

## January 2017 MEETING MINUTES

WaterReuse Colorado / RMWEA/RMSAWWA Joint Water Reuse Committee/

**March 2, 2017 at 1:00 pm**  
**City of Aurora Municipal Center**  
 15151 E. Alameda Parkway, Aurora, CO

### Meeting Attendees:

Damian Higham	Denver Water		Alex Gerling	AWWA
Laura Belanger	Western Resource Adv.		Jason Assouline	CH2MHill
Tara Kelley ( <i>call-in</i> )	Colo. Springs Utilities		Daniela Castaneda	MWH
Liz Lemonds	CDPHE		Brenley McKenna	Denver Water
Abby Antolovich ( <i>call-in</i> )	Xylem		Frank Johns	Tetra Tech
Bob Jurekno ( <i>call-in</i> )	Bureau of Reclamation		Jodi Villa	Kennedy Jenks ( <i>call-in</i> )
Mark ( <i>call-in</i> )	Brown and Caldwell		Shannon	Denver Urban Gardens
Nathan	CDPHE		John Novick	CDPHE

### 1. Welcome New Members

Denver Urban Gardens – Shannon

- Present in six counties with close partnerships, including Aurora and Denver Environmental Health. Their work with Denver Water for 8 years focusing on edible crops.
- Initial challenges in community assets of privately owned land were not suitable for long-term commitments; began to work with public agencies and municipal partners (over 50% of the gardens are on school grounds and serve as a good opportunity for nonpotable reuse).
- Goal to promote increased access to healthy food through holistic approach of valuing agriculture and supporting local produce. 80% of gardens are in low or moderately low income areas.

### 2. Gray Water Update (CDPHE/ City of Denver)

- Reg. 86 (Graywater Control Regulation) was finalized in 2013 with a local opt-in program whose only current jurisdiction is the City and County of Denver.
  - No projects have been developed yet.
  - Two allowed uses include indoor toilet/urinal flushing and sub-surface irrigation
- Regulatory complexity and collaboration with various other entities including Colorado Division of Water Resources, other CDPHE staff, and regulatory boards; e.g. The Water and Wastewater Facility Operators Certification Board needs to be

engaged to implement necessary changes into Reg. 100 (Operators Certification Requirements).

- Public perception challenges due to confusion about what graywater is; education needs to be a continuous effort for the public to really understand the safety and importance behind graywater uses.

### 3. CDPHE-WQCD Items

#### a. Agronomic Rates (Nathan)

- **Summary handout to be included in minutes**
- Overview of the effort to update the Guidelines for the Determination of Agronomic Rate for Application of Reclaimed Water under Colorado Regulation No. 84
  - Primary driver: misalignment in the agronomic rate analysis requirements between different regulations and policies.
  - The objective of the new guidelines is to provide guidance through simpler options and flexibility.
  - The guidelines focus on landscape irrigation (for classic turf grass), but are applicable to other uses.
  - For other types of vegetation (e.g. buffalo grass), CDPHE's website has a table of references that is kept updated as new information comes in.
- **Proposed brown bag presentation possibly before May meeting – to be followed up/confirmed with Liz.**

#### b. Reg 84 New Uses (Brenley)

- Denver Water leading effort to add new uses under Reg 84 including irrigation of edible crops.
- Will also provide clarifications to current language including discharge to impoundments.
- The stakeholder process will begin with new CDPHE staff position for 3-year term. Interviews this and next week.

#### c. Graywater Non-Traditional Uses (Tara) – no updates

#### d. Other

### 4. WRCO Items

#### a. Scholarships and Awards (Tara/Abbey) – Update

- WateReuse Colorado is Accepting Applications for the 2017 Student Scholarship Program Through **May 31, 2017**
  - WateReuse Colorado will award up to two (2) scholarships in 2017 – the Martha Hahn Memorial Scholarship and a WateReuse Colorado Scholarship. The Martha Hahn Memorial Scholarship is named in honor Martha Hahn, a long-time advocate and supporter of water reuse in Colorado. Scholarships are one thousand five hundred (\$1,500) each and are for education related expenses. Scholarships

will be awarded to the highest ranking applicants among undergraduate and graduate students enrolled in an accredited Colorado university, as determined by the WaterReuse Colorado scholarship committee. The purpose of the scholarships is to support students with a focus on water reuse, water reclamation, and/or desalination. The scholarships will be awarded in September 2017.

- WaterReuse Colorado is Accepting Nominations for the 2017 Awards Program Through **May 26, 2017**
    - WaterReuse Colorado is now accepting nominations for the 2017 awards program! As part of the mission of WaterReuse Colorado to support and advance water reuse, we are excited to recognize individuals and organizations who have demonstrated leadership in the field of water reuse. All nominations will be submitted to the national WaterReuse Association for consideration of their annual awards program and national winners are encouraged to attend the Annual WaterReuse Symposium to be held this September in Phoenix.
  - <https://watereuse.org/sections/watereuse-colorado/>
- b. Industrial Reuse Committee (Abbey) – Update
- Webinar coordinator position is still open for volunteers (committee goal is 2-3 webinars a year).
- c. WRCO DPR Project/Potable Reuse (John) - Update
- Schedule progress is currently at one third through.
  - Regulatory portion may be recommended to be under Regulation 11 (Colorado Primary Drinking Water Regulations).
  - Study recommendations will address resource and support needs for staffing and administration.
  - Outreach portion focuses on better defining audiences for outreach; who to connect with; messages to convey; actions for them to do in response to our messaging.
  - Future communication piece: proposed one or two-part session to share study findings. Abby noted Xylem has funding to help support such an effort. John and Abbey will discuss offline, follow up next meeting, and ask for volunteers.
- d. Outreach Update
- i. CO Groundwater Conference (John) – **Download and include in minutes**
    - Well-received presentation on IPR groundwater recharge/augmentation with focus on salinity.
  - ii. Outreach to Representative Arndt (John) – Update
    - Rep. Arndt was in attendance at Groundwater Conference and offered herself as resource to help promote reuse. Informal agreement to give another update to **committee**; aim to schedule around summertime to align with new Reg. 84 proposed uses.
  - iii. CO River Water Users Association Conference and Colorado Water Congress (Laura)
    - Reuse panel was a new addition at both events and well received.
    - At the Congress, the Governor's speech addressed water reuse and its critical role in Colorado's prosperous future.

- Students from Red Rocks Community College recorded footage of the reuse panel and recycled water beer tasting event at the Congress and will create a final video to show at a later WRCO meeting.
  - WRCO can explore the option to get some footage for a national video.
- e. Membership Update (Richard) – New member(s)
- Denver Urban Gardens
- f. Approve January 2016 minutes and financials – Attached
- Motion to approve minutes and financials: Richard Leger  
Second: Damien Higham  
All in Favor
- g. WRCO Treasurer’s Report for this Month (Jason)
- h. Other

## 5. WRA/WRRF Items

- a. WateReuse Association Updates (Richard) –
- Director position open (preference for legislative skills and experience) since Melissa is moving to WE&RF.
  - There are currently six open elected positions on the Board.
- b. State Section Information Exchange Committee (Laura) – Update, **Medical Community Initiative Attached**
- Health/medical communities are potential reuse audiences. WRA at the national level has asked state sections to not reach out yet because they are developing partnerships and tools. Shannon to share resources from similar outreach strategies in edible crop efforts
- c. Research (John) –Summary from all 2016 research findings for potable reuse (WRRF-15-01) available: [http://www.nwri-usa.org/pdfs/Reuse-15-01-web-\(2\).pdf](http://www.nwri-usa.org/pdfs/Reuse-15-01-web-(2).pdf)

## 6. AWWA/RMWEA/WEF Items

- a. AWWA Water Reuse Committee Updates (Alex)  
Call for Abstracts for International Symposium on Potable Reuse in Austin January 2018  
Due April 21, 2017  
<https://www.awwa.org/conferences-education/conferences/potable-reuse.aspx>
- b. WEF Water Reuse Committee Updates (Frank)  
Water Reuse Roadmap publication under review; publication planned for WEFTEC this year (September 2018).

## 7. Recent conferences

<u>Title</u>	<u>Organization</u>	<u>Location</u>	<u>Start date</u>	<u>Website</u>
2017 Utility Management Conference	AWWA-WEF	Tampa, FL	2/7/2017	<a href="http://www.wef.org/UtilityManagement2017/">http://www.wef.org/UtilityManagement2017/</a>
2017 Colorado Rural Water Conference	Rural Water Asso of CO	Denver, CO	2/13/2017	<a href="https://coloradoruralwater.sharepoint.com/Pages/2014AnnualConference.aspx">https://coloradoruralwater.sharepoint.com/Pages/2014AnnualConference.aspx</a>
2017 Water Innovation	WEF	San Francisco, CA	3/15/2017	<a href="http://www.wef.org/WaterInnovation/">http://www.wef.org/WaterInnovation/</a>
2017 WateReuse California Conference	WateReuse California	San Diego, CA	3/19/2017	<a href="https://watereuse.org/news-events/conferences/2017-watereuse-california-annual-conference/">https://watereuse.org/news-events/conferences/2017-watereuse-california-annual-conference/</a>
Multi-State Salinity Coalition (MSSC) Annual Salinity Summit		Las Vegas, NV	3/2/2017	
2017 Sustainable Water Management Conference	AWWA	New Orleans, LA	3/19/2017	
2017 NWEA Annual Conference	Nevada Water Environment Association (NWEA)		4/4/2017	<a href="https://nvwea.org/events-calendar/8329-nwea-annual-conference">https://nvwea.org/events-calendar/8329-nwea-annual-conference</a>

## 8. Upcoming Conferences

<u>Title</u>	<u>Organization</u>	<u>Location</u>	<u>Start date</u>	<u>Website</u>
2017 CWEA Annual Conference	CWEA	Palm Springs, CA	4/25/2017	<a href="http://ac17.cwea.org/">http://ac17.cwea.org/</a>
2017 AZ Water Annual Conference	AZ Water Association	Phoenix, AZ	5/3/2017	<a href="http://www.cvent.com/events/90th-az-water-annual-conference-exhibition/event-summary-b949a3ebf57d40869c7e9aecfc37b552.aspx">http://www.cvent.com/events/90th-az-water-annual-conference-exhibition/event-summary-b949a3ebf57d40869c7e9aecfc37b552.aspx</a>
2017 UNC Water Microbiology	University of North Carolina Chapel Hill & World Health Organization	Raleigh, NC	5/15/2017	<a href="http://waterinstitute.unc.edu/conferences/watermicro/">http://waterinstitute.unc.edu/conferences/watermicro/</a>
2017 WateReuse Idaho Annual Conference	WateReuse Idaho	Bosie, ID	5/17/2017	<a href="http://www.deq.idaho.gov/assistance-resources/conferences-trainings/2017-water-reuse-conference/">http://www.deq.idaho.gov/assistance-resources/conferences-trainings/2017-water-reuse-conference/</a>
2017 WateReuse Texas Annual Conference	WateReuse Texas	El Paso, TX	5/18/2017	
2017 Industrial and Commercial Water Reuse Conference	WateReuse	Atlanta, GA	5/21/2017	
2017 ACE	AWWA	Philadelphia, PA	6/11/2017	<a href="https://www.awwa.org/conferences-education/conferences/annual-conference.aspx">https://www.awwa.org/conferences-education/conferences/annual-conference.aspx</a>

2017 Summer AWRA Conference	AWRA	Tysons, VA	6/25/2017	<a href="http://www.awra.org/meetings/Tysons2017/index.html">http://www.awra.org/meetings/Tysons2017/index.html</a>
2017 One Water Summit	U.S. Water Alliance	New Orleans, LA - Intercontinental Hotel	6/27/2017	<a href="http://www.cvent.com/events/one-water-summit-2017/custom-36-143e6507ae114e39b572c8c0c1eb1c0c.aspx?tw=7C-0F-05-87-03-E9-4E-2F-6A-BF-00-68-B9-E8-42-65">http://www.cvent.com/events/one-water-summit-2017/custom-36-143e6507ae114e39b572c8c0c1eb1c0c.aspx?tw=7C-0F-05-87-03-E9-4E-2F-6A-BF-00-68-B9-E8-42-65</a>
2017 IWA International Reuse Conference	International Water Association (IWA) and WE&RF	Long Beach, CA	7/23/2017	<a href="http://iwareuse2017.org/">http://iwareuse2017.org/</a>
2017 Annual WaterReuse Symposium	WaterReuse	Phoenix, AZ	9/10/2017	
2017 Rocky Mountain Joint Annual Conference	Rocky Mountain Water Environment Association (RMWEA) & Rocky Mountain Section AWWA (RMSAWWA)	Loveland, CO	9/11/2017	<a href="http://www.rmwea.org/annual_conference.php">http://www.rmwea.org/annual_conference.php</a>
2017 Tri-State Seminar	Tri-State	Las Vegas, NV	9/26/2017	<a href="http://www.tristateseminar.com/events/32nd-annual-tri-state-seminar/event-summary-828b0feb87194839ba92fbc9b31bc31a.aspx">http://www.tristateseminar.com/events/32nd-annual-tri-state-seminar/event-summary-828b0feb87194839ba92fbc9b31bc31a.aspx</a>
2017 WEFTEC	WEFTEC	Chicago, IL	9/30/2017	<a href="http://weftec.org/about/about-weftec/">http://weftec.org/about/about-weftec/</a>
2017 Intermountain AWWA Annual Conference	AWWA	Sun Valley, ID	10/11/2017	<a href="http://www.ims-awwa.org/group/2017AnnualConference">http://www.ims-awwa.org/group/2017AnnualConference</a>
2017 PNCWA Annual Conference	Pacific NW Clean Water Ass	Vancouver, WA	10/22/2017	<a href="http://www.pncwa.org/annual-conference">http://www.pncwa.org/annual-conference</a>
2017 Annual Fall Conference	CA-NV AWWA	Reno, NV	10/23/2017	
2017 Annual AWRA Conference	AWRA	Portland, OR	11/5/2017	<a href="http://www.awra.org/meetings/Portland2017/index.html">http://www.awra.org/meetings/Portland2017/index.html</a>
2017 WWEMA Annual Meeting	WWEMA	Scottsdale, AZ	11/8/2017	
2017 Colorado River Basin conference		Las Vegas, NV	12/16/2017	

## 9. Future Meeting Schedule

- May 4 - Plum Creek
- July 6 – Aurora
- September 7 - Plum Creek
- November 2 (strategic planning session in morning followed by regular meeting in afternoon) - Aurora

Meeting Addresses

**City of Aurora Municipal Center**

15151 E. Alameda Parkway, Aurora, CO

**Plum Creek Water Reclamation Authority**

4255 N US Highway 85, Castle Rock, CO 80108

Social Media Info:

Facebook: [watereusecolorado](#)

Twitter: [WaterReuseCO](#)

Linkedin: [groups/8230476](#)