



November 2016 MEETING

WaterReuse Colorado / RMWEA/RMSAWWA Joint Water Reuse Committee/

November 3, 2016 at 1:00 pm

City of Aurora Municipal Center

15151 E. Alameda Parkway, Aurora, CO

Lowry Room, 3rd Floor

Call in number: 303-481-7001 (no PIN is needed)

NOTICE OF ELECTIONS: The Water Reuse Colorado will hold elections for Officers on January 5, 2017 at the Plum Creek Water Reclamation Authority (4255 N. US Highway 85, Castle Rock, CO 80108).

Dave Takeda	MSK Consulting
Damian Higham	Denver Water
Allegra da Silva	MWH
Bryan Beckner	Wellstone Inc.
Laura Belanger	Western Resource Adv.
Tara Kelley	Colo. Springs Utilities
Liz Lemonds	CDPHE (Phone)
Frank Johns	Tetra Tech
Daniela Castaneda	MWH
Allegra da Silva	MWH
Abigail Antolovich	Xylem
Ray Hamilton	Amec Foster Wheeler
Frank Johns	Tetra Tech
Stan Abrams	H2O Tech, Inc.
John Gordes	VisuGen Global LLC
Edward Bonham	PCWRA

Richard Leger	Aurora Water
Jason Assouline	CH2MHill
Bob Dye	Meridian
John Rehring	Carollo
Matt Benak	Town of Castle Rock
Brett Abrams	H2O Tech, Inc.
Tami Richardson	H2O Tech, Inc.
Eric Dole	Hazen & Sawyer
Brenley McKenna	Denver Water
Yelena Sandler	Arcadis
Cheryl Dilks	Brown and Caldwell
Clay Rahn	HDR
Alex Gerling	AWWA
Bob Jurenko	Bureau of Reclamation
Steve Ravel	Mott MacDonald

1. CDPHE-WQCD Items

a. Regulation 84 - New Uses (Damian/Dave)

Denver Water is the proponent to add new uses to regulation 84 (irrigation for edible crops, livestock wash down operations, and toilet flushing). Funding was not available during the Triennial Review Hearing (TRIH) to evaluate the proposed changes in May of 2016, however, alternative funding sources have been identified and should be approved soon. Funding sources include the Water Resources and Power Development Authority and the Colorado Water Conservation Board. The proposed change to the regulation will be done in two phases, the first phase includes evaluating the new uses that Denver Water has proposed and the second phase there will be a re-work of the current regulation, possibly towards a risk-based categorization of uses. The funding will be applied towards a new full time employee at the Division. The hearing date with the Water Quality Control Commission is set for 2018 for a rulemaking on the proposed changes. There will be a stakeholder process that includes the public. If you know someone who may be a good candidate for the position, let us know. If you are interested in the new uses, you can join the New Uses Committee. More information to come in 2017.

- b. Graywater Non-Traditional Uses (Tara): no entities are currently using, an ordinance is currently being worked on. Melanie and Bret Icenogle (CDPHE), will be invited to discuss the development of the graywater regulation at a future meeting.
- c. CSU: Colorado State University is working to develop legislation that would be an exception to Regulation 86 for research purposes. CSU has been planning on utilizing gray water for use in indoor toilets and urinals and this legislation would help CSU overcome the barriers in Regulation 86. CSU also has a One Water group working on other One Water projects including modeling, water quality, and exploring green infrastructure.

2. WRCO Items

- a. Scholarships and Awards (Tara/Abbey)
WRCO offers two different programs, one is an award program where customers, treaters, and users can be nominated for awards. All of the award nominations in Colorado were forwarded to the National level, this was done to bring more attention to what is going on in the reuse community and to promote water reuse. If you are a consulting engineer or a utility, the awards are a great way to showcase new projects and show appreciation. The second program is for scholarships for students who are pursuing an education involving water reuse. In September two students were awarded with the scholarships (\$1500 each). Planning for the scholarship notifications occurs in March and the applications are due in the June/ July timeframe.
- b. Industrial Reuse Committee (Abbey)
WateReuse Colorado hasn't been focused on industrial reuse in the past. Two topics of current interest include the food and beverage and the energy sectors. There will be an Industrial Reuse conference in Atlanta, GA in 2017 that will focus on these two sectors. The program is finalized, there will be two workshop tracks will have a report out at the end and looking at treatment and economics. Will also include an educational component as well. Emory University will be hosting a tour during the conference (small decentralized tour). There will be an e-blast sent out soon from WateReuse National with details about the conference.
- c. WRCO DPR Project/Potable Reuse (John)
The DPR project has officially begun. This project will include three components of implementing DPR including regulatory, outreach, and technical. The first workshop meeting was held last week. This workshop was focused on the regulatory and outreach sections of the project. There were many participants from a number of agencies and utilities.

Regulatory: The regulatory piece of the project will include other states' perspectives on DPR including, New Mexico, Texas, Oregon, and California. The project will look at what the regulation should cover (policy vs. guidance). Staff from the CDPHE is also participating on this project.

Outreach: others perspectives, terminology, audiences were framed out in terms of goals for outreach and desired actions. There will be a survey of customers from two utilities in Colorado to get perspectives on where we currently stand with DPR and how we can target our outreach materials to address Coloradans' concerns.

Second Workgroup meeting is scheduled in February.

CA Division of Drinking Water- Published draft assessment of feasibility to develop DPR regs in CA. An advisory group was used to look at what is needed for DPR criteria. Conclusion of expert panel was that no additional research that needs to be done to implement DPR regs. However, they did recommend some areas of additional research. Public comment period closed last week. The final report regarding feasibility of developing DPR regs will be out in December.

- d. CFWE Headwaters Magazine Sponsorship (Laura) – See attached. Vote required. The Colorado Foundation for Water Education publication goes to thousands of people in the water industry. This publication is both electronic and hardcopy. An article on reuse will be coming out soon. WRCO has committed at a minimum of \$500 to support the publication. Additional sponsorship could be evaluated to promote WateReuse in the publication. The sponsorship levels include:
\$500 level gets a small logo in the publication. (see attachment for what is included in sponsorship)
\$1000 level could get a blog level, this also goes to the fundamentals of promoting reuse, and supporting the publication is important.

Motion: Allegra makes a motion to support the \$1000 sponsorship level

Second: Dave

All in Favor

No Discussion

- e. PPAB- mini grant. A grant for up to \$20,000 from the Pollution Prevention Advisory Board has been circulated and mentions reuse specifically. The applications are due on November 14th and preference will be given to projects that have matching funds. The award will be available on January 18.

Laura will be applying for funds to complete a white paper that could support the proposed changed to Regulation 84. This could be similar to the project that WEF is putting together, the WateReuse Road Map.

.**Add to January Agenda** EPA wanted a database, can this work get momentum on a national level.

- f. Membership Update (Richard) – 2017 dues update, new member(s)
New Member: CSU

Steve will reach out to Raegan Waskom at CSU to get a summary to add them to the website

Increased dues (see attached) structure based on population, there are 18 levels all based on population. Renewal notices will be going out soon. Dues are going to be renewable online. If you need an invoice let Richie know and he will email Erin to get an electronic invoice.

- g. Approve July and September 2016 minutes and financials – attached

July

Motion to approve minutes and financials: Richie

Second: Damian
All in Favor

September
Motion to approve minutes and financials: Damian
Second: Richie
All in Favor

- h. WRCO Treasurer's Report for this Month (Jason)
Total equity over \$100,000 but reserves are at \$60,000
Insurance has been renewed
- i. Strategic Planning Overview (Brenley)
See attachments
- j. 2017 Elections Coming Up (Laura)
Notice of elections, they will be held in January 5th, 2017
- k. New Attendees: H2O Tech is a Colorado Company since 2009, but has a history of 30 years of treatment for produced water. H2O Tech has been working with Wellstone, in Colorado, looking at Reuse for agricultural operations (crops and animals). These companies have been involved with a pilot project in Kansas, the Governor has started an initiative that promotes reusing well water for agriculture purposes. The Governor would like to get the water to potable quality. Other projects they have been involved with are in California in the San Joaquin Valley that include treating brine water. H2O Tech notes that the regulations are not keeping up with where the states needs.

WaterReuse Colorado is a good forum for new companies looking to expand into Colorado. While the regulations are behind some other states, Colorado is evaluating the expansion of the reclaimed water regulations. There are other opportunities to participate in webinars, committees, and by adding items to the future agendas.

3. WRA/WRRF Items

- a. WaterReuse Association Updates (Richard)
WaterReuse has come out with talking points about renewal. No directors report. There is a Board meeting on December 10th in San Antonio that Richie will be attending.
- b. New Section Information Exchange Committee (Laura/Richard)
To increase information sharing across states, this group is compiling a "cut sheet" to use for talking points. These meetings will occur monthly.
- c. Research (John)
WE&RF Potable reuse for inland locations, summary of Denver Water 1980s-1990s DPR pilot study, several research on potable reuse and monitoring. The merger could help to expand out vision of One Water and includes water resources applications.

4. AWWA/RMWEA/WEF Items

- a. AWWA Water Reuse Committee Updates (Alex)

Webinar proposal for 2017, scheduled for next September. Reuse abstracts for ACE, potable reuse symposium was approved for January 2018 will be in Austin (AWWA)

- b. WEF Water Reuse Committee Updates (Frank)
 - i. Brine Tech/Report Update
WEF had annual meeting on September 25, and will be publishing Water Reuse Road Maps, similar to the work done on nutrients and other projects. A project like this will help utilities who are interested in water reuse. Other publications include the development of the Industrial Minimum Discharge book. Most of the authors have been lined up, there are a few chapters left, reuse will be apart of this. Manufacturing sector is still available.
- c. RMWEA/RMSAWWA Annual Conference Download (Laura)
In 2016 water reuse had a full day reuse track at the annual conference. There was a lot of positive reactions. This conference allowed us to reach a larger audience and should be considered for 2017.

5. Upcoming Conferences

- a. WQTC, Nov 13-17, Indianapolis, IN
- b. Colorado River Water Users Association, December 14-16 (<http://www.crwua.org>)
- c. American Groundwater Trust
- d. 2017 Annual Salinity Summit, March 2-3, Las Vegas
- e. WateReuse California Annual Conference, March 19, San Diego, CA
- f. Sustainable Water Management, March 19-22, New Orleans
- g. Law of the Rio Grande, April 6-7, Santa Fe, NM
- h. 2017 Industrial and Commercial Water Reuse Conference, May 22-23, Atlanta, GA
- i. ACE, June 11-14, Philadelphia, PA
- j. IWA International Conference on Water Reclamation and Reuse, July 23-27, Long Beach, CA
- k. Annual WateReuse Symposium, September 10-13, Phoenix, AZ
- l. RMWEA/RMSAWWA Joint Annual Conference, September 10-13, Loveland, CO

6. Future Meeting Schedule

2017 Dates and locations to be confirmed (1st Thursday, every other month):

- January 5 Plum Creek
- March 2 Aurora
- May 4 Plum Creek
- July 6 Aurora
- September 7 Plum Creek
- November 2 Aurora (includes Strategic Planning session)

Social Media Info:

Facebook: [watereusecolorado](#)

Twitter: [WateReuseCO](#)

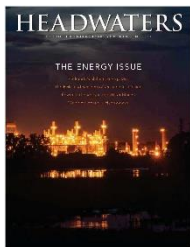
Linkedin: [groups/8230476](#)



Headwaters Program Support Underwriting & Advertising Opportunities

Support for *Headwaters* comes with great market reach! You have the opportunity to be featured in our print magazine, online magazine, educational blog, website, and an upcoming webinar.

Headwaters Magazine



Headwaters Magazine, produced three times a year, explores Colorado's most pressing water issues with non-biased, peer-reviewed articles. *Headwaters* is distributed throughout Colorado and beyond, reaching over 8,000+ people with each issue. It is received by CFWE friends and supporters, community members, business and government leaders, agricultural and environmental professionals, educators, and more. *Headwaters* issues are available for access online and archived indefinitely, so your investment lasts for many years to come.

Online Content



The Your Water Colorado blog features original content on today's top water issues by a variety of Colorado water stakeholders and professionals. It houses short, timely pieces that report on current trends, present diverse viewpoints, and expand on coverage found in *Headwaters*. The blog currently reaches 2,000+ viewers per month, and its content is regularly featured on other popular websites.

Webinars



CFWE's educational webinars regularly reach several hundred people around the state. These webinars are an effective way to supplement content in the print publications, and bring the voices of those interviewed to life.



Underwriting/Sponsorship Support Opportunities

\$2,000

- 1/3 page color print advertisement inside upcoming issue of *Headwaters* magazine
- Logo featured in *Headwaters* magazine inside cover
- Logo featured on *Headwaters* web page
- 50 copies of *Headwaters* magazine to distribute to your own networks
- Recognition of your support during an upcoming webinar
- Invitation to write or be profiled in an upcoming Your Water Colorado blog post (subject to CFWE editorial rules)
- Rights to reprint or reuse articles/graphics from *Headwaters*, subject to certain limitations
- Recognition in CFWE's annual report

\$1,000

- Business card-sized print advertisement inside upcoming issue of *Headwaters* magazine
- Logo featured in *Headwaters* magazine inside cover
- Logo featured on *Headwaters* web page
- 25 copies of *Headwaters* magazine to distribute to your own networks
- Invitation to be featured in CFWE's social media feeds (subject to CFWE editorial rules)
- Rights to reprint or reuse articles/graphics from *Headwaters*, subject to certain limitations
- Recognition in CFWE's annual report

\$500

- Logo featured on the inside cover of upcoming issue of *Headwaters* magazine
- Logo featured on *Headwaters* web page
- 12 copies of *Headwaters* magazine to distribute to your own networks
- Rights to reprint or reuse articles/graphics from *Headwaters*, subject to certain limitations
- Recognition in CFWE's annual report

To find out more about these and additional opportunities, please contact:

Alicia Prescott
CFWE Development Coordinator
alicia@yourwatercolorado.org.

Publication of the Colorado Foundation for Water Education's Citizen's Guide to Colorado Water Law, Fourth Edition is made possible by the generous support of sponsors. We would like to extend our appreciation and thanks to the following sponsors:



COLORADO
Colorado Water
Conservation Board
Department of Natural Resources



AURORA
WATER



DENVER WATER



WateReuse Association

WateReuse CO - Balance Sheet

As of October 24, 2016

	<u>Oct 24, 16</u>
ASSETS	
Current Assets	
Cash	
Cash	101,290.57
Total Cash	<u>101,290.57</u>
Other Current Assets	
1315 · Prepaid Expenses	
1323 · WateReuse CO - Prepaid Expense	291.65
Total 1315 · Prepaid Expenses	<u>291.65</u>
Total Other Current Assets	<u>291.65</u>
Total Current Assets	<u>101,582.22</u>
TOTAL ASSETS	<u><u>101,582.22</u></u>
LIABILITIES & EQUITY	
Liabilities	
Current Liabilities	
Other Current Liabilities	
2400 · Pre-Paid Dues	
2408 · Pre-Paid Dues - WateReuse CO	289.83
Total 2400 · Pre-Paid Dues	<u>289.83</u>
Total Other Current Liabilities	<u>289.83</u>
Total Current Liabilities	<u>289.83</u>
Total Liabilities	289.83
Equity	
3210 · WateReuse CO Reserves	49,813.97
3210.5 · WRCO - DPR Project	10,000.00
Total 3210 · WateReuse CO Reserves	<u>59,813.97</u>
Net Income	<u>41,478.42</u>
Total Equity	<u>101,292.39</u>
TOTAL LIABILITIES & EQUITY	<u><u>101,582.22</u></u>

WateReuse Association

WateReuse CO Income Statement

January 1 through October 24, 2016

	Jan 1 - Oct 24, 16
Income	
4050 · Membership	
4300 · MEMBERSHIP DUES	
4311 · 30% of WateReuse CO Dues	15,462.68
Total 4300 · MEMBERSHIP DUES	15,462.68
4325 · State Section Membership	
4325.60 · Colorado	2,500.00
Total 4325 · State Section Membership	2,500.00
Total 4050 · Membership	17,962.68
4099 · STATE SECTIONS	
4380 · WateReuse CO	
4380.20 · Potable Reuse Study	45,000.00
4380.30 · Reuse Rendezvous Sponsors	10,000.00
Total 4380 · WateReuse CO	55,000.00
Total 4099 · STATE SECTIONS	55,000.00
Total Income	72,962.68
Expenses	
5300 · SECTION EXPENSES	
5800 · WateReuse CO Expenses	
5800.05 · Awards	415.91
5800.10 · Board Meeting-Tvl Expenses	1,224.09
5800.15 · Food & Beverage	213.45
5800.17 · IT Support	128.00
5800.18 · Liability Insurance	208.35
5800.25 · Membership Credit Card Fees	143.33
5800.41 · Scholarship	3,000.00
5800.43 · Shipping	1.20
5800.60 · Misc	138.97
5800.75 · Marketing	
5800.30 · WRCO Membership Drive	29.67
5800.e · Membership Development	1,251.03
Total 5800.75 · Marketing	1,280.70
5800.80 · Events	
5800.81 · Reuse Rendezvous	
5800.a0 · A/V	319.42
5800.aa · Food & Beverage	10,303.57
5800.ab · CC Fees	76.28
5800.bb · Supplies	822.69

WaterReuse Association
WaterReuse CO Income Statement
January 1 through October 24, 2016

	Jan 1 - Oct 24, 16
	<hr/>
5800.cc · Event Venue	4,356.26
5800.dd · Rental Equipment	830.99
	<hr/>
Total 5800.81 · Reuse Rendezvous	16,709.21
5800.82 · WRCO Annual Awards Events	
5800.ee · Food & Beverage	2,044.40
	<hr/>
Total 5800.82 · WRCO Annual Awards Events	2,044.40
	<hr/>
Total 5800.80 · Events	18,753.61
5800.83 · Direct Potable Reuse Project	
5800.ff · Contractor	5,976.65
	<hr/>
Total 5800.83 · Direct Potable Reuse Project	5,976.65
	<hr/>
Total 5800 · WaterReuse CO Expenses	31,484.26
	<hr/>
Total 5300 · SECTION EXPENSES	31,484.26
	<hr/>
Total Expenses	31,484.26
	<hr/>
Net Income	41,478.42
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