



## MEETING MINUTES

WaterReuse Colorado / RMWEA/RMSAWWA Joint Water Reuse Committee

**September 6, 2018 1-3pm**

Red Rock Community College's Environmental Training Center Room #5102  
13302 Fox Run, Lakewood CO 80228

### Attachments:

1. July 2018 minutes
2. September 2018 financial statement
3. Statement about WRCO spending policy from Donene Dillow
4. Marked up WRCO spending policy (proposed) from Donene Dillow

### Agenda

#### 1. Introductions & Welcome

##### a. Attendance

- i. Matt Benak – Castle Rock
- ii. Frank Johns – Tetra Tech
- iii. John Rehring – Carollo
- iv. Damian Higham – Denver Water
- v. Shannon Spurlock – Denver Urban Gardens
- vi. Brandi Honeycutt – CDPHE WQCD
- vii. Shaun Thompson – CSU Operator
- viii. Bret Eastberg – City of Westminster
- ix. Catherine Hoffman – USBR
- x. Mike Waresak – Forsgren Associates
- xi. Bob Dye – Meridian Metro District representative
- xii. Bob Jurenka – USBR Water Treatment Group

- xiii. Jacqueline Rhoades – Hazen and Sawyer
- xiv. Tyler Nading – Jacobs
- xv. Alex Gerling – AWWA
- xvi. Allegra da Silva – Brown and Caldwell
- xvii. Yuliana Porres Mendoza – USBR
- xviii. Thomas Riggle – Centennial Water and Sanitation Water Conservation and Efficiency Coordinator
- xix. Prospect – Water Operator and Wastewater Operator
- xx. Calvin Kaemmerling – Nalco Water
- xxi. Eric Dole – Hazen and Sawyer
- xxii. James Rosenblum – Jacobs


b. New WRCO Members

**2. WRCO Business Items**


- a. July 2018 minutes – approve – VOTES REQUIRED – [see attachment](#)
  - i. Attendance – add that Said Delaga called in
  - ii. Approved with this change
- b. WRCO Treasurer’s Report for year to date (Kirk Watson)
  - i. Discuss and approve September 2018 financial statement – [see attachment](#)
  - ii. Approved
- c. WRCO Spending Policy
  - i. Proposal to revise the support expenses associated with the national representative attending meetings and provide additional guidance (proposal is to increase the ceiling from \$3,000 to 5,000 and use IRS/GSA guidance on mileage and per diem) – [see 2 attachments](#)
  - ii. Approved
- d. Western Resource Advocates’ Protect the West Celebration – VOTE REQUIRED
  - i. Option 1: WRCO board supports sponsoring a table (\$2500, 10 seats); WRCO signage on the table

- ii. Option 2: interested individuals purchase tickets (\$150 each); can be seated together, but without the WRCO signage
- iii. Discussion
  - 1. WRCO has donated wine to the event
  - 2. Concern about setting a precedent since we may involve more NGOs
  - 3. Decision to not sponsor the celebration this year but encourage individual members to attend

*Honoring this year's recipient of the  
Leadership in Conservation Award...*

 **Xcel Energy\*** | RESPONSIBLE BY NATURE®

Xcel Energy provides the energy that powers millions of homes and businesses across eight Western and Midwestern states. The company is an industry leader in responsibly reducing carbon emissions and producing and delivering clean energy solutions from a variety of renewable sources at competitive prices. Xcel Energy is advancing the Colorado Energy Plan, which could result in a 60% reduction in the utility's carbon emissions and will ensure that over 50% of the electricity it generates comes from clean, renewable, wind and solar facilities.

 **DAVID L. EVES**  
**Executive Vice President, Group President – Utilities**  
Since 1981, David has held many positions of responsibility in the energy sector. He has played an integral role in guiding Xcel Energy's transition to cleaner energy sources, and has been a thought leader within the company and the industry – demonstrating that clean energy investments can benefit the company, its customers, and the environment.

**We are honored to recognize Xcel Energy - Colorado for their leadership and work  
in advancing the Colorado Energy Plan and making clean energy a priority for Colorado!**

**WESTERN RESOURCE ADVOCATES'**  
**PROTECT THE WEST**  
*Celebration*

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**THURSDAY, SEPTEMBER 13, 2018**  
Cocktail Reception 6:00 P.M.  
Dinner & Program 7:00 - 9:00 P.M.

**OMNI INTERLOCKEN RESORT**  
Broomfield, Colorado

*Presenting the 2018*  
**LEADERSHIP IN CONSERVATION AWARD  
& EMERGING LEADER AWARD**

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**INDIVIDUAL TICKETS \$150**  
**SPONSORSHIP OPPORTUNITIES AVAILABLE**  
(see reverse)

*Your participation supports WRA's continued work in protecting the West*

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**Purchase tickets by September 3, 2018**  
**[www.westernresourceadvocates.org/events](http://www.westernresourceadvocates.org/events)**  
**or contact Jenn Campbell 720-763-3725**

Business or Cocktail Attire | Complimentary Parking

e. File storage & website access

- i. Discuss at strategic planning meeting – volunteer – Jacqueline will bring info on an option

**3. Colorado DPR projects Update**

a. Phase I (John Rehring, Austa Parker)

- i. Copies of tech memos were shared today; will be posted on WRCO website through WRA
- ii. DPR Pure Water Colorado Project
  - 1. Virtual tour of the project – on Denver Water youtube

2. Beer (Centurion) and wine (InVINtions) money is going to be turned back into scholarships

b. Phase II (Laura Belanger)

i. IAP has been identified

1. Larry Schimmoller, M.S., P.E., (Panel Chair), is Global Technology Leader for Water Reuse at CH2M
2. Christopher Bellona, Ph.D., is Assistant Professor of Civil and Environmental Engineering at Colorado School of Mines
3. Richard Danielson, Ph.D., is Vice President and Laboratory Director at BioVir Laboratories
4. Eric Dickenson, Ph.D., is Research and Development Project Manager at Southern Nevada Water Authority and an adjunct faculty member at University of Nevada Las Vegas
5. Ellen McDonald, Ph.D., P.E., is a Principal at Alan Plummer Associates in Texas, where she leads the water resources group
6. Kristina Mena, Ph.D., M.S.P.H., is Associate Professor of Environmental Science at University of Texas at Houston School of Public Health, where she is Program Head for the Environmental and Occupational Health Sciences for the Division of Epidemiology

ii. Small group of key stakeholders identified

iii. IAP Meeting #1 was held July 26<sup>th</sup> in Denver at Colorado Water Congress

iv. IAP Meeting #2 is Thursday November 29<sup>th</sup>

1. Panel Report anticipated in October for WRCO review

**4. WRCO Scholarships and Awards (Shannon Spurlock, Jason Rosenblum)**

- a. Award reception scheduled November 1<sup>st</sup>
- b. Shannon and James to reach out to past chairs to find out how to get checks cut

**5. CDPHE-WQCD Regulatory and Policy Items**

- a. Brandi has a supervisor now – Meg Parish – Permits Section Manager for Unit 1 (Reuse, Stormwater Permitting, Groundwater, and 3-4 other topics)
- b. Quarterly compliance check-in opportunity
  - i. Liz Lemonds (Compliance) is offering utilities quarterly updates (phone calls) – let Liz or Brandi know if you are a utility interested in this
- c. Reg 84 – toilet flushing and localized systems will be voted on October 9<sup>th</sup> by the Water Quality Control Commission – a “pass” vote is anticipated
- d. Edible crops bill, hemp bill – require that the WQCD develop regulations for these uses – December 2019 due date

- i. If you want updates, sign up on the WQCD or email Brandi Honeycutt
- ii. Anticipate a hearing on these items next October 2019
- e. Reg 84 cleanup – may have to wait on that

## **6. Water Reuse Outreach**

- a. Water Education Colorado update:
  - i. October Headwaters
  - ii. Joint Event in October – see 10 c(v) below
- b. DPR Wine Update – (Dave Takeda)
  - i. History & “why” (for those new to WRCO): As with other states, WRCO wanted to highlight DPR using a customer-friendly approach such as alcohol. While many other states have made beer (including Colorado with Declarations Brewery) we decided to try wine. Dave Takeda has been making custom wine with InVINtions for years and their process allows the actual DPR water to be used to make the wine. This seemed like a unique, but similar, approach as the beer. A few WRCO folks gathered at the winery in November for taste tests. After the Pure Water Colorado demo project started, it was just a matter of getting the water, selecting the wines, and making the labels.
  - ii. Financial
    - 1. 14 sponsors generated \$18,000 in revenue (all paid up)
    - 2. Known costs to-date are \$12,404. For all the events listed above, anticipated to be less than \$500 of additional expenses that need to be covered by WRCO.
    - 3. WRCO authorized up to \$10,000 to make the wine
  - iii. Bottles of wine remaining
    - 1. WRCO had about 460 bottles available to use
    - 2. So far, 44 have been used for events
    - 3. After all the scheduled events (except for JAC since it doesn’t seem like this is happening in 2018), WRCO will have about 350 remaining.
  - iv. Print material made or needed to explain the wine process/value – the potable reuse “message” – Austa
  - v. Events – completed
    - 1. WEF Reuse and Disinfection Conference (Portland, OR, Monday, July 30th)
    - 2. Summer Colorado Water Congress (Vail, CO, Wednesday, August 22nd)
    - 3. Denver Water 100th Anniversary VIP Event (Denver, CO. Wednesday, August 22nd)
  - vi. Events – projected

1. Reuse Symposium (Austin, TX)
  - a. Event #1 – Cruise/boat (Monday, September 10<sup>th</sup>) – Hosted by WRA national, WRA will use its wine for this event (none from WRCO's allocation)
  - b. Event #2 – JW Marriott Austin (Probably Tuesday, September 11th (need to confirm))
2. Western Resources Advocates Protect the West Celebration on 9/13:
  - a. Donated wine: WRCO is providing additional bottles of DPR for the WRA Protect the West event. Dave, Jenn and Patti should work together on those details.
  - b. Help w/DPR wine comments for event: Jenn and Patti should reach out to Dave, Austa and Allegra to provide input on WRA's President's short talk about reuse and the DPR wine at our Protect the West event to ensure is all worded correctly.
3. RMWEA/RMSAWWA JAC (Denver, CO) – likely not happening
  - a. Date: Tuesday, September 18th
  - b. Location: Denver Convention Center or Hyatt at Denver Convention Center
4. WEFTEC (New Orleans, LA)
  - a. Date: Monday, October 1st
  - b. Location: New Orleans (Ernest N. Morial) Convention Center
  - c. Note: co-sponsored with Xylem
5. Water Education Colorado (Denver metro area, CO)
  - a. Date: Thursday, October 18th
  - b. Location: south metro area
    - i. University of Colorado South Campus – Wildlife Experience
  - c. Volunteers needed
    - i. Tyler, Allegra, and Austa to work with Jayla Poppleton on details
  - d. Educational information – BRAINSTORM
    - i. Reuse Rendezvous posters from 2016
    - ii. Information about the PureWater demo
    - iii. DUG booth about reuse water for edible crops
    - iv. Demo trailer co-owned/operated by CH2M/Jacobs and Carollo
    - v. WaterReuse Colorado table with materials about what we are currently working on
    - vi. Water Education Colorado table with Reuse issue of Headwaters and other info about what we do

- vii. Include PureWater booth with information about the demo...could also have their video showing on a running loop.
  - viii. Invite Denver Water to bring information about the One Water concept at its new HQ building
  - ix. Invite Meridian Metropolitan District (a confirmed sponsor) to bring information about its 100% reuse/zero discharge system
  - x. Invite South Metro or Aurora Water to bring a display about WISE
  - xi. What else?
- e. Does WaterReuse Colorado have any ability to sponsor the event?
  - i. Estimate = \$2,000 for the venue, food, and bar service
  - ii. WRCO committed to \$1,000 to help co-sponsor this event – (moved by John Rehring; Bob Dye seconded)
- f. Who from WaterReuse Colorado could commit to attending the event on Oct. 18?
  - i. Austa Parker
  - ii. John Rehring
  - iii. Damian Higham
  - iv. Eric Dole
  - v. Shannon Spurlock
  - vi. Bob Dye
  - vii. Jacqueline
  - viii. Tyler Nading
  - ix. Alex Gerling
  - x. Bob Jurenka
  - xi. Allegra da Silva

**7. Other Committee Updates – none**

**8. Special presentation:**

Yuliana E. Porras Mendoza  
Desalination and Water Purification Research Program Manager  
Advanced Water Treatment Research Coordinator, Science and Technology Program  
Bureau of Reclamation  
Research and Development Office

- 1. Science and Technology Program – funds internal researchers to do research in collaborations – focuses on water and power

2. Prize competitions – example of virus competition co-sponsored with Xylem that just closed (\$80,000 in prize money)
3. Title XVI Water Reclamation and Reuse program – utilities are eligible if they have a feasibility study approved by Reclamation – about \$50 million per year (around \$4-10 million per project)
4. Desalination and Water Purification Research – nation-wide eligibility (any entity almost) (\$3.5 million last year for 16 projects)

9. **Next Meeting Date and Location:** November 1<sup>st</sup> at Plum Creek Water Reclamation Facility  
10am – 1pm strategic planning meeting (open to all)  
1 – 3pm membership meeting (open to all)  
3:30pm awards & scholarships reception – tentative timing (open to all)

Parking lot of items to discuss:

- i. WRCO Communications Consultant (Initial concept intro by Austa Parker, Laura Belanger)
- ii. Marketing of our scholarships and awards
- iii. Board of Trustees – update the list and website
- iv. File storage
  1. Financial – past awards, invoices
    - a. DPR Phase I project budget, invoices
    - b. DPR Phase II project budget, invoices
    - c. Wine budget, invoices
    - d. Reuse Rendezvous budget, invoices
  2. Reuse rendezvous
    - a. Poster files
    - b. Invitation/RSVP list
  3. Recycled water wine
  4. Membership list
  5. Board members list
  6. Email list
  7. DPR phase I
    - a. TM1 – regulatory matrix key feature
    - b. TM2 –communications and outreach plan; Pure Water Colorado Demo Project
    - c. TM3 – planning tools and case studies
    - d. Pure Water Colorado Videos
  8. WRCO Video for WaterReuse Association
  9. DPR phase II technical documents
- v. Website information
- vi. Procurement policy
- vii. Vision, Mission, Values
- viii. Officers
- ix. Invited speakers



## 2018 Meetings Remaining

Date	Proposed Location & Time	Topic(s) and speaker(s)
November 1, 2018	Plum Creek 10am – 3pm	Strategic planning meeting Membership meeting Awards ceremony

## Upcoming Conferences in the Industry

Event	Organization	Location	Dates	Website
Annual WaterReuse Symposium	WaterReuse	Austin, TX	September 9-12, 2018	<a href="https://watereuse.org/news-events/conferences/annual-watereuse-symposium/">https://watereuse.org/news-events/conferences/annual-watereuse-symposium/</a>
Rocky Mountain Joint Annual Conference	RMSAWWA and RMWEA	Denver, CO	September 16-19, 2018	<a href="http://www.rmsawwa.org/page/AnnualConference">http://www.rmsawwa.org/page/AnnualConference</a>
WEFTEC	WEF	New Orleans, LA	September 29 - October 3, 2018	<a href="https://www.weftec.org/">https://www.weftec.org/</a>
AWRA Annual Conference	AWRA	Baltimore, MD	November 4-8, 2018	<a href="http://awra.org/meetings/Baltimore2018/index.html">http://awra.org/meetings/Baltimore2018/index.html</a>
Water Quality and Technology Conference	AWWA	Toronto, ON	November 11-15, 2018	<a href="https://www.awwa.org/conferences-education/conferences/water-quality-technology.aspx">https://www.awwa.org/conferences-education/conferences/water-quality-technology.aspx</a>
Membrane Technology Conference and Exposition	AWWA/ AMTA	New Orleans, LA	February 25- March 1, 2019	<a href="https://www.awwa.org/conferences-education/conferences/membrane-technology.aspx">https://www.awwa.org/conferences-education/conferences/membrane-technology.aspx</a>
Sustainable Water Management Conference	AWWA	Tucson, AZ	March 31- April 3, 2019	<a href="https://www.awwa.org/conferences-education/conferences/sustainable-water-management.aspx">https://www.awwa.org/conferences-education/conferences/sustainable-water-management.aspx</a>