



Bear Valley Basin
Groundwater Sustainability Agency (BVBGSA)
C/O City of Big Bear Lake, Department of Water and Power (DWP)
Attention: Reginald A. Lamson
41972 Garstin Drive Big Bear Lake, CA 92315

Special Board Meeting Agenda
February 16, 2023 at 5:00 pm

This meeting will be held by Zoom, in person in the DWP Boardroom at 41972 Garstin Drive, Big Bear Lake, CA, 92315, and in person at 11670 Starlight Avenue, Whittier, CA 92386.

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability related modification or accommodation to participate in this meeting, please contact Reggie Lamson at (909) 866-5050. Requests must be made as early as possible and at least one full business day before the start of the meeting. Documents and material relating to an open session agenda item that are provided to the Board of Directors not less than 72 hours prior to a regular meeting will be available for public inspection and copying at 41972 Garstin Drive, Big Bear Lake, CA 92315 or on our web site at bvbgsa.org.

ZOOM ACCESS INFORMATION

This meeting will be available at: <https://us02web.zoom.us/j/81395397143>

Passcode: bigbear

Meeting ID: 813 9539 7143

You may also call into the meeting by dialing one of the phone numbers below, entering the meeting ID, and entering the password.

Meeting ID: 813 8317 1285

Password: 5568515

Dial by your location

+1 669 900 9128 US (San Jose)

+1 669 444 9171 US

+1 719 359 4580 US

+1 253 205 0468 US

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 309 205 3325 US

BOARD MEMBERS

John Green, Vice Chair

Craig Hjorth, Treasurer

James Miller, Secretary

Steve Ludecke

OPEN SESSION

CALL MEETING TO ORDER

PLEDGE OF ALLEGIANCE

PUBLIC FORUM

The public may address the Board by completing a speaker card. All remarks shall be addressed to the Board as a body only. There is a three-minute maximum time limit when addressing the Board. Please note that California law prohibits the Board from taking action on any item not appearing on the agenda.

1. CONSENT CALENDAR

1.1 Approve Minutes of the Board Meeting Dated June 21, 2022

2. ITEMS REMOVED FROM CONSENT CALENDAR

3. DISCUSSION/ACTION ITEMS

3.1 Agreement with Thomas Harder & Co. to Prepare the Bear Valley Basin Groundwater Sustainability Plan Annual Report

Board to review and consider approving an Agreement with Thomas Harder & Co. to prepare the Bear Valley Basin GSP Annual Report.

3.2 Appointment of Officers

Board to discuss and appoint officers.

3.3 Authentication of Claims Payments

Board to review and consider authenticating the claims payments.

3.4 Future Board Meetings

Board to discuss and agree on a time for future Board meetings.

3.5 Replenish Big Bear Update

Board to review and discuss the Replenish Big Bear Update.

3.6 Management and Board Member Discussion

Board members and/or staff to identify matters for future BVBGSA Agenda Items.

ADJOURNMENT

**BOARD OF BEAR VALLEY BASIN
GROUNDWATER SUSTAINABILITY AGENCY
MEETING MINUTES
June 21, 2022**

OPEN SESSION

A meeting of the Bear Valley Basin Groundwater Sustainability Agency Board of Directors was called to order at 5:00 p.m. on June 21, 2022 by Chair Ludecke at 41972 Garstin Drive, Big Bear Lake, CA 92315.

BOARD MEMBERS PRESENT:

Bob Ludecke, Chair
John Green, Vice Chair
Craig Hjorth, Treasurer
Jim Miller, Secretary

PLEDGE OF ALLEGIANCE

Bob Ludecke, Chair

PUBLIC FORUM:

No comments from the public.

1. PUBLIC HEARING**1.1 Resolution No. 2022-03 Readoption of the Bear Valley Basin Groundwater Sustainability Plan**

Chair Ludecke opened the Public Hearing at 5:01 p.m.

Vice-Chair Green asked if the delay in adopting the Bear Valley Basin Groundwater Sustainability Plan (GSP) had any impact on the grant funding. Reggie Lamson, General Manager of the City of Big Bear Lake Department of Water and Power (DWP) replied that it did not impact grant funding. Secretary Miller thanked Tom Harder and his staff for preparation of the GSP.

Motion made by Secretary Miller, seconded by Vice-Chair Green, and carried 4-0 approving Resolution No. 2022-03, readopting the Bear Valley Basin GSP.

AYES: Green, Hjorth, Ludecke, Miller

NOES: -

ABSTAIN: -

Chair Ludecke opened the Public Hearing at 5:05 p.m.

1.2 Resolution No. 2022-04 Budget for Fiscal Year 2022/23

Motion made by Vice-Chair Green, seconded by Treasurer Hjorth, and carried 4-0 approving Resolution No. 2022-04 adopting the budget for Fiscal Year 2022/23.

AYES: Green, Hjorth, Ludecke, Miller

NOES: -

ABSTAIN: -

2. CONSENT CALENDAR**2.1 Approve Minutes of Board Meeting Dated January 18, 2022**

Motion made by Treasurer Hjorth, seconded by Secretary Miller, and carried 4-0 to approve the Consent Calendar.

AYES: Green, Hjorth, Ludecke, Miller

NOES: -

ABSTAIN: -

3. ITEMS REMOVED FROM CONSENT CALENDAR

None

4. DISCUSSION/ACTION ITEMS

4.1 Approval of Claims Payments

Motion made by Secretary Miller, seconded by Treasurer Hjorth, and carried 4-0 to approve the claims payments from January 5, 2022 to June 15, 2022.

AYES: Green, Hjorth, Ludecke, Miller

NOES: -

ABSTAIN: -

4.2 Move Regular Board Meeting to August 9, 2022

Motion made by Vice-Chair Green, seconded by Secretary Miller, and carried 4-0 to move the August regularly scheduled Board meeting from August 16th to August 9th.

AYES: Green, Hjorth, Ludecke, Miller

NOES: -

ABSTAIN: -

4.3 Replenish Big Bear Update

David Lawrence, General Manager of the Big Bear Area Regional Wastewater Agency (BBARWA), shared that on February 28, 2022 a permit application was submitted with the Regional Board, and we have not received a response back. There has been some feedback from the Regional Board and concerns regarding the treatment process. Due to the Regional Board's feedback, the Replenish Big Bear Project (Project) will now include one-hundred percent reverse osmosis and advanced oxidation. Treasurer Hjorth asked what advanced oxidation is. David responded that advanced oxidation is the process of adding chemicals, such as peroxide, to the water system to rid the water of pharmaceuticals. There is no better water treatment. Reggie shared that he gave a presentation on the Project to the Sierra Club and the Club inquired about the issue of pharmaceuticals in the water. Reggie added that reverse osmosis rids the water of some but not all pharmaceuticals. With advanced oxidation, most chemicals and pharmaceuticals will be non-detect.

Chair Ludecke inquired into the additional cost to add advanced oxidation to the Project. David responded that the cost to including advanced oxidation would increase the annual Operations and Management costs about \$200,000. David stated he does not see this additional treatment to be a stumbling block for the Project. Chair Ludecke asked if we was fairly confident the Permit will be approved. David responded yes; he is confident the Project will be permitted. David reviewed the grants received for the Project, that the City plans to include on the November ballot an increase in the TOT that a portion of these funds may be used for Project O & M, and we are working with funding partners for additional funding for the Project. Chair Ludecke inquired into the revised estimate for the Project. David responded the latest he has seen is approximately \$56 million. Secretary Miller asked if there can be a reasonable connection between the pharmaceutical issue and the available COVID relief funding. David responded that a presentation of the Project was given to the County Chief Executive Officer and that the County is willing to sign a non-financially binding MOU for the Project.

4.4 Management and Board Members Discussion

Secretary Miller inquired into the GSP reporting requirements. Reggie responded he will confirm reporting requirements with Tom Harder.

ADJOURN

No additional business came before the Board. At 5:25 p.m., Chair Ludecke adjourned the meeting.

Jim Miller, Secretary to the Board



Bear Valley Basin Groundwater Sustainability Agency Agenda Report

DATE: February 16, 2023

TO: Board of Directors

FROM: Reginald A. Lamson, Administrator

RE: **Agreement with Thomas Harder & Co. to Prepare the Bear Valley Basin Groundwater Sustainability Plan Annual Report**

Background & Discussion:

On June 21, 2022, the Bear Valley Basin Groundwater Sustainability Agency (BVBGSA) adopted the Bear Valley Basin Groundwater Sustainability Plan (GSP). With the adoption and submittal of the GSP, the BVBGSA will be required to prepare and submit an annual report to the California Department of Water Resources (DWR) by April 1, 2023, in accordance with the Sustainable Groundwater Management Act (SGMA).

Thomas Harder & Co. (Tom Harder) submitted a proposal (Exhibit A) to prepare the 2021/22 Annual Report for the BVBGSA. The scope of work includes the following:

- Obtaining, reviewing, QA/QC, and processing of groundwater level data collected during the 2021/22 water year;
- Preparation of groundwater contour maps for Spring 2022 and Fall 2022 (two maps);
- Updating hydrographs for Representative Monitoring Sites (RMS) wells;
- Preparing groundwater storage change tables and graphs;
- Obtaining, reviewing and compiling groundwater extraction and total water use data from the City of Big Bear Lake Department of Water and Power and Big Bear City Community Services District;
- Preparing a Draft and Final version of the 2021/22 BVBGSA Annual Report for submittal to the California Department of Water Resources by April 1, 2023; and
- Posting of the Annual Report on the CDWR SGMA website.

Financial Impact:

The total estimated cost for the proposed scope of work to prepare the GSP 2021/22 Annual Report is \$41,110. If approved by the BVBGSA Board and the member agencies, funding will be secured from each agency in the amount of \$10,277.50 and a budget adjustment of \$41,110 will be applied to Account # 098-6400 Professional Services.

Recommendation:

1. Review the proposal for the GSP 2021/22 Annual Report and consider awarding an agreement with Tom Harder to prepare the GSP 2021/22 Annual Report contingent upon concurrence of approval by the member agencies, that will be responsible for reimbursing the BVBGSA.
2. Review and consider conditional approval of the attached budget adjustment.



January 23, 2023

Bear Valley Basin Groundwater Sustainability Agency
c/o Mr. Reggie Lamson
41972 Garstin Drive
PO Box 1929
Big Bear Lake, CA 92315

Re: Proposed Scope of Work and Budget to Provide Technical Support for Annual Reporting Services for the Bear Valley Basin Groundwater Sustainability Agency

Dear Mr. Lamson,

With the adoption and submittal of the Bear Valley Basin Groundwater Sustainability Plan (GSP), the Bear Valley Basin Groundwater Sustainability Agency (BVBGSA) will be required to prepare and submit an annual report to the California Department of Water Resources by April 1, 2023, in accordance with the Sustainable Groundwater Management Act (SGMA). The required elements of the annual report include:

a) General information, including an executive summary and a location map depicting the basin covered by the report.

(b) A detailed description and graphical representation of the following conditions of the basin managed in the Plan:

(1) Groundwater elevation data from monitoring wells identified in the monitoring network shall be analyzed and displayed as follows:

(A) Groundwater elevation contour maps for each principal aquifer in the basin illustrating, at a minimum, the seasonal high and seasonal low groundwater conditions.

(B) Hydrographs of groundwater elevations and water year type using historical data to the greatest extent available, including from January 1, 2015, to current reporting year.

Thomas Harder & Co.
1260 N. Hancock St., Suite 109
Anaheim, California 92807
(714) 779-3875

(2) Groundwater extraction for the preceding water year. Data shall be collected using the best available measurement methods and shall be presented in a table that summarizes groundwater extractions by water use sector, and identifies the method of measurement (direct or estimate) and accuracy of measurements, and a map that illustrates the general location and volume of groundwater extractions.

(3) Surface water supply used or available for use, for groundwater recharge or in-lieu use shall be reported based on quantitative data that describes the annual volume and sources for the preceding water year.

(4) Total water use shall be collected using the best available measurement methods and shall be reported in a table that summarizes total water use by water use sector, water source type, and identifies the method of measurement (direct or estimate) and accuracy of measurements. Existing water use data from the most recent Urban Water Management Plans or Agricultural Water Management Plans within the basin may be used, as long as the data are reported by water year.

(5) Change in groundwater in storage shall include the following:

(A) Change in groundwater in storage maps for each principal aquifer in the basin.

(B) A graph depicting water year type, groundwater use, the annual change in groundwater in storage, and the cumulative change in groundwater in storage for the basin based on historical data to the greatest extent available, including from January 1, 2015, to the current reporting year.

(c) A description of progress towards implementing the Plan, including achieving interim milestones, and implementation of projects or management actions since the previous annual report.

SCOPE OF WORK

Task 1 – Prepare the BVBGSA First Annual Report

Based on the SGMA requirements, TH&Co will prepare the 2021/22 Annual Report for the Bear Valley Basin. Specifically, our scope of work will include:

- Obtaining, reviewing, QA/QC, and processing of groundwater level data collected during the 2021/22 water year,
- Preparation of groundwater contour maps for Spring 2022 and Fall 2022 (two maps),
- Updating hydrographs for Representative Monitoring Sites (RMS) wells,



- Preparing groundwater storage change tables and graphs,
- Obtaining, reviewing and compiling groundwater extraction and total water use data from the City of Big Bear Lake Department of Water and Power and Big Bear City Community Services District,
- Preparing a Draft and Final version of the 2021/22 BVBGSA Annual Report for submittal to the California Department of Water Resources by April 1, 2023.
- Posting of the Annual Report on the CDWR SGMA website.

The budget for this task assumes that BVBGSA will prepare the Annual Report document and TH&Co will provide the supporting technical analyses and data as described above.

COST ESTIMATE

The total estimated cost for the scope of work described above is \$41,110 as shown in Table 1.

I appreciate the opportunity to provide hydrogeological consulting services for BVBGSA. If you have any questions, don't hesitate to contact me at (714) 779-3875.

Sincerely,



Thomas Harder, P.G., C.HG.
Principal Hydrogeologist



**Cost Estimate for Hydrogeological Services
BVBGSA SGMA Compliance**

Task	Description	Principal Hydro-Geologist \$220/hr	Project Geologist \$135/hr	Staff Geoscientist \$115/hr	Graphics \$100/hr	Clerical \$80/hr	Total Labor	Reimbursable Expenses	Total Cost
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1 Technical Support to Prepare the Annual Report

Review and Process Groundwater Level Data for 2021/22	6	16					\$ 3,480		\$ 3,480
Develop Groundwater Elevation Contour Maps for Spring 2022 and Fall 2022	4	16	80				\$ 12,240		\$ 12,240
Update Hydrographs for RMS Wells	4	10	32				\$ 5,910		\$ 5,910
Prepare Groundwater Storage Change Table, Map and Graph	3	8	40	8			\$ 7,140		\$ 7,140
Obtain and Compile Groundwater Extraction and Total Water Use Data	2	12	8				\$ 2,980		\$ 2,980
Prepare Annual Report Document	12	8	20	14	8		\$ 8,060		\$ 8,060
Post the 2021/22 BVBGSA Annual Report on the SGMA Website	1	8					\$ 1,300		\$ 1,300
Total Cost Estimate							\$ 41,110	\$ 0	\$ 41,110

BJV # _____

BVBGSA BUDGET ADJUSTMENTS - FY 2022-23

Contact Person: Leeanne Eagleson

NET REVENUE CHANGED:

Date Submitted: 2/16/2023

YES: _____ NO: _____ **X**

Board Amendment: X

Amount +/-: _____

Admin. Amendment: _____

General Manager Signature: _____

Source: _____

Description of Amendment:

Appropriate Funding from Member Agencies for BVBGSA Sustainability Annual Report

NAME	DESCRIPTION	ACCOUNT #	PRIOR BUDGET	CHANGE +/-	AMENDED BUDGET
ProfessionalServices		0986400	\$ -	\$ 41,110.00	\$ 41,110.00
Contributions fm BBLDWP		0007910	\$ (3,041.00)	\$ (10,277.50)	\$ (13,318.50)
Contributions fm BBMWD		0007911	\$ (3,041.00)	\$ (10,277.50)	\$ (13,318.50)
Contributions fm BBARWA		0007912	\$ (3,041.00)	\$ (10,277.50)	\$ (13,318.50)
Contributions fm BBCCSD		0007913	\$ (3,041.00)	\$ (10,277.50)	\$ (13,318.50)
Total			\$ (12,164)	\$ -	\$ (12,164)

Comments:



Bear Valley Basin Groundwater Sustainability Agency Agenda Report

DATE: February 16, 2023
TO: Board of Directors
FROM: Reginald A. Lamson, Administrator
RE: **Appointment of Board Officers**

Background:

According to the BVBGSA Bylaws Article 3 Officers, the Board shall appoint the Officers of the Board annually for the following positions: Chairman, Vice Chairman, Treasurer, and Secretary.

Financial Impact:

None.

Recommendations:

Discuss and appoint Board Officers for calendar year 2023.



Bear Valley Basin Groundwater Sustainability Agency Agenda Report

DATE: February 16, 2023
TO: Board of Directors
FROM: Reginald A. Lamson, Administrator
RE: **Authentication of Claims Payments**

Background & Discussion:

Pursuant to paragraph 7.2 of the Bylaws of Bear Valley Basin Groundwater Sustainability Agency, the Board shall authenticate all claims payments. All checks issued for payment of claims have been signed by the Treasurer and the Administrator, except Check # 2023 for \$596.25. A second signer was not available therefore the Administrator was the sole signer. Pursuant to GSA Policy # 2018-01 – Cash Management and Disbursement Policy, two signatures are only required when a payment exceeds \$5,000.

Recommendation:

Authenticate the claims payments as presented in the attached check register.

Attachments:

Check Register June 15, 2022 through February 13, 2023.

Bear Valley Basin Ground Water Sustainability Agency
Claims Payments
June 15, 2022 through February 13, 2023

Vendor	Date	Check Number	Description	Expenditure Account	Amount
Thomas Harder & Co	07/28/2022	2020	19-209-100.22 - Final Invoice Groundwater Sustainability Plan	0986400 · Professional Services	\$ 76.90
BBLDWP	07/27/2022		Public Notices - GSA Hearing	0001320 · Due to/from DWP	136.14
			Public Notices - GSA Hearing	0001320 · Due to/from DWP	148.50
2021				Check Total	284.64
ACWA JPIA	08/19/2022	2022	Cyber Liability Insuracne 7/1/22-6/30/23	0986386 · Insurance	112.50
ACWA	11/03/2022	2023	2023 Annual Dues	0986927 · Memberships, Due,Subscriptions	596.25
ACWA JPIA	12/01/2022	2024	Liability Insuracne 7/1/22-6/30/23	0986386 · Insurance	1,688.00
VOID	12/15/2022	2025	VOID	0001001 · Operating Cash	-
BBLDWP	01/12/2023	2026	Repayment of Cash Advance	0001320 · Due to/from DWP	40,000.00
BBLDWP	01/12/2023	2027	Repayment of Cash Advance	0001320 · Due to/from DWP	7,841.25
Lance, Soll & Lunghard,	01/12/2023	2028	2022 GSA Audit and State Controller's Report	0986480 · Prof Svc - Audit	4,260.00
Total Checks					\$ 54,859.54
MUFG Union Bank	06/25/2022		Bank Fees - May 2022	0986335 · Bank Charges & Misc. Fees	\$ 406.98
MUFG Union Bank	02/25/2022		Bank Fees - June 2022	0986335 · Bank Charges & Misc. Fees	281.35
MUFG Union Bank	08/25/2022		Bank Fees - July 2022	0986335 · Bank Charges & Misc. Fees	260.15
MUFG Union Bank	09/25/2022		Bank Fees - August 2022	0986335 · Bank Charges & Misc. Fees	293.86
MUFG Union Bank	10/25/2022		Bank Fees - September 2022	0986335 · Bank Charges & Misc. Fees	272.30
MUFG Union Bank	11/25/2022		Bank Fees - October 2022	0986335 · Bank Charges & Misc. Fees	270.46
MUFG Union Bank	12/27/2022		Bank Fees - November 2022	0986335 · Bank Charges & Misc. Fees	290.24
MUFG Union Bank	01/25/2023		Bank Fees - December 2022	0986335 · Bank Charges & Misc. Fees	289.35
Total ACH Transactions					\$ 2,364.69
Total Payments					\$ 57,224.23



Bear Valley Basin Groundwater Sustainability Agency Agenda Report

DATE: February 16, 2023
TO: Board of Directors
FROM: Reginald A. Lamson, Administrator
RE: **Future Board Meetings**

Background:

Historically, the BVBGSA Board holds its scheduled Board meetings at 5:00 p.m. It has been proposed to hold future BVBGSA Board meetings during the workday.

Financial Impact:

None.

Recommendations:

Discuss and determined preferred time to hold future BVBGSA Board meetings.



Bear Valley Basin Groundwater Sustainability Agency Agenda Report

DATE: February 16, 2023
TO: Board of Directors
FROM: Reginald A. Lamson, Administrator
RE: **Replenish Big Bear Update**

- Regional Board
- Division of Drinking Water
- Project – Pilot Testing
- Stakeholders



Bear Valley Basin Groundwater Sustainability Agency Agenda Report

DATE: February 16, 2023
TO: Board of Directors
RE: **Management and Board Member Discussion**

Board Members:

John Green, Vice Chair
Craig Hjorth, Treasurer
James Miller, Secretary
Steve Ludecke

Management:

David Lawrence, General Manager BBARWA
Mary Reeves, General Manager CSD
Mike Stephenson, General Manager MWD
Reginald Lamson, BVBGSA Administrator/General Manager DWP