ibbetson Project and Torres Project are interconnected by

an intricate 70-mile distribution system and operate as one recycled water supply system. The combined projects are referred to as the "Central Basin Water Recycling Project."

This Project annually delivers 5,000 acre-feet of recycled water to more than 200 industrial, landscape and irrigation sites throughout southeast Los Angeles County. CBMWD obtains recycled water from the San Jose Creek Water Reclamation Plant in Whittier and the Los Coyotes Water Reclamation Plant in Cerritos. Owned and operated by the Sanitation Districts of





**Earle Hartling**  
is the Water  
Recycling  
Coordinator for  
the Sanitation  
Districts of Los  
Angeles County, and has been  
involved with water reuse for  
33 years and counting. He ain't  
getting any younger, so ask your  
questions before it's too late!



## Ask the Guru

**Question:** If Title 22 tertiary-treated recycled water is approved for full-body contact, why do we recommend people wash their hands after contact?

- Clean Freak

**Dear Freak,**

In short, best management practice and proper hygiene. Our recommendation for hand washing is generally directed toward reuse site workers who are handling the recycled water pipes, valves, and other appurtenances on a daily and extended basis. During our Site Supervisor Training classes, we instruct them to wash their hands after working with recycled water in the field and before they sit down to have lunch.

We do this for two reasons: 1) working out in the field can expose their hands to other sources of contamination besides the recycled water, which can be transferred to their food and then ingested, and 2) the use of fairly clean recycled water (available out in the field) is specifically NOT approved for use for personal hygiene. Potable water is. They should be doing this even if the irrigation system they were working on was supplied with drinking water. We just don't want people with poor hygiene habits getting sick and blaming it on the recycled water.

As far as "full-body contact" with tertiary-treated recycled water goes, yes, it is approved for the general public in Title 22. But you're still going to want to shower with potable water when you're done, regardless of the water source. Think back to those long-ago summer days when, as a kid, you spent all day splashing around in the public swimming pool. The water that filled that pool originally was drinking water and is approved for full-body contact, but you'd certainly want to take a shower after THAT.

*Central Basin continued from pg. 2*



Los Angeles County, these two reclamation plants produce effluent that meets the most stringent requirements for water recycling as contained in Title 22 of the California Administrative Code.

Recently CBMWD completed the Southeast Water Reliability Project (SWRP). This project will

reduce imported water by 25% by delivering more than 5 billion gallons of recycled water annually. SWRP consists of a 4 -mile long pipeline that will extend from Pico Rivera through Montebello.

As part of SWRP, the District also constructed the Pico Rivera Recycled Water Project on Mines Avenue in the City of Pico Rivera. The pipeline, which was constructed in partnership with the Los Angeles County Department of Public Works and the City of Pico Rivera, is now part of a larger water conduit that is moving storm water and recycled water through separate channels between the San Gabriel River and Rio Hondo Spreading Grounds.

Just under two miles in length, the Pico Rivera Recycled Water Project provides valuable recycled water to irrigate the green spaces along the perimeter of the two spreading grounds. Recycled water will also be provided to schools, parks, and other irrigation sites in the City of Pico Rivera.

By supplying recycled water to commercial, industrial and landscape irrigation offsets drinking water use and is an important component in CBMWD's conservation plan which will support the regional achievement of statewide water conservation targets for the year 2020.

## Bloopers



Hose bibbs on recycled water systems are not allowed in areas with public access so that people can't use them for drinking. To allow site workers the ability to use hoses in areas where recycled water is being supplied, quick couplers are installed on the irrigation system. In the photo, a hose is connected to a recycled water quick coupler (notice the purple valve box). However, this site's operator poured cement into the valve box, effectively turning the quick coupler into a hose bibb.



## CALL FOR ABSTRACTS

### 2015 WaterReuse California Annual Conference

### Student Poster Competition



**Abstract Deadline:**  
**November 7, 2014**

The California Section of the WaterReuse Association is accepting poster presentation abstracts for the inaugural Student Poster Competition to be held at the 2015 WaterReuse California Annual Conference, March 15-17 at the Millennium Biltmore Hotel in downtown Los Angeles, CA.

Students should submit an abstract on-line at <http://www.watereuse.org/conferences/california-annual> by **November 7, 2014**.

Authors will be notified by **December 12, 2014** if their abstract has been selected. Selected applicants are to submit PDF copies of their posters by **February 6, 2015**.

Students will receive a free one-day conference registration to present their poster.

#### University Research Abstract Subject Areas:

- ◆ Brine Management & Treatment
- ◆ Climate Change and Drought Solutions
- ◆ Economics & Financing
- ◆ Energy Efficiency
- ◆ Environmental Enhancement
- ◆ Industrial Reuse
- ◆ Innovative Recycled Water Uses
- ◆ Innovative Treatment & Technologies
- ◆ Planning and Program Issues
- ◆ Potable Reuse (Indirect or Direct)
- ◆ Public Outreach & Education
- ◆ Regulatory, Policy & Legal Issues
- ◆ Salinity and Nutrient Management
- ◆ Water Quality & Emerging Health Issues

#### For additional information contact:

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<http://www.watereuse.org/conferences/california>



## OUR MEMBERS

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Valencia Water Company  
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Walnut Valley Water District  
Water Replenishment District of Southern California  
WateReuse California  
West Basin Municipal Water District



## CHAPTER OFFICERS

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**Monica Gasca, Trustee to WateReuse**  
**California Sanitation Districts of Los Angeles County**  
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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 Matthew Elsner ([melsner@ci.burbank.ca.us](mailto:melsner@ci.burbank.ca.us)) or Shelah Riggs ([sriggs@dudek.com](mailto:sriggs@dudek.com))

**WateReuse Association:** [www.watereuse.org/sections/california/losangeles](http://www.watereuse.org/sections/california/losangeles)

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