

Los Angeles Chapter of the WaterReuse Association MEETING SUMMARY



Location: Walnut Valley Water District
Address: 271 Brea Canyon Road, Walnut CA, 91789-3049
Purpose: Bi-Monthly Meeting
Date and Time: June 9, 2015 from 11:30 a.m. – 1:30 p.m.
Distribution: Los Angeles WaterReuse Association Chapter Members

Lunch: Sponsored by Kennedy Jenks

Below is a summary of highlights from the June, bimonthly member meeting of the LA Chapter of the WaterReuse Association.

1) **Sponsor presentation:** From North to South—California’s Response and Action during the Drought (*Dawn Taffler*)

- Statewide Drought not letting up: North and South, we’re all in this together
- State’s robust response to the drought
 - 2014
 - Drought emergency declared, \$800M in <1% SWRCB SRF loans, first DPR panel, WRRDA (federal bill) signed into law, Shift from CDPH to DDW, Proposition 1, Prop 84: Drought Relief, DWR: Updated Report
 - 2015
 - SWRCB looking to Senior Delta water rights holders, Gov. signs \$1B Emergency Drought Package, Gov. directs first ever state wide mandatory water restrictions, SWRCB Prop 1 Chapter 9 Guidelines for funding
- DPR momentum
 - SB 918 – DDW to investigate and report to legislature on the feasibility of developing Direct Potable Reuse criteria by Dec 31, 2016
 - California Direct Potable Reuse Initiative raised \$13.6 million (donation and in-kind)
 - 34 DPR Research Projects have been funded at \$5.8 million
 - NWRI DPR Expert Panel– 5 meetings
 - DPR Advisory Group – 5 meetings
- IPR momentum
 - 200 TAF of permitted GWRR (groundwater recharge)
 - 210 TAF planned GWRR
 - 100 TAF planned SWA (surface water augmentation)
 - Public Support is shown in the news
- Nor Cal Chapter meeting topics
 - Unconventional treatment technologies
 - Future of potable reuse
 - Non-typical reuse

- Drought response
- Customer perspectives
- Public outreach
- Energy and water management
- Vision for 2015

Welcome Dawn to the LA Chapter!

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

2) Venue host presentation: Walnut Valley Water District's Recycled Water System (Tom Monk)

- About the District
 - 113,236 served (population)
 - 17,900 acres served (area)
 - 7.5 billion gallons in annual water deliveries
 - 20.6 million gallons average daily water use
 - 207 gallons average gpcd (daily per capita use)
 - Active recycled water and conservation program portfolio
- Potable water system
 - 100% dependent on MWD/imported water for potable needs
 - 29 reservoirs, 89 million gallons of water storage
 - 16 pump stations, 37 pressure regulating systems
 - 376 miles of water mains
- Recycled water system
 - 537 million gallons average annual delivery
 - 3 reservoirs, 5.2 million gallons of water storage
 - 5 wells with 2,000 gpm combined capacity
 - 32 miles of pipe
 - 300 metered service connections
- New Industry Business Center
 - 600 acre project
 - New 2 MG above ground reservoir, with 2500 gpm booster pump capacity
 - Existing potable irrigation service conversions to recycled water
- Visit their website at www.wvwd.com

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

3) Water Recycling Legislative/Regulatory Updates (Raymond Jay)

Here are the important remaining legislative dates for 2015:

- June 5 – Last day for bills to pass house of origin
- September 11 – Last day for any bill to pass the legislature

- October 11 – Last day for the Governor to sign or veto bills passed by the legislature

The last WaterReuse California Legislative & Regulatory Committee meeting was on 4/4/15

- Prop 1 Q&A with SWRCB
- See slides

Proposed California Legislation

- AB 606 – Requires state agencies to conserve water on their own sites and to look into incorporating recycled water for irrigation. **PASSED INTO THE SENATE, DEADLINE GENERAL SERVICES**
- AB 725 – Seeks to prevent unnecessarily wasting recycled water from a basin used to capture runoff during a storm event. **PULLED BY AUTHOR. ON HOLD – SHOULD BE ADDRESSED IN UPCOMING SWCRB POLICY**
- AB 888 – Wants to ensure plastic microbeads can be treated by wastewater treatment plants to avoid them from being discharged to the environment. **PASSED INTO THE SENATE.**
- AB 954 – Creates Water and Wastewater project loans for individual homeowners
- AB 957 – Proposes to increase Prop 1 funding for water recycling and advanced technology project to \$725M. **DID NOT MAKE IT OUT OF HOUSE OF ORIGIN.**
- AB 1463 – Would establish requirements for onsite recycled water (gray water, stormwater, other sources treated onsite). Gray water or stormwater would need to be treated onsite to Title 22 standards. This is expected to be a 2-yr bill. **SWRCB BUILDING STANDARDS PUT CRITERIA IN PLACE FOR ONSITE RECYCLED WATER, DEALING SPECIFICALLY WITH TREATMENT REQUIREMENTS AND PERCEPTION ISSUES (IS IT MUNICIPAL RECYCLED WATER OR IS IT ONSITE RECYCLED WATER?)**
- SB 47 – Requires studying the health impacts that might be caused by potential cancer-causing agents in synthetic turf, which is made from recycled tires. If passed, agencies would be prevented from installing synthetic turf until the study is completed in 2018. **NOT MOVING FORWARD.**
- SB 385 – Provides additional time for utilities to determine how to meet the new chromium 6 regulation. This bill has a lot of support in the legislature. **MOVING FORWARD**
- AB 585 & 603 – Approves tax credits for outdoor landscape improvements and lawn replacement, respectively. **DID NOT MAKE THROUGH HOUSE OF ORIGIN**
- AB 1173 – Requires local agencies to have a certification process for backflow prevention testing. **PASSED OUT OF HOUSE OF ORIGIN**

Governor's Drought Emergency

- First mandatory restriction in California history
- Require 25% mandatory urban use reduction, based on 2013 usage
 - Actual restriction ranges from 20 to 35% depending on historic water usage.
- Conservation specifically exempts recycled water from reductions.
- No lawn watering for 48 hours after rainfall; 2 days per week maximum
- California's landscape ordinance was updated.

Title 17 and 22 changes

- DDW has reviewed proposed Title 22 changes
 - Asked for prioritized list of requested changes
 - The subcommittee identified priorities for revisions
 - Subcommittee will prepare a more detailed justification for the items that were prioritized
 - DDW has concerns about removing 4-year testing requirements and methods for dual-plumbed buildings
 - Request SWRCB to consider changes and DDW may pursue simultaneously with IPR changes
 - DDW is open to stakeholder involvement

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

4) Regulatory Agency Update:

Los Angeles County Department of Public Health (*Carlos Borja*)

- AB 1463 still needs considerable help regarding definitions of types of water.
- Still pursuing reinstatement of approvals for cross-over assemblies (swivel el) with the State DDW
- Truck retrofits and street sweepers- approved usage but concerned with hoses used on both domestic water services and recycled water services
- Fill stations- DPH concern is how it will be used but encourages participation.
 - "How" rather than "if" we can approve these projects
 - Permit holder will have to do site visits
- LA County Sanitation District sent 2-page guidelines to the chapter membership
- Special permits for pressure washing?
 - It is an approved usage, but timing of the activity will need to be addressed
 - Santa Monica has been using recycled water for pressure washing (need to research)

State Water Resources Control Board – Department of Drinking Water (*Dmitriy Ginzburg*)

- Presented proposed work flow for recycled water projects and the working relationship between the Recycled Water Unit (RWU) and the local DDW District Offices
 - Technical Assistance:
 - There is no change to the current process.
 - The RWU will continue to serve as the recycled water technical experts (answer questions, provide guidance, and assist in technical issues for the local District Offices and Head Quarters).
 - More difficult issues will be discussed with the Recycled Water Committee (RWC).
 - Alternative Treatment Technologies:
 - There is no change to the current process.
 - Alternative treatment technologies are submitted to the RWU for review and conditional acceptance.
 - The RWU also coordinates a review by the RWC.

- Non-Potable Reuse Projects:
 - There is no change to the current process.
 - New non-potable reuse projects are submitted to the local District Offices for review.
 - The local District Offices will continue to be the leads on these projects.
 - The local District Office may request assistance from the RWU due to local workload or technical issues.

- Potable Reuse Projects:
 - This is a new process.
 - The RWU will serve as the lead on all potable reuse projects.
 - All new projects will be submitted to the RWU.
 - A dedicated RWU staff will be assigned to each project.
 - The local DDW District Offices will assist the dedicated RWU staff on project deadline development and tracking, project-specific inter-relations for the area and how the recycled water project relates with other systems in the local district, review and provide comments to project documents, conduct and update sanitary surveys of DDW permitted facilities related to the potable reuse project, etc.

5) California State Section Update (Monica Gasca)

- National Symposium takes place in Seattle September 13-16
 - Early bird registration ends July 17

6) Chapter Updates

- April 2015 meeting notes approved by unanimous voice vote.

7) Focus Areas

- Funding Opportunities (*Jon Robinson*)
 - See the handout prepared by John Robinson and distributed at this meeting.
 - \$5M left in the Metropolitan Water District On site Retrofit Pilot Program
 - For permitted projects right next to the pipeline
 - State funding
 - California Financing Coordinating Committee (CFCC)
 - Meeting to go over eligible project
 - July 8, 2015 at LA County Public Works, Alhambra
 - See handout for more details
 - Division of Financial Assistance (DFA)
 - \$131M of the \$625M will be allocated this year
 - 50% low interest loans

- 50% grants administered through the Water Recycling Funding Program
- Federal funding- unusual deadline June 25, 2015 needed to encumber funds by September 30, 2015

John's handout can be found on the LA Chapter WaterReuse website.*

8) Other Topics

- Industrial Reuse Committee (*Elise Goldman*)
 - Attended the "Economic Power of Water" conference hosted by GE/Wharton School of Business
 - White paper can be downloaded at <http://www.gewater.com/misc/waterreuse.html>

9) Presentation on Recycled Water Retrofits (Kraig Erickson)

- Need someone pushing for the project
- Come up with a plan
- Most common issues
 - Permitting
 - Shutdown
 - Available infrastructure
 - O&M
- Common Irrigation issues/concerns
 - Park overspray, drinking fountains
 - Mow strips/physical barrier typical for HOAs
 - Water quality esp. for golf courses
 - Crossing boundaries
 - Distance from monitoring wells
 - Interactive school gardens
 - Ball fields, infield potable quick couplers
 - Identification of site supervisor
- Common Industrial Uses and issues/concerns
 - Worker safety (Legionella, specific to cooling towers)
 - Consistency of water quality
 - Retrofit costs including chemical treatment
 - Reliability
 - Additional regulatory oversight
 - Specific types of equipment/processes
 - Cooling towers
 - Impacts of ammonia on heat exchange units
 - Sewer discharge volume and quality
 - Boilers
 - Scale build up and corrosion
 - High vs Low pressure conditions

- Higher pressure = higher quality water
- Textiles
 - Whiteness
 - Public Perception
 - Impacts on existing operations

10) Membership Roundtable

- LA County Parks, Golf Courses
 - Are there any plans to bring more recycled water to LA County Parks?
 - LA County representative to send LA County Park Master Plan to LAWRA chapter for distribution

Next meeting at Malibu City Hall, August 11, 2015

Los Angeles Chapter Officers for 2015

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@lacs.d.org
John Robinson, Past-President	626-375-9389	jrobinson@johnrobinsonconsulting.com

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

Meeting Attendees

Member	Organization
Abraham Razon	Los Angeles/Bureau of Sanitation
Anson Pira	City of LA IWMD
Bertha Ruiz-Hoffmann	Los Angeles County Dept. of Parks and Recreation
Brian Folsom	Castaic Lake Water Agency
Bruce Lazenby	Rose Hills Memorial Park
Carlos Borja	Los Angeles County Dept. of Public Health
Chi Diep	California Department of Public Health
Chris Saenz	Valencia Water Company
David Lippman	Las Virgenes Municipal Water District
Dawn Taffler	Kennedy/Jenks Consultants
Dmitriy Ginzberg	State Water Resources Control Board, Division of Drinking Water
Earle Hartling	Sanitation Districts of Los Angeles County
Ed Yang	Kennedy/Jenks Consultants
Elise Goldman	West Basin MWD
Jennifer Kong	LA Sanitation
Jennifer Valdez	Los Angeles Dept. of Water and Power
Jim Smith	Los Angeles County Dept. of Parks and Recreation
Jocelyn Carrillo	Los Angeles/Bureau of Sanitation
Joe Walters	West Basin MWD

Los Angeles Chapter of the WaterReuse Association
June 9, 2015 MEETING SUMMARY



Joe Yersky	Walnut Valley Water District
John Lockett	Los Angeles Dept. of Water and Power
John Robinson	John Robinson Consulting, Inc.
Judi Miller	CH2M HILL
Kevin Minissian	Norchem Corp.
Kraig Erickson	RMC Water and Environment
Luis Mendez	Norchem Corp.
Matt McCarrick	PESEC
Monica Gasca	Sanitation Districts of Los Angeles County
Quang Ly	Los Angeles County Dept. of Public Health
Raymond Jay	Metropolitan Water District of So. Calif.
Ricardo Vivas	RMC Water and Environment
Saba Saeed	Valencia Water Company
Sharona Sokolow	UCLA
Tom Monk	Walnut Valley Water District