

**CHINO BASIN WATER CONSERVATION DISTRICT
REGULAR MEETING**

**District Office
4594 San Bernardino Street
Montclair, CA 91763**

MONDAY; April 12, 2010

MINUTES

INVOCATION – President Parker gave the invocation.

FLAG SALUTE – President Parker led the audience in the flag salute.

CALL TO ORDER – The meeting was called to order at 11:05 a.m. by President Parker.

ROLL CALL

Board Members Present: Aldaco, De Haan, Jr., Hofer, King, Parker, Reddick, Vanden Heuvel
Board Members Absent: None (***NOTE: Vice President Hofer arrived at 11:10 a.m.***)
Staff and Visitors Present: General Manager (GM) Ulloa; Conservation Specialist III Zamora;
Conservation Specialist II Schroeder; Conservation Specialist II Figoni;
Administrative Assistant Macy; Legal Counsel Brunick with Brunick,
McElhaney & Beckett; Robert Wagner with Wagner & Bonsignore,
Consulting Civil Engineers, Inc.; and Chris Berch and Lisa Morgan-Perales
with Inland Empire Utilities Agency (IEUA).

CONSENT CALENDAR

1. **Minutes – March 8, 2010 – Regular Meeting**
2. **Financial Reports – March 2010.** Receive and file.
3. **AB1234 - Director and Staff Travel, Training and Meeting Report.** Receive and file
CBWCD's Director and Staff Travel Training and Meeting Report reflecting business-related
expenses incurred by the District.
4. **Inland Empire Utilities Agency Supplemental and Storm Water Recharge data sheets and
2009/2010 total well production chart.** Monthly data collection information for March 2010 and
2009/2010 total well production chart. Receive and file.
5. **Association of the San Bernardino County Special District membership meeting.**
Authorize interested Board members and staff to attend ASBCSD's meeting on Monday, April
19, 2010, 6:00 p.m. at The Frontier Project in Rancho Cucamonga, CA.
6. **Garden in Every School (GIES) dedication for Glenmeade Elementary School.** Authorize
interested Board members and staff to attend the event on April 16, 2010, 9.a.m. at Glenmeade
Elementary School in Chino Hills to present a Certificate of Congratulations from the Board.
7. **Retirement of Mr. Pearson from the Local Agency Formation Commission.** Authorize
interested Board members and staff to attend the event at the LAFCO office following the April
21, 2010 hearing to present Mr. Pearson a Commendation certificate from the Board.

**Moved by Director Vanden Heuvel, seconded by Director King, and carried on a 6-0-1 vote
to approve Consent Calendar items 1 through 7.**

AYES: Aldaco, De Haan, Jr., King, Parker, Reddick, Vanden Heuvel
NOES: None
ABSENT: Hofer

NOTE: Vice President Hofer arrived at 11:10 a.m.

ADDITIONS TO THE AGENDA - None

PUBLIC HEARINGS - None

PUBLIC COMMUNICATIONS - None

UNFINISHED BUSINESS – None

NEW BUSINESS

8. **Special Districts Selection Election for the Regular Local Agency Formation Commission (LAFCO) Member and Alternate LAFCO Member.**

GM Ulloa gave the staff report.

Moved by Director Vanden Heuvel, seconded by President Parker, and carried on a 7-0-0 vote to 1) select and support James Curatalo (Member of the Board of Directors of the Cucamonga Valley Water District) for the Regular Special District Member of LAFCO and 2) authorize President Parker to sign and forward the ballot to LAFCO prior to April 26, 2010.

AYES: Aldaco, De Haan, Jr., Hofer, King, Parker, Reddick, Vanden Heuvel
NOES: None
ABSENT: None

The Board declined to vote for an Alternate LAFCO Member. The Directors were not familiar with any of the candidates.

GENERAL INFORMATION – ORAL REPORTS

Chris Berch, Inland Empire Utilities Agency Manager of Planning and Environmental Compliance

- Mr. Berch gave a PowerPoint presentation about IEUA's recycled water and groundwater recharge programs, and then opened up discussion to the Board.

He explained that approximately 4,400 acre feet of recycled water (RW) has been recharged this fiscal year within the whole service area of which approximately 30% has been deposited into the RP1 area. Counsel Brunick noted that the IEUA Environmental Impact Report (EIR) permitted 30,000 AF of recycled water. Mr. Berch confirmed that fact and explained how the percentage of RW that can be used for recharge is regulated on a basin by basin specific permit requirement and is based on water quality. The trigger IEUA uses per the Department of Public Health (DPH) is by Total Organic Carbon (TOC) and the ability to remove TOC from wastewater. IEUA's ability to remove that will dictate the percentage of RW that can be recharged to a single basin. That is what is called the Recycled Water Contribution (RWC).

Director Vanden Heuvel asked if the quality of the storm, imported or runoff water mattered. Mr. Berch said that it did not and explained that the DPH is concerned since local runoff water has the potential to be of the lowest quality. They have asked IEUA to characterize the local runoff so IEUA takes samples and reports their findings to the DPH, but the testing does not regulate anything. Director Vanden Heuvel asked if records had to be kept of the imported water and Mr. Berch said that they are not required to keep track of the water quality of imported water in terms of blending.

Director Reddick asked if the blending is a constant basis blend ratio. Mr. Berch explained that IEUA reports on a monthly basis and regulations stipulate a 60 month running average; however, IEUA requested it be extended to a 120 month running average which was approved. IEUA pursued the time period extension because water is not available on a five year basis adding a longer period to average the water quality.

SAT's (Soil Aquifer Treatment) means there are bugs in the dirt. As RW travels through the soil TOC is initially characterized and then re-characterized as to what it removes throughout the soil

nutrients. IEUA uses a lysimeter which is similar to a shallow monitoring well. It shows that over a 25 foot surface, the first 25 feet of the soil can remove as much as 1 milligram per liter of TOC. For example: 1 milligram per liter of TOC is compared to a ratio of 50% recycled water. There is a huge potential to use SAT to remove it. Director Vanden Heuvel asked if this is consistent throughout the Basin. Mr. Berch stated that it was not. The figures are site specific. Every basin is regulated and has its own RWC limits. IEUA is 100 percent compliant with meeting stringent Regional Board Permit requirements since the program began in 2005.

Director Vanden Heuvel asked if IEUA has a gross amount of RW both currently available and projected and how much of that flow could potentially be put into the ground. He also asked how much would be for direct use and how much does IEUA have plans to recover? In fiscal year 2010 - 2011 IEUA will have somewhere between 12,000 and 17,000 AF of recharge. Of that amount, all will come from the two northern facilities: RP1 and RP4. IEUA expects to produce 50,000 to 55,000 AFY as written in the three year business plan. This puts RW at approximately 80 percent realizing that the extra 20 percent of recycled water will occur primarily during wet times of the year and on the southern portion of the service area, which does not have groundwater recharge (GWR) capabilities.

Director Vanden Heuvel stated that he also talked with Dave Vargo at Black and Vetch. He stated that a day will come when we have no option to lose any recycled water because of population growth. We will need to capture all of the water regardless of the cost which is what Orange County has done. Director Vanden Heuvel was troubled when this issue was removed from the Recharge Master Plan (RMP) because of feedback from IEUA stating that there was not enough water and that it was all subscribed. He questions whether or not it is appropriate to remove from the RMP as there may be opportunities to deal with these matters, now, that would be less expensive than they will be in the future.

Director Vanden Heuvel asked Mr. Berch, "Are we fully subscribed? ... Based on the comments that you just made (80 percent subscribed), we have 20 percent not subscribed, but this is in the south portion of the Basin and in wet years." Director Vanden Heuvel continued stating that the Bay-Delta fix will take a long time with all of the political issues. He believes that these matters would be quicker to deal with, now, instead of waiting 30, 40, or 50 years.

Mr. Wagner agreed with Director Vanden Heuvel's points and asked Mr. Berch how convenient it would be to collect storm water and get it into the distribution system. He understands that there are limitations, but one positive aspect of this concept is that the infrastructure is already in place to move the water. Much more can be done with taking storm water, recycled water, and imported water and moving it where it is needed. There would be flexibility if existing infrastructure could be used. The District received some pushback from IEUA on this matter. These were just discussions and the District understands that there are good reasons why the operator of the distribution system might not want someone else's water introduced into their system. There are engineering hurdles which can always be overcome. Mr. Wagner asked if we could deal with the water quality problems, is there some other limitation that would halt the use of the existing recycled water distribution system for storm water? Mr. Berch answered that this would be something to look at on an engineering level: capacities within pipelines, pressure zones, pump systems, regulatory issues, etc. The concept makes sense, but on a regulatory level it may not be something that could be implemented immediately. It very well will not meet the requirements that IEUA has for discharge from its facilities. Mr. Wagner asked if this was a discussion that the District could have with IEUA and Mr. Berch replied that he believes it would be an appropriate discussion.

Vice President Hofer stated that Orange County uses reverse osmosis to treat their water and asked what the rough cost was to treat this way per AF. Mr. Berch said that it is traditionally \$800 to \$2,000 per AF. Director Vanden Heuvel was told that it costs \$700 to \$800 per AF. Vice President Hofer asked if Orange County was operating at capacity. Mr. Berch did not know. Counsel Brunick asked what it costs IEUA to recycle water now. Mr. Berch stated that RW costs approximately \$95 an AF. Counsel Brunick stated that in order to get the three or four to one

mix, one acre foot of water would need to be obtained (purchased, stormwater, etc.) He asked, assuming that IEUA bought the water from Metropolitan if it were available, how much would the Metropolitan water cost? Mr. Berch stated that it would cost approximately \$450 an AF. Counsel Brunick noted that this puts the cost where Director Vanden Heuvel stated, at \$800 an AF, and that this cost is not too far off from going the next step.

Mr. Berch returned the discussion to IEUA's three year business plan. Looking at this next year, there will be major capital improvements for RW on the southern facilities that have no intention of changing to GWR. However, providing additional recycled water to Chino and Chino Hills services keeps a greater amount of that water locally. IEUA is already trying to chop down on the last 20 percent. Bottom line is, during wet times and that odd year, some water will still go down the channel. During a dry winter IEUA's intent is to use RW twelve months out of the year.

President Parker noted that Director Vanden Heuvel's statements are valuable. She did work for IEUA from before and after Mr. Atwater came board and she can confidently state that Mr. Atwater is doing everything he can do, that is financially feasible, to utilize every last drop of recycled water.

ENGINEERING CONSULTANT'S REPORT

Robert Wagner, Wagner & Bonsignore, Consulting Civil Engineers, Inc.

- Mr. Wagner updated the Board on the progress of the Recharge Master Plan (RMP) effort.

DIRECTOR ORAL REPORTS

Director Aldaco - None

Director Vanden Heuvel

- Director Vanden Heuvel attended the Southern California Water Committee (SCWC) quarterly trustee meeting on March 26, 2010. Director Vanden Heuvel summarized the discussions and noted that good progress is being made on the Delta fix issues and possible solutions. He also stated that Gloria Grey, a SCWC member, was appointed to the Delta Stewardship Council.

President Parker

- President Parker reported that she and GM Ulloa attended the Association of San Bernardino Special District's meeting on February 22, 2010.
- Having taken advantage of IEUA's turf removal program last year, her front yard has a significant area of Dymondia ground cover. She has learned something from Gardener Lopez. In order to actually weed this plant successfully it requires lying on the ground. She suggests allowing Gardener Lopez to continue lying on the ground to weed this plant.

Treasurer De Haan, Jr. - None

Vice President Hofer - None

Director King

- In the last thirty years we have developed an efficient flood control system to take water from the north side of the Basin to the south end. Now we are looking at ways of collecting it in the southern portion of the Basin to return to the northern portion. Director King suggests that we look into local onsite retention ideas and possible incentives. Many of the projects that Mr. Wagner is researching look expensive and are questionable as to their possibility. Local onsite retention would be doable without a lot of study and expense.

Director Reddick - None

STAFF ORAL REPORTS

General Manager/Secretary's Report

- The Santa Ana River Watershed Conference: April 22, 2010 in Anaheim, CA at the Disneyland Hotel – confirmation of planned attendance.

Conservation Specialist III Zamora's Report

- Phase III Landscape Evaluation Audit Program (LEAP) Activities:
 - The LEAP team has completed 235 landscape audits to date with a potential water savings of 1411 AFY. Actual water savings since the beginning of the program is 358 AF.
 - There are currently seven sites to be scheduled for audits and three sites pending audits.
 - Staff is close to completing all 300 audits. Staff is working on a contract with IEUA to continue audits once these are complete.
- The Professional Landscape classes will be completed this week and have been very successful with approximately 55 total students.

Conservation Specialist II Schroeder's Report

- Andy Campbell with IEUA informed staff that 500 acre feet of new storm water from Monday night's storm was captured in the Chino Basin.
- Ely basin No. 3 - Erosion on roads repaired with gravel.
- Ely basin No. 3 and Turner Basin - Maintenance performed and completed.
- Demonstration Garden - All tree trimming performed and completed.

Conservation Specialist II Figoni's Report

- Press Releases have been submitted for the Poster/Art Contest winners and the annual Earth Day Festival.
- Display stands with our landscape class flyers are now displayed at Monte Vista Water District (MVWD), as well as several local nurseries.
- Conservation Specialist Figoni has or will staff booths for the District at:
 - Frontier Project's Earth Day Event on Saturday, April 10th.
 - IEUA's Earth Day Event on April 22nd.
 - The Santa Ana River Watershed Conference on April 22nd in Anaheim.
- Earth Day 2010 Progress: 22 exhibitors and 36 classes with 1,138 students have registered for the District's event on April 16th.
- Landscape Workshops outreach:
 - March 20th Composting Workshop:
Thirty two people attended the workshop. The partnership with SB County was successful. They provided information to all the attendees and would like to partner with the District again.
 - Professional Workshop March / April:
Three Valleys Municipal Water District partnered with the District for the Professional Landscape Water Management four-part series in English and Spanish for March and April and provided snacks enough for four classes. Three Valleys and the agencies they service are thrilled with our classes. They are considering partnering with the District, again, in October 2010.
 - Upcoming workshops:
Staff is organizing a future Irrigation Auditor training class.
- WEWAC is providing CBWCD with space on the front page of their website for June 2010. Conservation Specialist Figoni would like to write an article showcasing the District programs and workshops.

Administrative Assistant Macy's Report

- The Ethics Training class for Directors and management has not been scheduled. Administrative Assistant Macy will notify directors and staff when a date, place, and time are set. Counsel Brunick stated that the District has until November 2010 to accomplish the training.

Attorney Bill Brunick - None

NOTE: The Board recessed from 12:54 p.m. until 1:10 p.m. to eat lunch.

CLOSED SESSION

The Board of Directors recessed to Closed Session at 1:10 p.m.

CONFERENCE WITH LEGAL COUNCIL – EXISTING LITIGATION: Pursuant to Government Code Subdivision (a) of Section 54956.9; San Bernardino County Superior Court Case No. 164327; Chino Basin Municipal Water District v. City of Chino, et al. now Designated No. RCV 51010.

NOTE: Director King left the meeting at 1:32 p.m.

The meeting reconvened at 1:35 p.m. Counsel Brunick reported that the Board met in closed session adding that there are no reportable actions.

ADJOURN


At 1:36 p.m. President Parker adjourned the meeting to the next Regular Meeting of the Chino Basin Water Conservation District to be held on Monday, May 10, 2010 at 11:00 a.m. at the District Headquarters.

APPROVED AND ADOPTED THIS 10th DAY OF MAY, 2010.



Eunice M. Ulloa, General Manager/Secretary

ATTEST:



Ann Macy, Administrative Assistant