

Los Angeles Chapter of the WaterReuse Association
MEETING SUMMARY



Location: Long Beach Water Department
Long Beach Ground Water Treatment Plant

Address: 2950 Redondo Avenue
Long Beach, CA 90808

Purpose: Bi-Monthly Meeting

Date and Time: August 13, 2013 from 11:30 a.m. – 1:30 p.m.

Distribution: Los Angeles WaterReuse Association Chapter Members

Lunch: Sponsored by CDM Smith

Below is a summary of highlights from the August member meeting of the LA Chapter of the WaterReuse Association.

1) Lunch sponsor presentation: Groundwater Reliability Improvement Project (Eric Smith/CDM Smith, Jim McDavid/WRD)

Jim McDavid described WRD's Water Independence Now (WIN) Program. By increasing the use of local water supplies for groundwater replenishment, WRD expects to be able to eliminate the use of imported water for replenishment within 5 years. Proposed amendments to the groundwater adjudication judgments moving forward. If approved by the courts, they would allow storage of 500K AF in the Central and West Coast Basins, equivalent to ½ of MWD's Diamond Valley Lake imported water storage reservoir.

On July 1, WRD secured their 50K acre-feet per year (AFY) contract for recycled water with LACSD.

Jim described the following projects that would increase WRD's use of both stormwater and recycled water:

- Rio Hondo/San Gabriel River Spreading Grounds Interconnection pipeline was completed in 2012, enhancing the utilization of the both spreading basins for increased infiltration of both stormwater and recycled water.
- Whittier Narrows Conservation Pool – WRD is working with USACE to increase the size of the storage pool behind the dam by increasing the operating level.
- Injection into the three seawater intrusion barriers, i.e., the West Coast Basin Barrier Project and Dominguez Gap Barrier Project in the West Coast Basin and the Alamitos Gap Barrier Project in the Central Basin, also serve as groundwater replenishment.
- The Phase V expansion of the Edward C. Little Water Reclamation Facility is due to come online any day and will provide additional Full Advanced Treated water to the West Coast Basin Barrier Project for 100% recycled water contribution (RWC).
- The expansion of the Leo J. Vander Lans Advanced Water Treatment Facility (LVL AWTF) will provide 100% RWC to the Alamitos Gap Barrier Project. The expansion will



include microfiltration followed by dissolved air flotation and brine treatment with third stage reverse osmosis to enhance membrane recovery.

- The Groundwater Reliability Improvement Program, GRIP is the cornerstone of the WIN program. It will replace 21,000 AFY of imported water with recycled water. Construction is expected to begin by end of 2016.

When asked whether WRD has modeled the effects of increased sea level on the aquifers and seawater intrusion barriers, Jim responded that they have not yet done this type of analysis.

Jim's presentation can be found on the LA Chapter WaterReuse website.*

2) Venue host presentation: Recycled Water System Overview (Rachel Davis)

Rachel Davis provided an overview of LBWD's recycled water system. Recycled water will make up 8% of their water supply portfolio in 2013. LBWD has 93-94 recycled water sites online throughout Long Beach, primarily the THUMS oil drilling operation and parks. The LVL AWTF expansion will double the amount provided from LA County Sanitation Districts' Long Beach Water Reclamation Plant.

Spurred by a city employee suggestion box idea, LBWD has installed 16 recycled water filling stations, with appropriate signage and locking caps, where street sweepers and sewer vehicles can get water for street washing and other uses. These are only available to public works staff. They are not metered but rather self reported as it is too expensive to install meters on each (~\$2K). Initial results are that it is hard to use the filling stations in the field. Staff are reticent to go out of their way to find a filling station when there's a nearby fire hydrant. Sewer cleaning trucks do start their day, though, filling their trucks with recycled water. Trucks are dual piped with air gaps. Limited access is part of the use permit; those with access are trained. Use totals about 2-3 AFY.

There was considerable discussion about various aspects of LBWD's program and installations. Someone noted that there seemed to be different shades of purple on the pipe and cap for the filling stations, but it was attributed to the color fading over time. There have not been problems with tampering, possibly because the filling stations are located in parks (where there are recycled water lines available) near sidewalks, but not where people congregate. These location selections were coordinated with street sweeper routes.

It was noted that the City of LA has a similar program, but most of the filling stations are located below grade, although they are starting to retrofit sites above grade. First users retrofitted a 2,000 gallon water truck to control dust at his corrals. Use of the large tank truck saves money on the 4 mile round-trip to the filling station by taking less time.

It was suggested that there could be an opportunity for Burbank Water and Power to provide recycled water to the LA Equestrian Center for dust control as they currently use a lot of potable water. LADWP just recently approved bringing recycled water to the Betty Davis Center near the Equestrian Center, so this opportunity is on LADWP's radar in addition to potentially serving private horse properties.



Joe Walters mentioned that Inglewood began using recycled water for street sweeping and sewer cleaning 10 yrs ago, but then started having trouble with truck valves and pumps due to the corrosivity of the high TDS recycled water.

Someone noted that East Bay Municipal Utility District gives the water away. It was also noted that every LADWP customer will have their trucks inspected by LA County DPH, and metered.

A question was asked regarding the need for site supervisor training for use at short-term construction sites. Earle Hartling noted that agencies can offer training themselves.

Rachel's presentation can be found on the LA Chapter WateReuse website.*

3) Legislative/Regulatory Updates (Raymond Jay)

Anyone interested in taking over the tracking and reporting of Legislative/Regulatory issues should contact Raymond or any of the other Board members.

Raymond noted that all bills need to be approved by the legislature by September 13 and signed or vetoed by Governor by October 13th. He provided the following key regulations related to recycled water use:

- *AB803 Water Recycling Act of 2013* – Sponsored by WateReuse – has received broad support in the Legislature. The use of hose bibs at cemeteries requires tertiary-treated recycled water, signage, and inspection. John Robinson noted that LA County DPH will require that the threads be cut.
- *AB322 Water Recycling* – Sponsored by the San Diego County Water Authority and the City of San Diego. Getting strong legislative support so far. NWRI was removed as the sole entity allowed to administer the expert panel, although they are still available as an option, along with any public university or research institution.
- *AB1200 Recycled Water Agricultural* – Regarding recycled water stored in impoundments – wet weather could result in overflows – will test upstream/ downstream water quality to lead to future policy that would expand the use of recycled water.
- *AB145 SWRCB: Drinking Water Program* – A coalition letter capturing opposition from agencies was submitted that suggests that issues of concern be addressed directly, e.g. tackle the slow SRF funding to rural communities rather than move the whole function from CDPH to the State Water Resources Control Board (SWRCB). The bill may be held in the suspense file or moved on. The Governor intends to move this function to the SWRCB and provide more staff, etc. There is concern about this move. Raymond noted that CDPH plans to double up on the amount of DWSRF money released this year.
- *2014 Water Bond* – There is concern about the size of the bond and it may be revised since it's not likely to pass as proposed. Legislature is looking at reducing the Bond from \$11B to \$7-8B. Will have better idea about what's happening with it in the next 2 weeks or so.

To prepare for 2014 recycled water legislation, Raymond asked for legislation suggestions. Proposals are due by September 6, 2013 if using ACWA's legislative proposal process.

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WateReuse will discuss new legislation at its next board meeting. Metropolitan is considering submitting a proposal for a CEQA exemption for recycled water pipelines < 8 miles long within an existing roadway.

Raymond's presentation can be found on the LA Chapter WateReuse website.*

4) Los Angeles County Department of Public Health Update (Dan Bacadi)

Dan Bacadi provided some examples of cross-connection nightmares:

- LA County DPH received a call regarding groundwater contamination at UCLA – apparently there had been a sewage leak for last 3 years resulting in severe soil erosion under a building.
- LACDPW needed to isolate sewage spill from a gym; the plumbers connected the sewer system to storm drain system.
- The Lynwood Regional Detention Facility women's jail fire system was leaking and an isolation valve was fixed. They had used up their onsite storage and started pulling in MWD water.

5) State Section Update (Monica Gasca)

- Annual WateReuse National Conference to be held September 15-16 in Denver. Registration fee is \$650 until August 30.
- Conference on AWT technologies on October 18 at OCWD. Registration fee is \$175.
- Direct Potable Reuse Specialty Conference, November 7-8 in Newport Beach. Registration fee is \$425 before September 27.
- Industrial Reuse Conference, December 9-10 in Long Beach. Registration information not yet available.
- The WateReuse Association and the WateReuse Research Foundation are two arms of same organization. They are considering a reorganization, possibly combining the two. A decision is on hold while they sort out structure, membership fees, etc.
- WateReuse Association Executive Director Wade Miller announced his resignation in August with an effective date in March 2014. WateReuse is currently seeking a replacement.
- Monica encouraged the membership to pass along any concerns they might have to her to bring to the Trustees meetings.

6) Chapter Updates

- a. June Chapter Meeting Notes – Approved.
- b. Chapter Newsletter Update (Matt Elsner) – Next newsletter in progress.
- c. Annual Report (Judi Miller) –The membership was requested to review last year's Annual Report and provide any suggestions that would make it a more useful document. Comments due 8/31.



- d. Member Survey (Judi Miller) – A Survey Monkey 10-question survey will be going out to the membership to seek feedback/input on the LA Chapter activities. Responses are due 9/13.

7) Focus Areas

a. *Groundwater Replenishment Reuse Regulation (Judi Miller):*

Another draft version of the regulation, dated June 26, 2013, was posted to the SWRCB website:

<http://www.cdph.ca.gov/healthinfo/environhealth/water/Pages/Waterrecycling.aspx>

This is not yet the proposed rule that would initiate the formal rulemaking process. The State Board is expecting to issue that in 2014.

b. *Funding Opportunities (John Robinson):*

John attended the CA Financing Coordinating Committee (CFCC) infrastructure funding fair. He provided the handouts after the meeting. One of the CFCC members, IBank, focuses on job creation, both temporary and permanent. They'll help you prepare the application. The SWRCB has consolidated funding application for multiple sources into one application. He also mentioned that MWD issued an Innovative Conservation Program RFP with USBR, SNWA, and the Central AZ Project regarding conservation - \$450K - max. \$50K per appl. non-mandatory pre-proposal mtg. next week. RFP is posted on www.BeWaterWise.com.

Raymond mentioned that MWD has a water savings incentive program for projects that don't fit other rebate programs.

The State Board has approximately \$4 million of funding available through the 2014 CWA 319(h) - Non Point Source grant program.

He also noted that Reclamation has not heard strong support for Title XVI funding from local Congressmen. Agencies that are seeking Title XVI funding should make sure representatives know and actively support for these projects.

John's handouts from the CFCC funding fair can be found on the LA Chapter WaterReuse website.*

8) Other Topics

a. *Industrial Use Committee (Kraig Erickson):*

- Next meeting is September 17, as part of a national symposium
- The first Industrial Reuse Conference will be held here in Southern CA (12/9-10, Long Beach); Elise Goldman/WBMWD is co-chair. They'll need sponsors, etc.
- Industrial customer representatives are being sought for a meeting with Congress.

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b. *Firefighting with Recycled Water and Revisions to LACRWAC Recycled Water Users Manual (Earle Hartling):*

- All information has been collected and both documents are complete and undergoing internal (LACSD) review.
- Draft documents will next be submitted to both working groups for review.

9) Membership Roundtable - Projects, Regulatory Issues, Financing, etc. (Kraig Erickson)

Kraig Erickson posed a question regarding the required separations between recycled water and sewage lines. They are trying to minimize jack and bore for two 8-inch pipelines. CDPH has specific distance requirements.

Reymundo Trejo noted that he gets calls from cities asking about the role of onsite recycled water (mostly gray water) with respect to stormwater NPDES requirements.

Requirements vary for simple systems vs. complex systems. Regulatory authority lies with LA County DPH or LA County Flood Control District.

10) Next Meetings

- October 8, 2013 - Host: Castaic Lake Water Agency; Sponsor: TBD
- December 3, 2013 - Host: TBD Sponsor: Carollo Engineers
- February 11, 2014 - Host: TBD; Sponsor: TBD

Reymundo offered Upper San Gabriel Valley MWD offices for a future meeting venue.

Los Angeles Chapter Officers for 2013

Raymond Jay, President	213-217-5777	rjay@mwdh2o.com
Kraig Erickson, Vice President	805-550-5232	kerickson@rmcwater.com
Judi Miller, Secretary/Treasurer	213-228-8236	judi.miller@ch2m.com
Monica Gasca, Chapter Trustee	562-908-4288 x2838	mgasca@lacsds.org
John Robinson, Past-President	626-375-9389	jrobinson@johnrobinsonconsulting.com

If you would like to receive future Los Angeles Chapter meeting announcements or be removed from the Chapter Roster please contact Judi Miller.

* The presentations from this August, 2013 meeting can be found at:
<http://www.watereuse.org/sections/california/losangeles/meetings>



Meeting Attendees

Member	Organization
Albert Perez	Los Angeles Dept. of Water and Power
Anita Matlock	Rain Bird Corp.
Asif Sheikh	Burbank Water and Power
Bertha Ruiz-Hoffmann	Los Angeles County Dept. of Parks and Recreation
Bose Dafeta	City of Los Angeles/Bureau of Sanitation
Bryan Trussell	Trussell Technologies
Cathy Chang	Water Replenishment District of So. Cal.
Charles Guel	Los Angeles Dept. of Water and Power
Chris Pincherli	Long Beach Water Dept.
Dan Bacani	Los Angeles County Dept. of Public Health
Donald Cresse	Los Angeles Dept. of Water and Power
Dusty Moasio	Rowland Water District
Earle Hartling	Sanitation Districts of Los Angeles County
Elise Goldman	West Basin MWD
Elizabeth Sobczak	Castaic Lake Water Agency
Eric Smith	CDM Smith
Fred Gerringer	Trussell Technologies
Inge Wiersema	Carollo Engineers
Jason Yim	Castaic Lake Water Agency
Jennifer Rojas	Long Beach Water Dept.
Jim Smith	Los Angeles County Dept. of Parks and Recreation
Jocelyn Carrillo	Los Angeles/Bureau of Sanitation
John Lockett	Los Angeles Dept. of Water and Power
John Robinson	John Robinson Consulting, Inc.
Kerry McCorkle	Los Angeles Dept. of Water and Power
Kirk Allen	Los Angeles County Dept. of Public Works
Kraig Erickson	RMC Water and Environment
Margo Lateano	Los Angeles Dept. of Water and Power
Monica Gasca	Sanitation Districts of Los Angeles County
Quang Ly	Los Angeles County Dept. of Public Health
Rachel Davis	Long Beach Water Dept.
Raymond Jay	Metropolitan Water District of So. Calif.
Reymundo Trejo	Upper San Gabriel Valley MWD
Robert Bueras	Los Angeles County Dept. of Public Health
Robert Reid	Stantec
Rosalba Santana	Los Angeles Dept. of Water and Power
Seth Carr	Los Angeles/Bureau of Sanitation
Shadi Bader	Burbank Water and Power
Shahnawaz Ahmad	SA Associates
Sharona Sokolow	UCLA
Shieva Taat	Los Angeles/Bureau of Sanitation
Albert Perez	Los Angeles Dept. of Water and Power
Anita Matlock	Rain Bird Corp.

TOTAL ATTENDEES: 43