

BACWA Recycled Water Committee Meeting Notes

EBMUD Headquarters – 4th Floor Conference Room

September 3, 2014

10:00 a.m. – 12:00 p.m.

1) Introductions – Muñoz

- Cheryl Munoz - SFPUC
- Lorien Fono - BACWA
- Kimberlee West - BACWA
- David Williams - BACWA
- Anita Jain - Whitley Burchett
- Roanne Ross – Whitley Burchett for Redwood City
- Rhodora Biagtan - DSRSD
- Paul Gilbert-Snyder - EBMUD
- Linda Hu - EBMUD
- Vince Christian - RWQCB

On phone

- Leah Walker – City of Petaluma
- Ken Torke – City of Palo Alto
- Eric Rosenblum - Envirosppectives
- Kevin Booker - Sonoma CWA
- Jayne Strommer - Delta Diablo SD

Kimberlee will be taking Lorien's place while Lorien is on maternity leave.

2) Prop 84 & BAIRWMP Updates – Muñoz/Hu

a. Update on Prop 84 activities - Paul Gilbert-Snyder

i. Round 1 - all RW projects fully invoiced

1. The following projects have been fully reimbursed including retention:
 - Central Dublin Recycled Water Distribution, DSRSD - Project 10
 - Novato North Service Area, Novato SD - Project 12
 - Novato South Service Area, Las Gallinas Valley SD - Project 13
 - Napa State Hospital RW Pipeline, Napa SD - Project 14
 - Sonoma Valley Recycled Water Project, Sonoma Valley County SD – Project 15
2. The following projects have been reimbursed but have not yet received their retention:
 - Concord Recycled Water Pipeline, Central Contra Costa San District - Project 9
 - East Bay Shore project, EBMUD – Project 11
 - Harding Park RW project, SFPUC – Project 16
3. Invoiced 9/3/14: South Bay Advanced RW Treatment, SCVWD - Project 17

ii. Prop 84 Round 2

The Local Project Sponsor (LPS) agreements are in progress. Last month, ABAG signed an agreement with DWR. ABAG provided draft LPS agreements to agencies about a week ago. Agencies are in negotiations regarding terms.

b. Drought Relief Round

The award notification is expected in October. The application was submitted in July, and DWR staff is currently reviewing and commenting.

- i. DSRSD/EBMUD Recycled Water Authority (DERWA) San Ramon Valley Project update - Linda Hu*

1. CASGEM: DWR mandated California Statewide Groundwater Elevation Monitoring (CASGEM) groundwater reporting requirements for medium and high priority basins. Projects in the Prop 84 Drought Round are required to comply with CASGEM. EBMUD met with DWR and it was clarified that a project must comply with CASGEM for funding only if the project seeking funding overlies a basin of concern. The DERWA project in San Ramon Valley area does not need to comply because it overlies low priority basins.
2. Conservation concerns: EBMUD is evaluating if its Conservation Group can focus funding on those areas within the service area that do not overlie medium and high priority basins.

3) Legislation/Regulations Updates – Rosenblum/All

a. Legislation

- i. Water Bond: A new version of the Water Bond passed the legislature (AB1471) and will be included on the November Ballot. Compared to previous versions of the Bond, the provision that would have allowed money that is earmarked for recycled water to be used for groundwater replenishment has been removed so that money is restricted to RW program. \$750 million will be for recycled water and desalination. For more information, see http://ct3k1.capitoltrack.com/Bills/13Bills/asm/ab_1451-1500/ab_1471_bill_20140813_amended_sen_v96.pdf.
- ii. Other bills of interest status updates:
 1. AB 2071 - Livestock watering: designated as Order to Consider (to evaluate if it is appropriate to have regulations, rather being a regulation itself) - passed
 2. AB 2282 – Green Building: also designated as Order to Consider - passed
 3. AB 1699 – Microplastics: placed in inactive file on Aug 28
 4. AB 2417 - CEQA exemption for recycled water pipelines: hearing cancelled

4) Bay Area Recycled Water Truck-fill Facilities Survey (see attachment) – Jain

a. Caltrans Survey - Cheryl Muñoz

- i. A representative of Caltrans attended the April Recycled Water Committee meeting seeking information on Recycled Water Truck-fill Facilities. Caltrans has been directed to cut back 50% of their water use at the meeting we agreed to survey local agencies to see who has truck fill facilities. Since that meeting, Caltrans Horticulture/landscape group put out their own survey due to a misunderstanding between divisions within Caltrans. Cheryl spoke with the manager of the horticultural group about their survey. The two agreed to work together on this issue, with BACWA building on Caltrans efforts. Caltrans is going to wait on implementation of their survey and partner with BACWA going forward. Cheryl will follow-up on who has received the Caltrans survey.
- ii. BACWA retained Whitley Burchett in August to conduct a Bay Area Recycled Water Truck-fill Facilities Survey (see below). A list of survey questions was draft which Cheryl reviewed and shared with Caltrans for their input. Caltrans added a question about cost (due to training charges) to the draft survey. Caltrans needs BACWA's expertise to ask the right questions (truck size, time of day, quality, use, inter-jurisdictional requirements, etc.).

b. Review and discuss draft BACWA survey:

- i. Survey purpose:

The survey will be useful for Caltrans, but can also be used for water districts and retailers, contractors and developers as RW guidance. It can be posted on BACWA site, and then linked to other sites.
- ii. Survey distribution list: Where to draw the lines?

The survey will cover Region 2 plus Caltrans service area beyond Region 2. There are no issues with getting as many survey responses as possible.

 - 43 POTWs in BACWA Region must be included. Lorien will provide a complete list.
 - Additional agencies including water agencies such as Santa Clara Valley Water District should also be surveyed. Cheryl will also include those on this committee's mailing list.
- iii. Survey logistics:
 1. Use the BACWA SurveyMonkey account to send a link to all POTWs to get initial responses.

- SurveyMonkey works best with check boxes rather than open-ended questions, but text fields are possible although more difficult for data analysis. Cheryl, Anita, and Roanne will restructure the survey. Sherry Hull can coordinate the SurveyMonkey account.
2. Follow-up

For agencies that don't respond initially to the survey, Whitley Burchett will make phone calls to collect information and physically fill out surveys where necessary.
 3. Compile data and prepare a report. (*WBA scope ends with the preparation of the report.*)

The group discussed how the information could be distributed. Create a FAQ sheet to post for reference for other fill stations. Link FAQ sheet to agency website with link to permitting requirements. There was discussion of using GIS to link an interactive map to find closest fill station. The Water Board has a map with fill station locations that could be linked to the survey and FAQ sheet. The map should show service area boundaries and agencies.
- iv. Survey questions - Anita Jain reviewed the initial list of survey question and got input from the group (these pertain to the first draft of the survey, which is attached below)
1. Program Availability:
 - a. Need to add a question about partner agencies. Then need to follow-up with partner agencies.
 - b. There was a suggestion to categorize plans for end-usage (i.e. agriculture, irrigation, construction, residential), but it was determined that this is covered under Use Area Requirements and that each agency needs to manage user plans individually.
 2. Water Quality and Quantity:
 - a. Eliminate the "what uses are not allowed beyond the Title 22 restrictions?" question.
 - b. Leah Walker suggested adding a question of "what is the minimum amount?"
 - c. There was a decision to break the quantity question into several questions regarding minimum, maximum, and per day quantity allowances.
 3. Fill Station:
 - a. Add GIS coordinates.
 - b. Break multi-part questions into separate questions.
 - c. Add requirement for agencies to fill out separate survey information for each fill station.
 - d. There was discussion to add questions on what type of containers or tanker vehicles are allowed. (Some vector trucks do not have air gaps, tanker trucks have built in air gaps, residential use may have air gap requirements, etc.). Does an acceptable container require a lid? The survey might want to specify that container must have lid (for residential).
 - It was determined that this line of questioning is not needed on the survey because agencies need to authorize containers and vehicles prior to, or at the time of pick-up, therefore, these concerns are addressed.
 4. Permit and Use Agreement Requirements:
 - a. Clarify Question 6, to ask, "How long does it take to get approval *from the agency?*"
 - b. Add questions on training:
 - Specify that the contractor must have training from each agency.
 - Add a question of "how long does the training take?"
 - Add a question to determine if training certification is allocated to a vehicle, to an individual or to an owner/contractor?
 5. Pricing:
 - a. Change "connection fee" to "service fee."
 - b. Add a question to ask if there are any required deposits for a construction meter, or for a hydrant?
 6. Use Area Requirements - no suggestions
 7. Vehicle Requirements:
 - a. Add question on vehicle inspection requirements.
 - b. It was determined that question #5 regarding vehicle type is redundant with Fill Station question #4 regarding fill station type, and was therefore removed.
 8. Additional general questions:
 - a. Dave Williams asked, "What are the instructions for left over water?"
 - Each permit will give guidance on this, but there is not often left over water.

- b. Some fill stations have received calls from water truck operators who want to pick up water and distribute to un-authorized users. This is an issue as the use and user need to be authorized, and the user needs to be trained.
 - In response, Leah Walker explained that the City of Petaluma asks where the water will be used and then does a site inspection of every user location. This is an approach other fill stations may want to consider.
 - 9. Distribution of survey. Prior to survey Dave can send out an email blast alerting his members of the survey, and also include an aerial on it in their newsletter. The message should explain the Caltrans survey and the BACWA survey to reduce confusion.
- c. Often times recycled water is trucked from one agency and actually used in a neighboring agency's service area, which in the past has required Water Board approval since each agency's water recycling permit only allows for distribution of recycled water within their service area. Due to the drought, it will be helpful for the Water Board to grant approval more efficiently just for trucked recycled water provided that there are no issues/objections from the local water supplier having jurisdiction. Dave Williams proposed that BACWA send a blanket request to the Water Board to grant generic approval permitting BACWA agencies to allow use of their recycled water across jurisdictional boundaries, especially in times of drought. Recycled water agencies would still need to grant individual permits to users so that a recycled water agency would be authorized by the Water Board to grant approval, but the agency would not be compelled to do so. Blair Allen at the Regional Water Board could coordinate this effort. Dyan Whyte can also help expedite approvals. Dave will call Dyan to discuss this.

5) Recycled Water Use for Drought Relief Survey - Biagtan

a. Potential partnership with CASA

CASA and ACWA have shown interest in finding out about the history of recycled water use throughout the state of California, and if use has changed, or is changing in response to the drought. The Committee is interested in participating. There was a suggestion to look at the white paper titled "Meeting California's Water Needs – Water Reuse Update (March 2014)" that CUWA drafted, for initial statewide recycled water history and future directions. It was commented that it is hard to separate out the demand that is solely the result of the drought.

b. Purpose

- i. Posterity of recording history of recycled water
- ii. Possibility of acquiring future state and federal funding
- iii. This project is in conceptual stages right now. Please talk with Rhodora if you have additional input.

6) Partnership Updates – All

a. WRWC- Jayne Strommer: no updates

b. NBWRA - Kevin Booker: Phase 2 will start with a kickoff meeting in early October. In Phase 1, member agencies identified local projects. They have since added new members and projects. Phase 2 includes a feasibility study, funded through Title XVI, and beginning engineering design.

7) Announcements/Agency Updates – All

a. EBMUD

- i. EBMUD is currently evaluating using RW (blend of RW and potable for corrosion concerns) to cool its downtown Oakland headquarters building in addition to RW already used in second floor restrooms. They will switch over to RW by February or March of next year. Cooling is about 65% of the building's water use. There is an ongoing pilot of toilet flushing within EBMUD building.
- ii. The Shorenstein high-rise is not yet connected to RW because EBMUD's pilot is not yet complete, although they are dual-plumbed. EBMUD suggests non-white porcelain fixtures for new developments including dual-plumbing for RW use due to the mineral content and resulting slight color of the recycled water.
- iii. Pixar has been successfully using a blend of RW and potable water for building cooling since January of this year.

b. SFPUC

- i. SFPUC has ongoing new development/remodel and renovation requirements for RW use.
- ii. SFPUC has partnered with Daily City to provide RW to Harding Park given that SFPUC has funded tertiary treatment in the Daily City plant.

c. DSRD

- i. DSRD is looking at its first non-irrigation use for RW at a car wash at a Shell Station.
- ii. The residential RW program has >300 users. They estimate that they will have distributed > 1 million gallons of RW to residential users by the beginning of September. They now have eight filling stations.
- iii. Their Facebook page is up so people can show collection and use of RW:
<https://www.facebook.com/freerecycledwater>

d. At the Regional Water Quality Control Board: Melissa Gunter is now working with Blair Allen on recycled water permitting. There was discussion of a possible transition of RW responsibilities between Blair and Melissa. There was a suggestion to invite Melissa to next RW meeting. Vince Christian indicated he would extend the invitation.

8) **Next Meeting** – October 1, 2014 from 10:00 am to 12:00 pm, 2nd Floor Small Training Room at EBMUD Headquarters.

**BACWA Recycled Water Committee
Bay Area Recycled Water Truck Fill Stations
Draft Proposed Survey Questions
8/29/14**

Program Availability
<ul style="list-style-type: none">1. Does you agency have a recycled water or non-potable fill facility, or facilities?2. Contact Person name, phone and email3. Is program information available on your website?
Water Quality and Quantity
<ul style="list-style-type: none">1. What is the water quality? (tertiary, 23 MPN, 2.2 MPN, etc.)2. What uses are not allowed beyond the Title 22 restriction?3. Are there limits to the amount of water that can be taken from the fill station? (per vehicle, per day, on any given day, etc.)
Fill Station
<ul style="list-style-type: none">1. Fill stations location, address? Is there a map to the location?2. What are the fill station hours?3. Is an appointment required?4. What type of fill facilities? (overhead, side, hydrant, etc.)5. What type of connection is needed to connect to the fill station?6. What is needed to access the fill station(hydrant meter key, construction meter)7. Is there a hand-washing station on-site?

8. Is there potable water on-site to rinse vehicle after filling?
9. What are the air gap requirements when filling a truck?
10. How does your agency track recycled water obtained at a fill station?

Permit/Use Agreement Requirements

1. What type of training is required of the customer?
2. How often must a user complete training?
3. What are the insurance requirements, if any? (e.g., automobile/trucking liability insurance, Worker's Comp)
4. Is there signage required at the use site? If yes, are the signs provided? Is there a charge for the signs?
5. What system is in place for identifying who has been trained and authorized?
6. How long does it take to get approved or permitted?

Pricing

1. Is there a connection fee? If so, what is it?
2. Is there a charge for the water? (per unit)
3. Are there any other fees? (such as for permitting, training, signage, construction meter, hydrant key, etc.)

Use Area Requirements

1. What can the water be used for? (e.g., landscape irrigation, dust control, etc.)
2. Can the recycled water be used outside of the service area from which it originated?
3. Does your agency monitor use areas for compliance with authorized recycled water use applications?

Vehicle Requirements

1. What are the vehicle permitting requirements?
2. What vehicle signage is required? Is it provided?
3. What are the vehicle size limits?
4. What are the vehicle weight limits?
5. What type of vehicles can be accommodated? (i.e., top fill, side fill)