



**SPECIAL NOTICE REGARDING
CORONAVIRUS DISEASE 2019 (COVID-19)
AND PARTICIPATION IN PUBLIC MEETINGS**

On March 4, 2020, Governor Newsom declared a State of Emergency resulting from the threat of COVID-19. On September 16, 2021, Governor Newsom signed Assembly Bill No. 361 into law. Assembly Bill No. 361 amends Government Code section 54953(e) by adding provisions for remote teleconferencing participation in meetings by members of a legislative body, without the requirements of Government Code section 54953(b)(3), subject to the existence of certain conditions. The San Bernardino Valley Municipal Water District adopted a resolution determining, by majority vote, that, as a result of the declared State of Emergency, a meeting in person would present imminent risks to the health or safety of attendees. Accordingly, it has been determined that all Board and Workshop meetings of the San Bernardino Valley Municipal Water District will be held pursuant to the Brown Act and will be conducted via teleconference. There will be no public access to the meeting venue.

**BOARD OF DIRECTORS WORKSHOP - POLICY
THURSDAY, JANUARY 13, 2022 – 2:00 P.M.**

PUBLIC PARTICIPATION

Public participation is welcome and encouraged. You may participate in the January 13, 2022, meeting of the San Bernardino Valley Municipal Water District online and by telephone as follows:

Dial-in Info: (877) 853 5247 US Toll-free

Meeting ID: 831 7559 3663

PASSCODE: 3802020

<https://sbvmwd.zoom.us/j/83175593663>

If you are unable to participate online or by telephone, you may also submit your comments and questions in writing for the District's consideration by sending them to comments@sbvmwd.com with the subject line "Public Comment Item #" (insert the agenda item number relevant to your comment) or "Public Comment Non-Agenda Item". Submit your written comments by 6:00 p.m. on Wednesday, January 12, 2022. All public comments will be provided to the Chair and may be read into the record or compiled as part of the record.

IMPORTANT PRIVACY NOTE: Participation in the meeting via the Zoom app is strongly encouraged. Online participants MUST log in with a Zoom account. The Zoom app is a free download. Please keep in mind: (1) This is a public meeting; as such, the virtual meeting information is published on the World Wide Web and available to everyone. (2) Should you participate remotely via telephone, your telephone number will be your "identifier" during the meeting and available to all meeting participants; there is no way to protect your privacy if you elect to call in to the meeting.



SAN BERNARDINO VALLEY MUNICIPAL WATER DISTRICT
380 E. Vanderbilt Way, San Bernardino, CA 92408

BOARD OF DIRECTORS WORKSHOP - POLICY

AGENDA

2:00 PM Thursday, January 13, 2022

CALL TO ORDER

Chairperson: Director Botello

Vice-Chair: Director Kielhold

1) INTRODUCTIONS

2) PUBLIC COMMENT

Any person may address the Board on matters within its jurisdiction.

3) SUMMARY OF PREVIOUS MEETING

3.1 Board of Directors' Workshop - Policy - December 9, 2021 (Page 3)
[Summary Notes BOD Workshop - Policy 120921](#)

4) DISCUSSION ITEMS

4.1 Discuss State and Federal Legislative Update (Page 11)
[Staff Memo - Discuss State and Federal Legislative Update](#)

4.2 Update on the Delta Conveyance Project (Page 13)
[Staff Memo - Update on the Delta Conveyance Project](#)

4.3 Consider Contract Amendments with Geoscience Support Services and Balleau Groundwater to Address Review Comments on the Integrated Water Quality Model (Page 16)
[Staff Memo - Consider Contract Amendments with Geoscience Support Services and Balleau Groundwater to Address Review Comments on the Integrated Water Quality Model](#)
[Proposed Geoscience Scope of Work and Fee](#)
[Proposed Balleau Groundwater Scope of Work and Fee](#)

5) FUTURE BUSINESS

6) **ADJOURNMENT**

PLEASE NOTE:

Materials related to an item on this Agenda submitted to the Board after distribution of the agenda packet are available for public inspection in the District's office located at 380 E. Vanderbilt Way, San Bernardino, during normal business hours. Also, such documents are available on the District's website at www.sbvmd.com subject to staff's ability to post the documents before the meeting. The District recognizes its obligation to provide equal access to those individuals with disabilities. Please contact Melissa Zoba at (909) 387-9228 two working days prior to the meeting with any special requests for reasonable accommodation.



DATE: January 13, 2022

TO: Board of Directors Workshop – Policy

FROM: Staff

SUBJECT: Summary of December 9, 2021, Board of Directors Workshop – Policy

The Policy Workshop convened on December 9, 2021, via Zoom teleconference. Director Botello chaired the meeting.

Directors Present: President Kielhold, Vice President Hayes, Director Botello, Director Harrison, and Director Longville.

Staff Present:

Heather Dyer, MS, MBA – Chief Executive Officer/General Manager
Jose Macedo, ML, CPT-P (USA Retired) – Chief of Staff/Clerk of the Board
Cindy Saks, CPA – Deputy General Manager/Chief Financial Officer
Bob Tincher, PE, MS – Deputy General Manager/Chief Water Resources Officer
Melissa Zoba, MBA, MPA – Chief Information Officer

Kristeen Farlow, MPA – Strategic Communications Manager
Anthony Flordelis – Business Systems Analyst
Adekunle Ojo, MPA – Water Resources Manager
Shavonne Turner – Water Conservation Program Manager

Members of the Public Present:

Ron Coats, East Valley Water District
Haili Matsukawa, WSC
Jeff Szytel, WSC
Nyles O’Harra, Yucaipa Valley Water District
David E. Raley, San Bernardino Valley Water Conservation District
Melody McDonald, San Bernardino Valley Water Conservation District

1. Introductions

Melody McDonald of San Bernardino Valley Water Conservation District announced Betsy Miller will be the new General Manager upon the departure of current General Manager Daniel Cozad.

Chief Executive Officer/General Manager Heather Dyer introduced staff members present.

2. Public Comment

Chair Gil Botello invited public comment. There was none.

3. Summary of Previous Meeting

The summary notes from the November 18, 2021, Board of Directors Workshop – Policy were accepted with no comments.

4.1 Discuss Board of Directors Leadership Development Opportunity

Chief Executive Officer/General Manager Heather Dyer reminded the Board that at the meeting of November 16, 2021, it had been requested that staff investigate and return to the Board with a proposal for Board leadership development training to be facilitated by a professional expert.

Upon investigation of potential facilitators and proposals, Craig Miller, General Manager of the Western Municipal Water District (Western), highly recommended Nate Sassaman who has facilitated for Western on several occasions, Dyer reported.

A proposal received from Mr. Sassaman suggested two half-day trainings at a cost of \$5,745 with the following objectives:

- Understanding fundamentals of team dynamics
- Constructive debate
- Owning and fixing issues
- Establishing trust
- Listening skills
- Accountability

If the Board moves forward, Ms. Dyer advised, a decision must be made whether to host the exercise in Valley District's board room or offsite.

Vice President Hayes suggested the half days be split by lunch, giving the attendees time to network. She also suggested that offsite meetings are more conducive to creative thinking.

Director Longville supported the recommendation and opined the board workshop room would be an excellent location. She suggested inclusion of conflict resolution.

Director Harrison reported favorable reviews of Mr. Sassaman's work by several water district leaders. He then opined that an offsite meeting would be preferable, such as a restaurant.

President Kielhold agreed that it is great to build on accomplishments and to move forward even stronger, and said he has no preference as to venue.

Chair Botello concurred and indicated he would prefer 10:00 a.m. to 3:00 p.m. including lunch. He said he had no preference as to venue.

Following discussion regarding scheduling, Ms. Dyer stated she will move forward with an offsite location and a start time of 10 a.m. after polling the Board regarding dates prior to the scheduled February 23, 2022, Strategic Planning Reconnect Workshop. She will commence agenda preparation for both workshops.

4.2 Discuss Proposed Questions for an Online Survey and Community Board

Strategic Communications Manager Kristeen Farlow advised the Board this is a critical component of the Strategic Communications and Engagement Plan to capture high-level feedback.

Haili Matsukawa of WSC provided detail on the Social Pinpoint survey tool to be used to gain an understanding of Valley District's stakeholders as to the extent of their knowledge of Valley District and their topics of interest. The input will allow tailoring of communication strategies for maximum impact, she explained.

Social Pinpoint creates a series of different custom reports which can be shared with the Board and its interested partners, she added, and noted previous successes using the tool. If there are topics not reflected in the survey that that Board would like to cover, Ms. Matsukawa requested comments be shared directly with Ms. Farlow.

In response to President Kielhold, Ms. Matsukawa explained that "stakeholders" refers to the general public, but is designed here to obtain input from ratepayers, community members, educational institutions, retailers, and those who self-identify as people who know Valley District. She described the ranking features of the survey tool.

Director Longville inquired about how and when to provide feedback. Ms. Matsukawa clarified that major changes such as a high-level suggestion changing the nature of the survey would be appropriate here, but that minor edits should be sent to Kristeen Farlow.

Director Longville pointed out that this is outreach to a targeted group but wondered whether those who self-identify do so as people who live in Valley District's service area and if they could be sorted accordingly. She pointed to the outreach work of the Sterling Natural Resources Center and requested similar targeted lists be included in the Social Pinpoint release, along with frontline communities and local grassroots environmentalists.

Ms. Matsukawa assured the survey includes a question on the city where the respondent lives, and a question asking people to self-identify as to type of stakeholder.

Vice President Hayes warned of a general lack of citizen awareness and willingness to respond. The willingness of cities or others to facilitate bill inserts should be considered, as they involve a cost, Hayes noted. She stated that she was not opposed to the project but is skeptical.

Director Longville suggested adding county islands to Question No. 4. Ms. Matsukawa replied that she would include them.

Kristeen Farlow continued the presentation. The goal of Social Pinpoint is to close the gap between "where we are and where we want to be," and she listed the related actions. She described the marketing plan including print ads, social media, press releases, e-blasts, Valley District's website, and appearances at public meetings.

Director Hayes asked how this survey would be distributed. Ms. Farlow explained targeted social media and gave the example of the Louis Robidoux Nature Center. She added that the more targeted the ad, the more expensive.

Ms. Farlow responded positively to President Kielhold's query about links on city websites and emphasized the importance of educating retailers on the value of their assistance in marketing the survey.

Ms. Matsukawa stressed that overcoming the challenges of reaching stakeholders is what the Strategic Communications and Engagement Plan is intended to accomplish. The survey is not the end result, she said, but an opportunity for feedback to help implement a more strategic and more complete plan. She acknowledged that it will be a bit of an experiment in terms of understanding the best way to connect with stakeholders and reiterated the outreach plans.

Chair Botello advised that newspaper ads placed in free community newspapers, monthlies, or weeklies are more affordable than those placed in traditional newspapers.

Valley District constituents traditionally do not participate in the process, Director Botello stated, and it will be difficult to reach those individuals. He reminded the Board of his suggestion that the project be piloted in community colleges and California State University and predicted that, otherwise, responses will be skewed. He stressed that following up press releases with Board members' media contacts and encouraging them to interview Board and staff would be important.

Director Botello emphasized that staff needs to make sure Valley District is part of other organizations' agendas, suggested door hangers with distribution via a street team, surveying households to reach those who are not connected to anything regarding water, don't have internet, or don't speak English, and visiting classrooms to survey young people.

Ms. Matsukawa shared that she and Ms. Farlow have spoken at length about targeted local publications and noted that there has been much success with other agencies' publications reaching some users who are not subscribers to e-Blast or don't attend public meetings.

She agreed door hangers are an effective tool to bolster response; they have been discussed as a long-term tool, but there is a cost involved. The recommendations earlier provided are some of the most cost-effective ways to get the survey out, she explained.

All input received will be valuable, Ms. Matsukawa advised, even where some groups or regions do not respond; communication strategies can be adapted accordingly.

Ms. Matsukawa pointed out that the timeline has been extended and the Social Pinpoint page can remain up and available to ensure outreach is robust. All today's comments and recommendations will be considered, she assured.

Director Longville observed that community meeting attendees might participate and pointed out that older people who don't get out will respond to materials distributed to them.

Ms. Matsukawa assured President Kielhold that retailer mailing inserts are being pursued as a collaborative effort and results will be reported back to the Board.

Chair Botello acknowledged this is a starting point.

4.3 Discuss Options for a District Branding Effort

Kristeen Farlow recapped the October 18, 2021, workshop and how significant and thoughtful feedback from the Board resulted in a decision to rebrand.

Ms. Matsukawa reviewed the rebranding decision process and noted the good work done in establishing Valley District's identity and role in the watershed parallel to the Strategic Communications and Engagement Plan.

WSC's research of communication pieces, website, agendas, press releases, and more showed that the Valley District brand has been applied inconsistently, Ms. Matsukawa said. She noted its various common names and renditions over the last ten years.

Initially the recommendation was a brand refresh, Ms. Matsukawa noted, then the Board indicated desire for a thoughtful approach to determine if the refresh was sufficient or if a deeper dive is needed on core identity. She reviewed the accomplishments of the prior workshop, purposes of the brand and the brand experience.

Ms. Matsukawa detailed some of the best practices of a new brand and brand characteristics and assured the Board that good direction had been given. She also recapped the discussion on the change of the name of the District and mentioned legalities associated with changing the formal name.

She presented three approach options with deliverables:

1. Refresh – current Board approved 3-month process with a net cost of \$9,655 and two remaining workshops
2. Revive – medium effort 6-month level of branding with a new scope and cost of \$60,440, short Board and staff surveys, and five additional workshops resulting in a brand guidebook.
3. Rebrand –full rebrand with possible name change, additional workshops and tasks, and input from stakeholder focus groups. The 1-year schedule costing \$99,650 would result in a guidebook and brand launch.

Chair Botello noted that many ideas were offered at the brand workshop, and this will help focus the effort.

In response to Vice President Hayes, Ms. Matsukawa detailed the WSC fees and markup. Hayes asked for the non-applicable markup item to be removed from the form or at least notated. Vice President Hayes noted a rate change clause effective January 1 of each year, but Ms. Matsukawa gave assurance that the fee schedule presented reflects the cost through 2022.

Director Longville indicated support of a full rebrand and suggested all directors review the workshop summary notes.

Director Harrison opined that a brand revive would produce everything of interest to him, including a new name and brand.

Kristeen Farlow reported awaiting a response from Bradley Neufeld of Varner Brandt (who is out of the office until December 22) regarding actual name change options and pointed out that his response will address the difference between the revive and rebrand options.

CEO / General Manager Heather Dyer offered the difference between the revive and rebrand options comes down to a decision about a name change and acknowledged the significant discussion needed. This is more work and a much deeper dive into how the district is to be represented, and a brand launch, she advised. While awaiting the legal opinion, the Board must decide if the rebrand is a process they want to undertake.

Ms. Matsukawa explained that the revive would be executed through staff and the Board, but that the full rebrand requires input and reactions from stakeholders and pointed to several questions to revisit while deciding on the approach.

Chair Botello requested Board consensus.

Ms. Matsukawa responded to President Kielhold that a radical name change may not serve the District well and recommended considering the legalities and the possibility of two names, which does not accomplish the branding goal of recognizing the District and its unique identity.

Director Harrison inquired whether the revive option includes a name change. Ms. Matsukawa clarified that revive involves deciding among the District's common names while connecting to its formal legal name. Harrison stated preference for San Bernardino Regional Water Management District (legal) dba Regional Water. The goal is to differentiate Valley District's name from the other agencies in the area, so it is not confused with the other valley districts. Now is the best time to do that while moving ahead, he stated, and this would solve some problems with the other valley agencies which are getting confused with Valley District.

He stated that his vision is to create a name unique to this agency but is not so far removed that it does not tie to this area and does not describe the District's function. The revive option would accomplish this, he said.

Ms. Dyer pointed out that legal counsel may provide alternatives, and advised that if a contract were in place, the workshops could be scheduled, and work could begin before a decision was needed on a preferred option. Ms. Dyer suggested the Board could approve the Brand Revive option contract amount knowing that if the Board decides to do a full

rebrand, a future contract amendment could be done for the remaining amount, Ms. Dyer offered.

Chair Botello referred to Ms. Dyer's suggested alternative that the Board could approve a contract for brand revive knowing that if the Board decides later to do a full rebrand a contract amendment could be done for the remaining amount.

Action Item(s): The Board of Directors directed staff to move forward an agreement with WSC authorizing an amount up to \$60,440 for a brand revive to the full Board of Directors by the following roll-call vote:

There was no formal motion or second.	APPROVED: 5-0
AYES:	Botello, Harrison, Hayes, Kielhold, Longville
NOES:	None
ABSTAIN:	None
ABSENT:	None

5. Future Business

None was added.

6. Adjournment

The meeting was adjourned at 4:02 p.m.



DATE: January 13, 2022
TO: Board of Directors Workshop – Policy
FROM: Kristeen Farlow, Strategic Communications Manager
SUBJECT: Discuss State and Federal Legislative Update

Staff Recommendation

Receive and file

Background

Staff is providing the Board of Directors with an update on current significant legislation from the state and federal legislatures.

Each month, staff provides the Board of Directors with a summary of State and Federal Legislative highlights. This information is provided by the District's lobbying firms and supplemented by District Staff. The Gualco Group, Inc., is the District's State lobbyist in Sacramento; Innovative Federal Strategies is the District's Federal lobbyist in Washington D.C. This month, The Gualco Group, Inc., will provide a verbal update on the State legislative highlights.

State Legislative Updates

The State legislature kicked off the second year of the two-year session on January 3, 2022. Due to the recent redistricting process, Senate and Assembly district lines have been redrawn,

resulting in several legislators who will not run for re-election in 2022. California is projecting a \$31 billion surplus, compared to the \$76 billion surplus from 2021.

Governor Newsom's budget proposal is due January 10, 2022, and is expected to include another round of stimulus checks. The spending priorities in the Assembly include prompt funding to prevent wildfires and address the climate crisis, ensuring drought response and water resilience funding to vulnerable communities, and major infrastructure investments. Priorities in the Senate include enhanced climate, environment, and resource protection, addressing housing challenges, and boosting 21st century infrastructure.

Kendra Daijogo, from The Gualco Group, Inc., will participate in this month's meeting to provide an update on what is happening in Sacramento, including redrawing of the State legislative districts and its impact on legislators, discussing the Assembly and Senate Rosters, the calendar for the year, and potential legislation that may be of interest to the District and our retailers.

Federal Legislative Update

Congress returned the first week of January and the House returned the second week. The Build Back Better Act, and a decision on it, are holding up other bills from moving forward. There has not been a lot of information provided yet on the topline numbers to keep appropriations moving forward, and there will not be a deal on appropriations until Build Back Better is determined.

The federal government will be accepting requests for Community Project Funding again this Spring. Additionally, 2022 includes another Water Resources Development Act (WRDA) bill. WRDA has historically included key provisions to invest in our ports, harbors, and inland waterways; build more resilient communities; and ensure that the U.S. Army Corps of Engineers carries out projects in an economically and environmentally responsible manner.

Fiscal Impact

There is no fiscal impact related to this update.

Recommended Action

Receive and file.



DATE: January 13, 2022
TO: Board of Directors Workshop - Policy
FROM: Bob Tincher, Chief Water Resources Officer/Deputy General Manager
SUBJECT: Update on the Delta Conveyance Project

Staff Recommendation

Receive and file

Summary

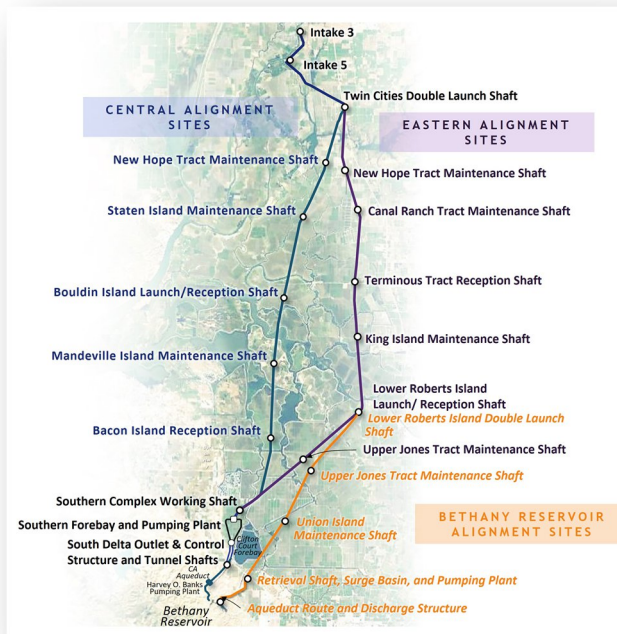
At this workshop, staff will provide an update on the Delta Conveyance Project including the preferred alignment that includes the new “Bethany Alternative”.

Background

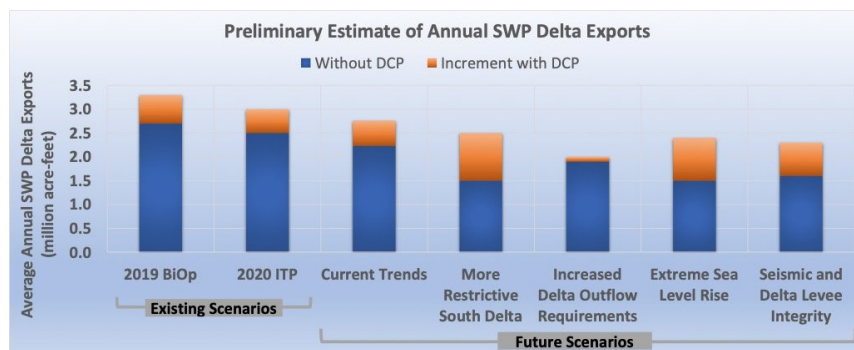
Valley District signed a contract with the State of California on December 30, 1960 for a water supply from, what would later become known as the SWP. Valley District has used this contract to supply nearly 1 million acre-feet of imported water since deliveries started in the early 1970s. However, starting in the mid-1990s and accelerating in the late 2000s, the actual SWP supply has been steadily reducing due primarily to endangered and threatened species issues associated with transporting SWP water through the Delta. In response to this continuing water supply reduction, the California Department of Water Resources (DWR), in cooperation with participating Public Water Agencies (PWA), has been developing a conveyance project to restore some of the lost supply due to environmental regulations.

Valley District has been participating in the development of a conveyance project since the early 2000's. The existing SWP Delta water facilities divert and pump water from the south Delta. The proposed Delta Conveyance Project (DCP) would add a new intake north of the Delta and west of Sacramento and then convey the water under the Delta in a single tunnel. The transition

from a two tunnel project to a single tunnel project has resulted in a new variation of the eastern alignment known as the “Bethany Alternative”. This alternative provides additional advantages, which staff will outline during the workshop, and is the preferred alternative in the Environmental Impact Report (EIR) which is scheduled to be completed in 2023. The new DCP intake would be operated in coordination with the existing south Delta intake resulting in two separate intakes, or two ways to divert and convey water, also referred to as “dual conveyance”. Dual conveyance does not increase the water rights for the SWP but will help overcome future uncertainties associated with climate change and an earthquake in the Delta. The overarching objective of Delta Conveyance is to make the SWP more resilient.



Construction is anticipated to begin about 2024 once all necessary approvals and permits and legal requirements, including, but not limited to, obtaining a change in point of diversion to DWR’s existing water rights permit have been completed. On average, the DCP is estimated to provide up to 1,000,000 AF per year (AFY) of restored SWP deliveries; up to 700,000 AFY following an earthquake; and about 900,000 AFY under extreme sea level rise.



Preliminary modeled average annual SWP exports under existing and plausible future scenarios and corresponding increment resulting with the DCP

Without the DCP, SWP deliveries are estimated to be further reduced by an average of about 300,000 AF to 1,000,000 AF under various, plausible future scenarios for regulatory changes, sea level rise and seismic risk. With DCP these uncertainties have little impact demonstrating the resilience of the SWP with the DCP. In addition to the water supply benefits, the DCP is expected to provide operational flexibility to capture some of the peak storm flows that have historically flowed to the ocean, improve water quality, improve water transfers and reduce carriage water losses. The current construction cost estimate is \$15.9 billion in 2020 dollars. Valley District has agreed to participate for its proportionate share based on its Table A amount, 2.8% of the DCP, which is about \$445 million, or \$540 per acre-ft (AF) upstream of the Delta.

Fiscal Impact

There is no fiscal impact associated with this update



DATE: January 13, 2022

TO: Board of Directors Workshop - Policy

FROM: Bob Tincher, Chief Water Resources Officer/Deputy General Manager

SUBJECT: Consider Contract Amendments with Geoscience Support Services and Balleau Groundwater to Address Review Comments on the Integrated Water Quality Model

Staff Recommendation

Authorize amendments to the existing Geoscience Support Services, Inc. (Geoscience) and Balleau Groundwater (Balleau) contracts for the development of the Upper Santa Ana River Integrated Water Quality Model (Integrated WQ Model) to evaluate comments provided by West Yost (formerly Wildermuth Environmental).

Summary

The Integrated WQ Model is a joint project with Western Municipal Water District (Western) that is being concurrently peer reviewed by Balleau Groundwater and the United States Geological Survey. The comments provided by West Yost require additional analysis and could result in additional changes to the model and the model report. The total cost of the requested contract amendments is \$72,168 (Geoscience - \$ 45,528, BGW - \$26,640) which would be split equally with Western, or \$36,084 each. These are time and materials contracts so the actual cost could be less than the requested.

The Integrated WQ Model is an important tool that will be used to develop a Salt and Nutrient Management Plan for the region that could potentially eliminate the need for very costly desalting facilities in the Upper Watershed. Staff from Western and Valley District believe that this additional work will improve the model and increase the level of confidence.

Background

The Integrated Groundwater Flow Model (Integrated Model) was a joint project with Inland Empire Utilities Agency (IEUA), Orange County Water District (OCWD) and Western which resulted in a sophisticated tool that allows better understanding of the interaction of the surface flow and groundwater levels from the Yucaipa area to Prado Dam. The Integrated Model has already been used to determine the cause of decreasing flow in the Santa Ana River and to evaluate any environmental impacts associated with the various proposed water supply projects in the Upper Santa Ana River Habitat Conservation Plan including projects that Valley District is developing: Enhanced Recharge project, Active Recharge projects, the Riverside North Aquifer Storage and Recovery Project, and several recycled water projects along the Santa Ana River through the Local Resources Investment Program. The Integrated WQ Model is being enhanced to include water quality for the upper watershed. Valley District and Western are paying for these water quality enhancements since they only cover their service areas.

Geoscience was selected by a review committee as the firm to develop the Integrated Model and accompanying Integrated Water Quality Model. Balleau and the U.S. Geological Survey were selected to provide independent, concurrent peer review of the project. The HCP consulting team, ICF Jones & Stokes, has also participated in the development process as well as Wildermuth Environmental (now West Yost) and other stakeholders. A Section 6 Grant from the United States Fish and Wildlife Service has provided almost \$1 million of outside funding for this project.

The proposed budget amendments will be generally used for the following additional tasks:

Geoscience

- Review comments and prepare a response plan
- Prepare for and attend coordination call with commenting agencies
- Prepare for and attend calls with Peer Review team
- Additional status update meetings to review response to comments, and
- Finalize Technical Memorandum No. 3, incorporating comments from CBWM/IEUA and OCWD

Balleau

- Additional Peer Review of Model in Context of Objectives
- Additional Peer Review of Model in Context of Selected Comments from CBWM and IEUA
- Additional Peer Review of Model in Context of Selected
- Comments from CBWM and IEUA
- Reporting - Preparation of Summary Letter/Report

A summary of the contract values, to date, for both contracts is summarized below.

Geoscience Integrated Model Contract		Reimbursable
Authorized Contract (April 2017)	\$ 956,728	Funding Match
Amendment #1 (August 2018)	\$ 336,162	\$336,162
Amendment #2 (February 2019)	\$ 541,428	\$541,428
Amendment #3 (January 2020)	\$ 73,732	
Amendment #4 (January 2021)	\$ 52,402	
Amendment #5 (proposed)	\$ 45,528	
New TOTAL	\$ 2,005,980	\$877,590
BGW Peer Review Contract		
Authorized Contract (June 2017)	\$ 209,406	\$94,031
Amendment #1 (October 2019)	\$ 25,000	\$25,000
Amendment #2 (January 2021)	\$ 78,440	
Amendment #3 (proposed)	\$ 26,640	
New TOTAL	\$ 339,486	\$119,031

Fiscal Impact

The West Yost comments were not anticipated so this work was not included in Valley District's Fiscal Year 2021-2022 Operating Budget. However, funds are available in the Valley District's current budget in Budget Category 6360 (Consultants) to pay the total cost of \$72,168 with Valley District's portion being \$36,084; Western will be invoiced for the other half.

Attachments

1. Budget Amendment Proposal from Geoscience
2. Budget Amendment Proposal from Balleau Groundwater



December 22, 2021

Mr. Bob Tincher, PE
Chief Water Resources Officer / Deputy General Manager
San Bernardino Valley Municipal Water District
380 East Vanderbilt Way
San Bernardino, CA 92408-3593

Re: Budget Amendment Request for the Upper Santa Ana River Integrated Model Water Quality Modeling

Dear Bob:

Comments were received following submittal of Technical Memorandum (TM) No. 3: Water Quality Model Calibration Summary Report on August 13, 2021, providing recommendations and suggestions for further analysis. In particular, comments received from Chino Basin Watermaster (CBWM)/Inland Empire Utilities Agency (IEUA) and Orange County Water District (OCWD) requested additional work unanticipated in the original scope. Per your request, Geoscience has prepared this budget amendment for the Integrated Santa Ana River (SAR) Model to cover unanticipated additional work in response to comments on TM No. 3, including:

- Additional work to review comments and prepare a response plan,
- Prepare for and attend coordination call with commenting agencies,
- Prepare for and attend calls with Peer Review team,
- Additional status update meetings to review response to comments, and
- Finalize TM No. 3, incorporating comments from CBWM/IEUA and OCWD.

The following sections discuss the proposed scope of the additional work and estimated costs.

PO Box 220 Claremont, CA 91711
t. 909.451.6650
f. 909.451.6638
www.gssiwater.com

Scope of Work

Task 4.9 Technical Memorandums and Reporting

Task 4.9.4: Prepare a Final Model Calibration Technical Memorandum (TM No. 3)

Following discussions with the commenting agencies and Peer Review team (see Task 5.11.7 below), Geoscience will finalize draft TM No. 3 to address important comments and develop additional discussion beyond the anticipated original scope of work. This includes:

- Updating background and objectives sections.
- Adding additional discussion to the uncertainty and limitations sections.
- Preparing final text, figures and tables incorporating feedback from the TAC. Suggested modifications include additional text to describe model calibration and the addition of layer information (if available) to figures and chemographs.

Task 5.11: Project Management and Meetings - Water Quality Modeling

Task 5.11.2: Prepare for and Attend Status Update Conference Calls

This task covers Geoscience's preparation for and attendance at an upcoming project status update conference call in January 2022 to review responses to comments as well as a second, follow-up conference call at a later date (TBD) to review and discuss any unresolved items.

Task 5.11.7: Prepare for and Attend Conference Calls with CBWM/IEUA and Peer Review Team to Discuss Comments Received on TM No. 3

Geoscience participated in a conference call to review and discuss comments received from CBWM/IEUA on TM No. 3. Several follow-up meetings were also held with the Peer Review team (including Balleau Groundwater, Inc. and the USGS) to determine the best way to address and resolve comments received from both CBWM/IEUA and OCWD. Several further coordination calls with the Peer Review team are anticipated to discuss response to these comments. Task 5.11.7 will cover Geoscience's costs associated with preparing for and attending these unforeseen meetings.

Schedule

The proposed schedule for the additional water quality modeling work is shown in the following table.

Proposed Water Quality Modeling Schedule

Item	Sep 2021	Oct 2021	Nov 2021	Dec 2021	Jan 2022	Feb 2022
Prepare a Final Model Calibration TM (Task 4.9.4)						TM
Prepare for and Attend Status Update Conference Calls (Task 5.11.2)						
Prepare for and Attend Conference Calls to Discuss Comments Received (Task 5.11.7)						

TM = Final TM/Report

Cost Estimate

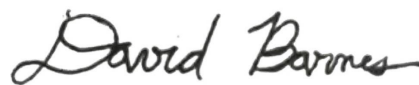
The total proposed cost of additional work under Tasks 4.9, and 5.11, above, is \$45,528. A breakdown of cost by task and anticipated staff participation is provided in attached Table 1.

If you have any questions, please contact us at (909) 451-6650

Sincerely,



Johnson Yeh, PhD, PG, CHG
Principal Geohydrologist
Encl.



David Barnes, M.Eng.
Senior Geohydrologist / Modeler

Budget Amendment Request for the Upper Santa Ana River Integrated Model Water Quality Modeling

Task		GEOSCIENCE SUPPORT SERVICES, INC.									
		Principal Modeler	Senior Modeler	Project Modeler	Project Geohydrologist	Sr. Associate Modeler	Associate Modeler	Graphics	Clerical	Labor	Reimbursable Expenses ¹
Hourly Rate:		\$289	\$264	\$244	\$213	\$210	\$196	\$155	\$107		
4.9 Technical Memorandums and Reporting											
4.9.4	Prepare a Final Model Calibration Technical Memorandum (TM No. 3)	8	20			32	16	16		\$ 19,928	\$ 19,928
	<i>Subtotal (Task 4.9)</i>	8	20	0	0	32	16	16	0	\$ 19,928	\$ - \$ 19,928
5.11 Project Management and Meetings - Water Quality Modeling											
5.11.2	Prepare for and Attend Status Update Conference Calls (assumes 2 additional status meetings)	8	16		8	12	4	4		\$ 12,164	\$ 12,164
5.11.7	Prepare for and Attend Conference Calls with CBWIM/IEOA and Peer Review Team to Discuss Comments Received on TM No. 3	8	24		8	8	4	4		\$ 13,436	\$ 13,436
	<i>Subtotal (Task 5.11)</i>	16	40	0	16	20	8	8	0	\$ 25,600	\$ - \$ 25,600
TOTAL ADDITIONAL HOURS AND COST (Tasks 4.9, & 5.11):		24	60	0	16	52	24	24	0	\$ 45,528	\$ - \$ 45,528

Notes:

¹ Reimbursable Expenses includes travel and mileage.

BALLEAU GROUNDWATER, INC.
901 RIO GRANDE BLVD. NW, SUITE F-242
ALBUQUERQUE, NEW MEXICO 87104

W. PETER BALLEAU CPG, P.Hg., P.G. (AZ, KS, TX)
DAVE M. ROMERO P.H.
STEVEN E. SILVER GISP

Via Electronic Delivery

December 10, 2021

Robert M. Tincher, P.E., M.S.
Chief Water Resources Officer/Deputy General Manager
San Bernardino Valley Municipal Water District
380 E. Vanderbilt Way
San Bernardino, CA 92408

Subject: Peer Review - Scope for Additional Work

Dear Mr. Tincher:

Geoscience Support Services, Inc. (Geoscience) has developed and documented the Upper Santa Ana River (SAR) Integrated Water Quality Model (hereafter “the Model”) in a draft Technical Memorandum (TM).¹ The Chino Basin Watermaster (CBWM) and Inland Empire Water Utilities Agency (IEUA) have produced comments² indicating that documentation of the model is not sufficient to assess whether the Model is suitable for its intended purpose. As we discussed, Balleau Groundwater, Inc. (BGW) is in the process of reviewing the Model with an approach intended to provide additional context regarding the comments from CBWM and IEUA. However, BGW has expended the funds currently allocated for peer review of the Model. We prepared Table 1 (attached) with a proposed work scope and estimated cost for additional technical support involving additional peer review and coordination with the Model Technical Advisory Committee on our observations.

I estimate that our additional services could be completed with an additional budget of \$26,640. The estimated cost does not reflect a fixed cost for our services; it is based on the estimated level of effort. Monthly invoices will reflect actual costs in terms of hours and expenses. The actual cost may be more or less than estimated, but will be fully coordinated with San Bernardino Valley Municipal Water District to ensure cost is under control.

¹ Geoscience Support Services, Inc., 2021, Upper Santa Ana River Integrated Water Quality Model - Technical Memorandum No. 3: Water Quality Model Calibration: prepared for San Bernardino Valley Municipal Water District, DRAFT report dated August 13, 2021.

² Electronic communication, From: Mark Wildermuth of West Yost To: Johnson Yeh of Geoscience and Bob Tincher of SBVMWD, dated August 30, 2021.

Robert M. Tincher, P.E., M.S.
December 10, 2021

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BGW is pleased to provide this work scope for your consideration. I am happy to discuss the approach further if you have a different line of thinking for moving forward. Please call with any questions you may have.

Very truly yours,

BALLEAU GROUNDWATER, INC.

A handwritten signature in black ink, appearing to read "D. Romero", with a stylized flourish at the end.

Dave M. Romero
President

Attachments: Table 1. Peer Review SAR Integrated Water Quality Model Scope of Work
Fee Schedule

BALLEAU GROUNDWATER, INC.
 901 Rio Grande Blvd. NW, Suite F-242
 Albuquerque, NM 87104
 505-247-2000



TABLE 1. PEER REVIEW - SAR INTEGRATED WATER QUALITY MODEL WORK SCOPE

Project: Geohydrologic Support for Exploratory Well
 Period: 2022

COST ESTIMATE
December 10, 2021

Work Product	Hydrologic Research			Field Investigation			Calculate/Simulate			Interpret/Recommend			Meetings/Testimony			Report			
	Senior Counsel	Principal	Hydrologist	Senior Counsel	Principal	Hydrologist	Senior Counsel	Principal	Hydrologist	Senior Counsel	Principal	Hydrologist	Senior Counsel	Principal	Hydrologist	Senior Counsel	Principal	Hydrologist	Admin
Hourly Rate \$	250	185	165	250	185	165	250	185	165	250	185	165	250	185	165	250	185	165	60

Work Elements

																			Days	Task Cost									
1	Additional Peer Review of Model in Context of Objectives																		6	\$8,880									
2	Additional Peer Review of Model in Context of Selected Comments from CBWM and IEUA																		4	\$5,920									
3	Reporting - Preparation of Slides for TAC Meeting																		4	\$5,920									
4	Reporting - Preparation of Summary Letter/Report																		4	\$5,920									
Element Cost																	\$0		\$0		\$7,400		\$13,320		\$0		\$5,920		
																			Total Days	18	(8 hrs/day)								

Estimate for Services \$26,640

The itemized listing of task costs is based on the work elements, tasks and the estimated level of effort required to provide scientific advisory peer review and comments on developing TDS and Nitrate transport simulation capability into the SAR Integrated Model. The task list is not intended to represent exact costs of line-items. The actual work required and the level of effort may vary as work requirements of the project evolve during project development. Accordingly, Balleau Groundwater, Inc. proposes to undertake the work on the basis of its Fee Schedule. Monthly invoices will reflect actual costs incurred for authorized work performed on behalf of the project in terms of hours and expenses. The actual cost for the program may be more or less than the estimated costs listed above, but will be fully coordinated with and directed by San Bernardino Valley Municipal Water District to ensure cost is under control.

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ALBUQUERQUE, NEW MEXICO 87104

2021 FEE SCHEDULE FOR CONSULTING SERVICES

Senior Counsel	\$250/hour
Principal Staff	\$185/hour
Professional Hydrogeologist/Hydrologist	\$90-165/hour
Hydrologic Technician	\$75-90/hour
Technical/Clerical Support	\$70/hour

Work authorized and performed in the reasonable conduct of the client's program is billed at standard hourly rates for professional and support personnel.

BGW is reimbursed for actual expenses incurred on behalf of client work including travel, the use of personal cars in the field and charges for daily rental of BGW equipment, printing and reproduction and other direct costs. An administrative charge of five percent is added to expenses.

Invoices are billed monthly and are payable within 30 days of the billing date; accounts unpaid more than 60 days after the billing date are subject to one percent interest per month (12 percent annual rate) from the invoice date.

All subcontracted services are subject to a surcharge of 15 percent.