



BEDFORD COLDWATER
Groundwater Sustainability Authority

**SPECIAL BOARD MEETING
AGENDA**

**February 17, 2022
3:00 PM**

*Temescal Valley Water District Administrative Offices
22646 Temescal Canyon Road, Temescal Valley, California 92883

CALL TO ORDER AND ROLL CALL: Directors Casillas, Rodriguez, Williams

PUBLIC COMMENT

Any person may address the Board at this time upon any subject not identified on this Agenda, but within the jurisdiction of Bedford Coldwater Groundwater Sustainability Authority; however, any matter that requires action will be referred to staff for a report and action at a subsequent Board meeting. As to matters on the Agenda, an opportunity will be given to address the Board when the matter is considered.

- I. Consider Adoption of a Resolution Authorizing Continuance of Remote Teleconference Meetings
- II. Consent Calendar
 - A. Approval of Minutes of the November 18, 2021 Meeting Minutes
 - B. Financial Statement
 - C. Ratification of Demands
 - D. Backup Information for Major Contracts
 - E. Outside Contracts Summary Report
- III. Business Calendar
 - A. Consider Adoption of Proposed Fiscal Year 2022-23 Budget
 - B. Consider Approval of Amendment No. 4 for Professional Services Agreement with Geoscience Support Services, Inc.



BEDFORD COLDWATER
Groundwater Sustainability Authority

- C. Consider Approval of Amendment 4 to the Professional Services Agreement with Todd Groundwater to Complete Four (4) Annual Groundwater Sustainability Plan Reports
- IV. Administrator's Update
- V. Legal Counsel Report
- VI. Comments of the Board
- VII. Adjourn

In the interest of public health and safety, this meeting will be held telephonically. Remote public participation is encouraged in one of the following ways:

For Online Participation:

Go to: www.zoom.us
Select Join a Meeting
Enter Meeting ID: 862 0682 7256
Meeting Password: 92530

For Call-in Only:

Call: (720) 707-2699
Enter Meeting ID: 862 0682 7256
Meeting Password: 92530

In accordance with the requirements of California Government Code Section 54954.2, this agenda has been posted in the main lobby of the Authority's Administrative offices not less than 72 hours prior to the meeting date and time above. All public records relating to each agenda item, including any public records distributed less than 72 hours prior to the meeting to all, or a majority of all, of the members of Authority's Board, are available for public inspection in the office at 22646 Temescal Canyon Road, Temescal Valley, California 92883

To request a disability-related modification or accommodation regarding agendas or attendance, contact Terese Quintanar, at (951) 674-3146, extension 8223 at least 48 hours before the meeting.



BEDFORD COLDWATER
Groundwater Sustainability Authority

Date: February 17, 2022

To: Board of Directors

From: Deputy Treasurer

**SUBJECT: CONSIDER ADOPTION OF A RESOLUTION AUTHORIZING
CONTINUATION OF REMOTE TELECONFERENCE MEETINGS**

RECOMMENDATION:

1. Adopt the Resolution Proclaiming a State of Emergency Continues to Exist, Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom, and Authorizing the Continuation of Remote Teleconference meeting of the Board of Directors of the Bedford-Coldwater Groundwater Sustainability Authority, pursuant to Brown Act Provisions

DISCUSSION:

Prior to the expiration of Executive Order N-29-20 on September 30, 2021, Governor Newsom signed into law Assembly Bill (AB) 361 granting extended additional flexibility to offer teleconferenced virtual public meetings. AB 361 will remain in effect until January 1, 2024, unless the State Legislature takes action to extend it or make it permanent. It is necessary for the Authority to adopt the attached resolution in order to proceed with virtual meetings.

Additionally, AB 361 added the requirement that, within thirty (30) days after the first teleconference meeting and then every thirty (30) days thereafter, the Board would need to adopt a resolution per meeting, making findings regarding the continuing need to conduct teleconference instead of in-person meetings.

The following is a summary of AB 361's pertinent provisions.

1. Posting of Agendas.
 - a. Brown Act - Requires a local agency to post agendas at all teleconference locations.

- b. AB 361 - Removes the requirement that agendas must be posted at all teleconference locations.
- 2. Location of Teleconferencing Participants.
 - a. Brown Act –
 - i. Requires a local agency that uses teleconferencing to identify each teleconference location in the notice and agenda of the meeting, and each teleconference location must be accessible to the public.
 - ii. Requires that at least a quorum of the members of a legislative body must participate in the meeting (even if by teleconference) from locations within the agency’s boundaries.
 - b. AB 361 –
 - i. Do not require identification of each teleconference location and each location does not need to be accessible to the public
 - ii. Do not require the quorum of the board members to be located within the agency’s boundaries.
- 3. Public Access and Comments.
 - a. Brown Act – Requires Board meetings to remain open to the public and the agenda must include the manner by which members of the public may access the meeting remotely to offer public comment, including by a call-in option or an internet-based service option, such as meeting invite web address or call-in phone number, with passcode. Members of the public must be allowed to access the meeting and to address the legislative body directly, either during a general public comment period or before any individual actions are taken.
 - b. AB 361 - Agency may not require members of the public to submit their comments in advance of a meeting. Public comments, either written or made by remote connection, must be accepted until the point at which the public comment period is formally closed. Any registration or sign-up period for public comments can only be closed when the public comment period is formally closed. Where public comments are accepted in a public comment period for each agenda item, the agency must allow a reasonable amount of time during each agenda item to allow the public the opportunity to provide comments, including time for members of the public to register or otherwise be recognized for the purpose of providing public comment.
- 4. Registration.
 - a. Brown Act - Prohibits the use of mandatory registration or “signups” to attend public meetings or to provide public comment.

- b. AB 361 - Allows local agencies to use platforms which, incidental to their use and deployment, require users to register for an account with that platform, so long as the platform is not under the control of the local agency.
- 5. Technological Disruption of Meeting.
 - a. AB 361 - If a public comment line unexpectedly disconnects, a meeting agenda was sent out with the incorrect web link or dial-in information, the local agency's internet connection is interrupted, or other similar circumstances occur, the agency must stop the ongoing meeting and try to resolve the issue before continuing with the meeting agenda. If the meeting disruption cannot be resolved, the agency should not take any further action on agenda items and should end the meeting.

The attached resolution takes effect immediately upon its adoption and is effective until the Board of Directors adopts a subsequent resolution. The Board would need to adopt a resolution each meeting, if social distancing health and safety precautions are still being recommended, making findings regarding the continuing need to conduct teleconferenced meetings instead of in-person meetings.

FISCAL IMPACT:

Not applicable.

ENVIRONMENTAL WORK STATUS:

Not applicable.

EXHIBITS/ATTACHMENTS:

Resolution

RESOLUTION NO. 22-01

A RESOLUTION OF THE BOARD OF DIRECTORS OF BEDFORD COLDWATER GROUNDWATER SUSTAINABILITY AUTHORITY PROCLAIMING A LOCAL EMERGENCY, RATIFYING THE MARCH 4, 2020 PROCLAMATION OF A STATE OF EMERGENCY ISSUED BY THE GOVERNOR OF THE STATE OF CALIFORNIA, AND AUTHORIZING THE CONTINUENCE OF REMOTE TELECONFERENCE MEETINGS OF THE BOARD OF DIRECTORS PURSUANT TO BROWN ACT PROVISIONS ENACTED BY ASSEMBLY BILL NO. 361

WHEREAS, the Bedford Coldwater Groundwater Sustainability Authority (“BCGSA”) is committed to preserving and nurturing public access and participation in meetings of the Board of Directors; and

WHEREAS, all meetings of the District’s legislative bodies are open and public, as required by the Ralph M. Brown Act (Cal. Government Code Sections 54950 – 54963), so that any member of the public may attend, participate, and watch the BCGSA Board conduct their business; and

WHEREAS, the Brown Act, Government Code Section 54953(e), makes provisions for remote teleconferencing participation in meetings by members of a legislative body, without compliance with the requirements of Government Code Section 54953(b)(3), subject to the existence of certain conditions; and

WHEREAS, a required condition is that a state of emergency is declared by the Governor pursuant to Government Code Section 8625, proclaiming the existence of conditions of disaster or of extreme peril to the safety of persons and property within the state caused by conditions as described in Government Code Section 8558; and

WHEREAS, a proclamation is made when there is an actual incident, threat of disaster, or extreme peril to the safety of persons and property within the jurisdictions that are within the BCGSA boundaries, caused by natural, technological, or human-caused disasters; and

WHEREAS, it is further required that state or local officials have imposed or recommended measures to promote social distancing, or, the legislative body meeting in person would present imminent risks to the health and safety of attendees; and

WHEREAS, such conditions continue to exist in the BCGSA boundaries, specifically, the Governor of the State of California proclaimed a State of Emergency due to the COVID-19 pandemic on March 4, 2020 which proclamation is still in effect, and Riverside County Public Health has recommended facemask protections and social distancing; and

WHEREAS, the legislative body meeting in person would accordingly present imminent risks to the health and safety of attendees; and

WHEREAS, the Board of Directors of BCGSA does hereby find that the Governor's March 4, 2020 Proclamation of a State of Emergency issued due to the COVID-19 pandemic and the resurgence of COVID-19 cases through the Delta variant has caused, and will continue to cause, conditions of peril to the safety of persons within the BCGSA boundaries that are likely to be beyond the control of services, personnel, equipment, and facilities of the BCGSA, and desires to proclaim a local emergency and ratify both the March 4, 2020 Proclamation of a State of Emergency by the Governor of the State of California and Riverside County Public Health's recommendations for facemask protections and social distancing; and

WHEREAS, as a consequence of the local emergency, the Board of Directors does hereby find that the BCGSA shall conduct their meetings without compliance with paragraph (3) of subdivision (b) of Government Code Section 54953, as authorized by subdivision (e) of Government Code Section 54953, and that such legislative bodies shall comply with the requirements to provide the public with access to the meetings as prescribed in paragraph (2) of subdivision (e) of Section 54953; and

WHEREAS, all meetings of the BCGSA will be accessible to the public for participation, and notice of the means by which members of the public may access such meetings virtually and offer public comment will be provided.

NOW, THEREFORE, THE BOARD OF DIRECTORS OF BCGSA DOES HEREBY RESOLVE AS FOLLOWS:

Section 1. Recitals. The Recitals set forth above are true and correct and are incorporated into this Resolution by this reference.

Section 2. Proclamation of Local Emergency. The Board hereby proclaims that a local emergency exists throughout the area of the BCGSA due to the COVID-19 pandemic, and that meeting in person would accordingly present imminent risks to the health and safety of attendees.

Section 3. Ratification of Governor's Proclamation of a State of Emergency. The Board hereby ratifies the Governor of the State of California's Proclamation of State of Emergency, effective as of its issuance date of March 4, 2020.

Section 4. Remote Teleconference Meetings. The General Manager is hereby authorized and directed to take all actions necessary to carry out the intent and purpose of this Resolution, including conducting open and public meetings in accordance with Government Code Section 54953(e) and other applicable provisions of the Brown Act.

Section 5. Effective Date of Resolution. This Resolution shall take effect immediately upon its adoption and shall be effective until such time the Board of Directors adopts a subsequent resolution in accordance with Government Code Section 54953(e)(3) to extend the time during which the BCGSA may continue to teleconference

without compliance with paragraph (3) of subdivision (b) of Government Code Section 54953.

PASSED, APPROVED, AND ADOPTED this 17th day of February 2022.

Paul Rodriguez, Chairman of the
Board of Directors of the
Bedford-Coldwater Groundwater
Sustainability Authority

ATTEST:

Phil Williams, Secretary to the
Board of Directors of the
Bedford-Coldwater Groundwater
Sustainability Authority

STATE OF CALIFORNIA)
) ss:
COUNTY OF RIVERSIDE)

I, Phil Williams, Secretary of the Board of Directors of the Bedford-Coldwater Groundwater Sustainability Authority, do hereby certify that the foregoing Resolution No. 22-01, was duly adopted by said Board at its Regular Board Meeting held on February 17, 2022, and that it was so adopted by the following roll call vote:

AYES:	Draft
NOES:	Draft
ABSENT:	Draft
ABSTAIN:	Draft

Phil Williams, Secretary to the
Board of Directors of the
Bedford-Coldwater Groundwater
Sustainability Authority

**MINUTES OF THE
REGULAR MEETING OF THE
BEDFORD-COLDWATER
GROUNDWATER SUSTAINABILITY AUTHORITY**

November 18, 2021

Board Present

Paul Rodriguez, TVWD
Jacque Casillas, City of Corona
Phil Williams, EVMWD

Staff Present

Jeff Pape, TVWD
Greg Thomas, EVMWD
Ganesh Krishnamurthy, EVMWD
Margie Armstrong, EVMWD
Parag Kalaria, EVMWD
Terese Quintanar, EVMWD
Christy Gonzalez, EVMWD
Susie Evans, EVMWD
Victor Harris, Stantec
Steve O'Neill, Olivarez Madruga Lemieux O'Neill, LLP
Chad Taylor, Todd Groundwater
Maureen Reilly, Todd Groundwater
Katie Hockett, City of Corona

CALL TO ORDER AND ROLL CALL

The meeting of the Bedford-Coldwater Groundwater Sustainability Authority was held via teleconference allowed under the waivers of the Brown Act in response to the COVID19 epidemic. Participants joined by accessing information posted on the meeting Agenda, posted at least 72 hours prior to the meeting start time. The meeting was called to order by Chairman Rodriguez at 4:00 p.m.

PUBLIC COMMENT – None. Opportunity for Public was offered throughout the duration of the meeting.

1. CONSIDER ADOPTION OF A RESOLUTION AUTHORIZING REMOTE TELECONFERENCE MEETINGS (Resolution No. 21-01)

Mr. O'Neill reported that prior to the expiration of Executive Order N-29-20 on September 30, 2021, Governor Newsom signed into law Assembly Bill (AB) 361 granting extended additional flexibility to offer teleconferenced virtual public meetings. AB 361 will remain in effect until January 1, 2024, unless the State Legislature takes action to extend it or make it permanent. He continued that in the event of an interruption of the meeting, such as loss of internet connection, the Board would not proceed until that interruption is cured.

If the interruption is not remedied, it is recommended that the meeting be adjourned, with no further business conducted and re-noticed for a later date. He continued that that the opportunity for live public comment is to be provided throughout duration of the meeting.

The resolution would take effect immediately upon its adoption and is effective until the Board of Directors adopts a subsequent resolution. The Board would need to adopt a resolution each meeting, making findings regarding the continuing need to conduct teleconference instead of in-person meeting.

ACTION: Director Williams made a motion, Vice-Chairperson Casillas seconded, and the motion carried unanimously to:

1. Adopt the Resolution Proclaiming a State of Emergency Exists, Ratifying the Proclamation of a State of Emergency by Governor Gavin Newsom, and Authorizing Remote Teleconference meeting of the Board of Directors of the Bedford Coldwater Groundwater Sustainability Authority, pursuant to Brown Act Provisions.

2. **CONSENT CALENDAR**

- A. **Minutes of the August 19, 2021 Regular Meeting**
- B. **Minutes of the September 22, 2021 Special Board Meeting**
- B. **Financial Statement**
- C. **Ratification of Demands**
- D. **Back-up Information for Major Contracts**
- E. **Outside Contract Summary Report**

Vice-Chairperson Casillas noted a typographical error in the header of the meeting minutes of September 22, 2021.

ACTION: Director Williams made a motion, Vice-Chairperson Casillas seconded, and the motion carried unanimously to approve the Consent Calendar as amended.

3. **BUSINESS CALENDAR**

- A. **Public Hearing to Consider Adoption of the Groundwater Sustainability Plan for the Bedford-Coldwater Subbasin (Resolution No. 21-02)**

President Rodriguez opened the hearing at 4:11 p.m. and Victor Harris reported that Chad Taylor and Maureen Riley, two principal authors of the Groundwater Sustainability Plan (GSP) were present virtually to answer any detailed questions. He began by providing a preview of the basin and described the sustainability goal for the Bedford-Coldwater Basin.

Next, he described the chronology of efforts involved in development of the GSP, including stakeholders' meetings, public review, board approval, Department of Water Resources' (DWR) submittal deadline and first annual report deadline. The GSP contains ten chapters, with all the required data in the format required by the DWR. One comment letter was received from the Groundwater Leadership Forum relaying concerns about descriptions of disadvantaged communities, identifying drinking water users and information about tribes. There was also concern about interconnected surface water and groundwater dependent ecosystems and lack of specifics regarding continued opportunity for stakeholder engagement. In response, we added clarifying verbiage on disadvantaged communities and tribes, added a two-phase project to do biological surveys of the wash, identifying permitting requirements and potential siting of monitoring wells in the Temescal Wash, and calling for vegetation surveys along the Temescal Wash, in dry years. In addition, the Stakeholder Outreach Plan was updated to include opportunities for continued stakeholder engagement.

Commitments of the GSP include Management Actions to set up the infrastructure process to collect the data required by the DWR, and monitor groundwater levels, groundwater quality, and subsidence, and to act on that data if the minimum threshold is triggered. Future projects include areas where there are data gaps, including a survey of private well locations and conditions, and evaluation of groundwater anomalies.

Vice-Chairperson Casillas commended the team on the Groundwater Sustainability Plan and commented that she was glad this was done and was on schedule. Chairperson Rodriguez commented that the comments from the Groundwater Leadership Forum were helpful and the response was appropriate, well-reasoned and provided clarity. He opined that the GSP is a strong document and relayed appreciation for efforts to develop it.

Hearing no further comments from the Board, staff or public, Chairman Rodriguez closed the hearing and called for a motion.

ACTION: Vice-Chairperson Casillas made a motion, Director Williams seconded, and the motion carried unanimously to:

1. Adopt the Resolution Approving the Bedford-Coldwater Groundwater Sustainability Plan.

4. ADMINISTRATOR'S UPDATE

Mr. Harris referenced Page 80 of the meeting packet, listing additional tasks completed between October 1, 2021 and November 8, 2021. Page 84 of the meeting packet included future work scheduled, which includes the next annual reporting the DWR in April. Clarifying for Chairman Rodriguez, Mr. Harris reported that the monitoring well for the number two site is scheduled for mobilization on December 7, 2021 and the other monitoring well will mobilize on January 3, 2022. Due to the challenges encountered, an extension of the grant will be requested so we can make sure that well is included in the grant reimbursement. Chairman Rodriguez opined that we have a track record of taking actions and the delays should be understandable.

In terms of Grant Administration, we have not met our contribution and will work on restructuring that. We have met our local contribution for GSP development but may be under budget in that category because Todd Groundwater completed the work under budget. Stakeholder engagement has exceeded the budget, and funds will need to be added to that category. In construction and implementation, we have not yet met our local contribution, however Mr. Harris estimated that we would likely meet that by the next reporting period. That category was originally underbudgeted and will need to be adjusted.

5. LEGAL COUNSEL REPORT

Mr. O'Neill reported that efforts continue to keep expenses to a minimum. Recent work included preparation of information regarding AB361 and coordination of the agenda for the meeting packet.

6. COMMENTS OF BOARD

Director Williams wished everyone a happy Thanksgiving and relayed appreciation for a job well done. Chairman Rodriguez echoed appreciation for the hard work.

7. ADJOURN

There being no further business, the November 18, 2021, Regular meeting of the Bedford-Coldwater Groundwater Sustainability Authority was adjourned at 4:29 p.m.

ATTEST:

APPROVED:

Jacque Casillas, Vice-Chairperson

Paul Rodriguez, Chairman

Date: _____

Date: _____

Bedford Coldwater Groundwater Sustainability Authority
STATEMENT OF REVENUES & EXPENDITURES (Unaudited)
as of December 31, 2021

REVENUE	FY 2022 Actual	FY 2022 Budget	% of Budget
Member Contributions	\$ -	\$ 388,362	0
Member Contributions Carry over	481,673	40,500	1189
Grant Reimbursement	125,320	371,288	34
Interest Income	784	7,500	10
TOTAL REVENUE	607,778	807,650	75
<u>Operating Expenses</u>			
EVMWD - JPA Oversight/Management	6,000	12,000	50
Stantec - GSP Administrator	4,767	15,000	32
ACWA Dues	2,855	3,500	82
Legal Expenses	1,420	5,500	26
Insurance Premium	1,508	2,500	60
Bank Fees	584	1,500	39
Auditing Services	1,545	7,000	22
Website Domain & Software	-	1,000	0
Website Content Design & Maintenance	400	1,000	40
Stantec - Annual GSP Update	-	37,500	0
Todd Groundwater - Annual GSP Update	-	37,500	0
TOTAL OPERATING EXPENSES	19,079	124,000	15
<u>Non-Operating Expenses</u>			
GSP Development & Preparation	74,271	251,500	30
GSP Implementation	-	450,000	0
Other Non-Operating Expense	-	-	-
TOTAL NON OPERATING EXPENSES	74,271	701,500	11
TOTAL EXPENSES	93,350	825,500	11
<u>Transfers</u>			
Transfer to/(from) Reserves	(17,850)	(17,850)	0
MEMBER CONTRIBUTION CARRY OVER	\$ 532,278	\$ -	-

Bedford Coldwater Groundwater Sustainability Authority
STATEMENT OF NET POSITION (Unaudited)
As of December 31, 2021

ASSETS	<u>FY 2022</u>	<u>FY 2021</u>
<u>Current Assets:</u>		
Cash and Cash Equivalents	\$ 63,170	\$ 204,432
Investments	643,210	416,481
Accounts Receivable	-	100,000
Accrued Interest Receivable	321	438
Work in Process	43,748	18,295
Total Assets	<u>\$ 750,449</u>	<u>\$ 739,645</u>
 <u>LIABILITIES & NET POSITION</u>		
<u>Current Liabilities:</u>		
Accounts Payable	11,796	13,852
Member Deposits	532,278	501,569
Total Liabilities	<u>544,074</u>	<u>515,420</u>
 <u>Net Position:</u>		
Restricted for:		
Operating Reserve	31,000	24,225
Non-Operating Reserve	175,375	200,000
Total Net Position	<u>206,375</u>	<u>224,225</u>
 Total Liabilities & Net Position	 <u>\$ 750,449</u>	 <u>\$ 739,645</u>

Bedford Coldwater Groundwater Sustainability Authority
CASH RESERVE REPORT
as of December 31, 2021

<u>OPERATING RESERVE</u>	
Operating Budget (FY 2022)	124,000
Operating Reserve Target	<u>25%</u>
TOTAL OPERATING RESERVE BALANCE	31,000
<u>NON-OPERATING RESERVE</u>	
Non-Operating Budget (FY 2022)	701,500
Non-Operating Reserve Target	<u>25%</u>
TOTAL NON-OPERATING RESERVE BALANCE	175,375
TOTAL RESERVE BALANCE	<u><u>\$ 206,375</u></u>



Print Date: 02/07/2022

Payment Ratification Report

Cash Disbursements for 11/01/2021 through 01/31/2022

Check or Reference #	Payment Date	Paid to Vendor	Payment Description	Pmt Type	Payment Amount
253	11/04/2021	STANTEC CONSULTING SERVICES	BCGSA ADMINISTRATOR – SEPT 2021	CHECK	4,260.45
254	11/18/2021	GOLIATH GRAFFIX	GRAPHIC DESIGN AND SUPPORT SERVICES – NOV 2021	CHECK	200.00
255	11/18/2021	TODD GROUNDWATER	BEDFORD COLDWATER GSP – OCT 2021	CHECK	5,545.00
256	11/24/2021	ELSINORE VALLEY MWD	ADMINISTRATIVE FEE - OCT 2021	CHECK	1,000.00
257	11/24/2021	FEDERAL EXPRESS CORPORATION	DELIVERY SERVICE – OCT 2021	CHECK	6.30
258	11/24/2021	GEOSCIENCE	MONITORING WELLS FOR BCGSA - OCT 2021	CHECK	2,362.50
260	12/02/2021	STANTEC CONSULTING SERVICES	BCGSA ADMINISTRATOR – OCT 2021	CHECK	8,131.31
261	12/16/2021	ELSINORE VALLEY MWD	ADMINISTRATIVE FEE - NOV 2021	CHECK	1,000.00
262	12/16/2021	GEOSCIENCE	MONITORING WELLS FOR BCGSA - NOV 2021	CHECK	7,386.20
263	12/16/2021	OLIVAREZ MADRUGA LEMIEUX ONEIL	LEGAL SERVICES - OCT 2021	CHECK	880.00
264	12/16/2021	TODD GROUNDWATER	BEDFORD COLDWATER GSP – NOV 2021	CHECK	9,351.25
265	12/22/2021	ROGERS, ANDERSON, MALODY & SCO	PROGRESS BILLING FOR FY 20-21 AUDIT	CHECK	1,545.00
266	01/06/2022	CALIFORNIA NEWSPAPERS PARTNERSHIPS	ADVERTISEMENT - NOV 2021	CHECK	272.00
267	01/13/2022	STANTEC CONSULTING SERVICES	BCGSA ADMINISTRATOR – NOV 2021	CHECK	10,524.10
268	01/20/2022	ABC LIOVIN DRILLING INC.	DRILLING, CONSTRUCTION, DEVELOPMENT & TESTING FOR MW-1 & MW-2	CHECK	127,442.50
269	01/20/2022	ELSINORE VALLEY MWD	ADMINISTRATIVE FEE - DEC 2021	CHECK	1,000.00
270	01/20/2022	GEOSCIENCE	MONITORING WELLS FOR BCGSA - DEC 2021	CHECK	15,341.37
271	01/20/2022	TODD GROUNDWATER	BEDFORD COLDWATER GSP – DEC 2021	CHECK	2,911.25
272	01/27/2022	STANTEC CONSULTING SERVICES	BCGSA ADMINISTRATOR – DEC 2021	CHECK	3,598.06
WIRE TRANSFERS					
1656296	01/18/2022	BCGSA Checking	BCGSA LAIF TO CHECKING	WIRE	190,000.00

Current Payments Issued: \$392,757.29

Reviewed By: 

Date: Feb 7, 2022

Back-up Information for Major Contracts

Shown on Cash Disbursements for 11/01/2021 through 01/31/2022

Check #	Payment Date	Paid to Vendor	Invoice #	Invoice Date	Payment Amount
253	11/4/2021	Stantec Consulting Svc, Inc.	1847414	10/22/2021	\$4,260.45
255	11/18/2021	Todd Groundwater	808021121	10/31/2021	\$5,545.00
260	12/2/2021	Stantec Consulting Svc, Inc.	1857377	10/31/2021	\$8,131.31
264	12/16/2021	Todd Groundwater	808021221	11/30/2021	\$9,351.25
267	1/13/2022	Stantec Consulting Svc, Inc.	1870347	11/30/2021	\$10,524.10
271	1/20/2022	Todd Groundwater	80802122	12/31/2021	\$2,911.25
272	1/27/2022	Stantec Consulting Svc, Inc.	1877626	12/31/2021	\$3,598.06
268	1/20/2022	ABC Liovin Drilling Inc.	PP1	12/22/2021	\$127,442.50
				Total Amount	\$171,763.92

STANTEC CONSULTING SERVICES, 13980 COLLECTIONS CENTER DRIVE, CHICAGO IL 60693, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
1847414	BEDFORD COLDWATER GW SUSTAINABILITY AUTHORITY - ADMIN	10/22/21	\$4,260.45	\$0.00	\$4,260.45
TOTALS:			\$4,260.45	\$0.00	\$4,260.45

Detach at Perforation Before Depositing Check



BEDFORD COLDWATER
Groundwater Sustainability Authority
A PUBLIC AGENCY
31315 Chaney Street
Lake Elsinore, CA 92531

Bank of America
Inland Empire RCBO
P.O. Box 1072
Riverside, CA 92501
16-66 / 1220

Check Date
11/04/2021

Number
253

Amount
\$ *****4,260.45

PAY *VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF
STANTEC CONSULTING SERVICES
13980 COLLECTIONS CENTER DRIVE
CHICAGO IL 60693
US

NON-NEGOTIABLE



Received

OCT 28 2021

Finance Dept.

INVOICE

Invoice Number	1847414
Invoice Date	October 22, 2021
Customer Number	147409
Project Number	185865160

Bill To

BedfordColdwater Groudwater Sustainability Authority
 Accounts Payable
 31315 Chaney St
 Lake Elsinore CA 92531
 United States

Please Remit To

Stantec Consulting Services Inc. (SCSI)
 13980 Collections Center Drive
 Chicago IL 60693
 United States
 Federal Tax ID
 11-2167170

Project Description: Bedford Coldwater GW Sustainability Authority - Administrator

Stantec Project Manager:	Lapus, Kevin A
Contract No:	525
Authorization Amount:	\$401,659.32
Authorization Previously Billed:	\$319,633.04
Authorization Billed to Date:	\$323,893.49
Current Invoice Due:	\$4,260.45 2.0
Period Start Date:	September 2, 2021
For Period Ending:	September 30, 2021

Attention : Margie Armstrong
 Title: Voucher # 51-290 Deputy Treasurer

Vendor # 21 P005

Pay Date NOV 04 2021

Acct #	51-15-310-110-53140-BCGSP	\$3,238.00
	51-15-310-110-53140	\$1,022.45
	Total	\$4,260.45

Entered Date 10/29/21

INVOICE

Invoice Number

1847414

Project Number

185865160

Top Task 001 Grant Administration

Low Task 001.1 Grant Administration

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	0.50	104.00	52.00
	<u>0.50</u>		<u>52.00</u>
Professional Services Subtotal	<u>0.50</u>		<u>52.00</u>

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA25	2021-10-01	300.00	0.00	300.00
Flat Rate Disbursement 8% of 52.00	2021-10-01			4.16
Disbursements Subtotal				<u>304.16</u>

Low Task 001.1 Subtotal 356.16

Top Task 001 Total 356.16

Top Task 002 Planning Activities

Low Task 002.1 Project Management

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	2.75	104.00	286.00

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1847414

Project Number

185865160

	<u>2.75</u>		<u>286.00</u>
Senior Project Accountant MacDonnell, Colleen	0.25	89.00	<u>22.25</u>
	<u>0.25</u>		<u>22.25</u>
Professional Services Subtotal	<u>3.00</u>		<u>308.25</u>

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA25	2021-10-01	262.50	0.00	262.50
Flat Rate Disbursement 8% of 308.25	2021-10-01			24.66
Disbursements Subtotal				<u>287.16</u>

Low Task 002.1 Subtotal **595.41**

Low Task 002.2 **Monthly Conference Calls**

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	1.50	104.00	<u>156.00</u>
	<u>1.50</u>		<u>156.00</u>
Professional Services Subtotal	<u>1.50</u>		<u>156.00</u>

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA25	2021-10-01	100.00	0.00	100.00
Flat Rate Disbursement 8% of 156.00	2021-10-01			12.48

INVOICE

Invoice Number

1847414

Project Number

185865160

Disbursements Subtotal

112.48

Low Task 002.2 Subtotal

268.48

Low Task 002.3 TVWD Meetings

Professional Services

Billing Level

Junior Engineer/Scientist
Shugart, Kelly K

Hours

Rate

Current
Amount

0.75

104.00

78.00

0.75

78.00

Professional Services Subtotal

0.75

78.00

Disbursements

Date

Cost

%

Current
Amount

Direct - Other Direct Expenses

H & H Water Resources LLC
STBCGSA25

2021-10-01

100.00

0.00

100.00

Flat Rate Disbursement
8% of 78.00

2021-10-01

6.24

Disbursements Subtotal

106.24

Low Task 002.3 Subtotal

184.24

Low Task 002.5 SharePoint Site

Disbursements

Date

Cost

%

Current
Amount

Direct - Other Direct Expenses

H & H Water Resources LLC
STBCGSA25

2021-10-01

200.00

0.00

200.00

Disbursements Subtotal

200.00

INVOICE

Invoice Number
Project Number

1847414
185865160

Low Task 002.5 Subtotal **200.00**

Low Task 002.6 **Outreach Activities**

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA25	2021-10-01	900.00	0.00	900.00
Disbursements Subtotal				900.00

Low Task 002.6 Subtotal **900.00**

Low Task 002.8 **Subcontractor Management**

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	0.50	104.00	52.00
	0.50		52.00
Professional Services Subtotal			52.00

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA25	2021-10-01	1,700.00	0.00	1,700.00
Flat Rate Disbursement 8% of 52.00	2021-10-01			4.16
Disbursements Subtotal				1,704.16

Low Task 002.8 Subtotal **1,756.16**

INVOICE

Invoice Number

1847414

Project Number

185865160

Top Task 002 Total

3,904.29

Total Fees & Disbursements

\$4,260.45

INVOICE TOTAL (USD)

\$4,260.45

Billing Backup

Date	Project	Task	Expnd Type	Employee/Supplier	Quantity	Bill Rate	Bill Amount	Comment	AP Ref. #
2021-09-24	185865160	1.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
Total subTask 1.1					0.50		\$52.00		
2021-09-08	185865160	2.1	Direct - Regular	MACDONNELL, COLLEEN	0.25	89.00	22.25	REVV/PROCESS H&H AUG. INV.	
2021-09-01	185865160	2.1	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
2021-09-07	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-09-22	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.75	104.00	78.00		
2021-09-23	185865160	2.1	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
Total subTask 2.1					3.00		\$308.25		
2021-09-07	185865160	2.2	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-09-09	185865160	2.2	Direct - Regular	SHUGART, KELLY K	1.00	104.00	104.00		
Total subTask 2.2					1.50		\$156.00		
2021-09-20	185865160	2.3	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
2021-09-22	185865160	2.3	Direct - Regular	SHUGART, KELLY K	0.25	104.00	26.00		
Total subTask 2.3					0.75		\$78.00		
2021-09-07	185865160	2.8	Direct - Regular	SHUGART, KELLY K	0.50	104.00	52.00		
Total subTask 2.8					0.50		\$52.00		
Total Project					6.25		\$646.25		



Stantec Consulting Services, Inc.
Stantec.Accounts.Payable.Invoices@Stantec.com

Remit to: H & H Water Resources, LLC
1446 Highland Ave.
Glendale, CA 91202

For Professional Services Rendered during the Period of 9/01/2021 to 9/30/2021

Invoice Number: STBCGSA-25
 Date: 10/1/2021
 Stantec Project No: 185865160
 Authorization No: S20182-N
 Project Name: Bedford Coldwater Groundwater Sustainability Authority-Administrator
 Client: Stantec

<u>Billing Level</u>	<u>Name</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Principal	Harris, Victor	\$200.00	17.0	\$3,400.00
Project Administrator	Howell, Belinda	\$125.00	1.3	\$162.50
			Labor Total	18.3
				\$3,562.50
			Invoice Total	\$3,562.50

Total Authorized Amount: \$114,900.00
 Billed this Invoice: \$3,562.50
 Total Invoiced to Date: \$83,027.95
 Amt. Remaining: \$31,872.05
 % Complete: 72%
 % of Authorized Amount Invoiced to Date: 72%

Coding:
 185865160.001.1 = \$ 300.00
 185865160.002.1 = \$ 262.50
 185865160.002.2 = \$ 100.00
 185865160.002.3 = \$ 100.00
 185865160.002.5 = \$ 200.00
 185865160.002.6 = \$ 900.00
 185865160.002.8 = \$ 1,700.00

Date	Project	Task	Name	Hours	Rate	Amount	Description of Work Performed
09/16/21	185865160	1.1	Harris, Victor	1.5	\$ 200	\$ 300.00	Review grant requirements for monitoring well construction. Email group about requirements. Discuss with T. Watkins of Geoscience
		1.1 Total		1.5		\$ 300.00	
09/07/21	185865160	2.1	Harris, Victor	0.5	\$ 200	\$ 100.00	Review agenda for upcoming staff meeting with Todd Groundwater and EVMWD
09/04/21	185865160	2.1	Howell, Belinda	1.0	\$ 125	\$ 125.00	project and document support
09/07/21	185865160	2.1	Howell, Belinda	0.3	\$ 125	\$ 37.50	project and document support
		2.1 Total		1.8		\$ 262.50	
09/09/21	185865160	2.2	Harris, Victor	0.5	\$ 200	\$ 100.00	BCGSA group call. Review revise meeting summary from Kelly Shugart of Stantec
		2.2 Total		0.5		\$ 100.00	
09/22/21	185865160	2.3	Harris, Victor	0.5	\$ 200	\$ 100.00	Prepare for and attend special Board meeting to discuss contractor selection for monitoring wells
		2.3 Total		0.5		\$ 100.00	
09/23/21	185865160	2.5	Harris, Victor	1.0	\$ 200	\$ 200.00	Telecon to discuss SharePoint file structure. Discussion with Todd Groundwater re: DMS and data transfer.
		2.5 Total		1.0		\$ 200.00	
09/01/21	185865160	2.6	Harris, Victor	1.5	\$ 200	\$ 300.00	Begin review of NGO comments on GSP. Transmit to Todd and set up review meeting.
09/07/21	185865160	2.6	Harris, Victor	0.5	\$ 200	\$ 100.00	Review strategy for response to comments from NGOs with Todd and K. Shugart
09/07/21	185865160	2.6	Harris, Victor	2.0	\$ 200	\$ 400.00	Review comments on the GSP from a consortium of NGOs
09/14/21	185865160	2.6	Harris, Victor	0.5	\$ 200	\$ 100.00	Correspondence with Meagan Brown of UC Santa Barbara regarding data request from BCGSA
		2.6 Total		4.5		\$ 900.00	
09/07/21	185865160	2.8	Harris, Victor	2.0	\$ 200	\$ 400.00	Review proposal from Todd Groundwater to complete annual report. Discuss proposal with Todd and K. Shugart.
09/08/21	185865160	2.8	Harris, Victor	0.5	\$ 200	\$ 100.00	Review July invoice from Todd Groundwater. Email recommendation for payment to EVMWD.
09/15/21	185865160	2.8	Harris, Victor	1.5	\$ 200	\$ 300.00	Begin review of bid from ABC Liovin. Develop draft staff memo regarding bid review and selection
09/16/21	185865160	2.8	Harris, Victor	0.5	\$ 200	\$ 100.00	Request monitoring well map and review staff report for upcoming BCGSA Board meeting
09/16/21	185865160	2.8	Harris, Victor	3.0	\$ 200	\$ 600.00	Develop staff report memo for contractor selection. Telecon with EVMWD, legal, and Geoscience. Look up license and DIR reg.
09/20/21	185865160	2.8	Harris, Victor	1.0	\$ 200	\$ 200.00	Review modeling memo from Todd Groundwater. Discuss with Chad Taylor.
		2.8 Total		8.5		\$ 1,700.00	
		Grand Total		18.3		\$ 3,562.50	

Billing Backup for Stantec Invoice Number:

STBCGSA-25

Services Performed During the Invoice Period of (9/2/2021-9/30/2021)

Staff	1. Grant Administration	2. Planning Activities									Staff Totals
	1.1 Grant Administration	2.1 Project Management	2.2 Monthly Conference Calls (plus 2 extra)	2.3 Meetings at TVWD	2.4 GSA Web Site (monthly maintenance)	2.5 SharePoint Site (monthly maintenance)	2.6 Outreach Activities	2.7 RFP Development	2.8 Subcontractor Management	2.9 GSP Governance Sections	
Victor Harris	1.5	0.5	0.5	0.5		1	4.5		8.5		17
Kelly Shugart	0.5	2.75	1.5	0.75					0.5		6
Colleen MacDonnell		0.25									0.25
Belinda Howell		1.3									1.3
Task Totals	2	4.8	2	1.25	0	1	4.5	0	9	0	24.55

The Following Services Were Performed During the Performance Period of (9/2/2021-9/30/2021)

During this period, the following activities were completed during this invoice period for As-Needed Services for the GSA:

Task 1.1

- Invoice markup for Q3
- Review grant requirements for monitoring well construction

Task 2.1

- Discuss upcoming Staff meeting agenda
- Discuss administrator replacement duties with Tom Regan
- Monthly financial accounting and reporting

Task 2.2

- Prepare agenda, meeting summary, and attend monthly teleconference (9/9/2021)
- Review meeting summary from monthly meeting

Task 2.3

- Edit maps for special Board meeting
- Attendance at and preparation for one special JPA Board meeting to select monitoring well contractor (9/22/2021)

Task 2.5

- Discuss revised sharepoint file structure and data transfer

Task 2.6

- Review and discuss NGO comments on GSP
- Correspondence with Megan Brown of UC Santa Barbara regarding data request from BCGSA

Task 2.8

- Review proposal from Todd to complete annual report
- Review bid from ABC Liovin for monitoring wells
- Develop staff report for monitoring well contractor selection, discuss with legal and EVMWD, and look up license
- Review modeling memo and discuss with Todd Groundwater
- Subcontractor management and coordination

From: [Margie Armstrong](#)
To: [AP](#)
Subject: FW: 202109 BCGSA invoice
Date: Thursday, October 28, 2021 10:37:17 AM
Attachments: [202109 BCGSA invoice Sept 2021.pdf](#)

Hi Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice. Account coding is shown on the invoice.

Thank You

Margie

From: Shugart, Kelly <kelly.shugart@stantec.com>
Sent: Friday, October 22, 2021 6:01 PM
To: Margie Armstrong <margie@evmwd.net>
Cc: Victor Harris <victor@hhwaterresources.com>; Jorge Chavez <jchavez@evmwd.net>; Garcia-Robles, Luis <Luis.Garcia-Robles@stantec.com>
Subject: 202109 BCGSA invoice

[*External E-mail alert! Use caution before clicking links/attachments*]

Hi Margie,

Please find the attached invoice for Stantec/H&H's work in September (clean and grant copies are included). A hardcopy is in the mail, as well.

Please let us know if you have any questions.

Have a great weekend,
Kelly

Kelly Shugart, PG (TX)
Hydrogeologist



1905 Aldrich Street Suite 300
Austin TX 78723-3544
Phone: (512) 265-8466
Cell: (626) 232-0201
kelly.shugart@stantec.com

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Please consider the environment before printing this email.

TODD GROUNDWATER, 2490 MARINER SQUARE LOOP, SUITE 215, ALAMEDA CA 94501, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
808021121	BEDFORD COLDWATER BASIN GSP DEVELOPMENT	10/31/21	\$5,545.00	\$0.00	\$5,545.00
TOTALS:			\$5,545.00	\$0.00	\$5,545.00

Detach at Perforation Before Depositing Check



BEDFORD COLDWATER
Groundwater Sustainability Authority
A PUBLIC AGENCY
31315 Chaney Street
Lake Elsinore, CA 92531

Bank of America
Inland Empire RCBO
P.O. Box 1072
Riverside, CA 92501
16-66 / 1220

Check Date
11/18/2021

Number
255

Amount
\$ *****5,545.00

PAY *VOID VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF
TODD GROUNDWATER
2490 MARINER SQUARE LOOP
SUITE 215
ALAMEDA CA 94501
US

NON-NEGOTIABLE

TODD GROUNDWATER

2490 Mariner Square Loop, Suite 215
 Alameda, CA 94501
 510/747-6920 Federal ID# 94-2490748

Received
 NOV 5 2021
 Finance Dept.

Invoice

DATE 11/8/2021 INVOICE NO. 80802 1121

CONTRACT #803

Voucher # 51-292

Vendor # 815

Pay Date NOV 18 2021

Acct # 51-15-310-110-53140 BCGSP

Entered Date 11/10/21

BILL TO:

Bedford-Coldwater Groundwater Agency
 Attn: Margie Armstrong
 31315 Chaney Street
 Lake Elsinore, CA 92530

Project No: 80802- Bedford-Coldwater GSP

DESCRIPTION	HOURS	RATE	AMOUNT
Professional Services in connection with the preparation of the Groundwater Sustainability Plan for the Bedford-Coldwater Groundwater Basin			
Chad Taylor	20.5	245.00	5,022.50
Maureen Reilly	2	245.00	490.00
Professional Services Subtotal			5,512.50
Administrative/Secretarial:			
Cynthia Obuchi	0.25	130.00	32.50

Oct 1 - Oct 30 **\$5,545.00**

This invoice is now due and payable. Balances unpaid over 30 days accrue 1.5% interest per month. If payment for previous charges has been sent, please accept our thanks and disregard our reminder of previous unpaid charges.

Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary
 Budget Summary as of: October 31, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Task 1 Resolution of Recommended Field Work						
Invoice for work in August 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Data and information review and technical memorandum preparation (started 8/6/19)
Invoice for work in September 2019	13.25	\$3,246.25	\$0.00	\$0.00	\$3,246.25	Well siting recommendation review and technical memorandum preparation (ongoing throughout month)
Invoice for work in October 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month)
Invoice for work in February 2020	12.50	\$3,062.50	\$0.00	\$0.00	\$3,062.50	Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20
Invoice for work in April 2020	10.25	\$2,511.25	\$0.00	\$0.00	\$2,511.25	Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20.
Invoice for work in June 2020	9.75	\$2,388.75	\$280.00	\$0.00	\$2,668.75	Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA.
Invoice for work in July 2020	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager.
Invoice for work in February 2021	5.75	\$1,408.75	\$0.00	\$0.00	\$1,408.75	Assistance with reviewing alternative monitoring well locations and discussions with well design consultant
Task 1 Budget	84.00	\$18,430	\$1,400	\$260	\$20,090	
Task 1 Expenditures	84.00	\$19,980.00	\$280.00	\$0.00	\$20,260.00	
Task 1 Remaining	0.00	-\$1,550.00	\$1,120.00	\$260.00	-\$170.00	
Task 2 Groundwater Modeling						
Invoice for work in September 2019	10.75	\$2,630.00	\$0.00	\$0.00	\$2,630.00	Data review, model options discussions, and model strategy development (started 9/11/19)
Invoice for work in October 2019	38.00	\$9,655.00	\$0.00	\$0.00	\$9,655.00	Data review and model strategy technical memorandum preparation (ongoing throughout month)
Invoice for work in November 2019	24.50	\$6,097.50	\$0.00	\$0.00	\$6,097.50	Model strategy technical memorandum preparation and draft delivery 11/26/2019
Invoice for work in February 2020	12.00	\$3,050.00	\$0.00	\$0.00	\$3,050.00	Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month)
	17.75	\$4,476.25	\$0.00	\$0.00	\$4,476.25	Recharge data assessment and quantification for model construction (started 3/1/20)
25-May	69.00	\$17,535.00	\$0.00	\$0.00	\$17,535.00	Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month).
Invoice for work in May 2020	86.75	\$21,981.25	\$0.00	\$0.00	\$21,981.25	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in June 2020	48.25	\$11,798.75	\$0.00	\$0.00	\$11,798.75	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in July 2020	64.00	\$13,735.00	\$0.00	\$0.00	\$13,735.00	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in August 2020	23.50	\$4,896.25	\$70.00	\$0.00	\$4,966.25	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in September 2020	22.25	\$4,605.00	\$0.00	\$0.00	\$4,605.00	Ongoing model construction including continuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month)
Invoice for work in October 2020	54.00	\$13,770.00	\$0.00	\$0.00	\$13,770.00	Ongoing model construction including continuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month)
Invoice for work in November 2020	107.50	\$27,387.50	\$0.00	\$0.00	\$27,387.50	Ongoing model construction including continuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month)
Invoice for work in December 2020	40.00	\$10,200.00	\$0.00	\$0.00	\$10,200.00	Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month)
Invoice for work in January 2021	99.25	\$25,221.25	\$0.00	\$0.00	\$25,221.25	Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month)
Invoice for work in February 2021	85.00	\$21,535.00	\$0.00	\$0.00	\$21,535.00	Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month)
Invoice for work in March 2021	59.00	\$14,826.25	\$0.00	\$0.00	\$14,826.25	Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month)
Invoice for work in April 2021	110.00	\$27,796.25	\$0.00	\$0.00	\$27,796.25	Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month)
Invoice for work in May 2021	107.00	\$27,011.25	\$0.00	\$0.00	\$27,011.25	Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month)
Invoice for work in June 2021	2.00	\$510.00	\$0.00	\$0.00	\$510.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in July 2021	8.75	\$2,163.75	\$0.00	\$0.00	\$2,163.75	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in August 2021	9.00	\$2,295.00	\$0.00	\$0.00	\$2,295.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in September 2021	12.75	\$3,203.75	\$0.00	\$0.00	\$3,203.75	Model file cleanup and packaging (ongoing throughout month)
Task 2 Budget	1,628.00	\$372,235	\$4,200	\$520	\$376,955	
Task 2 Expenditures	1,111.00	\$276,380.00	\$70.00	\$0.00	\$276,450.00	
Task 2 Remaining	517.00	\$95,855.00	\$4,130.00	\$520.00	\$100,505.00	
Task 3 Prepare Draft GSP						
Invoice for work in August 2019	40.25	\$8,331.25	\$0.00	\$32.50	\$8,363.75	GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice for work in September 2019	53.50	\$12,852.50	\$140.00	\$32.50	\$13,025.00	Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month)
Invoice for work in October 2019	49.25	\$10,566.25	\$0.00	\$0.00	\$10,566.25	Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19)
Invoice for work in November 2019	72.00	\$14,040.00	\$0.00	\$0.00	\$14,040.00	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month)
Invoice for work in December 2019	45.75	\$9,198.75	\$0.00	\$0.00	\$9,198.75	Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month)
Invoice for work in January 2020	67.75	\$14,918.75	\$420.00	\$0.00	\$15,338.75	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20)
Invoice for work in February 2020	22.50	\$5,512.50	\$0.00	\$0.00	\$5,512.50	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20)
Invoice for work in March 2020	41.50	\$10,267.50	\$0.00	\$0.00	\$10,267.50	Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month)
Invoice for work in April 2020	33.25	\$8,223.75	\$140.00	\$0.00	\$8,363.75	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month)
Invoice for work in May 2020	42.50	\$10,372.50	\$0.00	\$0.00	\$10,372.50	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20).
Invoice for work in June 2020	10.00	\$2,450.00	\$0.00	\$0.00	\$2,450.00	Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month)
Invoice for work in July 2020	16.25	\$3,641.25	\$0.00	\$0.00	\$3,641.25	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in August 2020	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in September 2020	25.75	\$5,883.75	\$0.00	\$0.00	\$5,883.75	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in October 2020	32.75	\$7,280.00	\$0.00	\$0.00	\$7,280.00	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in November 2020	9.50	\$2,242.50	\$0.00	\$0.00	\$2,242.50	Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in December 2020	18.00	\$3,972.50	\$0.00	\$0.00	\$3,972.50	Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in January 2021	7.50	\$1,837.50	\$0.00	\$0.00	\$1,837.50	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in February 2021	6.00	\$1,470.00	\$350.00	\$0.00	\$1,820.00	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in March 2021	29.25	\$7,166.25	\$420.00	\$0.00	\$7,586.25	Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of administrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in April 2021	55.75	\$13,658.75	\$2,030.00	\$0.00	\$15,688.75	Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in May 2021	52.50	\$13,425.00	\$0.00	\$0.00	\$13,425.00	Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Task 3 Budget	927.00	\$216,065	\$22,400	\$1,040	\$239,505	
Task 3 Expenditures	735.50	\$168,291.25	\$3,500.00	\$65.00	\$171,856.25	
Task 3 Remaining	191.50	\$47,773.75	\$18,900.00	\$975.00	\$67,648.75	

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Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Task 4 Comments on the Draft GSP						
Invoice for work in April 2021	4.50	\$1,102.50	\$0.00	\$0.00	\$1,102.50	Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21)
Invoice for work in May 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongoing)
Task 4 Budget	9.00	\$2,230	\$0	\$0	\$2,230	
Task 4 Expenditures	8.50	\$2,082.50	\$0.00	\$0.00	\$2,082.50	
Task 4 Remaining	0.50	\$147.50	\$0.00	\$0.00	\$147.50	
Task 5 Revised Draft GSP						
Invoice for work in May 2021	64.75	\$15,863.75	\$1,960.00	\$0.00	\$17,823.75	Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21)
Invoice for work in June 2021	31.75	\$7,878.75	\$0.00	\$0.00	\$7,878.75	Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021)
Invoice for work in August 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month)
Task 5 Budget	105.00	\$25,375	\$2,800	\$130	\$28,305	
Task 5 Expenditures	100.50	\$24,722.50	\$1,960.00	\$0.00	\$26,682.50	
Task 5 Remaining	4.50	\$652.50	\$840.00	\$130.00	\$1,622.50	
Task 6 Final Draft GSP Based on Public Comments						
Invoice for work in September 2021	30.50	\$7,545.00	\$0.00	\$0.00	\$7,545.00	Discuss comments received on draft GSP and begin responses and revisions (started 9/6/2021).
Invoice for work in October 2021	14.50	\$3,552.50	\$0.00	\$0.00	\$3,552.50	Prepare responses to comments and continue revisions to GSP (ongoing throughout month)
Task 6 Budget	70.00	\$16,875	\$4,200	\$130	\$21,205	
Task 6 Expenditures	45.00	\$11,097.50	\$0.00	\$0.00	\$11,097.50	
Task 6 Remaining	25.00	\$5,777.50	\$4,200.00	\$130.00	\$10,107.50	
Task 7 Project Management and Meetings						
Invoice for work in September 2019	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Project management
Invoice for work in October 2019	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in November 2019	4.00	\$980.00	\$0.00	\$32.50	\$1,012.50	Project management
Invoice for work in December 2019	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in January 2020	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in February 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in March 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in April 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in May 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in June 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in July 2020	2.75	\$680.00	\$0.00	\$32.50	\$712.50	Project management
Invoice for work in August 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in September 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in October 2020	35.75	\$8,758.75	\$0.00	\$32.50	\$8,791.25	Project management and meetings with GSA member agency managers
Invoice for work in November 2020	22.75	\$5,573.75	\$0.00	\$32.50	\$5,606.25	Project management and meetings with GSA member agency managers
Invoice for work in December 2020	17.00	\$4,165.00	\$0.00	\$32.50	\$4,197.50	Project management and meetings with GSA member agency managers
Invoice for work in January 2021	25.75	\$6,308.75	\$0.00	\$32.50	\$6,341.25	Project management and meetings with GSA member agency managers
Invoice for work in February 2021	15.50	\$3,797.50	\$0.00	\$32.50	\$3,830.00	Project management and meetings with GSA member agency managers
Invoice for work in March 2021	15.75	\$3,858.75	\$0.00	\$32.50	\$3,891.25	Project management and meetings with GSA member agency managers
Invoice for work in April 2021	7.75	\$1,898.75	\$0.00	\$32.50	\$1,931.25	Project management and meetings with GSA member agency managers
Invoice for work in May 2021	10.50	\$2,572.50	\$0.00	\$32.50	\$2,605.00	Project management and meetings with GSA member agency managers
Invoice for work in June 2021	2.50	\$612.50	\$0.00	\$32.50	\$645.00	Project management and meetings with GSA member agency managers
Invoice for work in July 2021	0.00	\$0.00	\$0.00	\$0.00	\$0.00	Project management and meetings with GSA member agency managers
Invoice for work in August 2021	312.00	\$77,515.00	\$4,200.00	\$1,170.00	\$82,885.00	Project management and meetings with GSA member agency managers
Invoice for work in September 2021	220.00	\$53,906.25	\$0.00	\$812.50	\$54,718.75	Project management and meetings with GSA member agency managers
Invoice for work in October 2021	92.00	\$23,608.75	\$4,200.00	\$357.50	\$28,166.25	Project management and meetings with GSA member agency managers
Task 7 Budget	312.00	\$77,515	\$4,200	\$1,170	\$82,885	
Task 7 Expenditures	220.00	\$53,906.25	\$0.00	\$812.50	\$54,718.75	
Task 7 Remaining	92.00	\$23,608.75	\$4,200.00	\$357.50	\$28,166.25	
Invoice Total for work in August 2019 (dated September 8, 2019)	55.25	\$11,706.25	\$0.00	\$32.50	\$11,738.75	- Data and information review and technical memorandum preparation (started 8/6/19) - GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice Total for work in September 2019 (dated October 8, 2019)	80.00	\$19,341.25	\$140.00	\$32.50	\$19,513.75	- Well siting recommendation review and technical memorandum preparation (ongoing throughout month) - Data review, model options discussions, and model strategy development (started 9/11/19) - Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in October 2019 (dated November 8, 2019)	104.25	\$24,086.25	\$0.00	\$32.50	\$24,118.75	- Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month) - Data review and model strategy technical memorandum preparation (ongoing throughout month) - Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19) - Project management
Invoice Total for work in November 2019 (dated December 8, 2019)	100.50	\$21,117.50	\$0.00	\$32.50	\$21,150.00	- Model strategy technical memorandum preparation and draft delivery 11/26/2019 - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in December 2019 (dated January 8, 2020)	46.75	\$9,443.75	\$0.00	\$32.50	\$9,476.25	- Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month) - Project management
Invoice Total for work in January 2020 (dated February 8, 2020)	68.75	\$15,163.75	\$420.00	\$32.50	\$15,616.25	- Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20) - Project management
Invoice Total for work in February 2020 (dated March 8, 2020)	48.50	\$11,992.50	\$0.00	\$32.50	\$12,025.00	- Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20 - Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month) - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20) - Project management
Invoice Total for work in March 2020 (dated April 8, 2020)	61.00	\$15,172.50	\$0.00	\$32.50	\$15,205.00	- Recharge data assessment and quantification for model construction (started 3/1/20) - Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month) - Project management
Invoice Total for work in April 2020 (dated May 8, 2020)	114.00	\$28,637.50	\$140.00	\$32.50	\$28,810.00	- Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20 - Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month) - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) - Project management
Invoice Total for work in May 2020 (dated June 8, 2020)	131.00	\$32,782.50	\$0.00	\$32.50	\$32,815.00	- Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20). - Project management
Invoice Total for work in June 2020 (dated July 8, 2020)	70.00	\$17,127.50	\$280.00	\$32.50	\$17,440.00	- Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA. - Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month) - Project management
Invoice Total for work in July 2020 (dated August 8, 2020)	85.50	\$18,668.75	\$0.00	\$32.50	\$18,701.25	- Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager. - Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in August 2020 (dated September 8, 2020)	29.50	\$6,366.25	\$70.00	\$32.50	\$6,468.75	- Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in September 2020 (dated October 8, 2020)	50.00	\$10,978.75	\$0.00	\$32.50	\$11,011.25	- Ongoing model construction including continuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management

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Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Invoice Total for work in October 2020 (dated November 8, 2020)	122.50	\$29,808.75	\$0.00	\$32.50	\$29,841.25	- Ongoing model construction including continuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in November 2020 (dated December 8, 2020)	139.75	\$35,203.75	\$0.00	\$32.50	\$35,236.25	- Ongoing model construction including continuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in December 2020 (dated January 8, 2021)	75.00	\$18,337.50	\$0.00	\$32.50	\$18,370.00	- Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in January 2021 (dated February 8, 2021)	132.50	\$33,367.50	\$0.00	\$32.50	\$33,400.00	- Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in February 2021 (dated March 8, 2021)	112.25	\$28,211.25	\$350.00	\$32.50	\$28,593.75	- Assistance with reviewing alternative monitoring well locations and discussions with well design consultant Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in March 2021 (dated April 8, 2021)	104.00	\$25,851.25	\$420.00	\$32.50	\$26,303.75	- Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of administrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in April 2021 (dated May 8, 2021)	178.00	\$44,456.25	\$2,030.00	\$32.50	\$46,518.75	- Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month) - Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month). - Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in May 2021 (dated June 8, 2021)	238.75	\$59,852.50	\$1,960.00	\$32.50	\$61,845.00	- Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month) - Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongoing throughout the month) - Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in June 2021 (dated July 8, 2021)	36.25	\$9,001.25	\$0.00	\$32.50	\$9,033.75	- Model file cleanup and packaging (ongoing throughout month) - Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021) - Project management and meetings with GSA member agency managers
Invoice Total for work in July 2021 (dated August 8, 2021)	23.50	\$5,777.50	\$0.00	\$32.50	\$5,810.00	- Model file cleanup and packaging (ongoing throughout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in August 2021 (dated September 8, 2021)	23.75	\$5,908.75	\$0.00	\$32.50	\$5,941.25	- Model file cleanup and packaging (ongoing throughout month) - Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in September 2021 (dated October 8, 2021)	50.75	\$12,586.25	\$0.00	\$32.50	\$12,618.75	- Model file cleanup and packaging (ongoing throughout month) - Discuss comments received on draft GSP and begin responses and revisions (started 9/6/2021). - Project management and meetings with GSA member agency managers
Invoice Total for work in October 2021 (dated November 8, 2021)	22.50	\$5,512.50	\$0.00	\$32.50	\$5,545.00	- Prepare responses to comments and continue revisions to GSP (ongoing throughout month) - Project management and meetings with GSA member agency managers
Total Budget	3,135.00	\$728,725	\$39,200	\$3,250	\$771,175	
Total Expenditures	2,304.50	\$ 556,460.00	\$ 5,810.00	\$ 877.50	\$ 563,147.50	
Total Remaining	830.50	\$ 172,265.00	\$ 33,390.00	\$ 2,372.50	\$ 208,027.50	
	26.5%	23.6%	85.2%	73.0%	27.0%	

From: [Margie Armstrong](#)
To: [AP](#)
Cc: [Ysmael Lu](#)
Subject: FW: Todd Groundwater Bedford-Coldwater GSP October 2021 Invoice and Status Summary
Date: Friday, November 5, 2021 1:22:09 PM
Attachments: [Todd Groundwater Invoice. Bedford-Coldwater GSP - November 8, 2021.pdf](#)

Hi Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice.

Thank You

Margie

From: Victor Harris <victor@hhwaterresources.com>
Sent: Friday, November 5, 2021 12:13 PM
To: Margie Armstrong <margie@evmwd.net>
Cc: Jorge Chavez <jchavez@evmwd.net>; Shugart, Kelly <kelly.shugart@stantec.com>
Subject: Todd Groundwater Bedford-Coldwater GSP October 2021 Invoice and Status Summary

[*External E-mail alert! Use caution before clicking links/attachments*]

Margie/Jorge;

Please find the attached invoice from Todd Groundwater for October. We have reviewed the invoice and recommend payment.

Thank you,

Victor

STANTEC CONSULTING SERVICES, 13980 COLLECTIONS CENTER DRIVE, CHICAGO IL 60693, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
1857377	BEDFORD COLDWATER GW SUSTAINABILITY AUTHORITY - ADMIN	10/31/21	\$8,131.31	\$0.00	\$8,131.31
TOTALS:			\$8,131.31	\$0.00	\$8,131.31

Detach at Perforation Before Depositing Check



BEDFORD COLDWATER
Groundwater Sustainability Authority
A PUBLIC AGENCY
31315 Chaney Street
Lake Elsinore, CA 92531

Bank of America
Inland Empire RCBO
P.O. Box 1072
Riverside, CA 92501
16-66 / 1220

Check Date
12/02/2021

Number
260

Amount
\$ *****8,131.31

PAY *VOID VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF **STANTEC CONSULTING SERVICES**
13980 COLLECTIONS CENTER DRIVE
CHICAGO IL 60693
US

NON-NEGOTIABLE



Received
 NOV 24 2021
 Finance Dept.

INVOICE

Invoice Number 1857377
 Invoice Date November 19, 2021
 Customer Number 147409
 Project Number 185865160

Bill To

BedfordColdwater Groudwater Sustainability Authority
 Accounts Payable
 31315 Chaney St
 Lake Elsinore CA 92531
 United States

Please Remit To

Stantec Consulting Services Inc. (SCSI)
 13980 Collections Center Drive
 Chicago IL 60693
 United States
 Federal Tax ID
 11-2167170

Project Description: Bedford Coldwater GW Sustainability Authority - Administrator

Stantec Project Manager:	Lapus, Kevin A	Voucher #	51-296
Contract No:	525	Vendor #	21 P005
Authorization Amount:	\$401,659.32	Pay Date	DEC 2 2021
Authorization Previously Billed:	\$323,893.49	Acct #	SEE BELOW
Authorization Billed to Date:	\$332,024.80	Entered Date	11/29/21
Current Invoice Due:	\$8,131.31		
Period Start Date:	October 1, 2021		
For Period Ending:	November 1, 2021		

Attention : Margie Armstrong
Title: Deputy Treasurer

51-15-310-110-53140-BCGSP	\$7,460.00
51-15-310-110-53140	\$671.31
Total	\$8,131.31

Invoice Number

1857377

Project Number

185865160

Top Task 001 Grant Administration

Low Task 001.1 Grant Administration

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	21.50	104.00	2,236.00
	<u>21.50</u>		<u>2,236.00</u>
Professional Services Subtotal	<u>21.50</u>		<u>2,236.00</u>

Disbursements

	Date	Cost	%	Current Amount
Flat Rate Disbursement 8% of 2,236.00	2021-11-05			178.88
Disbursements Subtotal				<u>178.88</u>

Low Task 001.1 Subtotal 2,414.88

Top Task 001 Total 2,414.88

Top Task 002 Planning Activities

Low Task 002.1 Project Management

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	1.50	104.00	156.00
	<u>1.50</u>		<u>156.00</u>
Senior Project Accountant MacDonnell, Colleen	0.25	89.00	22.25
	<u>0.25</u>		<u>22.25</u>

INVOICE

Invoice Number 1857377
Project Number 185865160

Professional Services Subtotal	1.75	178.25
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Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA26	2021-11-01	250.00	0.00	250.00
Flat Rate Disbursement 8% of 178.25	2021-11-05			14.26

Disbursements Subtotal	264.26
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Low Task 002.1 Subtotal	442.51
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Low Task 002.2 Monthly Conference Calls

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	1.50	104.00	156.00
	1.50		156.00
Professional Services Subtotal	1.50		156.00

Disbursements

	Date	Cost	%	Current Amount
Flat Rate Disbursement 8% of 156.00	2021-11-05			12.48

Disbursements Subtotal	12.48
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Low Task 002.2 Subtotal	168.48
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Low Task 002.4 GSA Web Site

INVOICE

Invoice Number

1857377

Project Number

185865160

Professional Services

Billing Level

	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	0.50	104.00	52.00
	0.50		52.00
Professional Services Subtotal	0.50		52.00

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA26	2021-11-01	200.00	0.00	200.00
Flat Rate Disbursement 8% of 52.00	2021-11-05			4.16
Disbursements Subtotal				204.16

Low Task 002.4 Subtotal

256.16

Low Task 002.6

Outreach Activities

Professional Services

Billing Level

	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	3.00	104.00	312.00
	3.00		312.00
Professional Services Subtotal	3.00		312.00

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA26	2021-11-01	1,100.00	0.00	1,100.00
Flat Rate Disbursement 8% of 312.00				

INVOICE

Invoice Number 1857377
 Project Number 185865160

2021-11-05 24.96

Disbursements Subtotal 1,124.96

Low Task 002.6 Subtotal 1,436.96

Low Task 002.8 Subcontractor Management

Professional Services

Billing Level	Hours	Rate	Current Amount
Junior Engineer/Scientist Shugart, Kelly K	1.00	104.00	104.00
	<u>1.00</u>		<u>104.00</u>
Professional Services Subtotal	<u>1.00</u>		<u>104.00</u>

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA26	2021-11-01	900.00	0.00	900.00
Flat Rate Disbursement 8% of 104.00	2021-11-05			8.32
Disbursements Subtotal				<u><u>908.32</u></u>

Low Task 002.8 Subtotal 1,012.32

Low Task 002.9 GSP Governance Sections

Disbursements

	Date	Cost	%	Current Amount
Direct - Other Direct Expenses				
H & H Water Resources LLC STBCGSA26	2021-11-01	2,400.00	0.00	2,400.00
Disbursements Subtotal				<u><u>2,400.00</u></u>

INVOICE

Invoice Number 1857377
Project Number 185865160

Low Task 002.9 Subtotal 2,400.00

Top Task 002 Total 5,716.43

Total Fees & Disbursements \$8,131.31

INVOICE TOTAL (USD) \$8,131.31

Billing Backup

Date	Project	Task	Expnd Type	Employee/Supplier	Quantity	Bill Rate	Bill Amount	Comment
10/6/2021	185865160	1.1	Direct - Regular	Shugart, Kelly K	3.00	104.00	312.00	
10/15/2021	185865160	1.1	Direct - Regular	Shugart, Kelly K	4.00	104.00	416.00	
10/19/2021	185865160	1.1	Direct - Regular	Shugart, Kelly K	3.00	104.00	312.00	
10/20/2021	185865160	1.1	Direct - Regular	Shugart, Kelly K	5.00	104.00	520.00	
10/21/2021	185865160	1.1	Direct - Regular	Shugart, Kelly K	3.50	104.00	364.00	
10/22/2021	185865160	1.1	Direct - Regular	Shugart, Kelly K	3.00	104.00	312.00	
Total Subtask 1.1					21.50		2,236.00	
10/7/2021	185865160	2.1	Direct - Regular	MacDonnell, Colleen	0.25	89.00	22.25	Revw H&H Sept. inv.; coord w/AP for processing.
10/12/2021	185865160	2.1	Direct - Regular	Shugart, Kelly K	0.50	104.00	52.00	
10/18/2021	185865160	2.1	Direct - Regular	Shugart, Kelly K	1.00	104.00	104.00	
Total Subtask 2.1					1.75		178.25	
10/12/2021	185865160	2.2	Direct - Regular	Shugart, Kelly K	0.50	104.00	52.00	
10/14/2021	185865160	2.2	Direct - Regular	Shugart, Kelly K	1.00	104.00	104.00	
Total Subtask 2.2					1.50		156.00	
10/25/2021	185865160	2.4	Direct - Regular	Shugart, Kelly K	0.50	104.00	52.00	
Total Subtask 2.4					0.50		52.00	
10/4/2021	185865160	2.6	Direct - Regular	Shugart, Kelly K	1.00	104.00	104.00	
10/6/2021	185865160	2.6	Direct - Regular	Shugart, Kelly K	2.00	104.00	208.00	
Total Subtask 2.6					3.00		312.00	
10/5/2021	185865160	2.8	Direct - Regular	Shugart, Kelly K	0.50	104.00	52.00	
10/13/2021	185865160	2.8	Direct - Regular	Shugart, Kelly K	0.50	104.00	52.00	
Total Subtask 2.8					1.00		104.00	
Total Project					29.25		3,038.25	



Stantec Consulting Services, Inc.
Stantec.Accounts.Payable.Invoices@Stantec.com

Remit to: H & H Water Resources, LLC
1446 Highland Ave.
Glendale, CA 91202

For Professional Services Rendered during the Period of 10/01/2021 to 10/31/2021

Invoice Number: STBCGSA-26
Date: 11/1/2021
Stantec Project No: 185865160
Authorization No: S20182-N
Project Name: Bedford Coldwater Groundwater Sustainability Authority-Administrator
Client: Stantec

<u>Billing Level</u>	<u>Name</u>	<u>Rate</u>	<u>Hours</u>	<u>Amount</u>
Principal	Harris, Victor	\$200.00	23.5	\$4,700.00
Project Administrator	Howell, Belinda	\$125.00	1.2	\$150.00
Labor Total			24.7	\$4,850.00
Invoice Total				\$4,850.00

Total Authorized Amount: \$114,900.00
Billed this Invoice: \$4,850.00
Total Invoiced to Date: \$87,877.95
Amt. Remaining: \$27,022.05
% Complete: 76%
% of Authorized Amount Invoiced to Date: 76%

Date	Project	Task	Name	Hours	Rate	Amount	Description of Work Performed
10/24/21	185865160	2.1	Harris, Victor	0.5	\$ 200	\$ 100.00	Review proposal from Todd Groundwater re annual report strategy.
10/04/21	185865160	2.1	Howell, Belinda	1.0	\$ 125	\$ 125.00	project and document support
10/05/21	185865160	2.1	Howell, Belinda	0.2	\$ 125	\$ 25.00	project and document support
		2.1 Total		1.7		\$ 250.00	
10/25/21	185865160	2.4	Harris, Victor	1.0	\$ 200	\$ 200.00	Write website GSP notification text and send to K. Shugart based on Water Code §10725.2
		2.4 Total		1.0		\$ 200.00	
10/04/21	185865160	2.6	Harris, Victor	2.5	\$ 200	\$ 500.00	Finalize response letter to NGOs
10/07/21	185865160	2.6	Harris, Victor	0.5	\$ 200	\$ 100.00	Review and comment on revised outreach plan from K. Shugart
10/11/21	185865160	2.6	Harris, Victor	1.0	\$ 200	\$ 200.00	Review and comment on outreach plan updates by K. Shugart of Stantec. Review requirements for notification to R. County
10/24/21	185865160	2.6	Harris, Victor	1.5	\$ 200	\$ 300.00	Review response letter from NGOs comment on the draft GSP, forward to Todd Groundwater for review.
		2.6 Total		5.5		\$ 1,100.00	
10/12/21	185865160	2.8	Harris, Victor	0.5	\$ 200	\$ 100.00	Discuss drilling strategy and schedule with Geoscience and EVMWD.
10/13/21	185865160	2.8	Harris, Victor	1.5	\$ 200	\$ 300.00	Review proposal for annual report from Todd groundwater. Discuss with C. Taylor of Todd and K. Shugart of Stantec. Review GSP tasks.
10/14/21	185865160	2.8	Harris, Victor	0.5	\$ 200	\$ 100.00	Follow-up with Todd Groundwater regarding completion of GSP based on NGO comments.
10/24/21	185865160	2.8	Harris, Victor	2.0	\$ 200	\$ 400.00	Review Co. of Riverside permitting requirements in response to Geoscience, respond to email
		2.8 Total		4.5		\$ 900.00	
10/05/21	185865160	2.9	Harris, Victor	2.0	\$ 200	\$ 400.00	Begin re-write of GSP to respond to NGO comments
10/06/21	185865160	2.9	Harris, Victor	2.0	\$ 200	\$ 400.00	Continue revisions to GSP based on comments from NGOs dated Sept 6, 2021
10/08/21	185865160	2.9	Harris, Victor	1.5	\$ 200	\$ 300.00	Continue on edits to projects and management actions.
10/31/21	185865160	2.9	Harris, Victor	6.5	\$ 200	\$ 1,300.00	Revise all tables in Section 8 of the GSP, edit remaining document and revise project costs
		2.9 Total		12.0		\$ 2,400.00	
		Grand Total		24.7		\$ 4,850.00	

Billing Backup for Stantec Invoice Number:

STBCGSA-26

Services Performed During the Invoice Period of (10/1/2021-11/1/2021)

Staff	1. Grant Administration	2. Planning Activities									Staff Totals
	1.1 Grant Administration	2.1 Project Management	2.2 Monthly Conference Calls (plus 2 extra)	2.3 Meetings at TVWD	2.4 GSA Web Site (monthly maintenance)	2.5 SharePoint Site (monthly maintenance)	2.6 Outreach Activities	2.7 RFP Development	2.8 Subcontractor Management	2.9 GSP Governance Sections	
Victor Harris		0.5			1		5.5		4.5	12	23.5
Kelly Shugart	21.5	1.5	1.5		0.5		3		1		29
Colleen MacDonnell		0.25									0.25
Belinda Howell		1.2									1.2
Task Totals	21.5	3.45	1.5	0	1.5	0	8.5	0	5.5	12	53.95

The Following Services Were Performed During the Performance Period of (10/1/2021-11/1/2021)

During this period, the following activities were completed during this invoice period for As-Needed Services for the GSA:

- Task 1.1
 - Prepare Q3 2021 invoice and progress report
- Task 2.1
 - Discuss upcoming Staff meeting agenda
 - Review proposal from Todd re annual report strategy
 - Monthly financial accounting and reporting
- Task 2.2
 - Prepare agenda, meeting summary, and attend monthly teleconference (10/14/2021)
- Task 2.4
 - Prepare website GSP notification text based on Water Code §10725.2
 - Update website with final GSP announcement
- Task 2.6
 - Review and edit stakeholder comment response letter
 - Finalize letter to NGOs
 - Update Outreach Plan based on stakeholder comments
 - Review and comment on updated Outreach Plan
 - Review requirements of notification to Riverside County
- Task 2.8
 - Call with Geoscience and EVMWD (10/12/21) to discuss progress and drilling strategy
 - Call with Todd (10/13/21) to discuss GSP and outreach plan edits
 - Call with Todd (10/14/21) to followup on completion of GSP based on NGO comments
 - Subcontractor management and coordination
- Task 2.9
 - Revise GSP to respond to NGO comments
 - Revise all tables in Section 8 of GSP and revise project costs

From: [Margie Armstrong](#)
To: [AP](#)
Subject: Stantec 202110 BCGSA invoice
Date: Wednesday, November 24, 2021 4:20:26 PM
Attachments: [202110 BCGSA invoice.pdf](#)

Hi Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice. Account coding is shown on the invoice.

Thank You.

Have a great Thanksgiving.

Margie

From: Shugart, Kelly <kelly.shugart@stantec.com>
Sent: Wednesday, November 24, 2021 10:03 AM
To: Margie Armstrong <margie@evmwd.net>
Cc: Victor Harris <victor@hhwaterresources.com>; Jorge Chavez <jchavez@evmwd.net>; Park, Sarah <Sarah.Park@stantec.com>
Subject: 202110 BCGSA invoice

[*External E-mail alert! Use caution before clicking links/attachments*]

Hi Margie,

Please find the attached invoice for Stantec/H&H's work in October (clean and grant copies are included). A hardcopy is in the mail, as well.

Please let us know if you have any questions.

I hope you have a great Thanksgiving holiday,
Kelly

Kelly Shugart, PG (TX)
Hydrogeologist



1905 Aldrich Street Suite 300
Austin TX 78723-3544
Phone: (512) 265-8466
Cell: (626) 232-0201
kelly.shugart@stantec.com

The content of this email is the confidential property of Stantec and should not be copied, modified, retransmitted, or used for any purpose except with Stantec's written authorization. If you are not the intended recipient, please delete all copies and notify us immediately.

Please consider the environment before printing this email.

TODD GROUNDWATER, 2490 MARINER SQUARE LOOP, SUITE 215, ALAMEDA CA 94501, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
808021221	BEDFORD COLDWATER GSP	11/30/21	\$9,351.25	\$0.00	\$9,351.25
TOTALS:			\$9,351.25	\$0.00	\$9,351.25

Detach at Perforation Before Depositing Check



BEDFORD COLDWATER
Groundwater Sustainability Authority
A PUBLIC AGENCY
31315 Chaney Street
Lake Elsinore, CA 92531

Bank of America
Inland Empire RCBO
P.O. Box 1072
Riverside, CA 92501
16-66 / 1220

Check Date
12/16/2021

Number
264

Amount
\$ ****9,351.25

PAY *VOID VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF
TODD GROUNDWATER
2490 MARINER SQUARE LOOP
SUITE 215
ALAMEDA CA 94501
US

NON-NEGOTIABLE

TODD GROUNDWATER

2490 Mariner Square Loop, Suite 215
 Alameda, CA 94501
 510/747-6920 Federal ID# 94-2490748

Received

DEC 13, 2021

Finance Dept.

CONTRACT 803

Voucher # 51-299

Vendor # 815

Pay Date DEC 16, 2021

Acct # 51-15-310-110 53140 BCGSP

Entered Date 12/14/21

Invoice

DATE
12/8/2021

INVOICE NO.
80802 1221

BILL TO:

Bedford-Coldwater Groundwater Agency
 Attn: Margie Armstrong
 31315 Chaney Street
 Lake Elsinore, CA 92530

Project No: 80802- Bedford-Coldwater GSP

DESCRIPTION	HOURS	RATE	AMOUNT
Professional Services in connection with the preparation of the Groundwater Sustainability Plan for the Bedford-Coldwater Groundwater Basin			
Chad Taylor	26.25	245.00	6,431.25
Maureen Reilly	7.5	245.00	1,837.50
Nicole Grimm	7.5	140.00	1,050.00
Professional Services Subtotal			9,318.75
Administrative/Secretarial:			
Cynthia Obuchi	0.25	130.00	32.50

Nov 1 - Nov 30

\$9,351.25

This invoice is now due and payable. Balances unpaid over 30 days accrue 1.5% interest per month. If payment for previous charges has been sent, please accept our thanks and disregard our reminder of previous unpaid charges.

Bedford Coldwater Basin Groundwater Sustainability Plan Budget Status Summary
Budget Summary as of: December 9, 2021



Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Task 1 Resolution of Recommended Field Work						
Invoice for work in August 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Data and information review and technical memorandum preparation (started 8/6/19)
Invoice for work in September 2019	13.25	\$3,246.25	\$0.00	\$0.00	\$3,246.25	Well siting recommendation review and technical memorandum preparation (ongoing throughout month)
Invoice for work in October 2019	15.00	\$3,375.00	\$0.00	\$0.00	\$3,375.00	Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month)
Invoice for work in February 2020	12.50	\$3,062.50	\$0.00	\$0.00	\$3,062.50	Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20
Invoice for work in April 2020	10.25	\$2,511.25	\$0.00	\$0.00	\$2,511.25	Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20.
Invoice for work in June 2020	9.75	\$2,388.75	\$280.00	\$0.00	\$2,668.75	Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA.
Invoice for work in July 2020	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager.
Invoice for work in February 2021	5.75	\$1,408.75	\$0.00	\$0.00	\$1,408.75	Assistance with reviewing alternative monitoring well locations and discussions with well design consultant
Task 1 Budget	84.00	\$18,430	\$1,400	\$260	\$20,090	
Task 1 Expenditures	84.00	\$19,980.00	\$280.00	\$0.00	\$20,260.00	
Task 1 Remaining	0.00	-\$1,550.00	\$1,120.00	\$260.00	-\$170.00	
Task 2 Groundwater Modeling						
Invoice for work in September 2019	10.75	\$2,630.00	\$0.00	\$0.00	\$2,630.00	Data review, model options discussions, and model strategy development (started 9/11/19)
Invoice for work in October 2019	38.00	\$9,655.00	\$0.00	\$0.00	\$9,655.00	Data review and model strategy technical memorandum preparation (ongoing throughout month)
Invoice for work in November 2019	24.50	\$6,097.50	\$0.00	\$0.00	\$6,097.50	Model strategy technical memorandum preparation and draft delivery 11/26/2019
Invoice for work in February 2020	12.00	\$3,050.00	\$0.00	\$0.00	\$3,050.00	Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month)
	17.75	\$4,476.25	\$0.00	\$0.00	\$4,476.25	Recharge data assessment and quantification for model construction (started 3/1/20)
25-May	69.00	\$17,535.00	\$0.00	\$0.00	\$17,535.00	Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month).
Invoice for work in May 2020	86.75	\$21,981.25	\$0.00	\$0.00	\$21,981.25	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in June 2020	48.25	\$11,798.75	\$0.00	\$0.00	\$11,798.75	Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month)
Invoice for work in July 2020	64.00	\$13,735.00	\$0.00	\$0.00	\$13,735.00	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in August 2020	23.50	\$4,896.25	\$70.00	\$0.00	\$4,966.25	Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month)
Invoice for work in September 2020	22.25	\$4,605.00	\$0.00	\$0.00	\$4,605.00	Ongoing model construction including continuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month)
Invoice for work in October 2020	54.00	\$13,770.00	\$0.00	\$0.00	\$13,770.00	Ongoing model construction including continuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month)
Invoice for work in November 2020	107.50	\$27,387.50	\$0.00	\$0.00	\$27,387.50	Ongoing model construction including continuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month)
Invoice for work in December 2020	40.00	\$10,200.00	\$0.00	\$0.00	\$10,200.00	Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month)
Invoice for work in January 2021	99.25	\$25,221.25	\$0.00	\$0.00	\$25,221.25	Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month)
Invoice for work in February 2021	85.00	\$21,535.00	\$0.00	\$0.00	\$21,535.00	Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month)
Invoice for work in March 2021	59.00	\$14,826.25	\$0.00	\$0.00	\$14,826.25	Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month)
Invoice for work in April 2021	110.00	\$27,796.25	\$0.00	\$0.00	\$27,796.25	Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month)
Invoice for work in May 2021	107.00	\$27,011.25	\$0.00	\$0.00	\$27,011.25	Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month)
Invoice for work in June 2021	2.00	\$510.00	\$0.00	\$0.00	\$510.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in July 2021	8.75	\$2,163.75	\$0.00	\$0.00	\$2,163.75	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in August 2021	9.00	\$2,295.00	\$0.00	\$0.00	\$2,295.00	Model file cleanup and packaging (ongoing throughout month)
Invoice for work in September 2021	12.75	\$3,203.75	\$0.00	\$0.00	\$3,203.75	Model file cleanup and packaging (ongoing throughout month)
Task 2 Budget	1,628.00	\$372,235	\$4,200	\$520	\$376,955	
Task 2 Expenditures	1,111.00	\$276,380.00	\$70.00	\$0.00	\$276,450.00	
Task 2 Remaining	517.00	\$95,855.00	\$4,130.00	\$520.00	\$100,505.00	
Task 3 Prepare Draft GSP						
Invoice for work in August 2019	40.25	\$8,331.25	\$0.00	\$32.50	\$8,363.75	GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice for work in September 2019	53.50	\$12,852.50	\$140.00	\$32.50	\$13,025.00	Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month)
Invoice for work in October 2019	49.25	\$10,566.25	\$0.00	\$0.00	\$10,566.25	Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19)
Invoice for work in November 2019	72.00	\$14,040.00	\$0.00	\$0.00	\$14,040.00	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month)
Invoice for work in December 2019	45.75	\$9,198.75	\$0.00	\$0.00	\$9,198.75	Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month)
Invoice for work in January 2020	67.75	\$14,918.75	\$420.00	\$0.00	\$15,338.75	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20)
Invoice for work in February 2020	22.50	\$5,512.50	\$0.00	\$0.00	\$5,512.50	Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20)
Invoice for work in March 2020	41.50	\$10,267.50	\$0.00	\$0.00	\$10,267.50	Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month)
Invoice for work in April 2020	33.25	\$8,223.75	\$140.00	\$0.00	\$8,363.75	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month)
Invoice for work in May 2020	42.50	\$10,372.50	\$0.00	\$0.00	\$10,372.50	Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20).
Invoice for work in June 2020	10.00	\$2,450.00	\$0.00	\$0.00	\$2,450.00	Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month)
Invoice for work in July 2020	16.25	\$3,641.25	\$0.00	\$0.00	\$3,641.25	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in August 2020	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in September 2020	25.75	\$5,883.75	\$0.00	\$0.00	\$5,883.75	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in October 2020	32.75	\$7,280.00	\$0.00	\$0.00	\$7,280.00	Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in November 2020	9.50	\$2,242.50	\$0.00	\$0.00	\$2,242.50	Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in December 2020	18.00	\$3,972.50	\$0.00	\$0.00	\$3,972.50	Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in January 2021	7.50	\$1,837.50	\$0.00	\$0.00	\$1,837.50	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in February 2021	6.00	\$1,470.00	\$350.00	\$0.00	\$1,820.00	Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in March 2021	29.25	\$7,166.25	\$420.00	\$0.00	\$7,586.25	Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of administrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in April 2021	55.75	\$13,658.75	\$2,030.00	\$0.00	\$15,688.75	Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month).
Invoice for work in May 2021	52.50	\$13,425.00	\$0.00	\$0.00	\$13,425.00	Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month).
Task 3 Budget	927.00	\$216,065	\$22,400	\$1,040	\$239,505	
Task 3 Expenditures	735.50	\$168,291.25	\$3,500.00	\$65.00	\$171,856.25	
Task 3 Remaining	191.50	\$47,773.75	\$18,900.00	\$975.00	\$67,648.75	

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Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Task 4 Comments on the Draft GSP						
Invoice for work in April 2021	4.50	\$1,102.50	\$0.00	\$0.00	\$1,102.50	Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21)
Invoice for work in May 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation
Task 4 Budget	9.00	\$2,230	\$0	\$0	\$2,230	
Task 4 Expenditures	8.50	\$2,082.50	\$0.00	\$0.00	\$2,082.50	
Task 4 Remaining	0.50	\$147.50	\$0.00	\$0.00	\$147.50	
Task 5 Revised Draft GSP						
Invoice for work in May 2021	64.75	\$15,863.75	\$1,960.00	\$0.00	\$17,823.75	Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21)
Invoice for work in June 2021	31.75	\$7,878.75	\$0.00	\$0.00	\$7,878.75	Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021)
Invoice for work in August 2021	4.00	\$980.00	\$0.00	\$0.00	\$980.00	Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month)
Task 5 Budget	105.00	\$25,375	\$2,800	\$130	\$28,305	
Task 5 Expenditures	100.50	\$24,722.50	\$1,960.00	\$0.00	\$26,682.50	
Task 5 Remaining	4.50	\$652.50	\$840.00	\$130.00	\$1,622.50	
Task 6 Final Draft GSP Based on Public Comments						
Invoice for work in September 2021	30.50	\$7,545.00	\$0.00	\$0.00	\$7,545.00	Discuss comments received on draft GSP and begin responses and revisions (started 9/6/2021).
Invoice for work in October 2021	14.50	\$3,552.50	\$0.00	\$0.00	\$3,552.50	Prepare responses to comments and continue revisions to GSP (ongoing throughout month)
Invoice for work in November 2021	30.00	\$6,562.50	\$0.00	\$0.00	\$6,562.50	Finalize GSP and prepare for uploading to DWR GSP Portal (ongoing throughout month)
Task 6 Budget	75.00	\$17,660.00	\$4,200	\$130	\$21,205	
Task 6 Expenditures	75.00	\$17,660.00	\$4,200.00	\$0.00	\$17,660.00	
Task 6 Remaining	-0.00	-\$0.00	\$0.00	\$130.00	\$130.00	
Task 7 Project Management and Meetings						
Invoice for work in September 2019	2.50	\$612.50	\$0.00	\$0.00	\$612.50	Project management
Invoice for work in October 2019	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in November 2019	4.00	\$980.00	\$0.00	\$32.50	\$1,012.50	Project management
Invoice for work in December 2019	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in January 2020	1.00	\$245.00	\$0.00	\$32.50	\$277.50	Project management
Invoice for work in February 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in March 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in April 2020	1.50	\$367.50	\$0.00	\$32.50	\$400.00	Project management
Invoice for work in May 2020	1.75	\$428.75	\$0.00	\$32.50	\$461.25	Project management
Invoice for work in June 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in July 2020	2.75	\$680.00	\$0.00	\$32.50	\$712.50	Project management
Invoice for work in August 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in September 2020	2.00	\$490.00	\$0.00	\$32.50	\$522.50	Project management
Invoice for work in October 2020	35.75	\$8,758.75	\$0.00	\$32.50	\$8,791.25	Project management and meetings with GSA member agency managers
Invoice for work in November 2020	22.75	\$5,573.75	\$0.00	\$32.50	\$5,606.25	Project management and meetings with GSA member agency managers
Invoice for work in December 2020	17.00	\$4,165.00	\$0.00	\$32.50	\$4,197.50	Project management and meetings with GSA member agency managers
Invoice for work in January 2021	25.75	\$6,308.75	\$0.00	\$32.50	\$6,341.25	Project management and meetings with GSA member agency managers
Invoice for work in February 2021	15.50	\$3,797.50	\$0.00	\$32.50	\$3,830.00	Project management and meetings with GSA member agency managers
Invoice for work in March 2021	15.75	\$3,858.75	\$0.00	\$32.50	\$3,891.25	Project management and meetings with GSA member agency managers
Invoice for work in April 2021	7.75	\$1,898.75	\$0.00	\$32.50	\$1,931.25	Project management and meetings with GSA member agency managers
Invoice for work in May 2021	10.50	\$2,572.50	\$0.00	\$32.50	\$2,605.00	Project management and meetings with GSA member agency managers
Invoice for work in June 2021	2.50	\$612.50	\$0.00	\$32.50	\$645.00	Project management and meetings with GSA member agency managers
Invoice for work in July 2021	11.25	\$2,756.25	\$0.00	\$32.50	\$2,788.75	Project management and meetings with GSA member agency managers
Invoice for work in August 2021	312.00	\$77,515.00	\$4,200.00	\$1,170.00	\$82,885.00	Project management and meetings with GSA member agency managers
Invoice for work in September 2021	231.25	\$56,662.50	\$0.00	\$845.00	\$57,507.50	Project management and meetings with GSA member agency managers
Invoice for work in October 2021	80.75	\$20,852.50	\$4,200.00	\$325.00	\$25,377.50	Project management and meetings with GSA member agency managers
Invoice for work in November 2021	55.25	\$11,706.25	\$0.00	\$32.50	\$11,738.75	Project management and meetings with GSA member agency managers
Task 7 Budget	312.00	\$77,515	\$4,200	\$1,170	\$82,885	
Task 7 Expenditures	231.25	\$56,662.50	\$0.00	\$845.00	\$57,507.50	
Task 7 Remaining	80.75	\$20,852.50	\$4,200.00	\$325.00	\$25,377.50	
Invoice Total for work in August 2019 (dated September 8, 2019)	55.25	\$11,706.25	\$0.00	\$32.50	\$11,738.75	- Data and information review and technical memorandum preparation (started 8/6/19) - GSP preparation planning, initial preparation of GSP chapters - Plan Area (started 8/16/19) and Hydrogeologic Conceptual Model (started 8/27/19)
Invoice Total for work in September 2019 (dated October 8, 2019)	80.00	\$19,341.25	\$140.00	\$32.50	\$19,513.75	- Well siting recommendation review and technical memorandum preparation (ongoing throughout month) - Data review, model options discussions, and model strategy development (started 9/11/19) - Draft Plan Area GSP chapter (Chapter 2) preparation and transmittal to BCGSA 9/25/19 and work on HCM, specifically reviewing data for topography, soils, surficial geology, basin depth, and water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in October 2019 (dated November 8, 2019)	104.25	\$24,086.25	\$0.00	\$32.50	\$24,118.75	- Well siting recommendation review, technical memorandum preparation, and response to comments (ongoing throughout month) - Data review and model strategy technical memorandum preparation (ongoing throughout month) - Work on HCM chapter (ongoing throughout month, creating topography, soil, and geology maps and drafts of related chapter sections) and beginning work on Groundwater Conditions draft chapter (started 10/5/19) - Project management
Invoice Total for work in November 2019 (dated December 8, 2019)	100.50	\$21,117.50	\$0.00	\$32.50	\$21,150.00	- Model strategy technical memorandum preparation and draft delivery 11/26/2019 - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing topography, soil, and geology figures, starting work on cross sections, modifying basin depth dataset, evaluating groundwater conditions of water levels and quality (ongoing throughout month) - Project management
Invoice Total for work in December 2019 (dated January 8, 2020)	46.75	\$9,443.75	\$0.00	\$32.50	\$9,476.25	- Work on HCM and Groundwater Conditions draft chapters, specifically revising continuing basin depth/bedrock surface modifications, water level, and water quality data analysis, and evaluating for the presence of groundwater dependent ecosystems (ongoing throughout month) - Project management
Invoice Total for work in January 2020 (dated February 8, 2020)	68.75	\$15,163.75	\$420.00	\$32.50	\$15,616.25	- Work on HCM and Groundwater Conditions draft chapters, specifically finalizing basin depth/bedrock depth modifications and water level analysis and continuing work on water quality analysis and interconnected surface water assessment, revising cross sections, and drafting related sections of HCM and GW Conditions chapters (ongoing throughout month), start on Water Budget data analysis (started 1/27/20), provided background and recommendations regarding management areas (started 1/24/20, sent 1/30/20) - Project management
Invoice Total for work in February 2020 (dated March 8, 2020)	48.50	\$11,992.50	\$0.00	\$32.50	\$12,025.00	- Response to well siting recommendation comments and memo revisions, revised memo delivered 2/27/20 - Model strategy comment review and model data development, integrating comments into modeling strategy and planning for model construction (ongoing throughout month) - Work on HCM and Groundwater Conditions draft chapters, specifically finalizing water quality analysis and figures and cross sections, finalizing water level and water quality GW Conditions chapter sections, starting subsidence analysis, and start evaluation of endangered species (ongoing throughout month), work on Water Budget data analysis, specifically assessing watershed soil moisture balances and surface water flow (ongoing throughout month), discussions and additional information for the development of management areas (sent 2/27/20), preparation of a GSP outline for Stantec to use in the preparation of selected GSP sections (started 2/26/20) - Project management
Invoice Total for work in March 2020 (dated April 8, 2020)	61.00	\$15,172.50	\$0.00	\$32.50	\$15,205.00	- Recharge data assessment and quantification for model construction (started 3/1/20) - Finished draft of HCM and Groundwater Conditions chapters, specifically finalizing assessments of subsidence, interconnected surface water, GDEs, and endangered species and completing related figures and text preparation (ongoing throughout month), work on Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow (ongoing throughout month) - Project management
Invoice Total for work in April 2020 (dated May 8, 2020)	114.00	\$28,637.50	\$140.00	\$32.50	\$28,810.00	- Discussion of additional comments from GSA on monitoring well location recommendations and preparation of additional maps and datasets showing expanded monitoring well location areas, transmitted 4/10/20. - Finalization of model strategy memorandum and responses to comments (delivered 4/16/20), model grid development and refinement, initial model layering, recharge analysis, and other model construction tasks (ongoing throughout month). - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) - Project management
Invoice Total for work in May 2020 (dated June 8, 2020)	131.00	\$32,782.50	\$0.00	\$32.50	\$32,815.00	- Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Water Budget data analysis, specifically continuing to assess watershed soil moisture balances and surface water flow, identifying historical water use by source, reviewing future water budget components, and researching changes to water supply resulting from climate change (ongoing throughout month) and initiation of sustainability criteria discussion with GSA (started 5/11/20). - Project management
Invoice Total for work in June 2020 (dated July 8, 2020)	70.00	\$17,127.50	\$280.00	\$32.50	\$17,440.00	- Development of additional data for review and identification of existing wells to sample and equip with transducers, and discussion of monitoring well locations, water quality sampling, and transducer installation with GSA. - Ongoing model construction including continuing layering, developing recharge inputs, analyzing pumping and other outflows, assessing impacts from mining, and developing calibration datasets (ongoing throughout month) - Reviewing and incorporating comments on draft of HCM and Groundwater Conditions chapters (ongoing throughout month) and development of conceptual sustainability criteria for further discussion with GSA (ongoing throughout month) - Project management
Invoice Total for work in July 2020 (dated August 8, 2020)	85.50	\$18,668.75	\$0.00	\$32.50	\$18,701.25	- Continues discussion of new monitoring well locations, existing wells to sample, and existing wells to equip with transducers with GSA and GSA manager. - Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in August 2020 (dated September 8, 2020)	29.50	\$6,366.25	\$70.00	\$32.50	\$6,468.75	- Ongoing model construction including developing recharge inputs, analyzing pumping and other outflows, developing calibration datasets, and assessing future water demands (ongoing throughout month) - Water Budget data analysis and draft chapter preparation, specifically continuing to assess watershed soil moisture balances and surface water flow, historical water use by source, future water budget components, researching changes to water supply resulting from climate change, writing draft water budget methodologies, and preparing water budget tables (ongoing throughout month) and ongoing sustainability criteria discussion and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management
Invoice Total for work in September 2020 (dated October 8, 2020)	50.00	\$10,978.75	\$0.00	\$32.50	\$11,011.25	- Ongoing model construction including continuing recharge input development, analyzing outflows, and assessing future water demands (ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria discussion including meeting with GSA member agencies to plan sustainability criteria and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and starting Monitoring Plan chapter of GSP (started 9/10/2020); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management

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Tasks	Technical Labor Totals		GIS / Graphics Costs	Admin Costs	Total	Description of Work
	hours	\$				
Invoice Total for work in October 2020 (dated November 8, 2020)	122.50	\$29,808.75	\$0.00	\$32.50	\$29,841.25	- Ongoing model construction including continuing recharge input development, establishing model geometry and initial parameterization, analyzing outflows, and preparing for calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, continuing to assess watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in November 2020 (dated December 8, 2020)	139.75	\$35,203.75	\$0.00	\$32.50	\$35,236.25	- Ongoing model construction including continuing recharge input development, refining model geometry and parameterization, analyzing outflows, and starting calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, finalizing watershed soil moisture balances and surface water flow, future water budget components, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in December 2020 (dated January 8, 2021)	75.00	\$18,337.50	\$0.00	\$32.50	\$18,370.00	- Ongoing model construction including recharge input revisions, refining model parameterization, analyzing outflows, and continuing calibration(ongoing throughout month) - Ongoing Water Budget data analysis and draft chapter preparation, future water budget component estimation, and writing draft water budget methodologies, (ongoing throughout month); ongoing sustainability criteria development and drafting Sustainability Criteria chapter of GSP (ongoing throughout month); assessing monitoring plan components and refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in January 2021 (dated February 8, 2021)	132.50	\$33,367.50	\$0.00	\$32.50	\$33,400.00	- Ongoing model refinement, finalizing recharge inputs and hydrology model datasets, calibration to refine parameterization, and analyzing model output (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); ongoing drafting of Sustainability Criteria chapter of GSP (ongoing throughout month); refining Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in February 2021 (dated March 8, 2021)	112.25	\$28,211.25	\$350.00	\$32.50	\$28,593.75	- Assistance with reviewing alternative monitoring well locations and discussions with well design consultant Ongoing model refinement, calibration to refine parameterization, analyzing model output, and refinement to address water budget questions (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario development, and draft water budget writing, (ongoing throughout month); finalization of administrative draft of Sustainability Criteria chapter of GSP (ongoing throughout month); finalization of administrative draft Monitoring Plan chapter of GSP (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in March 2021 (dated April 8, 2021)	104.00	\$25,851.25	\$420.00	\$32.50	\$26,303.75	- Ongoing model refinement, calibration to refine parameterization, analyzing model output, refinement to address water budget questions relating to quarries, and preparation of future growth and climate change scenarios (ongoing throughout month) - Ongoing Water Budget draft chapter preparation, future water budget scenario refinement, and draft water budget writing, (ongoing throughout month); presentation of administrative draft of Sustainability Criteria chapter of GSP to GSA (ongoing throughout month); presentation of administrative draft Monitoring Plan chapter of GSP to GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Project management and meetings with GSA member agency managers
Invoice Total for work in April 2021 (dated May 8, 2021)	178.00	\$44,456.25	\$2,030.00	\$32.50	\$46,518.75	- Numerical model finalization, model output analysis, water budget simulations for historical, current, and future conditions including climate change scenarios (ongoing throughout month) - Water Budget draft chapter finalization and presentation to GSA for review (4/26/21), including future water budget and climate change assessment (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters for consistency with numerical model and re-submittal to GSA (ongoing throughout month, drafts resubmitted 4/29/21); and other GSP chapter planning with GSA manager (ongoing throughout month). - Responding to GSP comments and making edits to draft GSP chapters completed to date (started 4/6/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in May 2021 (dated June 8, 2021)	238.75	\$59,852.50	\$1,960.00	\$32.50	\$61,845.00	- Final model simulations and output analysis for historical, current, and future conditions water budgets, including climate change scenarios (ongoing throughout month) - Refinement and discussion of Water Budget draft chapter (ongoing throughout month); refinement of Hydrogeologic Conceptual Model and Groundwater Conditions chapters following discussion with GSA (ongoing throughout month); and other GSP chapter planning with GSA manager (ongoing throughout month). - Continuing to respond to comments on the GSP made by the GSA and revising individual chapters for complete GSP compilation (ongoing throughout the month) - Compiling complete GSP from individual chapters and preparing for public draft release (started 5/3/21) - Project management and meetings with GSA member agency managers
Invoice Total for work in June 2021 (dated July 8, 2021)	36.25	\$9,001.25	\$0.00	\$32.50	\$9,033.75	- Model file cleanup and packaging (ongoing throughout month) - Compiling complete GSP from individual chapters and preparing for public draft release (Finished 6/3/2021) - Project management and meetings with GSA member agency managers
Invoice Total for work in July 2021 (dated August 8, 2021)	23.50	\$5,777.50	\$0.00	\$32.50	\$5,810.00	- Model file cleanup and packaging (ongoing throughout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in August 2021 (dated September 8, 2021)	23.75	\$5,908.75	\$0.00	\$32.50	\$5,941.25	- Model file cleanup and packaging (ongoing throughout month) - Reviewing initial comment notification and data request messages and coordinating responses (ongoing throughout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in September 2021 (dated October 8, 2021)	50.75	\$12,586.25	\$0.00	\$32.50	\$12,618.75	- Model file cleanup and packaging (ongoing throughout month) - Discuss comments received on draft GSP and begin responses and revisions (started 9/6/2021). - Project management and meetings with GSA member agency managers
Invoice Total for work in October 2021 (dated November 8, 2021)	22.50	\$5,512.50	\$0.00	\$32.50	\$5,545.00	- Prepare responses to comments and continue revisions to GSP (ongoing throughout month) - Project management and meetings with GSA member agency managers
Invoice Total for work in November 2021 (dated December 8, 2021)	41.25	\$9,318.75	\$0.00	\$32.50	\$9,351.25	- Finalize GSP and prepare for uploading to DWR GSP Portal (ongoing throughout month) - Project management and meetings with GSA member agency managers
Total Budget	3,135.00	\$728,725	\$39,200	\$3,250	\$771,175	
Total Expenditures	2,345.75	\$ 565,778.75	\$ 5,810.00	\$ 910.00	\$ 572,498.75	
Total Remaining	789.25	\$ 162,946.25	\$ 33,390.00	\$ 2,340.00	\$ 198,676.25	
	25.2%	22.4%	85.2%	72.0%	25.8%	

From: [Margie Armstrong](#)
To: [AP](#)
Cc: [Ysmael Lu](#)
Subject: FW: Todd Groundwater Bedford-Coldwater GSP November 2021 Invoice and Status Summary
Date: Monday, December 13, 2021 9:29:42 AM
Attachments: [Todd Groundwater Invoice. Bedford-Coldwater GSP - December 8, 2021.pdf](#)

Hi Maria & Nicole,

Please accept this email as my approval for payment of the attached invoice.

Thank You

Margie

From: Victor Harris <victor@hhwaterresources.com>
Sent: Friday, December 10, 2021 5:02 PM
To: Margie Armstrong <margie@evmwd.net>
Cc: Jorge Chavez <jchavez@evmwd.net>; Shugart, Kelly <kelly.shugart@stantec.com>
Subject: Todd Groundwater Bedford-Coldwater GSP November 2021 Invoice and Status Summary

[*External E-mail alert! Use caution before clicking links/attachments*]

Margie, Jorge;

Please find the attached invoice from Todd Groundwater for the month of December. We have reviewed the invoice and recommend payment.

Thank you,

Victor

ABC LIOVIN DRILLING INC., 1180 EAST BURNETT ST, SIGNAL HILL CA 90755, US

Invoice No.	Description	Date	Gross Amount	Discount Amount	Net Amount Paid
PP1	DRILLING, CONST, DEVELOPMENT & TESTING FOR MW-1 & MW-2	12/22/21	\$127,442.50	\$0.00	\$127,442.50
TOTALS:			\$127,442.50	\$0.00	\$127,442.50

Detach at Perforation Before Depositing Check



BEDFORD COLDWATER
Groundwater Sustainability Authority
A PUBLIC AGENCY
31315 Chaney Street
Lake Elsinore, CA 92531

Bank of America
Inland Empire RCBO
P.O. Box 1072
Riverside, CA 92501
16-66 / 1220

Check Date
01/20/2022

Number
268

Amount
\$ ***127,442.50

PAY *VOID VOID VOID VOID VOID VOID VOID VOID*

PAY TO THE ORDER OF
ABC LIOVIN DRILLING INC.
1180 EAST BURNETT ST
SIGNAL HILL CA 90755
US

NON-NEGOTIABLE



Received

JAN 13, 2022

Finance Dept.

Monthly Payment Estimate Summary

Progress Payment No.

1

Contract: Drilling, Construction, Development, and Testing of Monitoring Wells MW-1 & MW-2

Contractor: ABC Liovin Drilling

Contract #

1065

Period:	11/29/2021	to	12/22/2021	Work Order No.	393927		1/6/2022
				Previous Total	This Month	Total To Date	
Total Earnings for Work and Materials Installed				\$ -	\$ 134,150.00	\$ 134,150.00	
Less: 5% Retainage..... Voucher # 51-308				\$ -	\$ 6,707.50	\$ 6,707.50	
Net Earnings.....				\$ -	\$ 127,442.50	\$ 127,442.50	
Less: Previous Payments... Vendor # 1596						\$ -	
Less: Withholdings..... Pay Date JAN 20, 2022						\$ -	
Less: Liquidated Damages. Acct # 51-15-XX-100 16210 50001						\$ -	
Net Payment this Estimate						\$ 127,442.50	
Entered Date 01/17/22							

% Time Elapsed - As of : 12/22/2021 25.0% % Work Completed Based on Cost: 35.0%

Contract Completion Data		Contract Budget Data	
Notice to Proceed Date.....	11/22/2021	Original Contract Amount.....	\$ 369,150.00
Original Contract Completion Time.....	120	Change Order Amount.....	Insert Amount
Approved Time Extensions.....	Insert Days	Total Contract Amount.....	\$ 369,150.00
Contract Completion Date.....	3/22/2022		

Certification by Owner's Representatives
 I certify that I have checked and verified this Progress Payment Application and to the best of my knowledge and belief, it is a true and correct statement of work performed and/or material supplied by the contractor; that all work included in this estimate has been inspected by me and that it has been performed and/or supplied in full accordance with requirements of the contract.
 *PLEASE SIGN ON THE LINE ABOVE YOUR TITLE.

Inspector	Date
	1/11/2021
Construction Manager	Date
	1/13/2022
Project Manager	Date
	01/13/2022
Engineering Manager Deputy Treasurer	Date
Director of Engineering and Water Resources	Date
Assistant General Manager	Date

Certification of Contractor
 According to the best of my knowledge and belief, I certify that all items and amounts shown in this progress payment application are correct: all work has been performed and/or material supplied in full accordance with the requirements of the referenced contract, and/or additions; that the foregoing is a true statement of the contract amount up to and including the last day of the period covered in the progress payment application; that no part of the "balance" due this payment has been received.
 In addition, I certify that this payment complies with State of California prevailing wage requirement provided in the contract.

Contractor	Date
	1/6/2022

Drilling, Construction, Development, and Testing of Monitoring Wells MW-1 & MW-2 (WO 393927)

Owner		Contractor				Progress Payment # 1.00							
Elsinore Valley Municipal Water District P.O. Box 3000 Lake Elsinore, CA 92531 Contact: Phone: 951-674-3146 Fax: 951-674-7554		ABC Llovin Drilling Contract No. 1065 1180 East Burnett Street Signal Hill, CA 90755 Phone: 562-981-8575 FAX: 562-981-9594				Period Covered							
						From: November 29, 2021							
						Through: December 22, 2021							
Item No.	Bid Item Description (Abbreviated from Contract Specifications)	Quantity	Units	Unit Costs	Contract Amount	This Period Progress Payment Request		Previous Progress Payments to Date		Total Payments to Date			
						Quantity % Comp	Cost	Quantity % Comp	Cost	Quantity % Comp	Cost	Retainage	Cost - Ret.
1	Mobilization and demobilization of all equipment to project area staging location, including site preparation, drilling permits as required, encroachment and traffic control plan as necessary, noise mitigation measures as specified, cleanup, and restoration of site.	1	LS	\$35,000.00	\$35,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
2	Containment and proper disposal of all drill cuttings, liquid waste, and all other wastes as specified.	1	LS	\$35,500.00	\$35,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
3	Drill nominal 10 5/8-inch diameter mud rotary borehole, collect formation samples at 5 ft intervals.	550	FT	\$120.00	\$66,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
4	Provide geophysical borehole logs as specified.	1	Sets	\$8,500.00	\$8,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
5	Furnish and install 4 in. diameter sch 80 PVC casing and screen as single-completion monitoring well, as specified.	540	FT	\$30.00	\$16,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
6	Furnish and install filter pack and annular seals, as specified.	550	FT	\$35.00	\$19,250.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
7	Perform initial development of 4 in. sch 80 diameter monitoring well by swabbing and airlifting, as specified.	20	HR	\$550.00	\$11,000.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
8	Perform final development of 4 in. sch 80 diameter monitoring well by pumping and surging including a short aquifer test, as specified.	24	HR	\$550.00	\$13,200.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
9	Collect water quality samples from the well following development, as detailed in Table 1.	1	Sets	\$5,500.00	\$5,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
10	Final well head completion, including furnish and install protective well cover, as specified.	1	Wells	\$4,500.00	\$4,500.00	0%	\$0.00	0%	\$0.00	0%	\$0.00	\$0.00	\$0.00
11	Mobilization and demobilization of all equipment to project area staging location, including site preparation, drilling permits as required, noise mitigation measures as specified, cleanup, and restoration of site.	1	LS	\$27,500.00	\$27,500.00	75%	\$20,625.00	0%	\$0.00	0%	\$20,625.00	\$1,031.25	\$19,593.75
12	Containment and proper disposal of all drill cuttings, liquid waste, and all other wastes as specified.	1	Wells	\$23,000.00	\$23,000.00	50%	\$11,500.00	0%	\$0.00	50%	\$11,500.00	\$575.00	\$10,925.00
13	Drill nominal 10 5/8-inch diameter mud rotary borehole, collect formation samples at 5 ft intervals.	300	FT	\$155.00	\$46,500.00	100%	\$46,500.00	0%	\$0.00	100%	\$46,500.00	\$2,325.00	\$44,175.00
14	Provide geophysical borehole logs as specified.	1	Sets	\$7,500.00	\$7,500.00	100%	\$7,500.00	0%	\$0.00	100%	\$7,500.00	\$375.00	\$7,125.00
15	Furnish and install 4 in. diameter sch 80 PVC casing and screen as single-completion monitoring well, as specified.	292	FT	\$25.00	\$7,300.00	100%	\$7,250.00	0%	\$0.00	100%	\$7,250.00	\$362.50	\$6,887.50
16	Furnish and install filter pack and annular seals, as specified.	300	FT	\$35.00	\$10,500.00	100%	\$10,500.00	0%	\$0.00	100%	\$10,500.00	\$525.00	\$9,975.00
17	Perform initial development of 4 in. sch 80 diameter monitoring well by swabbing and airlifting, as specified.	20	HR	\$550.00	\$11,000.00	100%	\$0.00	0%	\$0.00	100%	\$0.00	\$0.00	\$0.00
18	Perform final development of 4 in. sch 80 diameter monitoring well by pumping and surging including a short aquifer test, as specified.	24	HR	\$550.00	\$13,200.00	100%	\$22,275.00	0%	\$0.00	100%	\$22,275.00	\$1,113.75	\$21,161.25
19	Collect water quality samples from the well following development, as detailed in Table 1.	1	Sets	\$5,500.00	\$5,500.00	100%	\$5,500.00	0%	\$0.00	100%	\$5,500.00	\$275.00	\$5,225.00
20	Final well head completion, including furnish and install monument style protective well cover completions, as specified.	1	Wells	\$2,500.00	\$2,500.00	100%	\$2,500.00	0%	\$0.00	100%	\$2,500.00	\$125.00	\$2,375.00
Total Applied					\$369,150.00		\$134,150.00		\$0.00		\$134,150.00	\$6,707.50	\$127,442.50
						Total Cost:	\$134,150.00	Total Cost:	\$0.00				
						Retainage Total:	\$6,707.50	Retainage Total:	\$0.00				
						Cost - Retainage:	\$127,442.50	Cost - Retainage:	\$0.00				

Change Order Summary				
No.	Description	Quantity	Unit	Item Total
				\$0.00
				\$0.00
	Total:			\$0.00

From: [Margie Armstrong](#)
To: [AP](#)
Subject: BCGSA Invoice - ABC Liovin
Date: Thursday, January 13, 2022 4:17:59 PM
Attachments: [BCGSA MW-2 Progress Payment # 1 December 2021 Signed Final.pdf](#)
[image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)

Hi Maria & Nicole,

See attached a BCGSA invoice for payment. I have signed and approved this payment.

Contract # is reflected on the PP.

I need to quickly review the contract to ensure that it's coded to the correct Acct #.

I'll follow with you after my review.

Thank You

Margie Armstrong

Director of Strategic Programs

Elsinore Valley Municipal Water District

951-674-3146 Ext. 8306

31315 Chaney Street, Lake Elsinore, CA 92530



From: [Margie Armstrong](#)
To: [Maria Melendez](#)
Subject: RE: BCGSA Invoice - ABC Liovin
Date: Thursday, January 13, 2022 4:28:03 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image007.png](#)

That is correct. Thank You, Maria.

Please process the invoice.

Margie

From: Maria Melendez <mmelendez@evmwd.net>
Sent: Thursday, January 13, 2022 4:27 PM
To: Margie Armstrong <margie@evmwd.net>
Subject: RE: BCGSA Invoice - ABC Liovin

Yes, Contract 1065 ABC Liovin Drilling GL Account 51-15-XX-100 16210 50001 \$369,150.00. Is this correct?

Maria Melendez

Accounting Technician III
Elsinore Valley Municipal Water District
951-674-3146 Ext. 6750
31315 Chaney Street, Lake Elsinore, CA 92530



From: Margie Armstrong <margie@evmwd.net>
Sent: Thursday, January 13, 2022 4:24 PM
To: Maria Melendez <mmelendez@evmwd.net>
Subject: RE: BCGSA Invoice - ABC Liovin

Hi Maria,

I was unable to see the account number assigned to this contract (#1065) in Infor. Is this something you can look up for me?

From: Maria Melendez <mmelendez@evmwd.net>
Sent: Thursday, January 13, 2022 4:23 PM
To: Margie Armstrong <margie@evmwd.net>
Subject: RE: BCGSA Invoice - ABC Liovin

Hi Margie,

Thanks for the update, we'll touch base next week.

Thank you,

Maria Melendez

Accounting Technician III
Elsinore Valley Municipal Water District
951-674-3146 Ext. 6750
31315 Chaney Street, Lake Elsinore, CA 92530



From: Margie Armstrong <margie@evmwd.net>
Sent: Thursday, January 13, 2022 4:18 PM
To: AP <ap@evmwd.net>
Subject: BCGSA Invoice - ABC Liovin

Hi Maria & Nicole,

See attached a BCGSA invoice for payment. I have signed and approved this payment.

Contract # is reflected on the PP.

I need to quickly review the contract to ensure that it's coded to the correct Acct #.

I'll follow with you after my review.

Thank You

Margie Armstrong

Director of Strategic Programs
Elsinore Valley Municipal Water District
951-674-3146 Ext. 8306
31315 Chaney Street, Lake Elsinore, CA 92530



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Elsinore Valley Municipal
Water District is a 2020 Top
Workplace!
2 Years Running

Outside Contracts Summary Report



Consultant Name	Start Date	End Date	Project Description	Total Contract Amount	Cost to Date	Contract Balance	Balance Remaining
Stantec	11/16/17	06/30/22	JPA Administrator	401,659.00	346,146.96	55,512.04	14%
Todd Groundwater	06/01/19	01/31/22	GSP Preparation	771,175.00	575,410.00	195,765.00	25%
GeoScience	12/01/20	03/31/22	Monitoring Well Design & CM	98,533.00	58,109.72	40,423.28	41%
ABC Liovin	11/22/21	03/22/22	Monitoring Well Construction	369,150.00	127,442.50	241,707.50	65%



BEDFORD COLDWATER
Groundwater Sustainability Authority

Date: February 17, 2022

To: Board of Directors

From: Deputy Treasurer

SUBJECT: ADOPTION OF PROPOSED FISCAL YEAR 2022-23 BUDGET

RECOMMENDATION:

1. Approve proposed BCGSA FY 2022-23 Budget

DISCUSSION:

Annually, BCGSA analyze current financial activities and project future expenditure requirements in order to develop a proposed budget for the following year. The total proposed budget for FY 2022-23 is \$584,918 with \$48,918 in administration costs for the Authority and \$536,000 in Groundwater Sustainability Plan (GSP) implementation costs.

All expenditures in the proposed FY 2022-23 Budget, net of grant reimbursements, are recoverable by member-agency contributions. The member contribution carryover for FY 2022-23 budget is estimated at \$275,000 by fiscal year end. There is no proposed member contribution for FY 2022-23 for each of the member agencies, as grant reimbursements in the amount \$570,000 for expenses incurred in FY 2021-22 is anticipated to be received in FY 2022-23.

As per the reserve policy adopted by the Board on May 16, 2019, the Operating and Non-Operating Reserves have both been set at 25% of the proposed budgets. The reserve requirements for FY 2022-23 have been incorporated in the proposed budget.

FISCAL IMPACT:

Established in the attached proposed Budget.

ENVIRONMENTAL WORK STATUS:

Not Applicable

EXHIBITS/ATTACHMENTS:

Proposed FY 2022-23 Budget

Proposed FY 2022-23 Member Contribution

Bedford-Coldwater Groundwater Sustainability Agency
Proposed Budget - FY 2022-23

	Proposed	Projected				5 Yr Total
	2022-23	2023-24	2024-25	2025-26	2026-27	
<u>JPA Administration</u>						
GSP Administrator	\$20,000	\$20,400	\$20,900	\$21,400	\$21,900	\$ 104,600
JPA Oversight/Management	12,000	12,000	12,000	12,000	12,000	60,000
Website Domain & Software	2,000	2,000	2,000	2,000	2,000	10,000
Website Content Design and Maintenance	1,000	1,000	1,000	1,000	1,000	5,000
Legal Expenses	5,000	5,100	5,200	5,300	5,400	26,000
Auditing Services	1,545	6,815	1,605	1,605	1,700	13,270
Insurance	2,300	2,400	2,500	2,600	2,700	12,500
Bank Fees	1,500	1,500	1,500	1,500	1,500	7,500
Dues/Memberships	3,575	3,700	3,800	3,900	4,000	18,975
Total JPA Administration Costs	48,920	54,915	50,505	51,305	52,200	\$ 257,845
<u>GSP Implementation Costs</u>						
Management Actions	101,000	101,000	101,000	101,000	101,000	505,000
5 Year GSP Update			175,000	175,000		350,000
Projects	435,000	402,000	75,000	25,000	25,000	962,000
Total GSP Implementation Costs	536,000	503,000	351,000	301,000	126,000	\$ 1,817,000
<u>Reserve Requirement</u>						
Operating Reserve (25%)		1,499		200	224	1,922
Total Budget	\$ 584,920	\$ 559,414	\$ 401,505	\$ 352,505	\$ 134,674	\$ 2,033,018

**Bedford-Coldwater Groundwater Sustainability Agency
Proposed Budget - GSP Implementation Costs**

	Proposed	Projected			
	2022-23	2023-24	2024-25	2025-26	2026-27
<u>Management Actions:</u>					
# 1 Annual Report	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
# 2 Record Groundwater Levels	9,000	9,000	9,000	9,000	9,000
# 3 Monitor Groundwater Quality Constituents	26,000	26,000	26,000	26,000	26,000
# 4 Track Trends in Groundwater Levels near Temescal Wash	2,000	2,000	2,000	2,000	2,000
# 5 Review inSAR data	4,000	4,000	4,000	4,000	4,000
Total Management Actions	\$ 101,000	\$ 101,000	\$ 101,000	\$ 101,000	\$ 101,000
<u>5-Year GSP Update</u>			\$ 175,000	\$ 175,000	
<u>Projects:</u>					
# 1 Investigate Groundwater/Surface Water Interaction	\$ 325,000	\$ 252,000	\$ 25,000	\$ 25,000	\$ 25,000
# 2 Initiate a Survey of Private Wells	60,000				
# 3 Evaluate Effects of Aggregate Pits	50,000	150,000	50,000		
Total Projects	\$ 435,000	\$ 402,000	\$ 75,000	\$ 25,000	\$ 25,000
Total GSP Implementation Costs	<u>\$ 536,000</u>	<u>\$ 503,000</u>	<u>\$ 351,000</u>	<u>\$ 301,000</u>	<u>\$ 126,000</u>

Bedford-Coldwater Groundwater Sustainability Agency
Proposed Member Contribution

	Proposed	Projected				5 Yr Total
	2022-23	2023-24	2024-25	2025-26	2026-27	
Revenue						
Grant Reimbursement	\$570,000	\$0	\$0	\$0	\$0	\$ 570,000
Member Contribution Carryover	275,000	325,225				600,225
Interest Income	5,000	5,000	5,000	5,000	5,000	25,000
Operating Reserves	18,770		1,103			19,872
Non-Operating Reserves	41,375	8,250	38,000	12,500	43,750	143,875
Total Revenue	\$910,145	\$338,475	\$44,103	\$17,500	\$48,750	\$1,358,972
Total Budget	\$584,920	\$559,414	\$401,505	\$352,505	\$134,674	\$2,033,018
Total Member Contribution	-\$325,225	\$220,939	\$357,403	\$335,005	\$85,924	\$674,045
Member Contribution per Agency	\$0	\$73,646	\$119,134	\$111,668	\$28,641	\$333,090



BEDFORD COLDWATER
Groundwater Sustainability Authority

Date: February 17, 2022

To: Board of Directors

From: Deputy Treasurer

SUBJECT: CONSIDER APPROVAL OF AMENDMENT NO. 4 FOR PROFESSIONAL SERVICES AGREEMENT WITH GEOSCIENCE SUPPORT SERVICES, INC.

RECOMMENDATION:

1. Approve Amendment No. 4 for Professional Services Agreement (PSA) with Geoscience Support Services, Inc. (Geoscience) in the amount of \$15,146; and,
2. Authorize the Deputy Treasurer to execute the appropriate documents on behalf of Bedford Coldwater Groundwater Sustainability Authority.

DISCUSSION:

The approved grant work plan calls for the construction of two new monitoring wells in the Bedford Coldwater basin. Geoscience, in collaboration with Helix Environmental Planning was selected to provide CEQA permitting, develop technical specifications, and provide construction management services for the wells. One well (MW-2) has been completed and a second well is in progress.

Prior to and during construction of the monitoring well MW-2, Geoscience and Helix experienced increased scope of work and costs related to the following:

1. Tribal consultation, development of a Cultural Resources Monitoring Plan (CRMP), and on-site cultural resources monitoring
2. Construction management and inspection related to:
 - a. Delays in construction and additional meetings and contractor coordination
 - b. Increased drilling construction time related to difficult drilling conditions

Tribal Consultation. In July 2021, the Pechanga, Soboba and Rincon Bands of Luiseño Indians were notified of proposed monitoring well construction but did not respond. As the

construction schedule approached, the tribes were contacted again in November 2021. Thereafter, in a meeting with the tribes, they requested the development of a Cultural Resources Monitoring Plan (CRMP) and on-site archaeological monitoring by tribal representatives and professional archaeologists from Helix. The CRMP was completed and transmitted to the tribes on November 22, and the cost for the on-site monitoring is provided for in this amendment.

Construction Management & Inspection. Additional construction management services are related to increased field time and coordination with the drilling contractor due to delays in construction change in drilling method, and additional meetings and coordination. Additionally, the change in drilling method and difficult drilling conditions due to dense consolidated strata at depth resulted in increased inspection time.

Staff has reviewed the Geoscience proposed scope of service and costs and recommends approval of Amendment No. 4 to the PSA with Geoscience in the amount of \$15,146. The Amendment also includes a term extension to April 30, 2022.

FISCAL IMPACT:

This item is grant reimbursable and is provided for in the grant budget.

ENVIRONMENTAL WORK STATUS:

Not applicable

EXHIBITS/ATTACHMENTS:

Geoscience PSA Amendment No. 4

**AMENDMENT NO. 4 TO THE PROFESSIONAL SERVICES AGREEMENT FOR
MONITORING WELL DESIGN AND CONSTRUCTION MANAGEMENT CONSULTING
SERVICES**

PARTIES AND DATE

This Amendment No. 4 (“Amendment”) to the Professional Services Agreement for Monitoring Well Design and Construction Management Services by Geoscience Support Services, Inc. is made and entered into as of this 17th day of February 2022 by and between the Bedford Coldwater Groundwater Sustainability Authority, a Joint Powers Authority with its principal office at 31315 Chaney St., Lake Elsinore, CA 92531 (“Authority”) and Geoscience Support Services, Inc., an independent contractor to the JPA with its principal place of business at 620 Arrow Highway, Suite 2000, La Verne, CA 91750 (“Consultant”) for Monitoring Well Design and Construction Management Services (“Project”). The Authority and Consultant are sometimes individually referred to as “Party” and collectively as “Parties” in this Agreement.

RECITALS

The Parties have entered into a Professional Service Agreement (“PSA”) on November 19, 2020 for the purpose of providing Monitoring Well Design and Construction Management Services.

The Parties have entered into Amendment No. 1 to the PSA on May 20, 2021 to include the installation of four transducers.

The Parties have entered into Amendment No. 2 to the PSA on August 19, 2021 to add to the scope of service, increase the compensation amount, and term extension.

The Parties have entered into Amendment No. 3 to the PSA on October 18, 2021 to add to the scope of service, increase the compensation amount, and term extension.

The Parties now desire to amend the PSA in order to add to the scope of work, increase the compensation, and extend the term.

NOW, THEREFORE, in consideration of the above recitals and the mutual covenants, conditions, and promises contained in the PSA, the Parties mutually agree as follows:

AMENDMENT TERMS

1. The term of the Master Agreement shall be extended through April 30, 2022, unless earlier terminated as provided in the Master Agreement.

2. The scope of services outlined in section 3.1.1 of the PSA are hereby amended to include the additional services set forth in Attachment 1, attached hereto and incorporated herein.

3. The total compensation in section 3.2.1 of \$98,533 (ninety-eight thousand five hundred thirty-three dollars) shall be amended by \$15,146 (fifteen thousand six hundred thirty-seven dollars). The amended total compensation shall not exceed \$113,679.00 (one hundred thirteen thousand six hundred seventy-nine dollars) without written approval of the Authority, as previously stated in the PSA.

4. Except as amended by this Amendment, all other terms, conditions, and provisions of the Professional Services Agreement, including without limitation the indemnity and insurance provisions, shall remain in full force and effect and shall govern the actions of the parties under this Amendment.

5. This Amendment may be signed in counterparts, each of which shall constitute an original.

6. The term of this Amendment shall commence on the date this Amendment is executed by all Parties hereto ("Effective Date").

7. The Parties hereto hereby agree that electronic signatures are acceptable and shall have the same force and effect as original wet signatures.

SIGNATURES ON THE FOLLOWING PAGE

**SIGNATURE PAGE 1 OF 1 TO AMENDMENT NO. 4 TO THE
PROFESSIONAL SERVICES AGREEMENT FOR
MONITORING WELL DESIGN AND CONSTRUCTION MANAGEMENT CONSULTING
SERVICES**

IN WITNESS WHEREOF, the Parties have executed this Amendment as of the dates set below their signatures.

BEDFORD COLDWATER GROUNDWATER SUSTAINABILITY AUTHORITY:

By: _____
Margie Armstrong, Deputy Treasurer

Dated: _____

Approved as to form:



Steven O'Neill, General Counsel

GEOSCIENCE SUPPORT SERVICES, INC.:

By: _____
Mark Williams, Vice President

Dated: 01/20/2022

GEOSCIENCE

The First Name in Groundwater

January 11, 2022

Margie Armstrong
Director of Strategic Programs
Elsinore Valley Municipal Water District
31315 Chaney Street
Lake Elsinore, CA 92530

Re: Budget Amendment Request No. 4 for Professional Hydrogeological Services Related to Drilling and Construction of Two New Monitoring Wells for the Bedford-Coldwater Groundwater Sustainability Authority

Dear Margie:

The following letter and attached Table contain our scope of work and cost estimate for Budget Amendment Number 4 to provide professional hydrogeological services related to the drilling and construction of two (2) new monitoring wells for the Bedford-Coldwater Groundwater Sustainability Authority (BCGSA). The scope detailed below pertains specifically to additional effort associated with the revised drilling method utilized from drilling and construction of MW-2, and the additional efforts on the part of our sub-consultant, Helix Environmental Planning (Helix), for environmental monitoring and compliance. Our proposed scope includes the following:

2.1 Prepare all Necessary CEQA Documents for the Revised MW-1 Drilling Location, Including Addition of On-Site Tribal Monitoring

Geoscience has teamed with Helix to perform all environmental permitting for the project. As this Work developed, it became apparent that additional cultural resource consulting services would be necessary, including meeting with the Consulting Tribes, development of a Cultural Resources Management Plan, and cultural resources monitoring of drilling of the two monitoring wells per the request of the Consulting Tribes. Helix's complete scope of work and cost proposal are attached to this budget amendment.

4.1 Provide Construction Management

Based on the revised drilling location, delays in construction, and alternative drilling method, additional construction management services have been required. These additional services include, but are not limited to, maintaining updated project schedules, bid review and review of staff report for contractor recommendation, additional contractor submittal review for second drilling rig and associated equipment,

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t. 909.451.6650
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www.gssiwater.com

additional contractor coordination, coordination with tribal inspectors, additional meetings with team and tribal representatives, additional team meetings, and day-to-day correspondence with the BCGSA team and contractor during the execution of the work.

4.3 Inspection of Borehole Drilling (MW-2)

Due to the change in drilling method (i.e., from direct mud rotary to sonic drilling), additional field inspection time was required. Two factors contributed to this. 1) unforeseen difficulty during drilling that results in unusually slow drilling rates, and 2) in general, sonic drilling, especially below depths of 100 ft, is a slower process than the anticipated mud rotatory drilling method. To complete this work, a total of three (3) addition field days, beyond the previously approved scope, were required.

4.5 Inspect installation of Casing, Screen, Filter Pack, and Annular Seal (MW-2)

The initial attempt by the Contractor to install the well casing and filter pack at the MW-2 location was unsuccessful, resulting in time lost to install the well casing and screen, begin installing filter pack, then removing all materials from the borehole, cleaning out the borehole, and starting again. This problem was identified in the field by the Geoscience field inspector, in communication with the senior geohydrologist, when it was observed that the construction process was taking appreciably less filter pack material than the design called for. This resulted in 8 hours of lost field inspector time.

Our cost estimate for this additional work is \$15,146 as detailed in the attached Table 1 and sub-consultant supporting document. Thank you for the opportunity to submit this revised scope. Should you have any questions, please do not hesitate to call me at (909) 297-6336.



Sincerely,

Terry Watkins, PG, CHG
Senior Geohydrologist

Budget Amendment Request No. 4 to Provide Geohydrologic Consulting Services Related to the Design and Installation of Two (2) Monitoring Wells for the Bedford-Coldwater Sustainability Authority

Task Description		GEOSCIENCE SUPPORT SERVICES, INC.							Labor	Reimbursable Expenses ¹	Total Cost
		Principal Hydrologist	Senior Geohydrologist	Project Geohydrologist	Staff Geohydrologist	Technical Illustrator	Clerical				
<i>Hourly Rate:</i>		\$263	\$226	\$201	\$146	\$146	\$103				
2.0 PREPARE CEQA DOCUMENTS, PERMITS, AND ACCESS AGREEMENTS											
2.1	Prepare and File all CEQA documents, including Notice of Exemption for 3rd location		4					\$ 904	\$ 4,696	\$ 5,600	
<i>Subtotal</i>								\$ 904	\$ 4,696	\$ 5,600	
4.0 CONSTRUCTION MANAGEMENT, INSPECTION, AND FINAL DESIGN^{2,3}											
4.1	Provide Construction Management (includes contractor submittal review, response to RFIs, construction updates, invoice review, change order review, and preparation of a final "punch list")		16					\$ 3,616	\$ -	\$ 3,616	
4.3	Inspect Borehole Drilling and Sampling of Cuttings for MW-2 Based on Alternative Drilling Method		2		24			\$ 3,956	\$ 435	\$ 4,391	
4.5	Inspect Installation of Casing, Screen, Filter Pack, and Annular Seal (additional effort for MW-2)		1		8			\$ 1,394	\$ 145	\$ 1,539	
<i>Subtotal</i>								\$ 8,966	\$ 580	\$ 9,546	
TOTAL HOURS AND COST :		0	23	0	32	0	0	\$ 9,870	\$ 5,276	\$ 15,146	

Notes:

- ¹ Reimbursable expenses include mileage, field per diem at \$145/day, sub-consultant fees including 10% administrative fee, equipment fees including tax and 10% mark-up, and report reproduction costs.
- ² All well construction supervision costs assume two (2) monitoring wells at separate locations with borehole depths of 700 and 320 ft below ground surface, or less. Additional inspection beyond that outlined in this cost proposal can be provided, as necessary, on a time and materials basis.
- ³ Laboratory costs for ground water quality analyses are not included. It should be noted that additional costs, which cannot be foreseen at this time, are sometimes incurred due to equipment breakdowns on the part of the drilling contractor, and/or problems in material procurement or construction. Additional inspection hours for such field-related problems are not included in the above costs.

GEOSCIENCE is aware of the requirements of California Labor Code Sections 1720 et seq. and 1770 et seq., which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. The work GEOSCIENCE performs does not fall under prevailing wage rate categories.



BEDFORD COLDWATER
Groundwater Sustainability Authority

Date: February 17, 2022

To: Board of Directors

From: Deputy Treasurer

SUBJECT: CONSIDER APPROVAL OF AMENDMENT NO. 4 TO THE PROFESSIONAL SERVICES AGREEMENT WITH TODD GROUNDWATER TO COMPLETE FOUR (4) ANNUAL GROUNDWATER SUSTAINABILITY PLAN REPORTS

RECOMMENDATION:

1. Approve Amendment 4 to the Professional Services Agreement (PSA) with Todd Groundwater to complete four (4) annual Groundwater Sustainability Plan reports; and,
2. Authorize the Deputy Treasurer to execute the appropriate documents on behalf of Bedford Coldwater Groundwater Sustainability Authority.

DISCUSSION:

The Groundwater Sustainability Plan (GSP) adopted by the Board in the November 2021 public meeting was submitted to the Department of Water Resources (DWR) on January 12, 2021 via the SGMA web portal. This completes a major milestone deliverable to the DWR, which was due no later than January 31, 2022.

The next steps required by the Sustainable Groundwater Management Act (SGMA) process involve implementation of the management actions and projects described in the GSP, and submittal of annual reports to the DWR on April 1st of each year. The annual reports describe conditions of the previous water year (October through September) and include required elements such as groundwater elevation and extraction data, water supplies, total water use, change in groundwater storage, and progress in implementing the GSP. The first annual report is due on April 1, 2022. This first annual report requires significantly more analysis and data reporting than the subsequent annual reports because it covers not only the previous year, but the time period since the end of the GSP study period of water year 2018.

Todd Groundwater (Todd) completed the GSP with a budget surplus of approximately of \$190,000. Todd submitted a proposal to complete the first annual report in the amount of \$75,255. Staff has authorized Todd to complete the first annual report under the existing authorized GSP budget.

Staff has also requested a proposal from Todd to complete four (4) additional annual reports due on April 1st of 2023 through 2026. Todd submitted a proposal for four additional annual reports at a cost of \$41,880 per year, for a total of \$167,520. This would complete required submittals to the DWR until January 2027, when a relatively substantial GSP review and update is required. This substantial five-year update to the GSP is not a part of Todd's proposal.

Staff has reviewed Todd's proposed scope of service and costs and recommends approval of Todd's proposal in the amount of \$167,520. As there are surplus funds remaining in the existing PSA, an amendment of \$56,000 is required to cover the proposed addition to the scope of work.

FISCAL IMPACT:

This item was included in the 5-year fiscal year budget projections.

ENVIRONMENTAL WORK STATUS:

Not Applicable

EXHIBITS/ATTACHMENTS:

Professional Services Agreement Amendment # 4

**AMENDMENT NO. 4 TO THE PROFESSIONAL SERVICES AGREEMENT FOR THE
DEVELOPMENT OF A GROUNDWATER SUSTAINABILITY PLAN (GSP) FOR THE
BEDFORD COLDWATER GROUNDWATER SUSTAINABILITY AUTHORITY**

PARTIES AND DATE

This Amendment No. 4 to the Professional Service Agreement for the Development of a Groundwater Sustainability Plan (GSP) for the Bedford Coldwater Groundwater Sustainability Authority is made and entered into as of this 17th day of February 2022 by and between the Bedford Coldwater Groundwater Sustainability Authority, a Joint Powers Authority with its principal office at 31315 Chaney St., Lake Elsinore, CA 92531 ("JPA") and David Keith Todd, Consulting Engineers, Inc., a corporation with its principal place of business at 2490 Mariner Square Loop, Suite 215, Alameda, CA 94501 ("Consultant") for Development of a Groundwater Sustainability Plan ("Project"). JPA and Consultant are sometimes individually referred to as "Party" and collectively as "Parties" in this Agreement.

RECITALS

The JPA and the Consultant have entered into an agreement dated July 10, 2019 for the purpose of Developing a Groundwater Sustainability Plan for the Bedford Coldwater Groundwater Sustainability Authority (the "Master Agreement").

The Parties have entered into Amendment # 1 to the Master Agreement on September 8, 2020, which extended the term to September 30, 2021.

The Parties have entered into Amendment # 2 to the Master Agreement on July 29, 2021, which extended the term to January 31, 2022.

The Parties have entered into Amendment # 3 to the Master Agreement on January 14, 2022, which added to the scope of services and extended the term to June 30, 2022.

The Parties now desire to amend the Professional Services Agreement to add the scope of work and extend the terms of service of the Professional Services Agreement.

NOW, THEREFORE, in consideration of the above recitals and the mutual covenants, conditions, and promises contained in the Master Agreement, the Parties mutually agree as follows:

AMENDMENT TERMS

1. The term of the Master Agreement shall be extended through June 30, 2026 unless earlier terminated as provided in the Master Agreement.

2. The scope of services outlined in section 3.1.1 of the PSA are hereby amended to include the additional services set forth in Attachment 1, attached hereto and incorporated herein.

3. The total compensation in section 3.2.1 of \$771,175.00 (seven hundred seventy-one thousand one hundred seventy-five dollars and zero cents) shall be amended by \$56,000.00 (fifty-six thousand dollars and zero cents). Work shall be performed at the rates set forth in Attachment 1. The amended total compensation shall not exceed \$827,175.00 (eight hundred twenty-seven thousand one hundred seventy-five dollars and zero cents) without written approval of the Authority, as previously stated in the Master Agreement.

4. Except as amended by this Amendment all other terms, conditions, and provisions of the Master Agreement, including without limitation the indemnity and insurance provisions, shall remain in full force and effect and shall govern the actions of the parties under this Amendment.

5. This Amendment may be signed in counterparts, each of which shall constitute an original.

6. The term of this Amendment shall commence on the date this Amendment is executed by all Parties hereto ("Effective Date").

7. The Parties hereto hereby agree that electronic signatures are acceptable and shall have the same force and effect as original wet signatures.

SIGNATURES ON THE FOLLOWING PAGE

**SIGNATURE PAGE 1 OF 1 TO AMENDMENT NO. 4 TO THE
PROFESSIONAL SERVICES AGREEMENT FOR
GROUNDWATER SUSTAINABILITY PLAN DEVELOPMENT**

BEDFORD COLDWATER GROUNDWATER SUSTAINABILITY AUTHORITY:

By: _____
Margie Armstrong, Deputy Treasurer

Dated: _____

Approved as to form:



Steven O'Neill, General Counsel

DAVID KEITH TODD CONSULTING, INC.

By: _____


(Authorized Representative of Vendor)

Printed Name: Iris Priestaf

Title: President

Dated: January 20, 2022



January 11, 2022

MEMORANDUM PROPOSAL

To: Victor Harris, HH Water Resources
From: Chad Taylor, PG, CHG and Maureen Reilly, PE
Re: Proposal for Professional Services for Preparation of Four Groundwater Sustainability Plan Annual Reports for the Bedford-Coldwater Basin

At the request of the Bedford-Coldwater Groundwater Sustainability Agency (BCGSA), Todd Groundwater is pleased to provide this proposal to prepare Annual Reports for the Bedford-Coldwater Basin Groundwater Sustainability Plan (GSP) for four years, starting with the Water Year 2022 Annual Report. The Water Year 2021 Annual Report is being handled under a separate contract.

The Bedford-Coldwater Basin (Basin) is required to submit their adopted GSP to the Department of Water Resources (DWR) by January 31, 2022. Annual Reports are due to DWR “by April 1 of each year following the adoption of the Plan” (§356.2). Accordingly, annual reports will be due to DWR by April 1st every year starting in 2022.

The reporting period for GSP Annual Reports is the preceding water year. For example the Annual Report for Water Year (WY) 2021 will cover October 2020 through September 2021. Annual reports for WYs 2022 through 2025 will be due in April of the following year (2023 through 2026, respectively).

Although Annual Reports are designed to describe conditions primarily from the preceding water year, the first Annual Report (under a separate contract) will require more than a years’ worth of water budget analyses to “bridge” the time period between the end of the GSP Study Period (WY 2018) and the Annual Report period (WY 2021). The subsequent Annual Reports for WYs 2022 through 2025 included in this proposal will require less effort than the first Annual Report as they will be based on data and information from only one WY. While the scope of work for the subsequent Annual Reports will be the same as that for the first Annual Report, the level of effort and associated costs will be reduced.

APPROACH

The Annual Reports builds on the data and monitoring network that have been developed for the GSP that Todd Groundwater prepared in coordination with the GSA manager and GSA agencies. We envision working cooperatively with the GSA manager and GSA agencies

to compile and incorporate information required for completion of the Annual Reports. These data will be added to the existing data management system (DMS) prior to use. We expect the work for each Annual Report will begin as soon as the WY ends, allowing sufficient time for data preparation and reporting.

Preparation of the Annual Reports will follow regulatory guidance as provided in Article 7 of the GSP regulations (§ 356). Reporting standards for Annual Report data are provided in Article 3 (§352.4) and reporting provisions can be found in Article 4 (§353.4). GSP Regulations (§ 356.2) have detailed requirements for annual report contents, as summarized below:

- **General information**, executive summary and location map
- **Groundwater elevation** data including contour maps for seasonal high and low, hydrographs of groundwater elevations and water year type
- **Groundwater extraction** for the preceding water year in a table by water use sector, identifying method and accuracy of measurements, and a map that illustrates general location and volume of groundwater extractions
- **Surface water supply** used or available for groundwater recharge or in-lieu use, with annual volume and sources for the preceding water year.
- **Total water use** reported in a table by water use sector and water source type, identifying the method and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plan (UWMP) may be used, reported by water year.
- **Change in groundwater in storage** shall including change in storage maps, graph with water year type, groundwater use, annual change in groundwater in storage, and the cumulative change in groundwater in storage
- **Progress implementing the GSP**, including achieving interim milestones and implementation of projects or management actions since previous annual report.

The Annual Reports are expected to follow the outline below, which will be further developed and refined during preparation of the first Annual Report:

- Executive Summary
- 1. Introduction
 - 1.1. Plan Area
- 2. Groundwater Conditions
 - 2.1. Groundwater Level Monitoring Network
 - 2.2. Groundwater Contour Maps
 - 2.3. Groundwater Hydrographs
- 3. Groundwater Extraction
- 4. Water Supplies
 - 4.1. Imported Water
 - 4.2. Recycled Water
- 5. Water Use
 - 5.1. Water Supply and Use
 - 5.2. Total Water use

6. Change in Groundwater in Storage
7. Basin Management Progress
 - 7.1. Basin Sustainability Status (relative to criteria)
 - 7.2. Update on Water Quality and Subsidence
 - 7.3. Update on GSP Projects and Management Actions (including monitoring programs)
8. Recommendations
 - 8.1. Technical Recommendations
 - 8.2. Groundwater Production and Replenishment
9. References

Annual Report regulations require that water budget analyses (i.e., change in groundwater in storage) use “historical data to the greatest extent available, including from January 1, 2015 to the current reporting year” (§356.2 (b)(1)(B) and §356.2 (b)(5)(B)). Analyses conducted for the GSP Study Period, from WY 1990 to WY 2018, can be used to satisfy the requirement of “historical data to the greatest extent available”, and updated water budget analysis will be included in each Annual Report.

To accomplish these tasks, our team recommends that the Basin groundwater model developed for the GSP be updated and applied for analyses required in the first Annual Report. The model is the best tool that the Basin has for estimating water budgets and the most reliable method for determining subsurface flows and stream-aquifer interaction. Therefore, we recommend using the updated model to update water budgets. For the WY 2021 Annual Report, this will include updating the model from the end of the GSP Study Period (WY 2018) through the end of WY 2021 and estimate changes in storage during this time. The WY 2022 and WY 2023 Annual Reports will also include model updates, but these will only require adding one year of data to the model. This approach provides consistency between the water budgets presented in the GSP and those that will be included in the Annual Reports. Annual model updates also help identify problems with data collection (e.g. missing or inaccurate records) and gives the GSA a tool for assessing groundwater management that is never more than a year out of date.

As indicated, the Annual Reports are strongly oriented to groundwater quantity (levels, storage, extraction, water supply and use), but include a status report on sustainability criteria (i.e., water quality, subsidence, groundwater dependent ecosystems (GDEs)).

Additional data, including groundwater extraction, surface water supplies, and total water use, are required for the preceding water year. To ensure statewide consistency, DWR has provided templates for GSAs to report their basin-wide groundwater extraction, surface water supplies, and total water use, including methods of measurement, levels of accuracy, and water source type and sector of use for many of these data sets. These templates will be provided electronically in Excel format to the GSA during Annual Report development.

Todd Groundwater has prepared GSP annual reports for several critically overdrafted subbasins and will bring this experience along with our experience in the Basin to this process. Our experience indicates that investment in routine model updates through the

Annual Reporting process will allow the BCGSA to report consistent information to DWR and stakeholders and more efficiently prepare required Five-Year GSP assessments, the first of which will be due in 2027.

The following scope and budget pertain to the Annual Reports for WYs 2022 through 2025. The scope and budget for future Annual Reports may differ.

SCOPE OF WORK

The scope of work presented below will be completed for each annual report for WYs 2022 through 2025. This scope of work is not expected to vary from year to year.

Preparation of all four BCGSA Annual Reports included in this proposal will involve close coordination with the BCGSA manager and agency staff for collection of required data (Task 1). Todd Groundwater will take primary responsibility for compilation, checking, and analysis of information (Tasks 2 through 6) and for Task 7 preparation of draft reports, with BCGSA manager and agency staff contributing review and commentary. Task 8 provides additional coordination and project management.

Task 1. Compile and Review Data

Specific data to be for the Annual Reports are listed below along with the responsibility for data collection. The collection of these data may involve compilation from field records, download from online sources, and/or data requested from other agencies. Todd Groundwater will provide a detailed data request to the BCGSA with a schedule for data collection and compilation to meet the Annual Report deadline. The request will include data collected directly by BCGSA and data from local agencies and users (e.g. Eastern

Municipal Water District, mining companies, Glen Ivy, etc.). Todd Groundwater will collect data from state and federal agencies. Basic data review is included.

Data Type	Data Collection Responsibility	
	Todd Groundwater	BCGSA
Climate- rainfall, ET	√	
Groundwater levels		√
Groundwater extraction – municipal*		√
Measurements for other pumping		√
Land use – agriculture, riparian, wetlands	√	
Water systems – type, connections, rural residence counts	√	√
USGS streamflow	√	
BCGSA miscellaneous streamflow measurements		√
Reservoir/up gradient releases, percolation volumes		√
Imported water deliveries, recharge		√
Wastewater flow, percolation, water recycling		√
BCGSA Water Quality Monitoring Program data		√
InSAR and UNAVCO subsidence information	√	
Optional financial data		√
Regional Water Quality – Division Drinking Water, Regulated Facilities, Irrigated Lands, etc.	√	

The BCGSA manager and agency staff also will provide information on other water management projects relevant to conjunctive use, including description of facilities improvements and maintenance.

Todd Groundwater will compile all information to support subsequent tasks that document groundwater levels, groundwater extraction, surface water supplies, total water use, change in groundwater in storage, and progress toward GSP implementation.

Data for each water year will be reviewed and presented with reference to the complete study period to reveal long-term trends and variability. Data will be organized by water year and by Management Area and compiled into the existing BCGSA Data Management System (DMS).

Deliverables:

- None, the work in this task supports development of chapters of each Annual Report

Task 2. Prepare Groundwater Elevation Maps and Hydrographs

This task provides documentation of groundwater elevation data in maps and hydrographs. For maps, data (already compiled into GIS-linked databases) will be contoured initially using

the numerical model or software tools and may be iteratively hand-modified for more accurate representations of groundwater elevations across the Basin. Up to two maps may be prepared—one for the spring seasonal high and another for the autumn low. The spring map is the only one required by GSP regulations, but an autumn map may be prepared if there are sufficient water level data. There is only one Principal Aquifer, so only one set of maps are required. The maps will be reviewed in terms of remaining data gaps and improving the monitoring network (See Task 6).

The GSP Regulations require preparation of groundwater level hydrographs using historical data to the greatest extent available, including from January 1, 2015 to the current reporting year. Hydrographs will be consistent with the *Data and Reporting Standards* as prescribed in §352.4(e) of the GSP regulations. In brief, each hydrograph should include a unique site identification number, ground surface elevation, and use the same scale to the greatest extent practical.

The GSP presents multiple groundwater level hydrographs for the historical study period of 1990 through 2018. For the Annual Report, hydrographs will be provided for the historical study period extending through the end of each water year. Hydrographs will be provided in two sets: Key Wells for groundwater levels and Key Wells for interconnected surface water. Each will show the respective Minimum Threshold (MT) and indicate the operating range (for the MO). Comparison of groundwater levels with MTs will occur in Task 6.

Hydrographs for additional wells also may be shown. For example, it is recognized that new dedicated monitoring wells will have limited but lengthening historical records and at some point, these may be shown relative to the records of Key Wells or for other analytical purposes. Hydrographs will be presented in an appendix.

Deliverables:

- None, the work in this task supports development of chapters of each Annual Report

Task 3. Analyze Groundwater Extraction

This task summarizes the volume of groundwater extraction during the water year. Groundwater is extracted for various purposes categorized by DWR as including agricultural, urban, industrial, riparian and wetland, and other (e.g., rural, community water system). Extraction amounts will be summarized by water use sector with brief explanation of the measurement method and accuracy; DWR provides a table template to enter the data. Extraction volumes will be categorized according to Management Area and generally depicted on a map.

Deliverables:

- None, the work in this task supports development of chapters of each Annual Report

Task 4. Present Water Supply and Use Data

This task summarizes water supply and use data for the water year. Sources of water supply include imported water, local groundwater, and recycled water. The water supply and water use will be presented as the volume used in the water year in the respective DWR-formatted tables. Volumes will be presented for each Management Area and for the whole basin.

Deliverables:

- None, the work in this task supports development of chapters of each Annual Report

Task 5. Analyze Change in Groundwater in Storage

Change in groundwater in storage over the past water year will be analyzed using the numerical model. This will involve updating the numerical model with information for the water year including estimates of all surface and groundwater inflow and outflow volumes. Model re-calibration will not be included. Cumulative change in groundwater in storage will be presented for 1990 to the end of the relevant water year and will include the DWR-required annual change from 2015 onward.

Deliverables:

- None, the work in this task supports development of chapters of each Annual Report

Task 6. Document Progress in GSP Implementation

GSP progress will be reviewed and documented through:

- Comparison of annual groundwater conditions (e.g., groundwater levels) with sustainability criteria (minimum thresholds)
- Review of available water quality and subsidence data for early detection of any possible undesirable results
- Description of progress with projects and management actions.

It should be noted that sustainability criteria and projects/actions will be linked in a matrix in the GSP section on Management Actions and Projects.

First, documentation will include a summary of the status of the sustainability criteria for levels, storage, subsidence, and interconnected surface water. These criteria will be addressed individually with reference back to groundwater level hydrographs as appropriate (e.g., for groundwater levels and interconnected surface water).

Second, water quality (TDS and nitrate) trends will be reviewed for wells in the BCGSA Water Quality Monitoring Program, which allows for early detection of potential

undesirable results. However, it is recognized that the water quality Minimum Threshold is based on periodic updates, which are to be compiled every five years from data collected from the State Division of Drinking Water, Regulated Facilities, and other sources. These involve data collection and analysis on a longer term than that in the Annual Report. Water quality data will be downloaded and screened as part of the Annual Report. However, detailed analysis and comparison of average concentrations in the Basin to Minimum Thresholds is not included in the Annual Reports; it will be performed as part of the Five-year GSP Update.

Similarly, information on potential subsidence (i.e. InSAR maps) will be downloaded and reviewed for the Annual Reports, but analysis relative to the Minimum Threshold will occur as part of the Five-year GSP Update.

Lastly, documentation of GSP progress also will address progress on implementing the projects and management actions identified in the GSP.

Deliverables:

- None, the work in this task supports development of chapters of each Annual Report

Task 7. Prepare Annual Report and Presentations

In this task Todd Groundwater will prepare the draft and final reports. This specifically includes the following:

- **Draft Annual Report.** An electronic version of each Draft Annual Report will be prepared and submitted to the BCGSA manager and agencies for review and comments. Copies of the report text will be provided in Microsoft Word™ format and the entire report with tables, figures, and appendices will be provided in Adobe Acrobat™ format.
- **Final Annual Report.** Todd Groundwater will revise the draft Annual Report to reflect BCGSA comments and will submit a final report. The final report will be submitted to the BCGSA and DWR in electronic format
- **Submittal to DWR via the SGMA Web Portal.** Todd Groundwater will assist the BCGSA manager in submitting the Annual Report and associated data to DWR through the SGMA web portal, including helping with identifying which files need to be uploaded and how to complete the submittal tasks.

Deliverables:

- Draft and Final Annual Reports in electronic format
- Presentation of the Draft Annual Report to the BCGSA agencies

Task 8. Project Management and Coordination

The primary objectives of this task are to provide close coordination between Todd Groundwater, the BCGSA manager, and the BCGSA agencies. A Teams meeting will be scheduled at the beginning of data collection for the Annual Report to discuss technical issues and ensure timely progress of the project. Following this initial meeting, regular monthly conference calls via Teams will be held to track progress and discuss any issues related to the report.

Meetings:

- Monthly conference calls to track project progress, schedule, and budget.

Deliverables:

- Monthly progress report and budget summary to accompany invoice.

STAFFING

Our proposed team for this project will be the same as the one that has prepared the GSP for the Basin and is preparing the first Annual Report. This team is familiar with historical and current conditions in the Basin, SGMA requirements for annual reporting, and the organization of the BCGSA.

SCHEDULE

Annual Reports will be prepared in accordance with the SGMA schedule, including submittal to DWR by April 1st of each year. Schedules for each Annual Report will be prepared when those reporting efforts begin.

BUDGET

We estimate the total costs for the four Annual Reports for WYs 2022, 2023, 2024, and 2025 at \$167,520 as shown in the summary on the attached Table 1. This total cost represents individual not-to-exceed budgets of \$41,880 each for the four Annual Reports. Details of the budgets for each of the four Annual Reports are presented in the attached Table 2.

This budget is for completion of four Annual Reports only; It does not include completion of any management actions defined in the GSP.

Todd Groundwater submits monthly invoices on a time and materials basis. We regard the total budget and each the estimate for each Annual Report as not-to-exceed budgets. We will not bill in excess of the estimated costs for this scope of work without prior written approval. If additional technical labor is required due to changed conditions or scope increases, we will work with you and the BCGSA to assess the scope and cost adjustments prior to submitting change orders.

Table 1. Water Year 2022, 2023, 2024, and 2025 Bedford-Coldwater Basin Annual Groundwater Sustainability Plan Report Budget Summary



	I. Priestaf Principal QA/QC	C. Taylor Principal Hydrogeologist	M. Maley Principal Modeler	G. Yates Sr. Hydrologist	M. Reilly Sr. Engineer	Staff Geologist / Engineer	Technical Labor Totals		GIS / Drafting / Graphics	GIS / Graphics Costs	Admin.	Admin Costs	Total Estimated Costs
							hours	\$					
Water Year 2022 Total	3	33	20	23	40	64	183	\$38,005	25	\$3,375	4	\$500	\$41,880
Water Year 2023 Total	3	33	20	23	40	64	183	\$38,005	25	\$3,375	4	\$500	\$41,880
Water Year 2024 Total	3	33	20	23	40	64	183	\$38,005	25	\$3,375	4	\$500	\$41,880
Water Year 2025 Total	3	33	20	23	40	64	183	\$38,005	25	\$3,375	4	\$500	\$41,880
Total	12	132	80	92	160	256	732	\$152,020	100	\$13,500	16	\$2,000	\$167,520

Table 2. Water Years 2022 through 2025 Bedford-Coldwater Basin Annual Groundwater Sustainability Plan Report Budget



Water Years 2022 through 2025 Tasks	I. Priestaf Principal QA/QC \$255/hr	C. Taylor Principal Hydrogeologist \$240/hr	M. Maley Principal Modeler \$240/hr	G. Yates Sr. Hydrologist \$240/hr	M. Reilly Sr. Engineer \$235/hr	Staff Geologist / Engineer \$150/hr	Technical Labor Totals		GIS / Drafting / Graphics \$135/hr	GIS / Graphics Costs	Admin. \$125/hr	Admin Costs	Total Estimated Costs
	hours	\$	hours	\$	hours	\$	hours	\$	hours	\$	hours	\$	hours
Task 1 Compile and Review Data	0	2	0	2	5	10	19	\$3,635	0	\$0	0	\$0	\$3,635
Task 2 Prepare Groundwater Elevation Maps and Hydrographs													
Prepare contour maps	0	1	0	0	0	5	6	\$990	1	\$135	0	\$0	\$1,125
Prepare hydrographs	0	1	0	0	2	5	8	\$1,460	4	\$540	0	\$0	\$2,000
Task 2 Total	0	2	0	0	2	10	14	\$2,450	5	\$675	0	\$0	\$3,125
Task 3 Analyze Groundwater Extraction													
Tabulate municipal uses	0	0	0	0	5	5	10	\$1,925	0	\$0	0	\$0	\$1,925
Estimate other groundwater pumping	0	1	2	2	2	0	7	\$1,670	0	\$0	0	\$0	\$1,670
Summarize results	0	1	0	1	2	2	6	\$1,250	2	\$270	0	\$0	\$1,520
Task 3 Total	0	2	2	3	9	7	23	\$4,845	2	\$270	0	\$0	\$5,115
Task 4 Present Water Supply and Use Data													
Tabulate and review water supplies	0	1	0	0	3	5	9	\$1,695	1	\$135	0	\$0	\$1,830
Tabulate and review water demands	0	1	0	0	3	5	9	\$1,695	1	\$135	0	\$0	\$1,830
Task 4 Total	0	2	0	0	6	10	18	\$3,390	2	\$270	0	\$0	\$3,660
Task 5 Analyze Change in Groundwater in Storage													
Update model	0	1	10	10	5	5	31	\$6,965	0	\$0	0	\$0	\$6,965
Tabulate results	0	2	5	5	0	5	17	\$3,630	4	\$540	0	\$0	\$4,170
Task 5 Total	0	3	15	15	5	10	48	\$10,595	4	\$540	0	\$0	\$11,135
Task 6 Document Progress in GSP Implementation													
Document status of water level related sustainability criteria	0	2	0	0	2	5	9	\$1,700	2	\$270	0	\$0	\$1,970
Review water quality and subsidence data	0	2	0	0	2	2	6	\$1,250	0	\$0	0	\$0	\$1,250
Describe projects and management actions	0	1	0	0	2	0	3	\$710	0	\$0	0	\$0	\$710
Task 6 Total	0	5	0	0	6	7	18	\$3,660	2	\$270	0	\$0	\$3,930
Task 7 Prepare First Annual Report and Presentations													
Draft Annual Report	2	2	2	2	2	10	20	\$3,920	5	\$675	0	\$0	\$4,595
Final Annual Report and Assistance with Submittal to DWR	1	5	1	1	5	0	13	\$3,110	5	\$675	0	\$0	\$3,785
Task 7 Total	3	7	3	3	7	10	33	\$7,030	10	\$1,350	0	\$0	\$8,380
Task 8 Project Management and Coordination	0	10	0	0	0	0	10	\$2,400	0	\$0	4	\$500	\$2,900
Water Year 2021 Total	3	33	20	23	40	64	183	\$38,005	25	\$3,375	4	\$500	\$41,880



BEDFORD COLDWATER
Groundwater Sustainability Authority

Date: February 17, 2022
To: Board of Directors
From: Deputy Treasurer
SUBJECT: ADMINISTRATOR'S UPDATE

RECOMMENDATION:

Information only.

DISCUSSION:

Information is being presented for reference.

FISCAL IMPACT:

Not applicable.

ENVIRONMENTAL WORK STATUS:

Not applicable.

EXHIBITS/ATTACHMENTS:

Administrator's Update

Administrators Update

**Reporting Period: 10/01/2021 to 12/31/2021 – as reported to DWR
with update to 01/27/2022**

Additional tasks completed from 01/01/2022 to 01/27/2022

- Updated stakeholder list to include tribal representatives who attended the cultural monitoring meeting with Helix.
- Discussion with Geoscience and ABC Liovin regarding PFOS and PFOA exceedances in water sample collected from MW-2.
- Reviewed RFP drafted by EVMWD for BCGSA Administrator 2022.
- Reviewed proposal from Todd Groundwater to complete four BCGSA Annual Reports for water years 2022 through 2025.
- Uploaded all components of final GSP to DWR Portal on January 12, 2022.
- Conducted a monthly meeting with BCGSA Staff on January 13, 2022 to discuss monitoring well construction progress, an update on GSP upload progress to DWR, agenda items for February Board meeting.
- Received a data request from Todd Groundwater for the first BCGSA Annual Report due April 1, 2022.
- Received approved renewed encroachment permit and traffic control plan from Riverside County for MW-1 construction.
- ABC Liovin mobilized to MW-1 and set up traffic control, sound barriers, equipment and drilled to approximately 350 feet.
- Reviewed and revised Geoscience Amendment No. 4 to include tribal consultation, additional inspection, and time extension.
- Discussions with ABC Liovin regarding communications with residents near MW-1 and concerns for increased traffic control on Hunt Road.
- Discussions with BCGSA Staff regarding budgets and cost estimates from projects and management actions included in GSP.
- Discussions with Geoscience and BCGSA Staff regarding materials encountered during MW-1 drilling and adjusting planned drilling depth.
- Discussed and reviewed ABC Liovin change order request for increased traffic control to include flagger to respond to resident concerns.
- Review and comment on proposed budget for fiscal year 2023.
- Prepared Q4 2021 grant invoice and progress report and submitting to DWR.
- Prepared Board presentation on monitoring well drilling progress
- Prepared Board presentation on 5-year fiscal year budget look-ahead

Tasks completed from 10/31/2021 to 12/31/2021

Budget Category (a): Grant Administration

Estimated Percent Complete: 80%

Task: Grant Administration

- Prepared Q3 2021 invoice and progress report and submit to DWR.
- Addressed comments on Q2 2021 invoice and progress report and submitted Q2 2021 v2 to DWR.
- Completed monthly invoice processing for Administrator (Stantec) and subconsultants from 10/1/2021 to 12/31/2021.
- Conducted conference calls with Geoscience to discuss progress and drilling strategy for monitoring wells.
- Discussed progress on edits to GSP and Outreach Plan based on non-governmental organization (NGO) comments with Todd Groundwater.
- Discussed grant invoice template, notification requirements, and budget amendment with DWR.
- Developed, revised, and finalized an updated grant budget, schedule, and budget amendment letter to submit to DWR.
- Reviewed agenda and attend pre-construction meeting with Geoscience and ABC Liovin.
- Coordinated with Geoscience and ABC Liovin to develop drilling notifications for landowners, access to wellsite, and schedule.
- Reviewed the need for grant reimbursement for drilling costs and prepare documents for grant agreement paragraph 5, item 4a-c.
- Reviewed laboratory requirements with Geoscience and ABC Liovin.
- Amendment 2 of the Grant Agreement was approved, signed and executed. This amendment re-aligns budget categories closer to actual costs and extends the time period of the agreement.

Budget Category (b): GSP Development

Estimated Percent Complete: 92%

Task 1: Previously Completed Studies

Estimated Percent Complete: 100%

Task 2: Baseline Sampling and Analysis to Support Groundwater Quality Monitoring Program

Estimated Percent Complete: 100%

Task 3: Bedford Coldwater Groundwater Sustainability Agency (BCGSA) Data Management System (DMS)

Estimated Percent Complete: 77%

Task 4: GSP Development

Estimated Percent Complete: 96%

- Todd Groundwater prepared responses to NGO comments and revised GSP.
- EVMWD reviewed response to NGO comments.
- Stantec revised, reviewed, and finalized the GSP based on NGO comments, including text and tables in the Projects and Management Actions section.
- Todd Groundwater finalized the GSP and prepared the documents for upload to the DWR GSP Portal.
- Todd Groundwater began uploading the GSP to the DWR GSP Portal.

Budget Category (c): Stakeholder Engagement

Estimated Percent Complete: 95%

Task 5: Stakeholder Outreach Plan, Website, and Coordination Meetings

- Attended and prepared materials for discussion during the Administrator’s update portion of the JPA Board meeting (draft meeting minutes are included in Appendix B):
 - 11/10/2021; eligible topics discussed: Administrator’s Update regarding GSP activities and development. The Administrator’s Update is part of the agenda and meeting packet provided to the JPA Board members prior to meetings. Board meeting discussion of the Administrator’s Update is summarized in section 4.C. of the meeting minutes.
- Prepared materials and conducted BCGSA Staff coordination calls (meeting summary is included in Appendix B):
 - 10/14/2021 – Staff meeting to discuss monitoring well construction update, draft response letter addressing NGO’s comments on GSP, upcoming JPA Board meeting.
 - 11/10/2021 – Staff meeting to discuss updates on monitoring well construction, GSP adoption, and grant amendment.
 - 12/9/2021 – Staff meeting to discuss updates on monitoring well construction and DWR GSP upload.
- Prepare text and update website with GSP posting announcement.
- Update Outreach Plan based on NGO comments on GSP.
- Review, edit, and finalize stakeholder comment (NGO) response letter.
- Meeting with tribal representatives from the Pechanga, Soboba, and Rincon Bands of Luiseño Indians to discuss cultural resource protection during monitoring well construction.
- Goliath Graffix added an announcement for the GSP on the BCGSA website and compressed and uploaded the final GSP document.
- Stantec reviewed edits to BCGSA website and suggested additional layout changes.

Budget Category (d): Construction/Implementation

Estimated Percent Complete: 25%

Task 6: Monitoring Well Equipment Installation

Estimated Percent Complete: 10%

Task 7: New Monitoring Wells

Estimated Percent Complete: 35%

- ABC Liovin:

- Mobilized and demobilized at the well site at MW-2, including site preparation, drilling permits, noise mitigation measures, cleanup, and restoration of site.
 - Disposed of waste and drill cuttings when drilling was completed.
 - Drilled MW-2 using mud rotary drill rig and collect formation samples.
 - Prepared geophysical logs.
 - Installed 4-inch well with Schedule 08 PVC casing and screen.
 - Developed well by swabbing and airlifting, and by pumping and surging, including a short aquifer test.
 - Collected groundwater samples.
 - Final well head completion, including furnishing and installing monument-style protective well cover.
- Geoscience provided support for well permitting.
 - Geoscience and Stantec prepared for and attended a pre-construction meeting with drilling contractor, ABC Liovin, and provided construction management.
 - Geoscience provided construction management and oversight of drilling, sampling of cuttings, and geophysical logging during construction of monitoring well MW-2.
 - Geoscience prepared the final well design and inspected the installation of casing, screen, filter pack and annular seal for MW-2 based on lithologic and geophysical logs.
 - Geoscience inspected development by pumping and surging of the completed well MW-2 collected groundwater samples and delivered samples to the lab.
 - Stantec discussed drilling progress with Geoscience and reviewed conditions and drilling strategy at MW-2 well site.
 - Stantec reviewed drilling information including induction log, fluid resistivity, temperature log, lithologic log, geophysical log, and well design.
 - Stantec developed final well design with Geoscience.
 - The GSA uploaded all documents related to the grant agreement Paragraph 5, Items 4a and 4b: plans and specifications, signed CEQA document, applicable permits, and revised EIF form

Task 8: Project Monitoring Plan

Estimated Percent Complete: 100%

Major activities for next reporting period:

The BCGSA plans to complete upload of the completed final GSP to the DWR GSP Portal for DWR review. The BCGSA anticipates completing construction of the remaining new monitoring well (MW-1) and monitoring well equipment procurement and installation.

Addendum to Progress Report 11

The following activities were not included in Progress Report 11 due to overspent Budget Category (c). Since completion of Progress Report 11, a reallocation of budget categories has been approved by the DWR to more closely represent actual and forecasted costs.

Budget Category (c): Stakeholder Engagement

Task 5: Stakeholder Outreach Plan, Website, and Coordination Meetings

- Attended and prepared materials for discussion during the special session JPA Board meeting:
 - 8/19/2021; eligible topics discussed: Administrator's Update regarding GSP activities and development. The Administrator's Update is part of the agenda and meeting packet provided to the JPA Board members prior to meetings. Board meeting discussion of the Administrator's Update is summarized in section 4.C. of the meeting minutes (draft meeting minutes are included in Appendix B of Progress Report 11).
 - 9/22/2021; eligible topics discussed: Selection of well construction contractor, ABC Liovin (draft meeting minutes are provided in Appendix B).
- Prepared materials and conducted BCGSA Staff coordination calls (meeting summaries are included in Appendix B of Progress Report 11):
 - 7/8/2021 – Staff meeting to discuss inquiries from stakeholders, monitoring well construction update, stakeholder meeting presentation slides and logistics.
 - 8/12/2021 – Staff meeting to discuss monitoring well construction update and GSP implementation update.
 - 9/9/2021 – Staff meeting to discuss monitoring well construction update and stakeholder comments received from non-governmental organization (NGO) on GSP.
- Stantec updated BCGSA website account and provided stakeholder meeting details to Goliath Graffix to add to webpage.
- Stantec reviewed, editing, and finalized stakeholder meeting presentation slides.
- Stantec prepared, purchased mailing supplies for, and mailed stakeholder meeting announcement letters to stakeholders.
- Stantec prepared for and presented slides at the stakeholder meeting conducted via Zoom on 7/15/2021 (stakeholder meeting slides are included in Appendix B of Progress Report 11).
- Stantec prepared a meeting summary following the stakeholder meeting (stakeholder meeting summary is included in Appendix B of Progress Report 11).
- Stantec responded via email to questions about the BCGSA from the Orange County Water District.
- Stantec reviewed stakeholder comments from NGOs on GSP.

Major activities for next reporting period (Updated 1/27/2022):

- Develop 1st Annual GSP Report due to DWR on April 1, 2022
- Complete construction of MW-1
- Procure and install transducers for 2 existing wells and the two new monitoring wells
- Initiate Well Completion Report
- Publish Request for Proposal (RFP) for GSA Administrator and develop recommendation for selection by the Board
- Begin work on DWR Grant Completion Report and punch list for grant closure

Status of Grant Invoicing
Reporting Period: Inception to Date through 12/31/2021

Category	Grant Allocation		Total Invoiced	Local Contribution	Grant	Retention Withheld	Net Grant \$ to be Paid	Paid to Date
	Local Contribution	Grant Share						
(A) Grant Administration	125,000	50,000	98,657	98,657	-	-	-	-
(B) GSP Development	725,500	375,000	963,190	725,500	237,690	23,769	213,921	171,307
(C) Stakeholder Engagement	24,500	100,000	88,362	24,500	63,862	6,386	57,476	41,725
(D) Construction/Implementation	125,000	475,000	205,230	125,000	80,230	8,023	72,207	-
	\$1,000,000	\$1,000,000	\$1,355,439	\$973,657	\$381,782	\$38,178	\$343,604	\$213,032