

<p>6. Executive Director's Report</p>	<p>Executive Director, Rob Miller, provided a verbal overview of the written content of the Executive Director's report.</p> <p>Director Zimmer: We need to start thinking about how to fund the BMC operations if one party declines or has an option to step out. How do we fund it all together and how do we fund it if there is separation? One of the main goals of this will be to spread the cost equitably throughout the community. Not to come to a divide on how to impose it on water purveyors, or the County, or some other mechanism but more so a community issue. All the members of the community will benefit from these projects and we need to keep that as the focus. You mentioned the Cannabis project out there; I know there is a lot of controversy on it and the water consumption. I think we should look into the possibility that it can be irrigated with recycled water.</p> <p>Director Ochylski: There have been some cannabis facilities that have been approved for hydroponic irrigation with recycled water so that may be something to consider.</p> <p>Director Gibson: I think it is a possibility. The offset of cannabis in critical basins is a little challenging because it is considered industrial, whereas ag use has its own offset. Following up with Mark said regarding the budget, I agree completely. We know we have basin wide benefit that needs to be properly assessed. We need to take those steps into that complicated question. You'll notice in Rob's report he talks about the Zone of Benefit Analysis and the question of its Joint Powers Authority. Let me take the Joint Powers Authority as one example of a way that the four parties to this agreement can coordinate their efforts in a solid way. The key concept we need to keep in mind is good communication and working together as a group, as we move forward with our work plan.</p> <p><u>Public Comment</u></p> <p>Mr. Edwards: I don't think we should create more entities; I think we need to raise water rates to get these projects done. Also, I would object to using any of the treated effluent for these cannabis entities.</p> <p>Director Gibson: I was curious if we have firm plans for further conversations with staff of the different member entities.</p> <p>Mr. Miller: Yes, before the next meeting we'll have a discussion set up for the legal framework.</p> <p>Director Gibson: I make a motion to receive and file the Executive Director Report.</p> <p>Director Zimmer: I second that.</p> <p>Ayes: Director Gibson, Director Zimmer, and Chairperson Ochylski Nays: None Abstain: None Absent: Director Cote</p>
<p>7a. Update on Status of Basin Plan Infrastructure Projects</p>	<p>Mr. Miller: Gave a detailed overview of the Update on the Status of Basin Plan Infrastructure Projects.</p>

	<p>Director Zimmer: We look at these projects on this table and I know we previously removed the dollar amounts, but I feel it would be important to add them back in so people can see what the purveyors are putting into these projects.</p> <p><u>Public Comment</u></p> <p>Mr. Edwards: Mr. Miller mentioned you may want to get in contact with the school board, but I would urge you to do that tomorrow. Try to shorten the timeline and hurry this along.</p>
<p>7b. Discussion of 2019 Basin Management Committee Annual Budget</p>	<p>Mr. Miller: Gave a detailed overview of the 2019 Annual Budget.</p> <p>Director Zimmer: If we do this initial study, are we going to come across additional requests for studies? If so, it may be a good idea to start searching out grant funding as relief for some of those associated costs.</p> <p>Mr. Miller: On the storm water recovery, I think you'll be transitioning into a grant mode there. As for the creek discharge, we could spend near \$500,000 before that nears a shovel ready project, so it won't be implementation ready for quite some time. There will be many small steps in the process.</p> <p>Director Zimmer: We talked about having a plan, it would be helpful to have all those steps included in that plan.</p> <p>Mr. Miller: I Agree.</p> <p>Director Gibson: I agree in having a plan. It may be good to have one sheet on all of the projects that are potentially going forward. We should have a coordinated plan to outline how all of these are going to work.</p> <p><u>Public Comment</u></p> <p>None.</p> <p><u>Board Comments</u></p> <p>Director Ochylski: Bringing this back for the adoption of the remainder of the Budget which is 8, 9, and 10.</p> <p>Director Gibson: I'll move that.</p> <p>Director Zimmer: I second that.</p> <p>Ayes: Director Gibson, Director Zimmer, and Chairperson Ochylski Nays: None Abstain: None Absent: Director Cote</p>
<p>7c. Consider Draft Request for Qualifications for BMC Executive Director</p>	<p>Mr. Miller: Mr. Miller: Gave details on the upcoming candidate search and draft Request for Qualifications.</p> <p>Director Ochylski: Mr. Ansolabehere, Interviews for personnel regarding the Brown Act...</p>

	<p>the hiring must be done in public, but the interviews can be in closed session correct?</p> <p>Mr. Ansolabehere: That’s true, I need to check and see if the exception is limited to employees opposed to independent contractors, so I need to double check on that closed session exemption.</p> <p>Director Ochylski: If we’re allowed to do that, which I think we are, I would prefer that the entire committee be involved in those interviews. We’ll wait to hear that determination.</p> <p>Director Zimmer: So, the selection of the consultant, and how you’ll process the solicitation, will staff be involved in that as well or will it just be coming back?</p> <p>Mr. Miller: Yes, I’ll be doing all of that. I’ll get it out to the consulting community and collect the proposals.</p> <p>Director Zimmer: Will you share all that information with the staff for their input?</p> <p>Mr. Miller: Yes.</p> <p><u>Public Comment</u></p> <p>None.</p> <p>Director Zimmer: Motion to approve the RFQ as stated.</p> <p>Director Gibson: I second that.</p> <p>This is with the understanding that as we move forward in the process, we’ll determine how the interview process occurs.</p> <p>Ayes: Director Gibson, Director Zimmer, and Chairperson Ochylski Nays: None Abstain: None Absent: Director Cote</p>
<p>7d. Presentation of Draft 2018 Annual Report</p>	<p>Mr. Miller: Gave a Presentation of Draft 2018 Annual Report.</p> <p>I wonder if we could have Toby Moore come up and make a couple of comments, as he is the Water Resource Manager/Chief Hydrogeologist at Golden State.</p> <p>Mr. Moore: Regarding the bore hole leakage in LA 10. This well has seen reduced production since we have started the blending program, implemented nitrate treatment, and added an expansion well. The recommendation you are seeing in the report to pump this well at a nominal production would be a counter to those other actions. While it will give us a good metric there are other ways to get that and we will bring that back.</p> <p>Director Gibson: We need to get a strong monitoring network in place that works. Also, we shouldn’t try to double it up against the production wells. This is all part of the cost of managing this basin. Will the Cuesta by the Sea replace this well as a monitoring well?</p> <p>Mr. Miller: Since this well occurs in that submarine canyon I would say no, it will fill a gap but not replace it.</p>

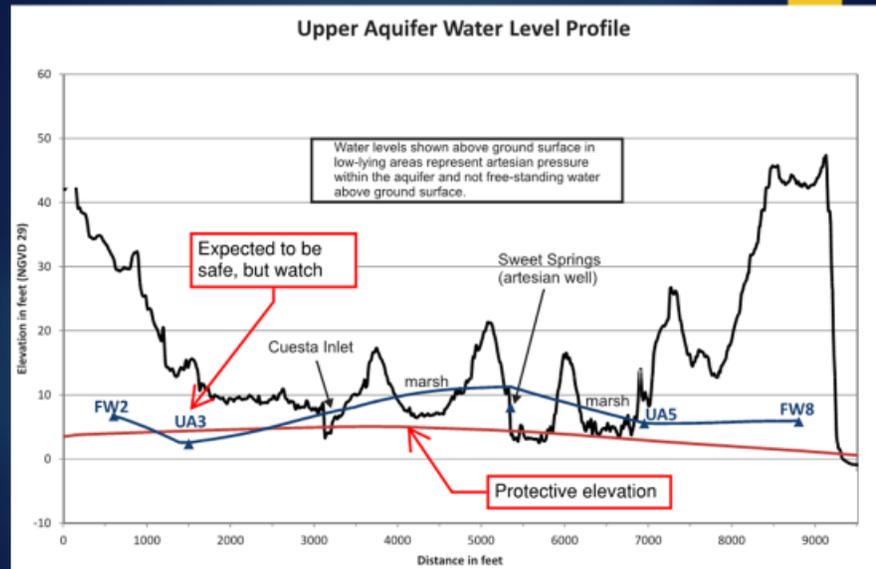
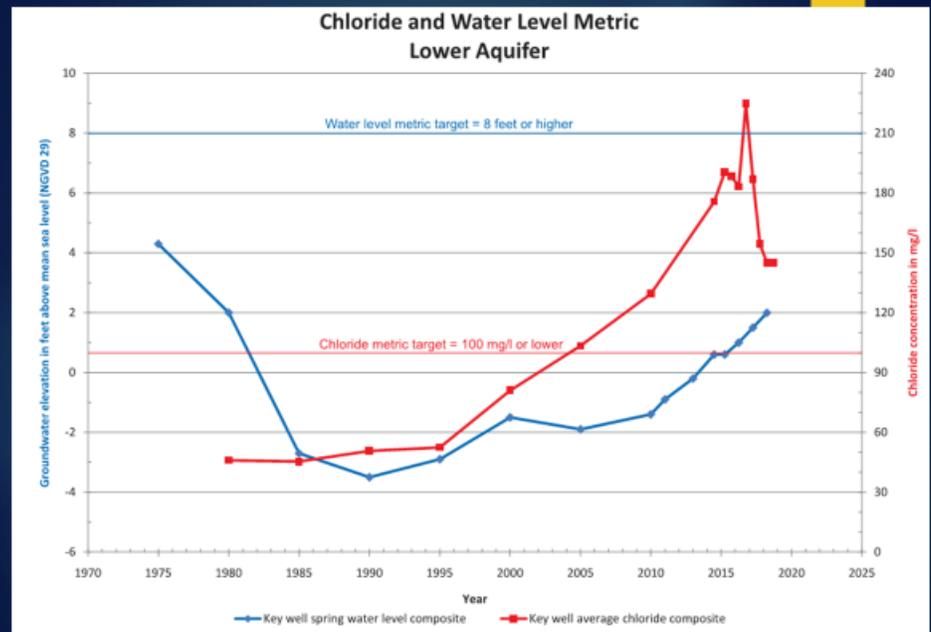
	<p>Director Gibson: Any way we can optimize the production from that well and optimize the accuracy of its observations I think it would be great.</p> <p><u>Public Comment</u></p> <p>Mr. Edwards: I just wanted to clarify that The Basin Management Plan Program B deals with Zone C of the Basin, and Program C is working toward locating wells in Zones D & E. I'm seeing the safe yield numbers going up and our demand going down, we may even see more conservation in our urban areas. I think we can deal with Programs B & C in the Basin and I don't think we'll need Program D activity for buildout.</p> <p>Director Ochylski: Our various staff members will get you comments for approval hopefully at the June meeting. If we need a special meeting, we can do that.</p>
<p>8. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA</p>	<p><u>Public Comment</u></p> <p>None.</p>
<p>9. ADJOURNMENT</p>	<p>Meeting was adjourned at 3:30 pm. The next meeting will be on May 15th at the South Bay Community Center in Los Osos at 1:30 pm.</p>

BASIN MANAGEMENT COMMITTEE BOARD OF DIRECTORS

Agenda Item 5a: Minutes of the Meeting of June 19th, 2019

Agenda Item	Discussion or Action
<p>1. CALL TO ORDER</p> <p>2. PLEDGE OF ALLIGANCE</p> <p>3. ROLL CALL</p>	<p>Director Zimmer called the meeting to order at 2:00 pm and led the Pledge of Allegiance.</p> <p>Mr. Miller, acting Clerk, called roll to begin the meeting. Director Cote, Director Cesena, Director Gibson and Chairperson Zimmer were all present.</p>
<p>4. Board Member Comments</p>	<p>Mr. Miller: I wanted to let everyone know that we did have a public bid opening one the Cuesta by the Sea Monitoring Well that you may have seen. The price of that well came within budget.</p>

<p>5. Approve 2018 Annual Report</p>	<p>Mr. Miller: Gave some details of the 2018 Annual Report as well as options on how to proceed. Staff is recommending Option 2. He gave an overview of some key points and slides from the report as shown below.</p> <div data-bbox="511 884 1469 1600" style="text-align: center;"> </div>
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Board Member Comments

Director Cote: I would prefer to see this report earlier so we would have more time to review it in the future. If we can't bring the process forward in the year, I wonder if it would be possible for this Board to vote to move the deadline for the submittal of the report 30 days into the future?

Mr. Miller: Staff was thinking about that in preparation for this meeting. It would probably require a filing with the court. It may not be a big deal to do that and having that extra

time would be helpful.

Ms. Stuckey: We would need to file something with the Court seeking an amendment to the stipulated judgement that would change that date. The date in the stipulated judgement is approved and ordered by the Court, so that date is fixed.

Director Cesena: What have been the most substantial comment so far?

Mr. Miller: The most substantive comments have centered around the borehole leakage issue. Staff doesn't want to change any numbers, but they wanted to make sure the language in the document is precise. Some other things have been about rounding in some tables and other editorial items.

Director Gibson: The essence in the report to me is there is an established protocol that borehole leakage did not unduly affect the results that we're seeing from the chloride metric and we'll adhere to that with the sampling as we go forward.

Mr. Miller: Yes, there are two options in that protocol. One is to pump the well of concern enough to flush out those nitrates, the other is to recognize that specific data point need to be reviewed.

Public Comment

Mr. Edwards: The essence of our Basin Management Plan are the programs. I have some questions and some concerns about the second Program C well that is discussed in the annual report. There is a timeline associated with that and given where we're at, I'm not sure it's a realistic timeline. It calls for a Spring of 2019 to have a test well in, and the project completed in Spring 2021. Also, who gets a copy of this report? I'm hoping the Coastal Commission and the Water Board are on that list. I would also like to know who the current Judge is on this matter.

Ms. Owen: Will Broderson be able to accept that water long term and is there proof the water is making it into the lower aquifer and stopping saltwater intrusion? If there isn't data available now, how long will it take us to get that data? Is there any discussion about the farmers offsetting their pumping by taking the recycled water?

Mr. Miller: The Program C well schedule probably is aggressive. We've provided a number of different data sets to the school district for a test well at Los Osos Middle School and are still waiting for that approval. Formal copies of this report go to the court as well as DWR and it is also published on the committee's website. I don't think submitting a copy to the Coastal Commission and the Regional Board is a bad suggestion.

Director Gibson: I intend to get this report, as well as previous years reports, into the hands of the Coastal Commission soon because we're starting to talk about the community plan for Los Osos and it is part of its fundamental foundation.

Mr. Miller: It's going to be a slow process looking at the effects of the Broderson discharge. We did see in the upper aquifer a mound start to develop which is the first step. When the mound fully develops it will provide pressure to force that water into the lower aquifer. The process can take quite some time, continuing to develop year after year for next decade. I don't have any updates regarding the acceptance of recycled water by farmers at this point. We can bring that back at one of our normal meetings.

	<p>Director Zimmer: So, we have some options to choose from today.</p> <p>Mr. Miller: We are recommending Option 2 today.</p> <p>Director Zimmer: Under the direction that the editorials are not substantive changes? You mentioned the County and Golden State, did any other comments come in?</p> <p>Mr. Miller: No other comments.</p> <p>S&T did provide some comments, but we were satisfied with the discussions we've since had.</p> <p>Director Gibson: I'll make a motion for Option 2.</p> <p>Director Cote: I'll second that.</p> <p>Ayes: Director Gibson, Director Cote, Director Cesena, and Chairperson Zimmer Nays: None Abstain: None Absent: None</p>
<p>8. PUBLIC COMMENTS ON ITEMS NOT APPEARING ON THE AGENDA</p>	<p><u>Public Comment</u></p> <p>None.</p>
<p>9. ADJOURNMENT</p>	<p>Meeting was adjourned at 2:25 pm. The next meeting will be on July 17th at the South Bay Community Center in Los Osos at 1:30 pm.</p>

TO: Los Osos Basin Management Committee

FROM: Rob Miller, Interim Executive Director

DATE: July 17, 2019

SUBJECT: Item 5b – Approval of Budget Update and Invoice Register through June 2019

Recommendations

Staff recommends that the Committee review and approve the report.

Discussion

Staff has prepared a summary of costs incurred as compared to the adopted budget through July 17, 2019 (see Attachment 1). A running invoice register is also provided as Attachment 2. Staff recommends that the Committee approve all pending invoices, outlined in Attachment 3. Payment of invoices will continue to be processed through Brownstein Hyatt as noted in previous meetings.

Attachment 1: Cost Summary (Year to Date- July 17, 2019) for Calendar Year 2019

Item	Description	Budget Amount	Costs Incurred	Percent Incurred	Remaining Budget
1	Monthly meeting administration, including preparation, staff notes, and attendance	\$50,000	\$22,451.65	44.9%	\$27,548
2	Meeting expenses - facility rent (if SBCC needed for larger venue)	\$1,000	\$120.00	12.0%	\$880
3	Meeting expenses - audio and video services	\$6,000	\$2,925.00	48.8%	\$3,075
4	Adaptive Management - Groundwater Modeling & Well Head Surveying	\$15,000	\$2,172.50	14.5%	\$12,828
5	Semi annual seawater intrusion monitoring	\$29,200	\$15,553.06	53.3%	\$13,647
6	2018 Annual Report	\$33,500	\$32,810.00	97.9%	\$690
7	Grant writing (outside consultant)	\$5,000	\$0.00	0.0%	\$5,000
8	Creek Recharge and Replenishment Studies	\$50,000	\$0.00	0.0%	\$50,000
9	Cuesta by the Sea Monitoring well	\$115,000	\$1,650.00	1.4%	\$113,350
10	Stormwater and Perched Water Recovery Project - Feasibility Study	\$15,000	\$0.00	0.0%	\$15,000
	Subtotal	\$319,700	\$77,682		\$242,018
	5% Contingency (rounded to nearest \$100)	\$16,500	\$0.00		
	Total	\$336,200	\$77,682	23.1%	\$258,518
	LOCSD (38%)	\$127,756			
	GSWC (38%)	\$127,756			
	County of SLO (20%)	\$67,240			
	S&T Mutual (4%)	\$13,448			
Notes	Last update July 17, 2019				

Attachment 2: Invoice Register for Los Osos BMC for Calendar Year 2019 (through July 17, 2019)

Vendor	Invoice No.	Amount	Month of Service	Description	Budget Item	Date BMC. Approved
WG	47601	\$1,181.75	Dec '18	Monthly meeting administration	1	Jan-19
CHG	20190103	\$8,300.00	Jan.	2018 Annual Report Preparations	6	Mar-19
CHG	20190203	\$6,240.00	Feb.	2018 Annual Report Preparations	6	Mar-19
CHG	20190204	\$1,200.00	Feb.	Cuesta by the Sea Monitoring well	9	Mar-19
CHG	20190205	\$900.00	Feb.	Adaptive Management	4	Mar-19
SBCC	122	\$120.00	Jan.	Meeting expenses - facility rent	2	Mar-19
WG	47758	\$5,124.33	Jan.	Monthly meeting administration	1	Mar-19
AGP	7697	\$725.00	Mar	Meeting expenses - audio and video services	3	May-19
CHG	20190305	\$10,920.00	Mar	2018 Annual Report Preparations	6	May-19
CHG	20190403	\$7,350.00	Apr	2018 Annual Report Preparations	6	May-19
CHG	20190404	\$450.00	Apr	Cuesta by the Sea Monitoring well	9	May-19
CHG	20190405	\$10,963.06	Apr	Semi-Annual Groundwater Monitoring	5	May-19
CHG	20190306	\$2,580.00	Mar	Semi-Annual Groundwater Monitoring	5	May-19
WG	47948	\$3,271.25	Feb.	Monthly meeting administration	1	May-19
WG	48141	\$5,593.87	Mar	Monthly meeting administration	1	May-19
AGP	7615	\$675.00	Jan.	Meeting expenses - audio and video services	3	Mar-19
AGP	7799	\$725.00	Jun	Meeting expenses - audio and video services	3	
CHG	20190502	\$1,680.00	May	Semi annual seawater intrusion monitoring	5	
CHG	20190503	\$1,080.00	May	Adaptive Management - Groundwater Modeling & Well Head Surveying	4	
CHG	20190604	\$192.50	June	Adaptive Management - Groundwater Modeling & Well Head Surveying	4	
CHG	20190624	\$330.00	June	Semi-Annual Groundwater Monitoring	5	

WG	48365	\$2,572.74	April	Monthly meeting administration	1	
WG	48565	\$5,889.46	May	Monthly meeting administration	1	
AGP	7764	\$800.00	May	Meeting expenses - audio and video services	3	
Total		\$77,682.21				

	To be approved
	not included in total- applied to
	2018

ATTACHMENT 3

Current Invoices Subject to Approval for Payment (Warrant List as of July 17, 2019):

Vendor	Invoice #	Amount of Inv.	Date of Services
AGP	7799	\$725.00	Jun
CHG	20190502	\$1,680.00	May
CHG	20190503	\$1,080.00	May
CHG	20190604	\$192.50	June
WG	48365	\$2,572.74	April
WG	48565	\$5,889.46	May
AGP	7764	\$800.00	May
CHG	20190624	330.00	June

TO: Los Osos Basin Management Committee

FROM: Rob Miller, Interim Executive Director

DATE: July 17, 2019

SUBJECT: Item 5c: Approval of Contract with Cleath Harris Geologists for budgeted adaptive management tasks

Recommendations

Staff recommends that the Committee approve the proposed scope and fee for adaptive management analysis in an amount not to exceed \$7,800.

Discussion

Item 4 in the adopted 2019 BMC budget is described as “Adaptive Management - Groundwater Modeling & Well Head Surveying.” The attached proposal addresses two critical adaptive management questions, including nitrate contamination of the lower aquifer and elevated chlorides in the Baywood Park area.

Financial Considerations

The adopted Committee budget for calendar year 2019 includes a specific line item for the proposed work as described above.

Cleath-Harris Geologists, Inc.
71 Zaca Lane, Suite 140
San Luis Obispo, California 93401
(805) 543-1413



July 11, 2019

Los Osos Basin Management Committee
c/o Mr. Rob Miller, P.E.
Wallace Group
612 Clarion Court
San Luis Obispo, CA 93402

SUBJECT: Proposal for Lower Aquifer Nitrate and Zone E Seawater Intrusion Review.

Dear Mr. Miller:

Cleath-Harris Geologists (CHG) proposes to provide hydrogeologic services for reviewing trends in nitrate concentrations at Lower Aquifer wells and the potential for seawater intrusion at Lower Aquifer well LA11 (Zone E). This proposal presents a background, scope of work, schedule, and the estimated costs for these services.

Background

Lower Aquifer Nitrate

The 2018 Annual Report evaluated Upper Aquifer influence and associated increases in nitrate concentrations due to wellbore leakage in Lower Aquifer well LA10. As noted in Appendix J of the report, wellbore leakage is not the only mechanism for Upper Aquifer influence at Lower Aquifer wells. In fact, leakage of Upper Aquifer groundwater through the regional aquitard is one of the main sources of recharge to the Lower Aquifer.

A review of nitrate concentration trends at other Lower Aquifer wells in the Basin (besides LA10) is proposed to identify areas of increasing nitrate in Lower Aquifer groundwater and, if possible, compare and differentiate potential wellbore leakage from aquitard leakage. The implications to basin management of rising nitrates in Lower Aquifer groundwater due to regional aquitard leakage versus wellbore leakage would be discussed.

Zone E Seawater Intrusion

Seawater intrusion toward Lower Aquifer Zone E well LA11 (bay front at Pasadena Drive) appears to be continuing through the Spring 2019 groundwater monitoring event, with chloride concentrations reaching a historical maximum of 196 milligrams per liter. A review of the water quality and water level trends at this well, including ion ratio evaluation and prior Basin Model scenario results, would inform the Basin Management Committee on whether new adaptive management actions should be considered.



Scope of Work

Tasks to be completed under the scope of work include:

Review nitrate concentration trends at Western and Central Area Lower Aquifer wells in the Basin groundwater monitoring program. Compare and differentiate, to the extent possible, Upper Aquifer influence due to wellbore leakage versus leakage through the regional aquitard.

Review water quality and water level trends at Lower Aquifer Zone E well LA11 for evidence of seawater intrusion. Also review prior results of Basin Model scenarios for Zone E at the location of well LA11.

Prepare a technical memorandum summarizing the findings, including a discussion of the implications to basin management and any recommendations for adaptive management actions.

Schedule

The scope of work will require approximately 2 months to complete.

Fees and Conditions

CHG proposes to perform the above scope of work on an hourly rate plus expenses basis in accordance with the attached terms of fees and conditions and the hourly rate schedule listed below. The estimated cost for services to complete the scope of work is estimated at \$7,800.



SCHEDULE OF HOURLY RATES

Principal Hydrogeologist	\$ 160
Senior Hydrogeologist	\$ 150
Project Geologist	\$ 135
Environmental Scientist	\$ 120
GIS Specialist	\$ 120
Staff Geologist Level II	\$ 120
Staff Geologist Level I	\$ 110

EXPENSES

Mileage \$0.58/mile
Other expenses at cost plus 10 percent handling.

If the herein described work scope, fees and conditions are acceptable, this proposal will serve as the basis for agreement.

Cleath-Harris Geologists, Inc.

Spencer J. Harris, Vice President



SCHEDULE OF FEES AND CONDITIONS

Invoices will be submitted monthly. The invoice is due and payable upon receipt.

In order to defray carrying charges resulting from delayed payments, simple interest at the rate of ten percent (10%) per annum (but not to exceed the maximum rate allowed by law) will be added to the unpaid balance of each invoice. The interest period shall commence 30 days after date of original invoice and shall terminate upon date of payment. Payments will be first credited to interest and then to principle. No interest charge would be added during the initial 30 day period following date of invoice.

The fee for services will be based on current hourly rates for specific classifications and expenses. Hourly rates and expenses included in the attached schedule are reevaluated on January 1 and July 1 of each year.

Documents including tracings, maps, and other original documents as instruments of service are and shall remain properties of the consultant except where by law or precedent these documents become public property.

If any portion of the work is terminated by the client, then the provisions of this Schedule of Fees and Conditions in regard to compensation and payment shall apply insofar as possible to that portion of the work not terminated or abandoned. If said termination occurs prior to completion of any phase of the project, the fee for services performed during such phase shall be based on the consultant's reasonable estimate of the portion of such phase completed prior to said termination, plus a reasonable amount to reimburse consultant for termination costs.

If either party becomes involved in litigation arising out of this contract or the performance thereof, the court in such litigation shall award reasonable costs and expenses, including attorney's fees, to the party justly entitled thereto. In awarding attorney's fees the court shall not be bound by any court fee schedule, but shall, if it is in the interest of justice to do so, award the full amount of costs, expenses, and attorney's fees paid or incurred in good faith.

All of the terms, conditions and provisions hereof shall inure to the benefit of and be binding upon the parties hereto and their respective successors and assigns, provided, however, that no assignment of the contract shall be made without written consent of the parties to the agreement.

TO: Los Osos Basin Management Committee

FROM: Rob Miller, Interim Executive Director

DATE: July 17, 2019

SUBJECT: Item 6 – Executive Director’s Report

Recommendations

Staff recommends that the Committee receive and file the report and provide staff with any direction for future discussions.

Discussion

This report was prepared to summarize administrative matters not covered in other agenda items and also to provide a general update on staff activities.

Funding and Financing Programs to Support Basin Plan Implementation

As indicated in the January 2018 meeting the State Board confirmed that sea water intrusion mitigation projects under Program C are eligible for low interest loans but are not currently eligible for grants under Proposition 1. New wells in the upper and lower aquifer are viewed as aquifer management, not aquifer clean-up as defined by the State, therefore we will need to look for future funding rounds and other opportunities. Staff had previously engaged in the IRWM process with SLO County for the Los Osos Creek Replenishment and Recharge Project (IRWM Project ID 2017 NT-07). However, it appears that only the Program A upper aquifer well at 8th Street will receive funding in this round. The concept of urban storm water recovery at 8th and El Moro was ranked in the draft County Stormwater Resource Plan, and future grant opportunities may be available. The draft Stormwater Resource Plan can be found here: <https://www.slocounty.ca.gov/Departments/Public-Works/Forms-Documents/Committees-Programs/Stormwater-Resource-Plan/Documents/2018-09-10-SWRP-Public-Draft.aspx>

Status of Zone of Benefit Analysis and Joint Powers Authority (JPA)

The BMC has requested an integrated funding plan for project implementation and BMC monitoring and administration. Discussions are expected to continue into the coming months with the following goals:

- Funding plan for on-going BMC administration and monitoring, with options for funding in the absence of a community wide special tax.
- Funding and execution plan for Basin Infrastructure Programs B and D, as appropriate. Note that funding already exists for Programs A and C.
- Additional progress for plans to supplement basin yield and provide for the community's needs consistent with the Los Osos Community Plan, including creek discharge, storm water recovery, or other supply augmentation projects.

- Clear governance structure to accomplish objectives, including detailed consideration of a JPA if needed as discussed in previous meetings.

Los Osos Wastewater Project Flow and Connection Update

Influent flows to the treatment facility averaged 0.4812 mgd. Recycled water deliveries to Sea Pines Golf Course began on June 10, 2019. The golf course has received 1,036,350 gallons of recycled water in June. Effluent is being disposed to both Broderson and Bayridge leach fields. The cumulative effluent disposal for the calendar year as of 6/30/2018 is 502 AF, of which 485 AF went to Broderson leach field, and 14 AF went to Bayridge leach field. The remaining 3 AF was provided to Sea Pines.

Enforcement: As of 6/30/2019, the sewer service area has a 98.7% connection status. Of the 70 unconnected properties, 1 is waiting for low-income grant assistance from LOCSD to pay for their connection leaving 69 properties that may require enforcement. A list was transferred to the County Planning and Building Department last year. Code Enforcement was tasked with notifying properties with Notice of Violations and impending fines. Those notices were sent earlier this year with a compliance date of 9/3/2019.

Water Conservation Update

Since the last reporting period, there have been rebates for two washing machines and one hot water re-circulator.

Option to Bring Morro Bay Wastewater to Los Osos WWRF

Similar to staff's last update, it was determined that both summer and winter peak day flows at the City of Morro Bay are expected to exceed the available capacity in the Los Osos Wastewater Reclamation Facility, and therefore an expansion would be required to accommodate the higher flows. A number of peak day flows of over 3 mgd have been observed at the existing Morro Bay facility. Additional information on the Morro Bay project can be found here: <http://morrobaywrf.com/>.

Results from Spring 2019 Monitoring

Water quality results from the Spring 2019 monitoring event are attached. While Zone D results received to date appear stable, staff continues to be concerned about Zone E, where the Pasadena monitoring well (12J1) continues to show a trend of increasing chlorides. This reinforces the need for an additional monitoring well in the Cuesta by the Sea area, which is the subject of Item 7b. The LOCSD has budgeted for a pipeline project to increase production from its South Bay upper and lower supply wells, which will reduce pumping from its 8th and 10th Street lower aquifer wells.

Pending Task List for Executive Director

As requested at the January 2019 meeting, the following list of pending tasks has been created for BMC input and reference.

Task Description	Estimated Schedule	Budget Consideration
Adaptive management – nitrate contamination in lower aquifer, Zone E chloride concerns	Draft for November meeting	Item 5c on this agenda, previously budgeted
Recruitment for permanent Executive Director	Q3 of 2019	Included in annual admin cost
Seawater intrusion imaging in coordination with Cal Poly	Pending land owner approval	Minor – staff time only
8 th /EI Moro urban storm water recovery project	Consultant proposals due on 9/1	Included in 2019 budget
Creek discharge project	Consultant proposal due on 9/1	Included in 2019 budget

Updates on Sustainable Groundwater Management Act (SGMA) and Basin Prioritization (minor changes from May 2019 update)

SGMA Overview: The Sustainable Groundwater Management Act took effect on January 1, 2015.¹ SGMA provides new authorities to local agencies with water supply, water management or land use responsibilities and requires various actions be taken in order to achieve sustainable groundwater management in high and medium priority groundwater basins. Los Osos Valley Groundwater Basin (Los Osos Basin) was subject to SGMA based on the 2014 Basin Prioritization by the California Department of Water Resources (DWR) that listed the Los Osos Basin as high priority and in critical conditions of overdraft.²

Basin Boundary Modifications: On February 11, 2019, DWR published the 2019 Basin Boundary Modifications (BBM) to update the Bulletin 118 basin boundaries. A summary of DWR's Final BBM recommendations for the Los Osos Basin are listed below (see basin maps):

- DWR approved two jurisdictional subbasins:
 - Los Osos Area Subbasin – This subbasin includes the adjudicated area and the minor northern fringe area (outside of the adjudicated area)³.
 - Warden Creek Subbasin – This subbasin is east of the adjudicated area.
- DWR approved the removal of the southern fringe area including Montana de Oro State Park (State Park Exclusion)

Basin Prioritization: SGMA requires DWR to reassess groundwater basin prioritization any time it updates Bulletin 118 basin boundaries. On April 30, 2019, DWR published the Draft SGMA 2019 Basin Prioritizations based on the 2019 Basin Boundary Modifications, and each subbasin received no comments during DWR's public comment period (closed on May 30, 2019). Basins / subbasins previously prioritized as high- or medium- priority that are now low- or very low-priority are **not** subject to SGMA requirements. A summary of DWR's Draft SGMA Prioritizations for the Los Osos Area Subbasin and Warden Creek Subbasin are listed below:

¹ On September 16, 2014, Governor Jerry Brown signed into law a three-bill legislative package, composed of AB 1739 (Dickinson), SB 1168 (Pavley), and SB 1319 (Pavley), collectively known as the Sustainable Groundwater Management Act (SGMA).

² SGMA mandates that all groundwater basins identified by DWR as high- or medium-priority by January 31, 2015, must have groundwater sustainability agencies established by June 30, 2017. The act also requires that all high- and medium-priority basins classified as being subject to critical conditions of overdraft in Bulletin 118, as of January 1, 2017, be covered by groundwater sustainability plans, or their equivalent, by January 31, 2020. Groundwater sustainability plans, or their equivalent, must be established for all other high- and medium-priority basins by January 31, 2022.

³ DWR denied the removal of the minor northern fringe area in the 2019 Basin Boundary Modifications for Los Osos Basin.

- Los Osos Area Subbasin is listed as **very low** priority for SGMA⁴ and in critical conditions of overdraft⁵
 - Under SGMA, the adjudicated area as defined in the Los Osos Basin Plan and court approved Stipulated Judgement is exempt from the requirements of SGMA, as long as certain requirements are met (e.g., submitting the annual groundwater monitoring to the Court and DWR).
- Warden Creek Subbasin is listed as **very low** priority for SGMA⁴

DWR's Steps to Finalize SGMA 2019 Basin Prioritizations

- Summer 2019: DWR releases the Final SGMA 2019 Basin Prioritizations

More information on DWR's basin boundary modification and prioritization process, please visit:

<https://water.ca.gov/Programs/Groundwater-Management/Basin-Boundary-Modifications>

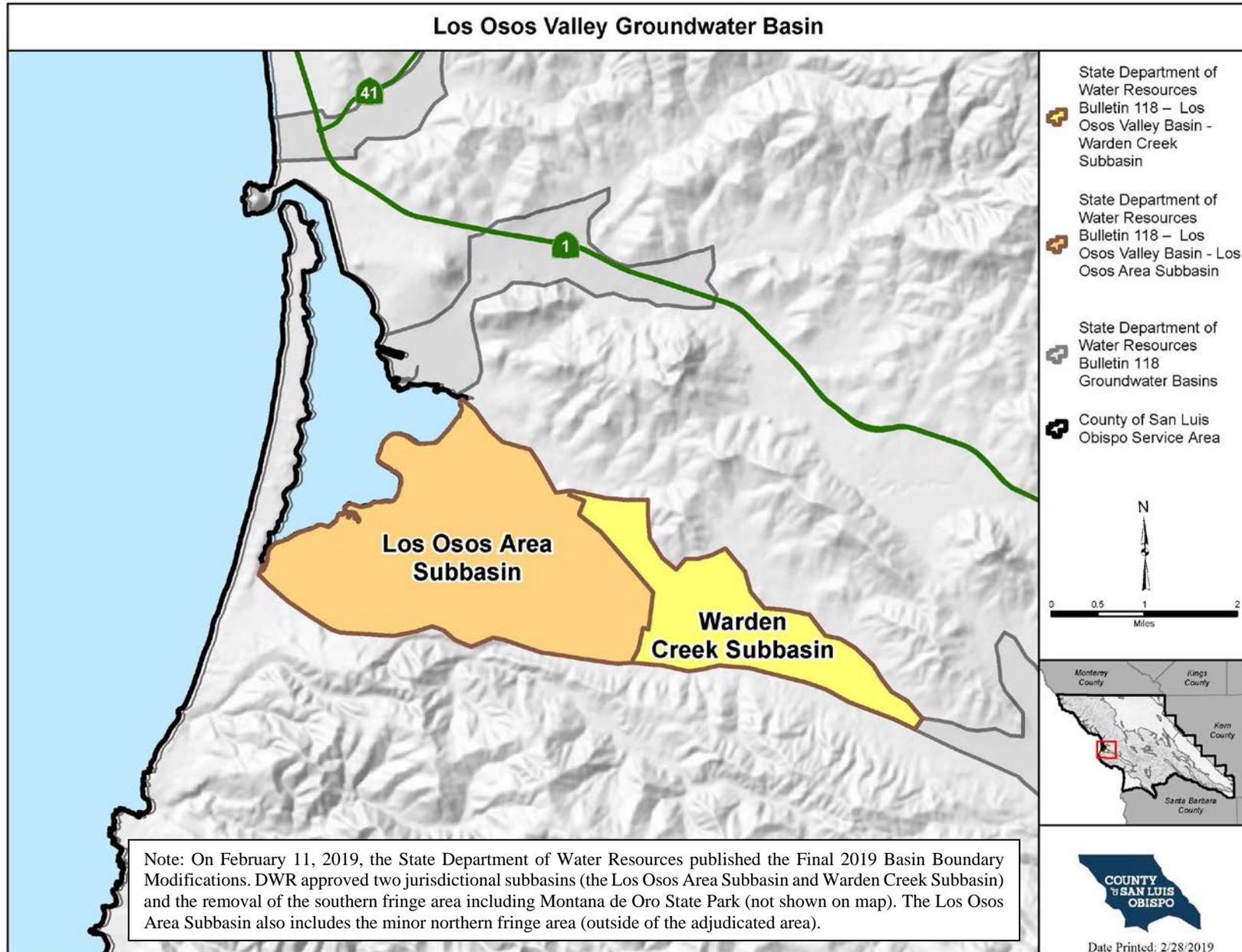
<https://water.ca.gov/Programs/Groundwater-Management/Basin-Prioritization>

⁴ As noted by DWR, the priority for the subbasin has been set to very low (0 total priority points) as a result of conditions being met under the sub-component C of the Draft SGMA 2019 Basin Prioritizations.

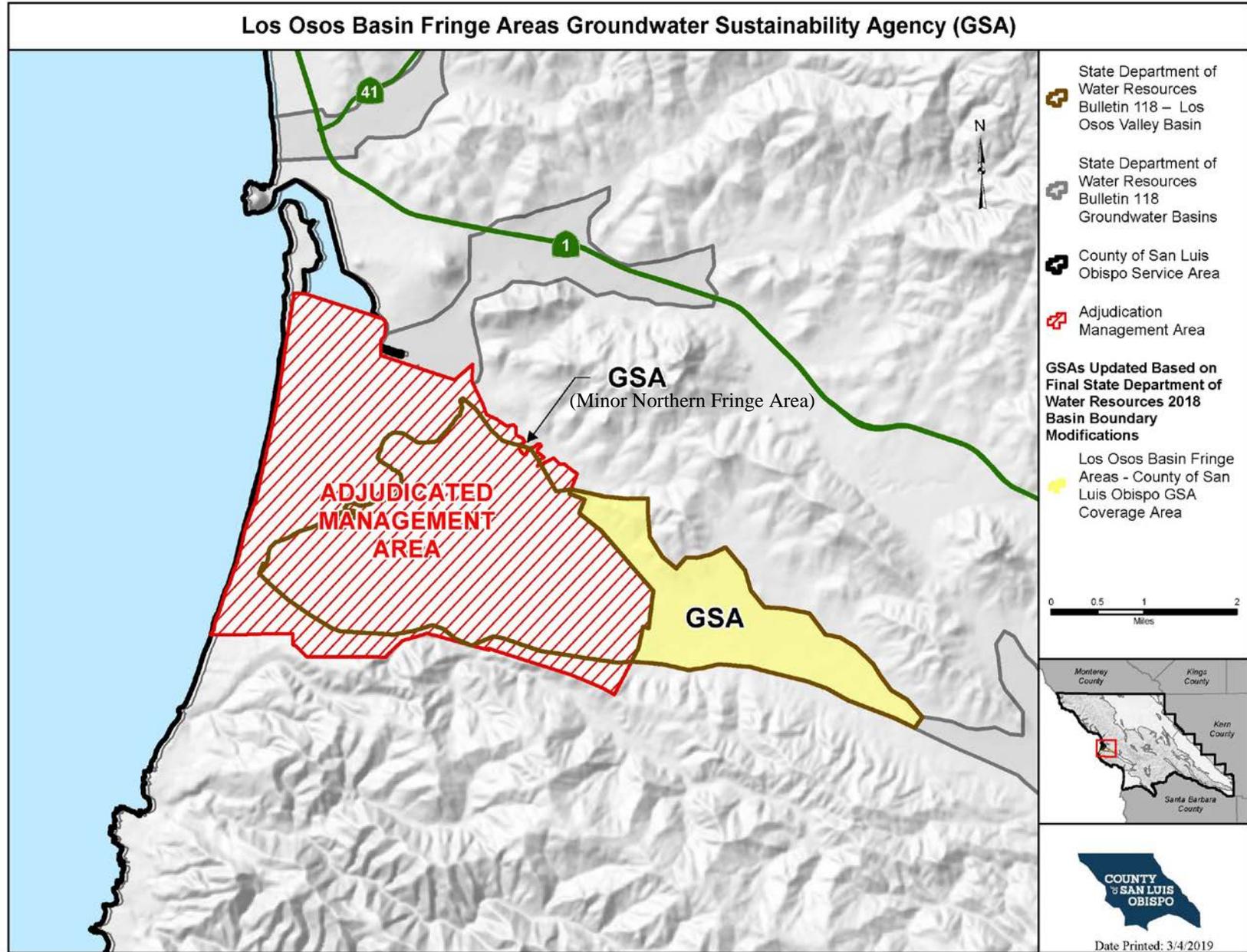
⁵ Critical conditions of overdraft have been identified in 21 groundwater basins as described in Bulletin 118 (Water Code Section 12924). Bulletin 118 (updates 2003) defines a groundwater basin subject to condition of critical overdraft as: "A basin is subject to critical conditions of overdraft when continuation of present water management practices would probably result in significant adverse overdraft-related environmental, social, or economic impacts."

⁴ As noted by DWR, the priority for the subbasin has been set to very low (0 total priority points) as a result of conditions being met under the sub-component C of the Draft SGMA 2019 Basin Prioritizations.

LOS OSOS VALLEY GROUNDWATER BASIN (DWR No. 3-008)



LOS OSOS VALLEY GROUNDWATER BASIN (DWR No. 3-008)



Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3	SO4	Ca	Mg	K	Na
					mg/l	mg/l	umhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l
30S/10E-11A2	Sand Spit #1 East	LA2	D	3/14/2005	180	4600	16000	7.3	8900	5400	ND	430	770	640	20	1300
				10/21/2015	150	6640	17700	7.4	13100	6300	ND	740	1030	990	31	1560
30S/10E-12J1	MBO5 DWR Obs.	LA11	E	2/14/2005	350	370	1300	8.1	840	77	ND	190	51	58	6.1	110
				11/20/2009	300	360	1150	7.5	732	83	ND	190	51	58	4.4	95
				7/24/2014	360	489	1290	7.7	780	105	ND	212	69	77	5	88
				4/22/2015	360	475	1290	7.8	810	112	ND	189	65	76	5	88
				10/1/2015	250	486	1280	7.3	840	117	ND	188	68	77	4	85
				4/20/2016	330	524	1370	n/a	840	151	ND	193	73	40	5	83
				10/10/2016	350	497	1370	7.1	930	173	ND	189	69	79	4	81
				4/11/2017	350	541	1380	7.5	880	167	ND	186	75	86	4	81
				10/4/2017	300	543	1370	7	850	162	ND	191	76	86	5	90
				4/10/2018	350	595	1390	7.6	820	173	ND	192	85	93	5	97
				10/2/2018	350	497	1340	7.4	870	160	ND	160	69	79	3	87
				4/9/2019	350	539	1430	7.4	860	196	ND	189	76	85	4	85
				30S/10E-13J1*	GSWC Rosina	LA10	D	12/20/2004	72	230	720	7.1	410	150	7	14
1/14/2010	35	260	778					6	435	200	7.1	13	41	38	1.5	33
7/24/2014	80	418	1200					7.3	910	303	7.6	16	67	61	2	39
4/22/2015	80	431	1230					7.1	750	331	8.3	20	69	63	2	39
10/5/2015	70	460	1280					7	950	329	7.3	19	74	67	2	41
4/26/2016	80	412	1170					7.1	840	299	8	18	66	60	2	37
10/12/2016	60	509	1430					6.8	1100	389	8	26.7	82	74	2	44
4/10/2017	80	327	957					6.9	720	231	11.7	14.7	52	48	2	35
10/12/2017	80	245	702					6.9	510	164	15	12.5	39	36	2	33
4/24/2018	70	188	620					7.4	400	136	19	12.3	29	28	1	29
10/9/2018	70	265	730	7.1	450	152	14.2	12.7	42	39	2	34				
4/15/2019	80	251	744	7	600	174	8.6	10.4	38	38	2	31				
30S/10E-13M2	Howard East	LA31	C,D	11/22/2004	51	810	2900	7.3	1500	810	2.4	140	60	120	4.7	210
				12/9/2009	55	1100	3740	7.1	2170	1100	2.2	220	160	160	4.8	370
				8/4/2014	60	757	3340	7.1	2450	990	2.5	178	117	113	5	382
				4/21/2015	60	739	3430	7.3	1930	950	2.5	178	117	113	5	382
				10/6/2015	30	756	3370	7.1	2140	960	2.4	185	115	114	5	342
				4/20/2016	50	726	3520	7.2	2190	941	3.1	179	113	108	5	400
				10/19/2016	70	722	3420	7.4	2190	943	2.8	182	113	107	4	398
				4/17/2017	60	733	3380	6.8	2060	907	2.6	178	114	109	4	413
				10/5/2017	60	738	3350	7.5	2190	960	3.1	160	116	109	5	411
				4/24/2018	70	664	3370	7.2	2020	946	2.8	2.8	103	99	4	367
10/17/2018	60	740	3400	7.3	2180	834	2.7	153	115	110	5	414				
4/3/2019	70	640	3290	7.8	2010	940	2.8	179	103	93	4	341				

Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3	SO4	Ca	Mg	K	Na
					mg/l	mg/l	umhos/cm		mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	
30S/10E-13N	S&T #5	LA8	D	11/23/2004	42	80	390	6.9	200	67	26	9.2	13	12	1.7	38
				11/19/2009	41	89	386	6.8	267	73	27	11	15	13	1.4	38
				7/24/2014	50	100	438	7.4	270	76	31	10	17	14	2	38
				4/21/2015	50	98	445	6.9	280	77	33.9	11	16	14	2	38
				10/6/2015	40	98	422	7.2	310	75	30	10	16	14	1	38
				4/20/2016	20	97.5	446	7	320	76	32	12	16	14	1	38
				10/13/2016	50	104	470	8	320	79	31.9	12	17	15	1	40
				4/11/2017	50	100	434	7.4	270	77	32.4	12.4	17	14	1	38
				10/2/2017	30	95	438	7.2	290	78	33.5	13.2	15	14	1	36
				4/11/2018	60	104	440	7	260	79	34.8	13.5	17	15	1	39
				10/3/2018	60	107	430	6.5	340	66	29.5	12.9	18	15	2	40
4/3/2019	50	100	434	6.3	250	75	32.1	12.7	17	14	1	36				
30S/10E-14B2**	Sand Spit #3 Deep	LA3	D	3/15/2005	100	3600	30000	8	17000	8500	ND	960	1200	130	34	4300
				10/21/2015	ND	7140	29500	11	24700	10000	ND	530	2830	20	80	4040
30S/10E-24C1	GSWC Cabrillo	LA9	D	12/20/2004	64	130	610	7	310	110	20	19	22	19	1.6	50
				11/20/2009	60	150	611	7.1	347	130	18	22	23	22	1.6	52
				7/24/2014	40	69	339	7.6	240	46	37	6	11	10	1	32
				4/22/2015	70	117	530	7.3	320	95	24.2	16	19	17	2	45
				10/5/2015	50	75	349	7.6	270	50	33.4	7	12	11	1	34
				4/26/2016	70	115	499	7	300	90	24.6	16	18	17	2	44
				10/12/2016	70	111	506	7.1	320	93	24.4	15.1	18	16	1	44
				4/10/2017	70	111	490	7	310	89	25.1	15.9	18	16	1	43
				10/12/2017	70	117	484	7	270	89	26.7	16.3	19	17	2	46
				4/24/2018	70	115	486	7.8	300	90	27.2	16.7	18	17	1	43
10/9/2018	60	135	477	6.9	280	76	25.7	17.2	21	20	2	50				
4/15/2019	70	112	488	7.1	310	92	25.4	15.6	17	17	2	45				
30S/11E-7Q3	LOCSD 8th St.	LA12	D	11/18/2004	250	270	790	7.5	410	73	ND	39	44	40	2.3	48
				11/19/2009	220	290	782	7.4	465	92	ND	46	46	42	1.9	53
				7/23/2014	290	303	876	7.6	460	91	ND	43	49	44	2	54
				4/21/2015	290	305	897	7.7	500	101	ND	55	48	45	2	59
				10/6/2015	280	298	828	7.4	490	91	ND	46	47	44	2	55
				4/20/2016	190	307	907	7.7	520	91	ND	49	49	45	2	54
				10/11/2016	280	278	827	4.9	490	93	ND	46.2	44	41	2	52
				4/10/2017	300	294	839	7.3	480	91	ND	49.5	47	43	2	54
				10/4/2017	220	305	826	6.5	470	92	ND	45	48	45	2	56
				4/10/2018	300	319	814	7.7	440	93	ND	46.2	52	46	2	56
10/2/2018	290	283	822	7.3	470	78	ND	50.1	46	41	1	53				
4/9/2019	300	301	844	7.5	480	94	ND	49.7	48	44	2	53				

Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3	SO4	Ca	Mg	K	Na
					mg/l	mg/l	umhos/cm		mg/l							
30S/11E-17E8	So. Bay Obs. Middle	LA22	D	1/14/2005	150	150	440	7.5	290	34	9.7	11	24	22	1.4	28
				11/20/2009	120	160	455	7.3	255	42	19	12	25	23	1.3	29
				7/23/2014	150	166	500	7.6	270	43	28	10	27	24	2	28
				4/21/2015	150	157	481	7.6	270	49	31.4	13	25	23	1	28
				10/1/2015	120	164	475	7.4	290	44	29.2	10	26	24	1	28
				4/19/2016	150	164	476	6.9	290	45	30.5	12	26	24	1	29
				10/13/2016	140	161	521	7.3	290	46	30.6	11.9	25	24	1	29
				4/13/2017	150	164	466	7.3	300	46	29.7	13.2	26	24	1	29
				10/11/2017	150	168	476	7.7	260	47	32	14	26	25	1	29
				4/16/2018	150	165	473	6.4	310	47	29.7	14.2	25	25	1	29
				10/10/2018	150	160	471	7.5	250	43	26.9	15	26	23	1	28
4/10/2019	180	153	466	7.2	290	46	25.5	13.6	25	22	1	28				
30S/11E-17N10	GSWC So. Bay #1	LA20	C,D,E	Jan 2003	250	--	510	7.1	290	37	ND	21	41	25	1.3	35
				11/20/2009	230	220	638	7.3	357	41	2.4	30	35	33	1.7	37
				7/24/2014	280	232	646	7.7	370	37	2.3	24	37	34	2	41
				4/22/2015	290	234	653	7.4	360	43	2.5	27	36	35	2	42
				10/5/2015	280	227	614	7.2	370	38	2.4	23	35	34	2	41
				4/26/2016	230	227	629	7.1	360	39	2.6	27	35	34	2	40
				10/12/2016	290	221	631	7	370	40	2.5	25.2	34	33	2	40
				4/10/2017	280	227	624	7.2	380	39	2.7	26.7	35	34	2	40
				10/12/2017	260	240	583	6.6	320	41	2.9	27.9	37	36	2	43
				4/24/2018	200	166	515	7.4	330	43	14.1	23.2	27	24	2	31
10/9/2018	290	273	632	7.2	340	38	2.8	29.2	42	41	3	47				
4/15/2019	200	181	559	7.4	310	42	13.7	21.7	28	27	2	34				
30S/11E-18K8	10th St. Obs. East (Deep)	LA18	E	1/19/2005	260	290	650	7.5	370	33	ND	38	62	33	2.5	28
				11/20/2009	230	220	620	7.5	378	32	ND	40	51	24	1.8	23
				7/24/2014	290	271	647	7.5	380	28	ND	34	56	32	2	27
				4/21/2015	290	265	634	7.7	400	33	ND	39	55	31	2	27
				10/19/2015	230	256	621	7.3	370	29	ND	33	53	30	2	26
				4/20/2016	190	265	700	7.5	390	31	ND	38	55	31	2	26
				10/18/2016	290	256	615	6.8	370	31	ND	35.9	53	30	2	26
				4/12/2017	290	274	616	7.5	450	31	ND	38	57	32	2	27
				10/10/2017	220	271	619	7.8	350	30	ND	35.5	56	32	2	27
				4/17/2018	290	260	625	7.3	390	33	ND	39.9	53	31	2	27
10/10/2018	290	254	608	7.5	360	31	ND	39.8	54	29	2	26				
4/10/2019	290	245	620	7.6	380	32	ND	37.4	52	28	2	25				

Water Quality Results - Lower Aquifer Monitoring

Station ID	Well Name	Basin Plan Well ID	Aquifer Zone	Date	HCO3	Total Hardness	Cond	pH	TDS	Cl	NO3	SO4	Ca	Mg	K	Na
					mg/l	mg/l	umhos/cm		mg/l							
30S/11E-18K9	LOCSD 10th St.	LA32	C,D	May 2002	250	--	550	6.9	320	37	1	26	31	32	--	39
				11/20/2009	180	160	539	7.2	307	36	4.6	27	27	24	1.3	32
				7/23/2014	220	190	546	7.7	300	32	4.3	20	30	28	1	35
				4/21/2015	190	108	504	7.6	270	38	7	20	17	16	1	27
				10/6/2015	50	62	248	7.2	190	31	26.2	3	10	9	ND	21
				4/20/2016	130	121	382	7.5	220	32	14.6	12	19	18	1	27
				10/11/2016	200	168	511	6.6	270	36	5.3	21.5	26	25	1	34
				4/10/2017	190	155	461	7.3	270	35	8.4	19.1	24	23	1	31
				10/9/2017	200	168	493	7.6	270	36	6.3	23.1	26	25	1	33
				4/10/2018	50	75.2	256	7.7	150	35	28.6	28.6	12	11	ND	23
				10/2/2018	210	168	492	7.3	270	36	5.9	22	26	25	ND	33
4/9/2019	200	172	474	7.6	270	34	6.9	21.5	26	26	1	33				
30S/11E-18L2***	LOCSD Palisades	LA15	D,E	11/18/2004	220	330	880	7.3	420	120	ND	31	54	48	2.2	40
			D,E	11/19/2009	200	590	1460	7.2	890	360	1.8	39	94	86	2	44
			D	7/23/2014	250	293	783	7.8	390	90	1.8	26	48	42	2	40
			D	4/29/2015	80	78	348	7.4	230	43	22	10	13	11	ND	30
			D	10/28/2015	230	288	782	7.4	420	104	2.8	29	46	42	ND	36
			D	4/27/2016	230	264	796	7.3	450	93	4.1	28	43	38	2	43
			D	10/11/2016	200	221	694	7	380	91	7.3	25.5	36	32	1	35
			D	10/5/2017	180	306	768	7.6	400	102	3.3	27	50	44	2	40
			D	4/10/2018	250	311	767	7.3	420	100	3.4	32.4	52	44	2	40
			D	10/23/2018	250	288	772	7.7	440	83	2.8	30.7	48	41	1	38
4/9/2019	250	301	774	7.4	460	102	3.7	29.2	48	44	1	38				

ND = Not Detected

Chloride Metric Wells in Green (13J1 weighted x2); current chloride concentrations in red field measurements in blue

*Chloride concentrations at 13J1 have varied seasonally by 100+ mg/l, and are affected by well production, so fluctuations are expected.

***Water from 18L2 affected by borehole leakage/upper aquifer influence when inactive

Table 2 Legend and Detection Limits

Constituent	Description	Practical Quantitation Limit*
HCO3	Bicarbonate Alkalinity in mg/L CaCO3	10.0
Total Hardness	Total Hardness in mg/L CaCO3	--
Cond	Electrical Conductance in umhos/cm	1.0
pH	pH in pH units	--
TDS	Total Dissolved Solids in mg/L	20.0
Cl	Chloride concentration in mg/L	1.0
NO3	Nitrate concentration in mg/L	0.5
SO4	Sulfate concentration in mg/L	2.0
Ca	Calcium concentration in mg/L	1.0
Mg	Magnesium concentration in mg/L	1.0
K	Potassium concentration in mg/L	1.0
Na	Sodium concentration in mg/L	1.0

*where dilution not required

TO: Los Osos Basin Management Committee

FROM: Rob Miller, Interim Executive Director

DATE: July 17, 2019

SUBJECT: Item 7a – Update on Status of Basin Plan Infrastructure Projects

Recommendations

Receive report and provide input to staff for future action.

Discussion

The Basin Management Plan for the Los Osos Groundwater Basin (Plan) was approved by the Court in October 2015. The Plan provided a list of projects that comprise the Basin Infrastructure Program (Program) that were put forth to address the following immediate and continuing goals:

Immediate Goals

1. Halt or, to the extent possible, reverse seawater intrusion into the Basin.
2. Provide sustainable water supplies for existing residential, commercial, community and agricultural development overlying the Basin.

Continuing Goals

1. Establish a strategy for maximizing the reasonable and beneficial use of Basin water resources.
2. Provide sustainable water supplies for future development within Los Osos, consistent with local land use planning policies.
3. Allocate costs equitably among all parties who benefit from the Basin's water resources, assessing special and general benefits.

The Program is divided into five parts, designated Programs A through D and Program M. Programs A and B shift groundwater production from the Lower Aquifer to the Upper Aquifer, and Programs C and D shift production within the Lower Aquifer from the Western Area to the Central and Eastern Areas, respectively. Program M was also established in the Basin Management Plan for the development of a Groundwater Monitoring Program (See Chapter 7 of the BMP), and a new lower aquifer monitoring well in the Cuesta by the Sea area was recommended in the 2015 Annual Report. Program U is the Urban Water Reinvestment Program that addresses the use of recycled water within the Basin. The attached table provides a comprehensive project status and summary.

Project Name	Parties Involved	Funding Status	Capital Cost	Status
Program A				
Water Systems Interconnection	LOCSD/ GSWC	Completed		
Upper Aquifer Well (8 th Street)	LOCSD	Fully Funded	\$250,000	Well was drilled and cased in December 2016. Budget remaining \$250,000 to equip the well. Design is 100% complete and project has been selected for IRWM matching funds which will be available in Q1 of 2020. Bidding will take place in Q4 of 2019, with completion of construction by Q3 2020.
South Bay Well Nitrate Removal	LOCSD	Completed		
Palisades Well Modifications	LOCSD	Completed		
Blending Project (Skyline Well)	GSWC	Fully funded	\$1.15 mil	Completed
Water Meters	S&T	Completed		
Program B				
LOCSD Wells	LOCSD	Not Funded	BMP: \$2.7 mil	Project not initiated
GSWC Wells	GSWC	Not Funded	BMP: \$3.2 mil	Project not initiated
Community Nitrate Removal Facility	LOCSD/GSWC	Partial, GSWC portion funded	GSWC: \$1.23 mil	GSWC's Program A Blending Project allows for incremental expansion of the nitrate facility and can be considered a first phase in Program B.

Project Name	Parties Involved	Funding Status	Capital Cost	Status
Program C				
Expansion Well No. 1 (Los Olivos)	GSWC			Completed
Expansion Well No. 2	LOCSD is currently leading the project with potential GSWC and S&T involvement, depending on final location	LOCSD is currently leading the project with respect to funding	BMP: \$2.0 mil	Property acquisition phase is on-going through efforts of LOCSD. Four sites are currently being reviewed and a community workshop was held on 8/30/2018. Due to community concerns over siting, environmental review and permitting is expected to be on going through Q1 of 2020, with construction complete by Q1 of 2021. The LOCSD authorized the preparation of bid documents for a test well at Site A (Los Osos Middle School) at their 11/1/18 meeting. Draft documents have been prepared, and a detailed plan was presented to the School District on 3/18/19. School District approval is pending as of this writing but is expected before the end of the summer break.
Expansion Well 3 and LOVR Water Main Upgrade	GSWC/LOCSD	Cooperative Funding	BMP: \$1.6 mil	This project has been deferred under Adaptive Management.
LOVR Water Main Upgrade	GSWC	May be deferred	BMP: \$1.53 mil	Project may not be required, depending on the pumping capacity of the drilled Program C wells. It may be deferred to Program D.
S&T/GSWC Interconnection	S&T/GSWC	Pending	BMP: \$30,000	In conceptual design
Program M				
New Zone D/E lower aquifer monitoring well in Cuesta by the Sea	All Parties	Funded through BMC Budget	\$115,000	A wetlands delineation was completed in July 2018. A Minor Use Permit was approved on February 1, 2019. The project has received an encroachment permit and bids have been received (see item 7b). The project implementation cost has been included in the 2019 budget.

Program U				
Creek Discharge Program	All Parties	Funded through BMC Budget/grants	\$582,000 through feasibility phase	The 2019 budget includes funding for limited baseline monitoring and Soil Aquifer Treatment evaluation in the amount of \$50,000. A consultant proposal is being prepared and should be before the BMC at the next meeting.

TO: Los Osos Basin Management Committee

FROM: Rob Miller, Interim Executive Director

DATE: July 17, 2019

SUBJECT: Item 7b: Review and Approve Construction Bid for Cuesta by the Sea Monitoring Well

Recommendations

Staff recommends that the Committee approve construction bid from Filipponi & Thompson Drilling, Inc. for the installation of the Cuesta by the Sea Monitoring Well in the amount of \$90,720 and establish a total construction budget of \$100,000.

Discussion

A Minor Use Permit (MUP)/Coastal Development Permit was issued by the County of San Luis Obispo, for construction of this well. This application was prepared by Wallace Group, and was issued to the adjoining landowner (Elizabeth Kirkby) for the Work.

Project Plans and Specifications for this well were prepared by Cleath-Harris Geologists and Wallace Group, and the project was bid in April 2019, with bid opening May 16, 2019. A total of six bids were received. The three lowest bids were evaluated, and the lowest responsive bidder was determined to be Filipponi and Thompson, with a bid of \$90,720. The engineer's estimate for this project was \$100,000. The bid evaluation summary report is attached to this staff report.

Financial Considerations

The project construction cost for the Cuesta by the Sea groundwater monitoring well was estimated at \$100,000. With the recommended low bid of \$90,720, and a 10% construction contingency, this Project will be within the budget established by the BMC. Parties to the BMC will need to reimburse the LOCSD for their pro-rata share of the cost. It is also noted that Cleath-Harris Geologists was already awarded a contract by the BMC for \$15,000 for this Project, and has sufficient funds remaining to provide consulting services to see this Project through construction.

In order for SLO County to contribute its share of the project cost, an agreement will be required between the County and LOCSD that will be approved by the Board of Supervisors. In order to maintain the current bid price, staff recommends proceeding with the work in parallel with the agreement process, if feasible.

MEMORANDUM

Los Osos Basin Management Committee Lupine Street Groundwater Monitoring Well



Date: May 30, 2019
To: Renee Osborne, General Manager, LOCSO
From: Rob Miller, PE, District Engineer
Subject: Bid Evaluation - Lupine Street Groundwater Monitoring Well

SUMMARY: The lowest, responsive, responsible bidder for the subject Project is determined to be Filipponi & Thompson. Wallace Group recommends award of this Project to Filipponi & Thompson, in the amount of \$90,720.

Background

Bids for the subject Project were received and opened on Thursday, May 16, 2019. A total of six bids were received, and the bid opening summary is attached to this memorandum. Bids from the three lowest bidders (Filipponi & Thompson, All American Drilling, AB Liovin Drilling) were reviewed in detail, for compliance with the bidding instructions and overall bidding requirements. The table on Page 2 of this memorandum summarizes the bid analysis and results.

All three bids and bidders were deemed responsive. Both F&T and All American Drilling had minor discrepancies in their bid amounts, but not of any significance to impact the lowest responsive bidder, determined to be Filipponi & Thompson. F&T's bid of \$90,720 in the written form is the bid amount accepted.

The Engineer's Estimate and budget for the construction of this Project was established at \$100,000.

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Bid Item	Three Lowest Bidders		
	Filipponi & Thompson	All American Drilling	AB Liovin Drilling
Proposal Form (signed)	✓	✓	✓
Bidder's Bond	✓ CC	✓ CC	✓ BB
Experience Qualifications	✓	✓	✓
Contractor's Licensing Statement	✓	✓	✓
Proof of Registration with DIR	✓	✓ Note 1	✓
List of Subcontractors	✓ Boredata Inc.	✓ Rockin CJ Transport ² ; BoreData Inc	✓ American Integrated Services, Inc.
Non-Collusion Affidavit	✓	✓	✓
Affirmative Action Certificate	✓	✓	✓
Worker's Compensation Certificate	✓	✓	✓
Acknowledge Addendum No. 1	✓	✓	✓
Bid Deemed Responsive	✓	✓	✓
Base Bid	90,720	99,235	126,500

¹Submitted proof of DIR registration is expired, dated 6/30/18. This will be OK so long as current DIR registration is valid prior to award.

²Submitted proof of DIR registration is expired, dated 6/30/16. This will be OK so long as current DIR registration is valid prior to award.

BB=Bid Bond
 CC=Cashier's Check

Engineer's Estimate
\$ 100,000

**LOS OSOS COMMUNITY SERVICES DISTRICT
LUPINE STREET GROUNDWATER MONITORING WELL
BID OPENING REPORT**

BID OPENING 2:00 PM, THURSDAY MAY 16, 2019
BID OPENING LOCATION: 2122 9TH STREET, LOS OSOS, CA 93402



COMPANY NAME	APPARENT LOW BID	OTHER SUBCONTRACTORS	TOTAL BASE BID	TOTAL ALTERNATE COST
Yellow Jacket Drilling		-----	\$ 189,800	\$ -----
Hippoi & Thompson Drilling		-----	\$ 90,720	\$ -----
ABC Lion Drilling		-----	\$ 126,500	\$ -----
Normal Pump & Well Drilling		-----	\$ 154,875	\$ -----
Pacific Coast Well Drilling		-----	\$ 163,656	\$ -----
All American Drilling		-----	\$ 99,235	\$ -----
		-----	\$ -----	\$ -----
		-----	\$ -----	\$ -----
		-----	\$ -----	\$ -----
		-----	\$ -----	\$ -----

TO: Los Osos Basin Management Committee

FROM: Rob Miller, Interim Executive Director

DATE: July 17, 2019

SUBJECT: Item 7c. Update on Request for Qualifications for BMC Executive Director

Recommendations

Receive update and set schedule and process for consultant interviews.

Discussion

In May 2019 the BMC approved a Request for Qualifications to be sent to potential candidates for the Executive Director position. The schedule and process provided by staff in May is as follows:

- BMC to approve RFQ, issue document to consultants, and designate two directors to serve on interview team – May 2019
- Statements of Qualifications due from consultants – June 27, 2019
- Interviews and selection team assembles recommendation – July 2019
- BMC selects Executive Director – August 2019
- New Executive Director assists Rob Miller in preparation of agenda package for October and December meetings, including preparation of 2020 budget
- New Executive Director assumes full duties – January 2020

Four Statements of Qualifications have been received from interested consultants. The name of the firm and the individual proposed for the position are summarized below:

- Monsoon Consultants from San Luis Obispo, with Blaine Reely, PhD, PE
- Water Systems Consultants, Inc from San Luis Obispo, with Dan Heimel, PE, MS
- James Bishop, PG (Professional Geologist) from Los Osos, acting as an independent consultant
- Hagemann & Associates from Atascadero, with Brad Hagemann, PE

Given that all BMC directors may wish to participate in the interview process, legal staff is assisting with the appropriate Brown Act protocols, and an update will be provided at the meeting.

Financial Considerations

The RFQ describes the BMC's budget allocation for administration, but acknowledges that adjustments may be required, depending on the consultant selected. If required, such an adjustment would occur with the 2020 budget.