



## UTILITIES ADVISORY COMMITTEE SPECIAL MEETING

Wednesday, November 14, 2018 at 5:30 p.m.  
Los Osos Community Services District Office  
2122 9<sup>th</sup> Street, Suite 106, Los Osos, CA

### COMMITTEE MEMBERS

Chuck Cesena, Chairperson  
Vicki Milledge, Alternate Chairperson  
Jan Harper, Member  
Gene Heyer, Member  
Leonard Moothart, Member  
Ron Munds, Member  
Eric Silva, Member

### STAFF

Renee Osborne, General Manager  
Jose Acosta, Utility Systems Manager  
Ann Kudart, Administrative Services Manager  
Marti Brand, Administrative Clerk

## SPECIAL MEETING AGENDA

- 1. Opening – 5:30 p.m.**  
Call to Order, Flag Salute, Roll Call
- 2. Approve UAC Meeting Minutes of October 17, 2018**  
*(Recommend Committee Approval)*  
Presented By: Administrative Services Manager Kudart
- 3. Update Regarding Water Conservation Program**  
*(Update, no action associated)*  
Presented By: General Manager Osborne
- 4. Utilities Department Updates**  
*(Updates, no action associated)*  
Presented By: Utility Systems Manager Acosta
- 5. Review of UAC Comments Regarding Cleath Harris Report on Los Osos Basin Plan Metric Trends**  
*(Discussion and Recommendation to the Board)*  
Presented By: Chairperson Cesena
- 6. Public Comments on Items NOT on this Agenda:** At this time, the public may comment on items not on this agenda. Each commenter is limited to 3 minutes and shall address the Chairperson.
- 7. Schedule UAC Meeting – Wednesday, December 19, 2018 at 5:30 p.m.**
- 8. Closing Comments by UAC Committee Members**
- 9. Adjournment**

**ITEM 2**

**APPROVE UAC MEETING MINUTES  
OF OCTOBER 17, 2018**

**Los Osos Community Services District**  
**DRAFT Minutes of the Utilities Advisory Committee Meeting**  
**October 17, 2018 at 5:30 p.m. at the District Office**

AGENDA ITEM	DISCUSSION	FOLLOW-UP
1. Call to Order, Flag Salute and Roll Call	<p>Chairperson Cesena called the meeting to order at 5:31 p.m. and led the flag salute.</p> <p><u>Roll Call:</u>            Jan Harper, Committee Member – Present            Gene Heyer, Committee Member – Present            Leonard Moothart, Committee Member – Present            Ron Munds, Committee Member – Absent            Eric Silva, Committee Member – Arrived at 5:36 p.m.            Chuck Cesena, Chairperson – Present</p> <p><u>Staff:</u>            Renee Osborne, General Manager            Jose Acosta, Utility Systems Manager            Ann Kudart, Administrative Services Manager            Marti Brand, Administrative Clerk</p>	
2. Approve UAC Minutes of August 15, 2018	<p>Public Comment - None</p> <p><b>Committee Member Harper made a motion to approve the UAC minutes of August 15, 2018. The motion was seconded by Committee Member Heyer and carried 3-0.</b></p>	<b>Action – File approved minutes.</b>
3. Utilities Department Updates	<p>Utility Systems Manager Acosta reported that the 8<sup>th</sup> Street Water Yard Building Project contractor submitted all applications to the County to pull permits, that the seatrains have been removed and disposed of, and is communicating with County Planning and Building regarding permit issues; that the new utility truck had arrived and is in service; that the Valve Exercising Machine had been built and expected to ship by Friday; that the submersible and large 4-inch pumps have been purchased, installed, and ready for the upcoming rainy season; and, that the pumps and panels for the Bayridge and the Don and Mitchell drainage basins have been ordered and will be installed by Alpha Electric.</p> <p>He provided a Distribution Leak Detection update on cost and services to be provided by Wachs for an acoustic inspection system, deploy correlators to detect leaks, GPS leak mapping, puddle detection and additional services and is requesting Board direction in moving forward and/or continue current course of meter replacement project.</p> <p>Regarding water consumption versus production figures, Mr. Acosta stated that correcting input errors from meter reads and final billing corrections resulted in closing the gap by 1.5%.</p> <p>Mr. Acosta provided an update regarding the County's Stormwater Plan and that the District is ranked 2 out of 9 within our watershed group.</p> <p>Public Comment – Richard Margetson supposed the use of acoustic detection and that it should begin right after the rainy season. He believes many of the broken pipes and leaks were cause during the construction of the Wastewater Project.</p> <p>Linde Owen commented on the basins behind Grocery Outlet and if we receive updates from the County as the basins are not maintained.</p> <p>Mr. Acosta reported that the ponds are surface water runoff and not surface water pumpage and that there is no collaboration with the County.</p>	<b>Action – Updates, no action.</b>
5. Discussion of Cleath-Harris Report on Los Osos Basin Plan Metric Trends Review	<p>Chairperson Cesena moved Item 5 to be heard at this point in the meeting and that the report is a summary of where we are in terms of water levels and infrastructure planning; that we are looking to use 80% of the estimated sustainable yield; that it will be some time before water levels reach the</p>	

AGENDA ITEM	DISCUSSION	FOLLOW-UP
<p><b>5. Discussion of Cleath-Harris Report on Los Osos Basin Plan Metric Trends Review (continued)</b></p>	<p>desired targets as they are based on an anticipated 17.5" of rain per year; and, that additional information is need regarding influence of well bore from upper aquifer wells. Regarding the need for a larger diameter water main at the South Bay, Utility Systems Manager Acosta reported that this project has been moved up on the CIP priority list and will allow the District to pull more water from those wells. Chairperson Cesena discussed the concept that it was not just yield but where you are pumping in the Basin that effects your sustainable supply; and, reported on recycled water distribution on page 7.</p> <p>Public Comment – Richard Margetson commented on the need to show discrepancies between the mitigation rankings on page 7 as they have been shown in prior years.</p> <p>Linde Owen commented on Los Osos Creek recharge mitigation ranking on page 7 and nitrate metric trends on page 9 inquiring if we are denitrifying that water.</p> <p>Charlie Cote commented that the nitrate metric trend is increasing; that S&amp;T's #5 well is seeing increasing nitrates in the lower aquifer, and supported nitrate issues being emphasized at the Basin Management Committee.</p>	<p><b>Action – Chairperson Cesena will compile a comment letter for committee review and reply.</b></p>
<p><b>4. Discussion Regarding Bayridge Estates Septic Tanks Decommission Process</b></p>	<p>Utility Systems Manager Acosta reported that the 10 septic tanks in Bayridge Estates are in need of decommissioning; that Al's Septic pumped two tanks in 2016 but no longer interest in pursuing the project; that staff had contacted several sludge hauling services but many are not interested; that there are concerns in finding a disposal site as the sludge has expired and the product is considered hazardous waste; that the District has two quotes from companies that will pump, haul, and dispose of the waste and is waiting on a third and if comparable the District will issue an RFP.</p> <p>Public Comment – Linde Owen commented on incineration of sludge, the use of recycled water, and if there was a plan for the tanks afterwards.</p> <p>Richard Margetson voiced his concern regarding the delay and why the experts didn't inform the District that this was a priority; and, opposed borrowing Water funds without interest as it is an enterprise account.</p> <p>Utility Systems Manager Acosta responded that he would research incineration; that the use of recycled water was discussed when contractors made site visits; that the tanks will be decommissioned and not rehabbed; and, will contact the County regarding the use of the leach fields.</p>	
<p><b>6. Update Regarding Water Conservation Program</b></p>	<p>General Manager Osborne shared the conservation packet that the District provides free to the public for conservation awareness; that the Chamber of Commerce partnered with the District in its Conservation Program and raised \$2100; that a contest was held with the local elementary schools and received 76 entries along with seven videos from Middle School and spent approximately \$1300 for students awards; that banners using the students artwork were displayed around the District at a cost of \$670; that 60 refrigerator magnets were produced at a cost of \$130; that 600 larger magnets will be created for \$895; that the hose nozzles and timers will be replaced; and, that there is currently a balance of \$797. Ms. Osborne reported that the Chamber of Commerce would like to partner with the District in a new water conservation campaign.</p> <p>Chairperson Cesena requested a summary of monies spent on the program and the time spent to put the program together. The Committee supported continuing the campaign as it is a good public outreach program, and would like the theme to have more of a focus on our Basin.</p>	<p><b>Action – General Manager Osborne will report to the Board to continue with the water conservation campaign with the focus on our Basin.</b></p>

AGENDA ITEM	DISCUSSION	FOLLOW-UP
<b>6. Update Regarding Water Conservation Program (continued)</b>	<p>Public Comment – Linde Owen supported the science behind the campaign to get the students interested and recommended building a thermometer as a visual to show how much water is being saved through conservation.</p> <p>Richard Margetson agreed that the campaign was a good educational tool however he did not agree with the return over the last fiscal year.</p>	
<b>7. Update Regarding Well Meter Quotes</b>	<p>Utility Systems Manager Acosta provided a summary of the report as submitted with the agenda packet reporting that there are six well a equipped with propeller meters installed early in 1980's and 1990's and two more recently. Mr. Acosta reported that he would like to move away from propeller meters to newer technology and that he had contacted four vendors and he recommended replacing the old propeller meters with Ultrasonic meters at a cost of \$8,896.27.</p> <p>Public Comment – Linde Owen asked why Core and Main only put in a bid for Ultrasonic meters.</p> <p><b>Committee Member Moothart moved that the Committee recommend that the Board approve the purchase of the Ultrasonic meters. The motion was seconded by Committee Member Heyer and carried 4-0.</b></p>	<b>Action – The Committee recommended that the Board approve the purchase of the Ultrasonic meters.</b>
<b>8. Public Comments on Items NOT on this Agenda</b>	<p>Richard Margetson commented that there are four candidates for the LOCSD Board but only one at this meeting. He announced the People Helping People Pizza Party and Awards Dinner to be held October 18<sup>th</sup>.</p>	
<b>9. Schedule UAC Meeting</b>	<p>The next meeting of the Utilities Advisory Committee is scheduled to be held on Wednesday, November 14, 2018 at 5:30 p.m.</p>	
<b>10. Closing Comments by UAC Committee Members</b>	<p>None</p>	
<b>11. Adjournment</b>	<p>The meeting adjourned at 7: 27 p.m.</p>	

## **ITEM 3**

# **UPDATE REGARDING WATER CONSERVATION PROGRAM**



November 8, 2018

**TO:** Utility Advisory Committee

**FROM:** Renee Osborne, General Manager

**SUBJECT: Item 3 – 11/14/2018 Utilities Advisory Committee Meeting  
Water Conservation Update**

**President**  
Vicki L. Milledge

**Vice President**  
Marshall E. Ochylski

**Directors**  
Charles L. Cesena  
Louis G. Tornatzky  
Christine M. Womack

**General Manager**  
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**District Accountant**  
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**Unit Chief**  
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### **SUMMARY OF 2018 CONSERVATION CAMPAIGN**

At the November 2017 Utilities Advisory Committee (UAC) Meeting, I presented a Water Conservation Campaign idea to this committee. The campaign involved the entire community; the Los Osos Community Services District (the District), Golden State Water Company (GSWC), the Los Osos/Baywood Park Chamber of Commerce (the Chamber), the local schools, and local businesses. Both Monarch Grove and Baywood Elementary would participate in the competition of creating the conservation logo. The Los Osos Middle School has a video production class, they would produce the conservation videos. Materials were distributed to the schools before the 2017 Christmas break. The conservation logo deadline was January 31, 2018 and the conservation video deadline was February 15, 2018.

The Chamber was responsible for acquiring the prizes for the winners and sponsorships to help pay for the conservation banners and posters. Since the Chamber had the Los Osos Business Expo planned for March of 2018, we used that platform to announce the community wide conservation awareness campaign and announce the logo and video winners.

After the UAC approved the conservation campaign concept, the idea was presented to the District Board of Directors at their December 2017 meeting and it was approved. The Board did not request me to keep track of my time on this project. The Water Fund pays for 85.5% of the Administrative Fund and the conservation program is part of the Water Department's scope of work. I would like to mention the water conservation campaign contract with Barnett and Cox; from July 2014 to November 2016, the District paid Barnett and Cox \$45,760 towards a conservation campaign marketing and social media.

In the 2017/2018 budget, the District spent \$200 on the 2018 Water Conservation Campaign which paid for two \$100 gift certificates towards the elementary school conservation logo winning entries. The Chamber raised \$2100 (\$200 of which was from the District) towards the entire conservation campaign. All money was donated directly to the Chamber and distributed by the Chamber. A total of \$1300 was used towards gift certificates for six winning logo entries and seven video submissions. Six banners of the winning logos were created by the Chamber which totaled \$668. The remaining \$132 of the donated funds was used to purchase 60 refrigerator magnets.

<b>Chamber Campaign Sponsors/donations</b>	<b>\$2100</b>
Gift Certificates for winners	\$1300
Conservation Banners	\$ 668
<u>60 Conservation magnets</u>	<u>\$ 132</u>
<b>Total Spent</b>	<b>\$2100</b>

**UPDATE 2019 CONSERVATION CAMPAIGN**

At the October 17<sup>th</sup> UAC meeting, we discussed the 2019 conservation campaign. I presented the idea of doing a new campaign with the schools or to keep the one we had in place and continue to buy items such as posters, yard signs, etc., associated with the current logos. The Committee decided to go with a new campaign, same process, but a slight change to the concept. It was suggested for the children to address "how would you save our water basin?"

This concept was presented to the Board at their November 1<sup>st</sup> meeting. I spoke with the Monarch Grove Elementary School Principal about the water basin idea. She mentioned that the concept was not within the age group of the elementary school curriculum, that it would be better suited for middle school age children. The Board accepted UAC's suggestion to go with a new campaign but wanted to keep the elementary schools involved and to go with the same "concept of saving water as opposed to exactly this basin". I have contacted the schools to get the flyers to them as soon as possible. I have also contacted the middle school video production instructor and the science teacher who have agreed to help the students with their conservation concepts.

The Chamber and GSWC are excited to be a part of the conservation program again and will incorporate the conservation theme at the March 2019 Business Expo.

## **ITEM 5**

# **REVIEW OF UAC COMMENTS REGARDING CLEATH HARRIS REPORT ON LOS OSOS BASIN PLAN METRIC TRENDS**



**TO:** Rob Miller, P.E., Interim Executive Director  
Los Osos Groundwater Basin Management Committee

**FROM:** Los Osos Community Services District

**SUBJECT:** Draft Los Osos Basin Plan Metric Trends Review and Infrastructure Program C Evaluation Prepared by Cleath Harris Geologists, Inc.

Dear Mr. Miller:

**President**

Vicki L. Milledge

**Vice President**

Marshall E. Ochylski

**Directors**

Charles L. Cesena  
Louis G. Tornatzky  
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The Los Osos Community Services District (LOCSO) offers the following comments and suggestions regarding the above referenced August 17, 2018 Draft Technical Memorandum. Near the bottom of Page 1, the memo states, "Groundwater production from the Central Area generally results in less seawater intrusion than the same amount of production from the Western Area, which increases the sustainable yield of the Basin." This is the rationale behind the Basin Management Plan's (BMP) Program C Expansion Well program. As you know, the next step in that program is the LOCSO's current search for a new well location east of South Bay Boulevard, over the Central Area of the Basin.

As evidenced in the attached correspondence from the citizen's interest group, Los Osos Groundwater Committee, not everyone is ready to accept increasing the Basin's sustainable yield through an adaptable pumping program that would include additional wells in the Central Area of the basin. Perhaps this is understandable given that under the Program C Evaluation on Page 6, the memo states that "Basin Model results indicate that no additional Expansion Wells would be required under the existing population scenario....to achieve both a Basin Yield Metric targeted value of 80 (BYM 80) and a stationary seawater intrusion front." Granted there are references to other factors which support construction of an additional Program C Expansion Well, the most important of which may be the Page 6 assumption that long-term precipitation averages 17.5 inches per year in the future.

We wonder if the discussion of the other factors supporting the additional Expansion Well could be enhanced, perhaps with a specific projection of how an additional Central Area well could affect the usage of the LOCSO's Palisades Well, which is at the forefront to the seawater intrusion wedge? The key to this understanding seems to be found in the third paragraph of Page 4's discussion of the Basin Yield Metric and Chloride Metric, where it is stated that "...the same annual volume of groundwater may be pumped from different aquifers in different locations and would result in the same Basin Metric Yield value for that year, but would not necessarily be equally sustainable".

Also, the memo refers to Tables 46 and 32 of the Basin Plan (on Pages 6 & 7 of the memo, respectively) but does not include the Tables in an Attachment.

The Recycled Water Distribution discussion on Page 7 should include the mitigation factors for each of the six reuse strategies.

We understand that this a very technical discussion, but it is paramount that the community be able to understand the need to construct the additional well in the Central Area of the Basin and particularly how the adaptive pumping allowed by the varied pumping locations will help maximize the Basin's sustainable yield.

Thank you for your consideration of these comments.

Attachment

**President**  
Vicki L. Milledge

**Vice President**  
Marshall E. Ochylski

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## Comments Received via District Website

-----Original Message-----

From: [noreply@getstreamline.com](mailto:noreply@getstreamline.com) [mailto:[noreply@getstreamline.com](mailto:noreply@getstreamline.com)]

Sent: Tuesday, October 30, 2018 10:17 AM

To: Ann Kudart <[akudart@losososcscsd.org](mailto:akudart@losososcscsd.org)>

Subject: Form submission from Los Osos Community Services District

Your Name: John Goodrich

Email Address: [j41goodrich@sbcglobal.net](mailto:j41goodrich@sbcglobal.net)

Comments:

LOS OSOS GROUNDWATER

PUBLIC COMMENT FOR NOV 1 CSD MTG

To: Vicki L. Milledge, President, on behalf of the Board of Directors of the Los Osos Community Services District

Dear Ms. Milledge:

The Los Osos Groundwater Committee is concerned about the issue set forth as item 13 A for the Regular Meeting of the Board of Directors to be held on November 1, 2018. This concerns the "test well" for "Basin Management Plan Program C" proposed to be drilled at the Los Osos Middle School site.

The general thesis of the basin management plan includes three inconsistent presumptions. First, that there is only one general groundwater basin between the ocean and the new sewer plant. Second, that water quality will be improved by drilling additional wells further east than the current public wells. And third, that the prior sea water intrusion will cease by moving wells further east.

At least one of these presumptions is wrong.

If there is one continuous aquifer, whether pumping from the current wells or new wells further east, all pumping will reduce the hydraulic pressure which resists sea water intrusion. Additional wells will not reduce sea water intrusion, which represents the most serious long-term threat to the town of Los Osos. It is the most severe long term threat to property values and water resources for the town. Failure to deal with this threat is of more importance than any other issue facing the community.

If there is not a continuous aquifer, the extraction of water from any new aquifer to the east violates the established groundwater rights of the well owners in that aquifer, and will result in costly legal challenges, as well as a severe threat to the agriculture in the eastern end of the Los Osos town area.

There is substantial evidence that there is not a continuous aquifer between the sea and the new sewer plant.

Our committee believes there is an economic means of augmenting the water volumes of the Los Osos town aquifer by capture of some of the storm water runoff from the Warden Lake drainage.

We recommend that the CSD immediately examine sources for fresh water augmentation of the aquifer on which the town relies for all of its water resources. Depending on such sources, it might manage the permanent end or even reversal of sea water intrusion and the expansion of water resources to the point where the artificial limits on the water available to residents of the town could be removed.

This could lead to the completion of new residential developments which have been blocked by limited water resources, and certainly an increase in local property values.

This also might increase the utilization levels of the new sewer plant, decreasing its unit costs.

Sincerely,

John B. Goodrich, on behalf of the Los Osos Groundwater Committee.