



## BEAR VALLEY WATER DISTRICT

### BOARD MEETING

**November 19, 2018 - 9 A.M.**

Conference Room

441 Creekside Drive, Bear Valley, CA 95223

Call- In Info: 605-475-5920 Access Code: 475-0045

**LOCATION 2:** 546 LUCILLE DRIVE, INCLINE VILLAGE, NV, 89451

### **DECLARATION OF A QUORUM**

James Bissell, President - Stefaniya Becking, Vice President - John Boyle, Treasurer - Ken Brown, Secretary Gunnar Thordarson, Member

### **BOARD MEETING**

*Public comments on agenda items will be limited to 3 minutes or otherwise at the discretion of the Board Chair.*

### **PUBLIC FORUM**

Any member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction provided the matter is not on the agenda or pending before the Board.

### **BOARD BUSINESS**

- 1. The Board will consider adoption of the July 30, 2018 Board Meeting minutes**
- 2. Procurement Policy – Resolution No. 497 - Discussion and Possible Action Item**
- 3. Operations Report – General Manager**
- 4. Financial Report – General Manager**
  - 4.1 P&L and Balance Sheet Reports - Discussion and Possible Action Item
  - 4.2 Accounts Payable Report - Discussion and Possible Action Item
  - 4.3 A/R & Aging Reports – Discussion
  - 4.4 Reserve Funding – Update
  - 4.5 FY 2017-18 Audit - Discussion and Possible Action Item
- 5. Board Member Reports**

Materials related to any item on this Agenda are available for public inspection in the District Office at 441 Creekside Drive, Bear Valley, CA 95223 during normal business hours. Information on materials in the agenda is also available on the Bear Valley Water District website at <http://www.bvwd.ca.gov>, subject to staff's ability to post the documents before the meeting. Any material provided to the legislative body at the meeting by agency staff or a member of the legislative body will be available at the public meeting, documents provided by others will be available right after the meeting.

This agenda shall be made available upon request in alternative formats to persons with a disability, as required by the Americans with Disabilities Act of 1990 (42USC, #12132) and the Ralph M. Brown Act, CA Government Code # 54954.2.

Any persons requesting a disability related modification or accommodation in order to participate in the meeting should contact Judi Silber at 209-753-2112, during regular business hours, at least 72 hours prior to the meetings.

## **MINUTES**

### **REGULAR BOARD MEETING**

#### **DECLARATION OF A QUORUM**

President James Bissell called the meeting to order at 9:17 A.M. Directors present were Stefaniya Becking, Vice President and John Boyle, Treasurer. Absent with notice were Ken Brown, Secretary and Gunnar Thordarson, Director. Staff present were Jeff Gouveia and Judi Silber. No public present.

*Public comments on agenda items will be limited to 3 minutes or otherwise at the discretion of the Board Chair.*

#### **PUBLIC FORUM**

Any member of the public may address and ask questions of the Board relating to any matter within the Board's jurisdiction provided the matter is not on the agenda or pending before the Board.

#### **BOARD BUSINESS**

- 1. Public Hearing** – Proposed Delinquent Sewer Service Fees To Be Added to 2018-19 Alpine County Tax Rolls - Discussion and Possible Action Item

President James Bissell opened the public hearing at 9:17 A. M. There were no public present.

Motion/Boyle Second/Becking to approve the delinquent sewer service fees list and add them to The 2018-19 Alpine County Tax Roll.

Ayes: Bissell, Becking, Boyle

Noes:

Absent: Brown, Thordarson

Motion Carried

President Bissell adjourned the public hearing at 9:25 A.M. and opened the regular meeting.

- 2. The Board will consider adoption of the June 11, 2018 Board Meeting Minutes**

Motion/Bissell Second/Becking to accept the June 11, 2018 Board Meeting Minutes are presented.

Ayes: Bissell, Becking, Boyle

Noes:

Absent: Brown, Thordarson

Motion Carried



### **3. FY 18 - 19 Final Budget Proposal - Discussion and Possible Action Item**

The Board discussed the Bee Gulch Lift Station upgrade. After a site visit from Aqua Sierra staff and Review of the design by District Engineers Ghio and Ospital, the project total has increased to \$63K. Check valves inside the building needed to be moved outside due to pressure building up. Outside lids have to be made of steel, tamper proof, and traffic rated. Lab Fees and utilities decreased this year. Repair and maintenance line items are all over the place year to year. Treasurer Boyle suggested footnoting the budget for unexpected items to cover emergency repairs.

Motion/Boyle Second/Becking to present the budget as presented.

Ayes: Bissell, Becking, Boyle

Noes:

Absent: Brown, Thordarson

Motion Carried

### **4. Reserve Funding – Discussion and Possible Action Item**

General Manager Gouveia recommended waiting for final audited numbers and funding the reserve account at the October meeting. He informed the Board that Robert Johnson, CPA, the District's auditor, recommended that the District setup pooled accounting to fund and manage reserve accounts. Vice President Becking recommended staff to setup and fund the reserve accounts as a "Draft" subject to revision after the audit.

Motion/Boyle Second Becking move to fund reserve accounts per the consensus of the last board Meeting subject to adjustments as necessary by/from the audit.

Ayes: Bissell, Becking, Boyle

Noes:

Absent: Brown, Thordarson

### **5. Operations Report – General Manager**

See Attachment.

### **6. Financial Report – General Manager**

6.1 P&L and Balance Sheet Reports - Discussion and Possible Action Item  
Financial presented for information only. Finals will be presented after audit.

6.2 Accounts Payable Report - Discussion and Possible Action Item  
Accounts Payables Reports presented for information only. Finals will be presented after audit.

6.3 A/R & Aging Reports – Discussion  
Accounts Receivable Report presented for information only. Finals will be presented after audit.

### **7. Board Member Reports**

The next board meeting was set for Monday, November 19, 2018 at 9:00 A.M.

# AGENDA ITEM

DATE: JULY 30, 2018

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: MONTHLY OPERATIONS REPORT

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## 1. Collections, Treatment & Disposal Operations - Update

### a. Flows - Influent Flows & Pond Transfers

July 1-24 2018 Influent Flow was 1.084 (MG). July 1-24, 2018 .411 (MG) was transferred to the polishing reservoir.

### a. Volumes - Storage, Capacity & Disposal

Current Storage Volume at 7/24/2018 is 7067.4 = 7.71 MG = 10.1%

## 2. Permit Compliance & Monitoring & Reporting Programs (MRPs) - Update

### a. WDR MRP - Land Discharge Permit – Compliance & Reporting Update

#### i. Reporting Status Matrix – All Reporting Submitted On-Time

June 1 – 30, 2018 NPDES required reports submitted and are In-Progress and Submitted status.

#### ii. Groundwater Monitoring Program - Update

### b. NPDES MRP – Surface Water Discharge Permit – Compliance & Reporting Update

#### i. Reporting Status Matrix – All Reporting Submitted On-Time

## 3. Other

### a. DSOD Dam Break Analysis and Inundation Mapping – Data Request Received & In Process

GM received a data request from Mead and Hunt. In process, slow moving, they are waiting for the final regulations to come out in the Fall. GM building up data now.

### b. Aeration System Upgrade Research – Tentative FY19-20 Capital Project

Discussion ensued regarding whether or not to build up to full design or to build the new Aeration system in stages. GM recommended the latter. The District will continue using the same blower and install a new diffuser system. The new system will use less energy, it will have more efficiency and effectiveness.

### c. SSMP Development – Plan Development & Draft Document Work On-Going

GM still working on the SSMP Report and is getting close. It's an extensive report. Staff did most of the collection of lab samples in house. 1<sup>st</sup> ground water event and testing of the six groundwater wells. The final report will be produced by Stantec.



Enabling Statute	Statute	Comment
Public Construction Requirements	Water Code § 71000 et seq.	Bear Valley Water District is a Municipal Water District
Competitive Bid Threshold	Public Contract Code § 20640 et seq. Public Contract Code § 20642	Public works contracts \$35,000, or more, shall be let to the lowest responsible bidder, after publication of notice inviting bidders
Competitive Bid Requirements	Public Contract Code § 20644	The Board may establish the manner of calling for bids and letting contracts
Publication Requirement	Public Contract Code § 20642	Manner prescribed by Board
Design-Build Authority	Public Contract Code § 22160 et seq.	<ul style="list-style-type: none"> <li>• Projects exceeding \$1,000,000</li> <li>• Project is defined as the following: <ul style="list-style-type: none"> <li>○ Construction of regional and local wastewater treatment facilities</li> <li>○ Regional and local solid waste facilities</li> <li>○ Regional and local recycling facilities</li> </ul> </li> </ul>

## **Bear Valley Water District Procurement Policy**

This Procurement Policy is adopted in order to establish efficient procedures for the Procurement of services, goods, equipment, supplies, Professional Services, and/or Public Projects to clearly define authority for the purchasing function of the District.

### **I. Definitions**

The following definitions shall apply to the terms as they appear in this Policy:

- a. "Board of Directors" means the Board of Directors of Bear Valley Water District.
- b. "Competitive Bidding" means the process of public advertisement for the submission of sealed bids, the public opening of bids, and recommending award of contracts to the lowest responsible bidder that is responsive to the solicitation for bids.
- c. "Emergency" shall have the same meaning as set forth in Public Contract Code section 1102, which currently reads, "a sudden, unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life, health, property, or essential public services."
- d. "Maintenance" shall have the same meaning as set forth in Public Contract Code section 22002, which currently means routine, recurring, and usual work for the preservation or protection of any publicly owned or publicly operated facility for its intended purposes, minor repainting, landscape maintenance, and work performed to keep, operate, and maintain publicly owned waste disposal systems.
- e. "Procurement" means the purchase or otherwise compensatory securing of goods, services, equipment, Professional Services, or Public Projects.
- f. "Professional Services" shall have the same meaning as set forth in Government Code section 53060, which currently means any type of special service or advice in financial, economic, accounting, engineering, legal, or administrative matters by persons specially trained and experienced and competent to perform the special services required. Such services include but are not limited to architectural; engineering; environmental; financial; land surveying; construction management; audits; training services; legal services; preparation of planning or studies; technology application development; and personnel, job classification and benefit studies.
- g. "Public Project" shall have the same meaning as set forth in Public Contract Code section 22002, which currently means "construction, reconstruction, alteration, renovation, improvement, demolition, and repair work involving any publicly owned, leased, or operated facility." Maintenance work is not considered a Public Project for purposes of this definition."

### **II. Purchasing Agent Designated**



The General Manager is the designated Purchasing Agent. The Purchasing Agent may delegate all or a portion of the Procurement duties to any District staff member. The Purchasing Agent shall have the authority to:

- a. Authorize Procurements in accordance with the procedures outlined in this Policy up to the expenditure limits established by resolution of the Board of Directors;
- b. Sign contracts for Procurements in accordance with the requirements of this Policy;
- c. Prepare and recommend to the Board of Directors revisions and amendments to this Policy;
- d. Establish and maintain such forms as reasonably necessary to the operation of purchasing guidelines set forth in this Policy;

### **III. Procurement of Public Projects up to \$35,000**

If the amount or value involved in a Procurement of a Public Project is less than \$35,000, the Purchasing Agent may allow the Procurement without written bid, by informal price checking through telephone or mail inquiry, comparison of prices on file or otherwise, subject to the expenditure limits established by resolution of the Board of Directors.

The Purchasing Agent may award and sign Public Project contracts up to the expenditure limits established by resolution of the Board of Directors without further approval from the Board of Directors. Board of Directors' approval is required for Public Project awards and contracts in excess of the established expenditure limits.

At the discretion of the Purchasing Agent, the Procurement of a Public Project the value of which is less than \$35,000, the Competitive Bid process in Section IV of this Policy may be used.

### **IV. Procurement of Public Projects Exceeding \$35,000**

When the amount or value of a Public Project exceeds \$35,000, the Purchasing Agent shall conduct Competitive Bidding as follows:

- a. Prepare notice inviting sealed bids that includes a general description of the Public Project, where bid forms and specifications may be obtained, and the time and place for bid openings.
- b. Notice inviting sealed bids shall be posted on the District's website at [www.bvwd.ca.gov](http://www.bvwd.ca.gov), and may be provided to select trade journals, at least 10 days before the date of opening bids.
- c. The Purchasing Agent may also identify and solicit sealed bids from any responsible prospective bidders and may advertise the notice inviting sealed bids in any applicable publications.
- d. Bidders shall be required to submit a bid deposit or bond. A successful bidder shall be liable for any damages upon the bidder's failure to enter into a contract

- with the District or upon the failure to perform in accordance with the tenor of their bid.
- e. Any person or entity entering into a Public Project contract in excess of \$25,000 with the District shall be required to furnish a faithful performance deposit or bond.
  - f. Sealed bids shall be opened in public at the time and place stated in the public notices.
  - g. At its direction, the Board of Directors may reject all bids presented and re-advertise for bids.
  - h. Public Project contracts shall be awarded to the lowest responsible bidder.
  - i. The Purchasing Agent may award and sign Public Project contracts up to the expenditure limits established by resolution of the Board of Directors without further approval from the Board of Directors. Board of Directors' approval is required for Public Project awards and contracts in excess of the established expenditure limits.

#### **V. Purchasing Agent Authority to Identify and Conduct Competitive Bidding of Public Projects**

The Purchasing Agent shall have discretion to identify Public Projects and conduct Competitive Bidding subject to the following limitations:

- a. The Purchasing Agent may conduct Competitive Bidding for a Public Project where the value of the Public Project is not anticipated to exceed [AMOUNT].
- b. The Purchasing Agent shall obtain approval of the Board President prior to conducting Competitive Bidding for Public Project where the value of the Public Project is anticipated to be between [AMOUNT] and [AMOUNT].
- c. The Purchasing Agent shall obtain approval of the Board of Directors to conduct Competitive Bidding for Public Project where the value of the Public Project is anticipated to exceed [AMOUNT].
- d. The Purchasing Agent may conduct Competitive Bidding for a Public Project specifically identified in the District's approved Budget, regardless of amount, without further approval.
- e. This Section of the Policy shall not alter any additional requirements for Procurement of Public Projects identified in this Policy.

#### **VI. Procurement of Professional Services**

If the amount or value involved in a Procurement of Professional Services is less than the expenditure limits for the Purchasing Agent established by resolution of the Board of Directors, the Purchasing Agent may allow the Procurement on the basis of demonstrated competence and qualifications for the types of services to be performed.



All Procurements for Professional Services that exceed the expenditure limits established by resolution of the Board of Directors shall be approved by the Board of Directors at a Regular or Special Meeting thereof.

#### **VII. Procurement of Services, Goods, Equipment, and Supplies**

For Procurement of services, goods, equipment, and supplies that are not Public Projects or Professional Services, the Purchasing Agent has discretion to make the Procurement within the expenditure limits established by resolution of the Board of Directors.

The Purchasing Agent shall obtain approval from the Board of Directors' for Procurement of goods, equipment, and supplies in excess of the established expenditure limits.

#### **VIII. Contracting During Declared Emergency**

In the event of an Emergency, the District, pursuant to a four-fifths vote of the Board, may repair or replace a public facility, take any directly related and immediate action required by that Emergency, and procure the necessary equipment, services, and supplies for those purposes, without following the purchasing procedures prescribed by this Policy.

The Board has authorized the General Manager, or its designee, to approve Emergency Procurements and take action set forth in this Policy and shall report to the District Board, at its next meeting, the reasons justifying why the Emergency did not permit a delay resulting from competitive solicitation and why the action was necessary to respond to the Emergency.

**RESOLUTION NO. 497**

**RESOLUTION AUTHORIZING THE GENERAL MANAGER TO APPROVE  
PAYMENT OF BILLS AND EXECUTE CONTRACTS IN ACCORDANCE WITH THE  
ADOPTED BUDGET**

WHEREAS, the Bear Valley Water District (the "District") is a public agency duly organized and existing under and pursuant to the laws of the State of California; and

WHEREAS, the District' regularly meets on a quarterly basis; and

WHEREAS, the District adopts a budget each year; and

WHEREAS, there is a need to make contracts and approve payment of bills to accomplish the goals set forth in the budget between meetings;

NOW, THEREFORE, BE IT RESOLVED that the General Manager is authorized to make contracts and approve payment of bills to accomplish the goals set forth in the budget adopted by the Board of Directors, up to the amount specified in each budget category, provided that any expenditure or contract which is made pursuant to a competitive bid as required by the District's Procurement Policy shall require approval of the Board of Directors; and

BE IT FURTHER RESOLVED that the General Manager is authorized to sign warrants or checks to pay such approved bills set forth in this Resolution upon obtaining approval of the Board President; and

BE IT FURTHER RESOLVED that all bills and contracts approved and paid by the General Manager subject to the Resolution be ratified by the Board of Directors at the next meeting of the Board of Directors.

PASSED AND ADOPTED by the Board of Directors, at a regular meeting thereof, held on the \_\_\_\_ day of \_\_\_\_\_, 2018, by the following vote:

AYES: \_\_\_\_\_

NOES: \_\_\_\_\_

ABSENT: \_\_\_\_\_

ABSTENTION: \_\_\_\_\_

Bear Valley Water District

By: \_\_\_\_\_  
\_\_\_\_\_, PRESIDENT



ATTEST:

\_\_\_\_\_  
\_\_\_\_\_, SECRETARY

CERTIFICATION

I, \_\_\_\_\_, Secretary of the Bear Valley Water District, do hereby certify that the foregoing is a full, true and correct copy of a resolution of the Bear Valley Water District duly passed and adopted at a regular meeting of the Board of Directors thereof held on the \_\_\_\_ day of \_\_\_\_\_, 2018.

Dated: \_\_\_\_\_, 2018

\_\_\_\_\_  
\_\_\_\_\_, SECRETARY

EXHIBIT A

BEAR VALLEY WATER DISTRICT PROCUREMENT POLICY



# AGENDA ITEM

DATE: NOVEMBER 19, 2018

TO: BVWD BOARD OF DIRECTORS

FROM: JEFF GOUVEIA, DISTRICT GENERAL MANAGER

RE: MONTHLY OPERATIONS REPORT

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1. Collections, Treatment & Disposal Operations - Update
  - a. Flows - Influent Flows & Pond Transfers
  - a. Volumes - Storage, Capacity & Disposal
2. Permit Compliance & Monitoring & Reporting Programs (MRPs) - Update
  - a. WDR MRP - Land Discharge Permit – Compliance & Reporting Update
    - i. Reporting Status Matrix – All Reporting Submitted On-Time
    - ii. Groundwater Monitoring Program – All Tri-Annual Monitoring Completed; 1<sup>st</sup> & 2<sup>nd</sup> Reports Sub.
    - iii. August 2018 WDR Cover Letter Submission – Monthly TSS Limit Violation 32 mg/L (Permit = 30)
  - b. NPDES MRP – Surface Water Discharge Permit – Compliance & Reporting Update
    - i. Reporting Status Matrix – All Reporting Submitted On-Time
    - ii. August 8, 2018 Notice of Violation Letter – Receiving Water Monitoring Oversight
    - iii. August 30, 2018 NPDES Request for Changes to Monitoring Frequency & Non-Disch Monitoring
      - i. Working with Regional Board toward Letter to File for Spring 2019 Discharge & August 2019 Permit Amendments
3. Other
  - a. Aeration System Upgrade Research – Tentative FY19-20 Capital Project
  - b. DSOD Dam Break Analysis and Inundation Mapping – Update
  - c. Alpine County Multi-Jurisdictional Hazard Mitigation Plan – FEMA Approval Letter
  - d. Lake Alpine Water Company Resolution W-5175 – General Rate Increase
  - e. Bee Gulch Lift Station Upgrade – Complete
  - f. New Lake Alpine Lodge Ultrasonic Flow Meter Installation
  - g. October 2018 Newsletter & E-blast
  - h. Staff Training - Update

## Board Meeting 11-19-18 Operations Report

- Influent Flows (MG) – Total of ALL Wastewater Received / % change previous yr**

<u>July 2018</u>	<u>July 2017</u>	<u>July 2016</u>
1.386 / 73.2%	1.894 / 141.7%	1.337 / 96.8%
<u>August 2018</u>	<u>August 2017</u>	<u>August 2016</u>
.960 / 89.1%	1.077 / 109.8%	.981 / 89.8%
<u>September 2018</u>	<u>September 2017</u>	<u>September 2016</u>
.773 / 100.5%	.769 / 123.4%	.623 / 90.2%
<u>October 2018</u>	<u>October 2017</u>	<u>October 2016</u>
.501 / 107.5%	.466 / 68.8%	.677 / 140.2%
<u>November 1-14, 2018</u>	<u>November 2017</u>	<u>November 2016</u>
.192	1.335 / 135.0%	.989 / 179.5%

- Transferred to PR (MG) - Volume of Water Moved from Treatment to Storage / % change previous yr**

<u>July 2018</u>	<u>July 2017</u>	<u>July 2016</u>
.459 / 40.9%	1.123 / 341.3%	.329 / 32.2%
<u>August 2018</u>	<u>August 2017</u>	<u>August 2016</u>
.237 / 22.4%	1.052 / 114.3	.920 / 108.0%
<u>September 2018</u>	<u>September 2017</u>	<u>September 2016</u>
.110 / 9.4%	1.175 / 2.84.5%	.413 / 113.2%
<u>October 2018</u>	<u>October 2017</u>	<u>October 2016</u>
5.643 / 905.8%(drawdown for TP maint.)	.623 / 37.7	1.653 / 102.4%
<u>November 1-14, 2018</u>	<u>November 2017</u>	<u>November 2016</u>
.034	2.452 / 228.1%	1.075 / 126.9%

- Land Application - Annual Totals – MG Applied / % change previous yr**

<u>2018</u>	<u>2017</u>	<u>2016</u>
23.215 / 144.6%	16.051 / 30.5%	52.572 / 215.4%

2018 Land Application Began June 1 - Ended August 20

- Surface Discharge - Effluent Flow Discharge Totals – MG**

<u>March 2018</u>	<u>April 2018</u>	<u>May 2018</u>	<u>June 2018</u>	<u>Total 2018 Discharge</u>
0.0	11.9	11.7	0.0	23.6
<u>March 2017</u>	<u>April 2017</u>	<u>May 2017</u>	<u>June 2017</u>	<u>Total 2017 Discharge</u>
15.8	29.9	29.7	16.9	92.3

- Storage Reservoir Elevations and Volumes (based on 10/6/15 pressure chart):**

- Empty (minimum pool) = 7063.0' = 0 MG = 0'
- Total Depth (w/2' Freeboard) = 7086.3' = 76.45 MG = 23.3'
- Total Depth (spillway) = 7088.3' = 85.86 MG = 25.3'
- Permitted Full Reservoir (2' Freeboard) = 7086.3' = 76.45 MG = 100%
  - Highest Level 2018 – 4/20/18 = 7078.3' = 42.88 MG = 56.1%
  - Highest Level 2017 – 3/8/17 = 7083.9' = 65.67 MG = 85.9%
  - Highest Level 2016 – 5/26/16 = 7081.9' = 57.16 MG = 74.7%
  - Highest Level 2015 – 5/21/15 = 7070.1' = 15.48 MG = 20.2%
  - Highest Level 2014 – 5/8/14 = 7072.3' = 21.93 MG = 28.7%
  - Highest Level 2013 – 5/16/13 = 7073.5' = 25.84 MG = 33.8%
  - Highest Level 2012 – 5/10/12 = 7078.6' = 44.03 MG = 57.6%
  - Highest Level 2011 – 7/10/11 = 7084.47' = 112.42 MG = 106.2% (1974 capacity curve in use until 12/11)
  - Current Storage Volume = 7066.3 = 5.13 MG = 6.7% (11/9/2018)
  - Storage Volume 1 Year Ago = 7064.9 = 2.33 MG = 3.0% (11/16/2018)

- Collection System 2018:** Jet 6990', % change previous yr: 230%. Video 2330', % change previous yr: 172.6%  
**2017** Jet 3030' Video 1350'





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KQED Public ...

A addVANTAGE Pro 6 - jeff ...

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ArcGIS - Sign In - User-g...

BVWD Admin - jeff, bvw...

Hourly-Event Stations BL...

HT3 - HyperTAC partition

Services - MillerSpatial

https://ciwqs.waterboards.ca.gov/ciwqs/reportBuilderSelectReport.jsp?rmlD=148640&

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## SMR / DMR Reporting

Facility Name: Bear Valley WWTF

Water Board Office: Region 5S - Sacramento

Reporting Level: Level I

Order Number: 5-01-208  
Case Worker: Kenny Croyle

To review or submit a report, select it from the list below. To change the list of reports, check the status types and/or enter start and end dates.

### Show reports that meet these criteria

Status:

- ☒ Submitted - report was already submitted to water board
- ☒ In-Progress - report has been edited but not submitted
- ☒ Past Due - report deadline has passed and report has not been submitted
- ☒ Future - report due date is in the future
- ☒ Withdrawn - report has been withdrawn

Show Report Due Between: 05/13/2018 and 05/13/2019

[Refresh List](#) [Show Calendar Year](#)

Search results:

Export to Excel Show: 100 |  
Previous 1-12 of 12 Next

ID	Report Name	Type	Frequency	Reporting Period	Due Date	Status	Date Received	Date Reviewed	Certified Violations
2118529	October 2018	MONRPT	Monthly	10/01/2018 - 10/31/2018	12/01/2018	Future			No
2132160	November 2018	MONRPT	Monthly	11/01/2018 - 11/30/2018	01/01/2019	Future			No
2118530	Q3 2018 (3 times per year)	GR_WATER	Quarterly	10/01/2018 - 12/31/2018	02/01/2019	Future			No
2015249	2018	MONRPT	Annual	01/01/2018 - 12/31/2018	02/01/2019	Future			No
2048785	April 2018	MONRPT	Monthly	04/01/2018 - 04/30/2018	06/01/2018	Submitted	05/21/2018		No
2058957	May 2018	MONRPT	Monthly	05/01/2018 - 05/31/2018	07/01/2018	Submitted	08/27/2018		No
2067381	June 2018	MONRPT	Monthly	06/01/2018 - 06/30/2018	08/01/2018	Submitted	07/25/2018		No
2077227	July 2018	MONRPT	Monthly	07/01/2018 - 07/31/2018	09/01/2018	Submitted	08/22/2018		No
2048796	Q1 2018 (3 times per year)	GR_WATER	Quarterly	04/01/2018 - 07/31/2018	09/01/2018	Submitted	08/06/2018		No
2089311	August 2018	MONRPT	Monthly	08/01/2018 - 08/31/2018	10/01/2018	Submitted	09/24/2018		No
2089312	Q2 2018 (3 times per year)	GR_WATER	Quarterly	08/01/2018 - 09/30/2018	11/01/2018	Submitted	10/15/2018		No
2108576	September 2018	MONRPT	Monthly	09/01/2018 - 09/30/2018	11/01/2018	Submitted	10/25/2018		No



## Monitoring Report Submittal Transmittal Form

Attn: Kenny Croyle (916) 464-4676  
Central Valley Regional Water Quality Control Board  
11020 Sun Center Drive #200  
Rancho Cordova, CA 95670-6114

Discharger: Bear Valley Water District  
Name of Facility: Bear Valley Wastewater Treatment Facility  
WDRs Order Number: R5-2001-0208  
WDID: 5B020101001  
County: Alpine

I am hereby submitting to the Central Valley Water Board the following information:

### Check all that apply:

Monthly Monitoring Report for the month of August, 2018

1st / 2nd / 3rd / 4th (**circle one**) Quarterly Monitoring Report for the year of \_\_\_\_\_

1st / 2nd (**circle one**) Semi-annual Monitoring Report for the year \_\_\_\_\_

Annual Monitoring Report for the year \_\_\_\_\_

### Violation Notification

During the monitoring period, there were / were not (circle one) any violations of the WDRs.

1. The violations were:  
Our TSS monthly average was 32 mg/L, above our permitted discharge specification of 30mg/L.
2. Have the violations been corrected? Yes / No  
The algae bloom the treatment pond this summer has been stronger and lasted longer than usual. We have been treating this with a sludge reducer and bacteria to improve our final effluent TSS results. The first TSS sample of September was 26 mg/L.

### Certification Statement

*"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."*

Signature: 

Phone: 209-753-2112

Printed Name: Guy W West

Date: September 20, 2018







RECEIVED AUG 20 2018



EDMUND G. BROWN JR.  
GOVERNOR

MATTHEW RODRIGUEZ  
SECRETARY FOR  
ENVIRONMENTAL PROTECTION

**Central Valley Regional Water Quality Control Board**

8 August 2018

Jeff Gouveia  
General Manager  
Bear Valley Water District  
P.O. Box 5027  
Bear Valley, CA 95223

**CERTIFIED MAIL**  
91 7199 9991 7039 7061 7123

**SELF-MONITORING REPORT REVIEW AND NOTICE OF VIOLATION, BEAR VALLEY  
WATER DISTRICT, BEAR VALLEY WASTEWATER TREATMENT FACILITY, ALPINE  
COUNTY**

The Bear Valley Water District (Discharger) discharges treated wastewater from the Bear Valley Wastewater Treatment Facility (Facility), which is regulated by surface water discharge permit Waste Discharge Requirements (Surface Water WDRs) Order R5-2016-0045-01 (NPDES CA0085146) and land discharge Waste Discharge Requirements Order 5-01-208 (Land Discharge WDRs). The Monitoring and Reporting Programs (MRPs) of both WDRs require monitoring for constituents and other parameters and specifies the location and frequency of monitoring. Central Valley Water Board staff has reviewed the electronic self-monitoring reports (eSMRs) for the Surface Water WDRs submitted by the Discharger for the **April 2018** and **June 2018** monitoring periods. An evaluation of the Land Discharge WDRs monitoring reports will be reviewed in a future letter.

The review of the eSMRs identified the following violations:

**Monitoring and Reporting Program Violations**

In the June 2018 eSMR cover letter, the Discharger reported that due to an oversight, samples for receiving water pH, dissolved oxygen (DO), electrical conductivity (EC), hardness, temperature and turbidity at the monitoring locations RSW-001 and RSW-002 were not collected. Failure to monitor receiving water in June 2018 is a violation of MRP Provision VII.A.1.



RECEIVED AUG 20 2018

**Table A. Reporting Deficient Violations**

Date	Parameter	Units	Monitoring Location	Required Monitoring Frequency <sup>2</sup>	Reported Monitoring Frequency	CIWQS
June 2018 <sup>1</sup>	pH,	mg/L	RSW-001 & RSW-002	1/Month	0/Month	1046357
	DO	mg/L	RSW-001 & RSW-002	1/Month	0/Month	
	EC	µmhos/cm	RSW-001 & RSW-002	1/Month	0/Month	
	Hardness	mg/L	RSW-001 & RSW-002	1/Month	0/Month	
	Temperature	°C	RSW-001 & RSW-002	1/Month	0/Month	
	Turbidity	NTU	RSW-001 & RSW-002	1/Month	0/Month	

1. No discharge to Bloods Creek occurred during the monitoring period.

2. According to MRP Provision VII.A.1, Table-E-7 footnote 2, regardless of surface water discharge, the Discharger must conduct monitoring at RSW-001 and RSW-002 once during the month of May and once during month of June.

#### **Comment regarding eSMRs.**

In the June 2018 eSMR cover letter, the Discharger stated that it missed required biochemical oxygen demand (BOD) and total suspended solids (TSS) samples for the monitoring location PND-001. However, footnote 1 of Table E-6 in MRP section VI.A.2 states, "If a discharge to Bloods Creek occurs during the discharge season and the Discharger monitored the effluent discharge for this constituent, the monitoring in Table E-6 is not required for this constituent." According to the eSMRs, there was surface water discharge from 18 April 2018 through 31 May 2018 and the Discharger collected all the required monitoring samples. Therefore, collecting storage pond samples for BOD and TSS were not required in June 2018.

#### **Submittals Required by Surface Water WDRs**

No technical or progress reports were required by WDRs R5-2016-0045-01 during the period reviewed under cover of this letter. The next report required is the *2018 Annual Operations Report*, which is due 30 January 2019.

If you have any questions, please contact Mohammad Farhad at (916) 464-1181 or [mfarhad@waterboards.ca.gov](mailto:mfarhad@waterboards.ca.gov).



KIM SELLARDS, PG, CFE  
Supervisor, Compliance and Enforcement Section



August 30, 2018

Mr. Jim Marshall  
California Regional Water Quality Control Board  
Central Valley Regional  
11020 Sun Center Drive, #200  
Rancho Cordova, CA 95670

**Subject: Order R5-2016-0045-01 MRP Modification Request**

Dear Jim,

The Bear Valley Water District (District) is hereby requesting two changes to Attachment E – Monitoring and Reporting Program of the District's Surface Water WDRs, Order R5- 2016-0045-01 (Order). Specifically, the District is requesting the following:

1. The minimum sampling frequency for effluent monitoring (Table E-3 of the Order) should be reduced from 2/week to 1/week for constituents currently having the 2/week sampling frequency requirement. This request is based on the effluent quality compositing effect of the District's 76.4 million-gallon effluent storage/polishing reservoir; the 20:1 dilution requirement for effluent discharged to Bloods Creek; and the high cost compared to benefit of the 2/week sampling frequency.
2. Footnote 2 of Table E-7 should be deleted because the quality of ephemeral Bloods Creek in May and June in years when the District is not discharging to the creek in these months (for lack of adequate dilution flow in the creek) is not representative of Bloods Creek water quality when there is adequate dilution flow in the creek for effluent discharge.

These requests are discussed in greater detail below.

**REDUCING EFFLUENT MONITORING FROM 2/WEEK TO 1/WEEK**

The basis for the District's request to reduce effluent monitoring (Table E-3 of the Order) from 2/week to 1/week is a matter of cost versus benefit based on consideration of situation-specific factors. Specifically, the District is sufficiently remote that transportation of samples from the District to an ELAP certified laboratory (or lab courier route) is expensive during the winter/spring snowmelt season when effluent discharges are made. At best, the roundtrip transit time to the nearest courier route (Big Trees State Park) is 60 minutes but can be up to 3 hours under heavy snowfall and hazardous road conditions. If we miss the courier for any reason, then we drive the samples to Elk Grove. The staff time, transportation costs, and hazardous driving conditions are the District's real costs associated with effluent sampling.

In addition to these costs, if heavy snowfall is occurring, we have to snowmobile into the effluent sampling house, and at times dig snow to get into the sampling building.

We believe the benefits of 2/week sampling is limited because of the effluent quality composting effect of the District's storage reservoir, and because the discharge is diluted 20:1 with snowmelt water in a flowing mountain stream. The water quality equalizing effects of both the treatment ponds and effluent storage/polishing reservoir are such that effluent quality should not vary materially from day-to-day, or week-to-week, except as a result of an unrepresentative grab samples, e.g., when sampling from a natural pond-like setting, an organic particle of natural origins will get captured in the sample from time to time. Reservoir effluent BOD results from the 2017 and 2018 effluent discharge seasons are shown in Table 1 and show little variation from day-to-day and week-to-week. Elevated effluent BOD values in late June 2017 (a heavy snowfall year necessitating late season effluent discharges) are believed to be a result of increased attached and suspended algae growth associated with the long and warmer days, and lower reservoir volumes associated with that specific discharge period. However, even with seasonal algal interference and/or wind induced roiling and reservoir currents, it is highly unlikely that the BOD of the entire reservoir increased from 6.8 mg/L to 32 mg/L in six days, and then crashed to 15 mg/L the following day. Those two elevated results (and the May 2 and 3 results) cannot be happening in the bulk fluid of the pond, but rather appear to be a result of something happening in the pond localized to the sampling point. However, with the 20:1 dilution requirement, even if the maximum observed effluent BOD concentration of 32 mg/L (6/28/2017) was real and occurred all day, it would correlate to a 5-day BOD increase in the creek of less than 2 mg/L, which could easily be assimilated by a flowing mountain stream at 4°C, not 20°C as used in a BOD test. As we understand biology and ecology, there is no real chance of a measurable impact under "worst-case" non-representative grab sample result conditions in the District's specific discharge situation.

Within this District, 2/week versus 1/week effluent sampling effort is a notable cost difference. The District does not see a commensurate benefit derived from that cost considering the water quality equalizing effect of the reservoir and the 20:1 effluent dilution requirement in a cold, flowing mountain stream. Thus, the District requests that the effluent sampling frequency be reduced from 2/week to 1/week for high cost/low benefit reasons specific to the District's effluent discharge situation. San Andreas Sanitary District is in a similar situation, but without the benefit of the composting effect of an effluent storage reservoir. We note that the San Andreas Sanitary District required effluent monitoring frequency for BOD, TSS, ammonia, pH, total coliform, etc., is 1/week.



**Table 1. Order R5-2016-0045-01 Effluent BOD Results**

Sampling Date	Effluent BOD Result (mg/L)
3/8/2017	6.2
3/9/2017	5.8
3/15/2017	4.8
3/16/2017	3.8
3/22/2017	3.0
3/23/2017	3.1
3/29/2017	3.3
3/30/2019	2.4
4/5/2017	2.5
4/6/2017	2.7
4/12/2017	2.6
4/13/2017	2.6
4/19/2017	2.3
4/20/2017	2.7
4/26/2017	2.4
4/27/2017	2.4
5/3/2017	ND
5/4/2017	ND
5/10/2017	ND
5/11/2017	ND
5/17/2017	ND
5/18/2017	ND
5/24/2017	ND
5/25/2017	2.1
5/31/2017	2.5
6/1/2017	3.7
6/7/2017	2.4
6/8/2017	2.6
6/14/2017	2.1
6/15/2017	2.4
6/21/2017	7.8
6/22/2017	6.8
6/28/2017	32
6/29/2017	15
4/18/2018	5.2
4/19/2018	4.8
4/25/2018	4.3
4/26/2018	3.9
5/2/2018	13
5/3/2018	16
5/9/2018	6.7
5/10/2018	5.8
5/16/2018	5.4
5/17/2018	6.6
5/23/2018	6.9
5/24/2018	6.7
5/30/2018	9.1
5/31/2018	7.4

## DELETING FOOTNOTE 2 OF TABLE E-7

Snow melt season typically can occur as late as June or as early as April, depending on climatic variables. To preserve the natural ecology of the USFS lands irrigated with District effluent to the extent feasible, as well as to preserve the State's freshwater resources to the extent feasible (and in doing so reduce the District's use of fossil fuel and associated air emissions and costs), the District discharges effluent to Bloods Creek if the creek has adequate dilution flow and if the District has effluent in storage. These conditions occur during the Bloods Creek snow melt season.

The District knows that the water quality of ephemeral Bloods Creek is materially different during snow melt (i.e., effluent discharge) season compared to when the creek is seasonally drying up (and effluent discharge is not feasible for lack of adequate dilution water in the creek). Specifically, as the stream dries up after snow melt, extensive blooms of naturally occurring water weeds occur and persist until the stream has little to no flow, just stagnant pools of water. Under these conditions, the stream's dissolved oxygen concentration and pH can swing radically diurnally as a result of in-stream photosynthesis. Atypical temperature swings will also occur. Turbidity may or may not change depending on seasonal algae growth type. The hardness will also be different from snowmelt season because of less direct snow melt runoff (very low hardness in the stream), and because of possible calcium precipitation under elevated pH conditions caused by in-stream photosynthesis. Monitoring Bloods Creek water quality when it does not have adequate flow to allow effluent discharge is not representative of creek conditions when effluent discharges realistically could occur. Non-representative data are of no value to the permitting and compliance mission of the Regional Water Board as the District understands it, and therefore should not be collected.

Based on the foregoing assessment of this specific situation, the District requests that footnote 2 be deleted from Table E-7 of the Order such that receiving water monitoring occurs only under conditions when effluent discharges to Bloods Creek are occurring. Without footnote 2, comparing RSW-001 results to RSW-002 results actually discloses the impact (or lack of impact) the effluent discharge has on the stream.

## SUMMARY

The foregoing represents the District's requests and basis for requesting two revisions to the current Order MRP. The District will provide additional information, if requested, and is willing to discuss this request over the phone, or in person. Please feel free to contact me to discuss this request further.

Sincerely,



Jeff Gouveia, District Manager

c: Eric Zeigler, Stantec Consulting Services

## Jeff Gouveia

---

**From:** Siebal, Danielle@Waterboards <Danielle.Siebal@waterboards.ca.gov>  
**Sent:** Friday, October 12, 2018 10:58 AM  
**To:** Jeff Gouveia  
**Cc:** Jimmerson, Dania@Waterboards; Holmes, Kari@Waterboards; Farhad, Mohammad@Waterboards  
**Subject:** Bear Valley NPDES Permit Change Requests

Hello Jeff,

My name is Danielle, I work with Dania in the NPDES permitting unit. I'm assisting her with the requests from your district, regarding reducing some effluent sampling from twice/week to once/week and removing the requirement to monitor Bloods Creek in May and June regardless of flow in the creek. It sounds like a full permit amendment may not be necessary at this time, and you can make your requests through Compliance and Enforcement instead. We will address these items in the next permit renewal but for now, Compliance and Enforcement can work with you to allow some changes or exceptions to the monitoring requirements in the current permit.

Please send an email with your requests to Mr. Mohammad Farhad in Compliance and Enforcement. I've cc'd him here so he is aware.

Thank you,

Danielle Siebal, P.E.  
NPDES Permitting  
San Joaquin/Delta Unit  
Central Valley Regional Water Quality Control Board  
Phone: (916) 464-4843  
[danielle.siebal@waterboards.ca.gov](mailto:danielle.siebal@waterboards.ca.gov)



## Jeff Gouveia

---

**From:** Jimmerson, Dania@Waterboards <Dania.Jimmerson@waterboards.ca.gov>  
**Sent:** Wednesday, November 14, 2018 7:38 AM  
**To:** Jeff Gouveia  
**Cc:** Jimmerson, Dania@Waterboards; Holmes, Kari@Waterboards  
**Subject:** RE: Bear Valley NPDES Permit Change Requests

Good morning Jeff,

I have not talked to Kari about this, and I was out of the office yesterday. All what I know is that we are going to put the amendment as part of my work plan for next fiscal year. Thus, it could be that the item will go for the August 2019 Board Meeting, but I do not know this for sure. Kari will have a better idea of this since she is putting together the work plan for the next fiscal year. I think she is out sick today. As soon as she back in the office I will send you a confirmation email of when your permit amendment is scheduled for adoption and if the letter is still necessary as an additional measure until your permit is amended.

Would you mind send me the follow up email that you sent to Kari on late October? In the future, if you could please cc me on all emails will make it easier for me to keep track of the records and pending items.

Thank you

Dania

**From:** Jeff Gouveia <Jeff.Gouveia@bvwd.ca.gov>  
**Sent:** Tuesday, November 13, 2018 12:11 PM  
**To:** Jimmerson, Dania@Waterboards <Dania.Jimmerson@waterboards.ca.gov>; Jeff Gouveia <Jeff.Gouveia@bvwd.ca.gov>  
**Subject:** RE: Bear Valley NPDES Permit Change Requests

Hi Dania,

Hope all is well !

I had a nice conversation with Kari in early October after you put the two of us in touch and she did resolve the compliance and enforcement concerns I had surrounding reduced monitoring in the spring without an actual amendment in place.

However, I sent her a follow up email in late October looking for an update and never heard back. I know how busy you all are and that this is not a high priority. I'm meeting with my Board this coming Monday and hope to provide as accurate and timely an update as I can and wondered if you might have any new information ?

Kari did indicate that she felt a letter in our file preemptively describing the enforcement approach would be the right solution but it was not clear when this letter may be produced.

Any updates if available would be helpful.

Thanks again !

---

Jeff Gouveia | General Manager |









**From:** Tom Daugherty <tomd@tpenv.com>  
**Sent:** Friday, October 5, 2018 11:45 AM  
**To:** Jeff Gouveia; Guy West  
**Subject:** RE: Site visit debrief

Jeff,

Thank you for the additional testing information. I just returned home after four days at WEFTEC in New Orleans. I met with our tertiary polishing guy and discussed your application with my colleagues. The long and short is we would model 40-60% reduction of algae and would recommend a chemical feed system to support precipitation to create filterable solids on an ad hoc basis – likely late summer. The sizing of a filter could actually be a slipstream flow that is re-blended for a final effluent that maintains permit values and reduces CAPEX costs.

However, we are not completely convinced at this juncture that tertiary filtration is the best technology addition for BVWD for the following reasons.

- 1) The current aeration system is quite aged. Likely, the diffusers have become rigid and inflexible and several are obviously plugged with no diffusion patterns. Their life span is near the end. Increased back pressure is likely occurring or will trend up which will stress the blower more and eventually may engage the pressure relief valve. Currently, the blower is turned on-off every 20 minutes as I understand it which is not recommended for maximum blower life. Our bias is blower cycling should be at a minimum daily but we do see 4-hour cycling a lot or use of VFDs for turndown.
- 2) It is arguable that sludge is compiling where the current diffusers are currently inoperable and in the quiescent zone. Solids release may be contributing to the TSS excursions.
- 3) Maintaining 2.0 mg/L DO at mid water depth insures a healthy system and can minimize algae buildup.
- 4) Your BOD values are very good and we believe the low numbers are largely attributable to significant HRT. The chart below is found at this link <http://www.triplepointwater.com/troubleshooting-high-pond-tss/#.W7eknGhKjIU>

BVWD falls into the 3.0:1 TSS to BOD ratio which suggests algae and old sludge as TSS contributors. As I mentioned during our discussions, a 1.5 to 1 ratio of TSS to BOD is a normal range. Optimally, we recommend measures to normalize this ratio in-pond vs. treating it on the backside.

TSS to BOD5 ratio	Causes
<1	old sludge solubilization and release of soluble BOD5 nitrification in the BOD5 test bottle
1	poor treatment or short circuiting with untreated wastewater mixing with the effluent
1.5	normal for most pond systems
2.0-3.0	algal overgrowth, loss of old sludge particles



- 5) This link discusses algae control and more or less suggests to examine mixing capability and DO profile, the hallmarks of Triplepoint aeration. <http://www.triplepointwater.com/wastewater-lagoon-algae-control/#.W7ekJGhKjIV>
- 6) We are leaning that the District consider first an aeration upgrade prior to tertiary installation as the TSS problem could very well be rectified with increased mixing, O2 transfer and normalized TSS:BOD ratios. A tertiary filter will aid the District as the pond system exists today but I believe you need to upgrade aeration very soon even though you may be able to squeeze a few more years.
- 7) Please review these remarks and the web links and then let's discuss. If tertiary is the direction, we would prescribe some water sampling as mentioned to establish design criteria.

Thx,  
Tom

---

**From:** Jeff Gouveia [mailto:Jeff.Gouveia@bvwd.ca.gov]  
**Sent:** Monday, October 1, 2018 10:41 AM  
**To:** Tom Daugherty; Guy West; Jeff Gouveia  
**Subject:** RE: Site visit debrief

Hi Tom,

I'll follow your lead on this.

If you think we should perform a jar test, particle size analysis and maybe speciation test, let's try and do this soon as temps are quickly changing here and I imagine we will see the algae dye off by the end of the month.

The change of seasons combined with the application of the Aqua Fix products recently appear to have the TSS values beginning to trend lower.

Also, we have performed some speciation and particle size analyses both earlier this summer and back in 2016 provided by Environmental Leverage out of Illinois who has been our bio augmentation supplier for the past few years. I've attached results from both events and perhaps you'll find this data interesting and it could answer some initial questions.

Let me know when you'd like to get some samples going.

Thanks !

---

**Jeff Gouveia | General Manager |**  
Bear Valley Water District  
441 Creekside Drive | PO Box 5027, Bear Valley, CA 95223 |  
O: 209.753.2112 | C: 209.743.0836 | F: 209.753.6267  
[Jeff.Gouveia@bvwd.ca.gov](mailto:Jeff.Gouveia@bvwd.ca.gov) | [www.bvwd.ca.gov](http://www.bvwd.ca.gov) |



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ü Please consider the environment before printing this email.

**From:** Tom Daugherty [mailto:tomd@tpenv.com]  
**Sent:** Sunday, September 30, 2018 3:58 PM  
**To:** Jeff Gouveia  
**Subject:** Site visit debrief

Jeff,

It was nice putting a face with a voice last week and visiting your facility. I think we should do a little more research before quoting a tertiary filter for solids reduction. With low to non-detect BOD effluent values contrasted with higher TSS effluent values and given the time of the year, it is highly likely (as we discussed) that the TSS excursion is from algae. What I didn't mention is that under these conditions, the algae may be microscopic and therefore potentially more difficult to filter – without proper sizing and/or jar testing for coagulant aid. I think it will be prudent to do a particle size analysis test to determine filterability.

I am also assuming the TSS is from algae. We have also observed suspended solids spikes from pond bottom solids release suggesting a speciation test on the effluent might be prudent also.

I just arrived in New Orleans and will be at the WEFTEC conference through Wednesday. Let me visit with my colleagues and our filter mfgs and I will come back to you on what I believe are next steps.

Thx,

**Tom Daugherty**  
**208-699-7090**  
Triplepoint Environmental  
[www.tpenv.com](http://www.tpenv.com)

# LAGOONS

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## Jeff Gouveia

---

**From:** Tom Daugherty <tomd@tpenv.com>  
**Sent:** Thursday, November 8, 2018 9:52 AM  
**To:** Jeff Gouveia  
**Cc:** Guy West  
**Subject:** RE: Site visit debrief  
**Attachments:** IMG\_2212 (2).JPG

Jeff,

One word: Illuminating! Like searching for sunken treasure. Good low pool pics! The inlet/outlet locations now make complete sense with regard to having a baffle. Without a baffle the pond would short circuit from inlet to outlet and basically be a nonfunctioning pond. The solids accumulation at the far end indicates the baffle (even though old and decrepit) is still fundamentally doing its job. A new baffle however should reach the top of the water line and have a window at the far end to keep the circular flow pattern and maintain complete HRT – versus the likelihood of some water bridging over the current baffle at full pool.

According to the solids distribution diagram (this is excellent forensics that many small plants don't bother with) there is accumulation at the inlet, in the far end and corners and half way back on the outlet side. This is likely where TSS excursions come from. It would be interesting to Secchi Disk profile either side within 10' of the baffle.

I am sending over the sludge profile and layout drawing to our design engineer to review our most recent aeration proposal.

On sidebar, an incremental item that might help your pond a bit is splitting the influent similar to the attached picture. The pic is from Bishop, CA. The pond used to have one inlet and experienced solids bridging and increased laminar flow. They were able to devise a floating ABS manifold to spread out the loading, slow down laminar forces and achieve increased BOD reduction in Cell 1 of a multi cell system. Something to ponder down the road.

Thx,  
Tom

---

**From:** Jeff Gouveia [mailto:Jeff.Gouveia@bvwd.ca.gov]  
**Sent:** Monday, November 5, 2018 12:10 PM  
**To:** Tom Daugherty; Jeff Gouveia  
**Subject:** RE: Site visit debrief

Tom,

Also, attached are some sludge measurements we recently performed as well as some photos of the lagoon drawn down to locate the inlet and outlet locations and the old diffuser we extracted.

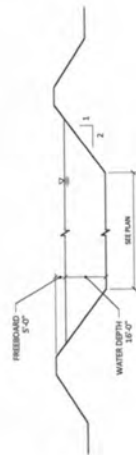
I thought this information would be helpful and maybe interesting.

Thanks.



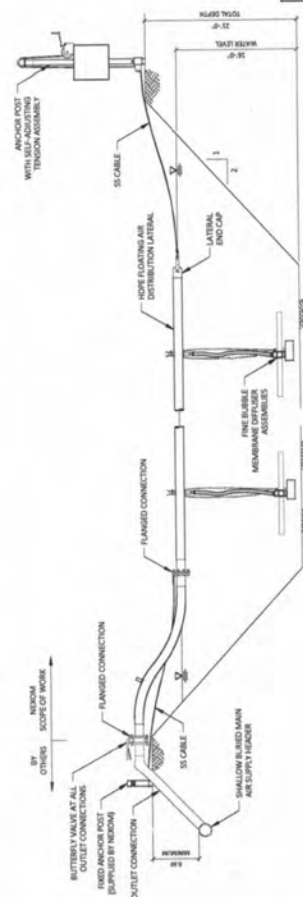


NOTES



**TYPICAL SECTION - AERATED CELLS**

SCALE: N.T.S.



## AERATED LAGOON SECTION

JAGUO  
SCALE IN Y.S.

**LOCATION PLAN**  
SCALE: 1:750

SCALE 1:7500

5 Burks Way  
Winnipeg, Manitoba  
Canada R2J 3R8  
888-426-8180  
[www.nexom.com](http://www.nexom.com)

**Nexom**  
technologies for cleaner water

PROJECT NO.		BEAR VALLEY, CA	
PROJECT NAME		PROPOSED WASTEWATER TREATMENT SYSTEM	
<div style="text-align: center;">OPTIAER SYSTEM</div> <div style="text-align: center;">AERATION LAYOUT, TYPICAL SECTION, LOCATION PLAN</div>			
DATE	SHEET NO.		
2018/10/09	MR	AS NOTED	0
2018/10/09	MR	AS NOTED	0

BEAR VALLEY, CA

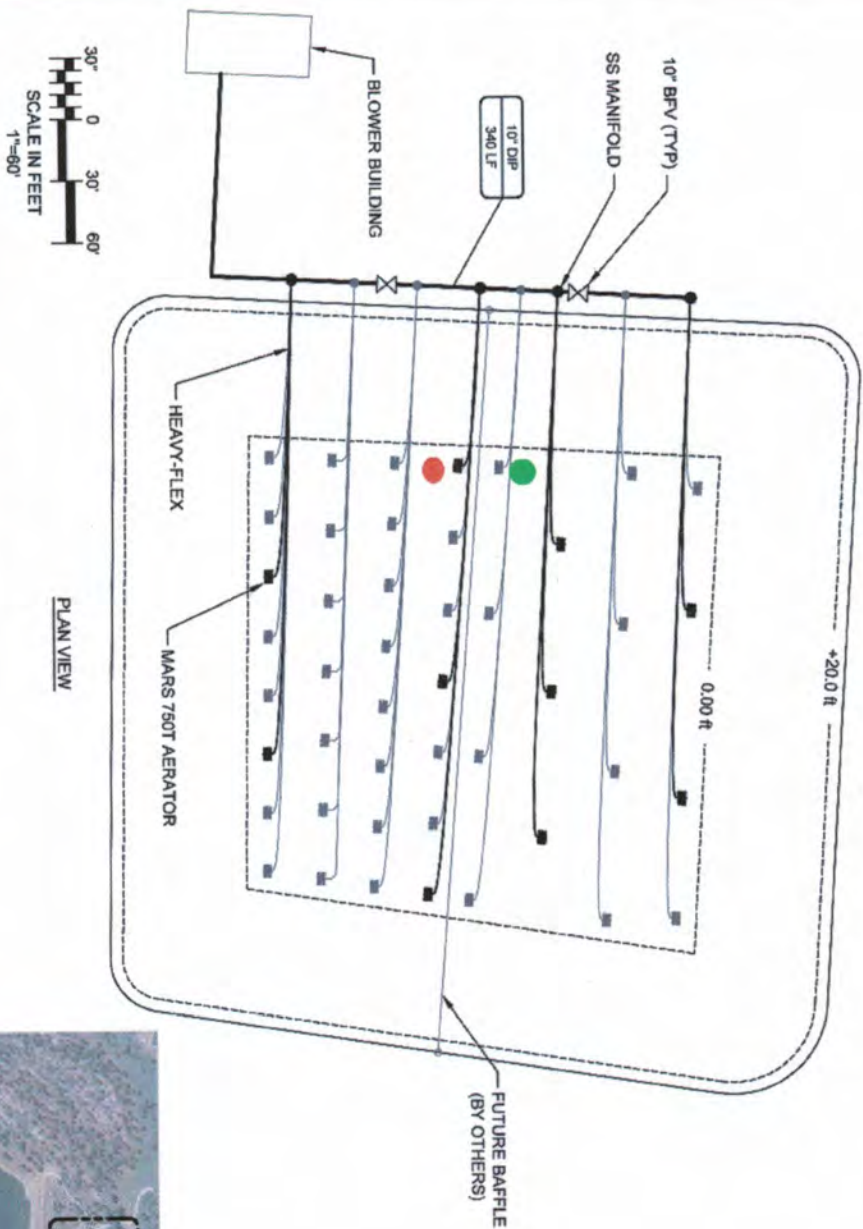
## TYPICAL SCOPE OF SUPPLY

ITEM	DESCRIPTION	TPE	BYO
1	BLOWERS		X
2	BLOWER PADS		X
3	HEADER PIPING & VALVES		X
4	LATERALS AND/OR RISER STUBS		X
5	AERATOR CONTROL MANIFOLDS	X	
6	AERATOR CONTROL VALVES	X	
7	FLEXIBLE TUBING	X	
8	AERATORS	X	

TYPE = TRIPLEPOINT ENVIRONMENTAL  
BYO = BY OTHERS

NOTE: This scope of supply is typical. Check quotation from Triplepoint Environmental, LLC for complete scope of supply.

1. NOTES:
2. THESE TYPICAL ARRANGEMENT DRAWINGS ARE INTENDED FOR PLANNING PURPOSES TO GIVE A GENERAL OVERVIEW OF THE VARIOUS INSTALLATION OPTIONS THAT ARE AVAILABLE WITH THE TRIPLEPOINT AERATION SYSTEM.
3. TYPICAL ARRANGEMENTS MAY NEED TO BE ALTERED SIGNIFICANTLY FOR PROJECT SPECIFIC APPLICATIONS. IT IS RECOMMENDED THAT HEADER PIPE BE BURIED OR INSTALLED ON FLAT SURFACE OF BERM. ADDITIONAL PIPE SUPPORT WILL BE REQUIRED FOR INSTALLATION OF HEADER ON SLOPED PART OF BERM.
4. EXPANSION JOINTS, ISOLATION JOINTS, PIPE RESTRAINTS, AND PIPE SUPPORTS MAY BE REQUIRED. CONTRACTOR SHALL CONTACT EQUIPMENT MANUFACTURER FOR REQUIREMENTS AND SPECIFICATIONS.
5. HEADER AND LATERAL PIPE OPTIONS INCLUDE: BURIED, EXPOSED, FLOATING OR SUBMERGED
6. EXISTING CONDITIONS ARE TAKEN FROM AERIAL PHOTOGRAPHS, FIELD OBSERVATIONS, AND/OR PRIOR CONSTRUCTION DOCUMENTS, WHEN AVAILABLE.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS.



MATERIALS - BY PHASE			
	PHASE 1	PHASE 2	TOTAL
AERATORS	10	35	45
FLEX TUBE (LF)	2000	7000	9000
MANIFOLDS	4	4	8

\*PHASE 1 SHOWN FULL-TONE; PHASE 2 HALF-TONE.



### SITE LOCATION

NTS

**PRELIMINARY  
INFORMATION ONLY  
Do Not Use For Construction**

### PRELIMINARY AERATION LAYOUT

BEAR VALELEY, CA  
PROPOSED AERATION  
IMPROVEMENTS

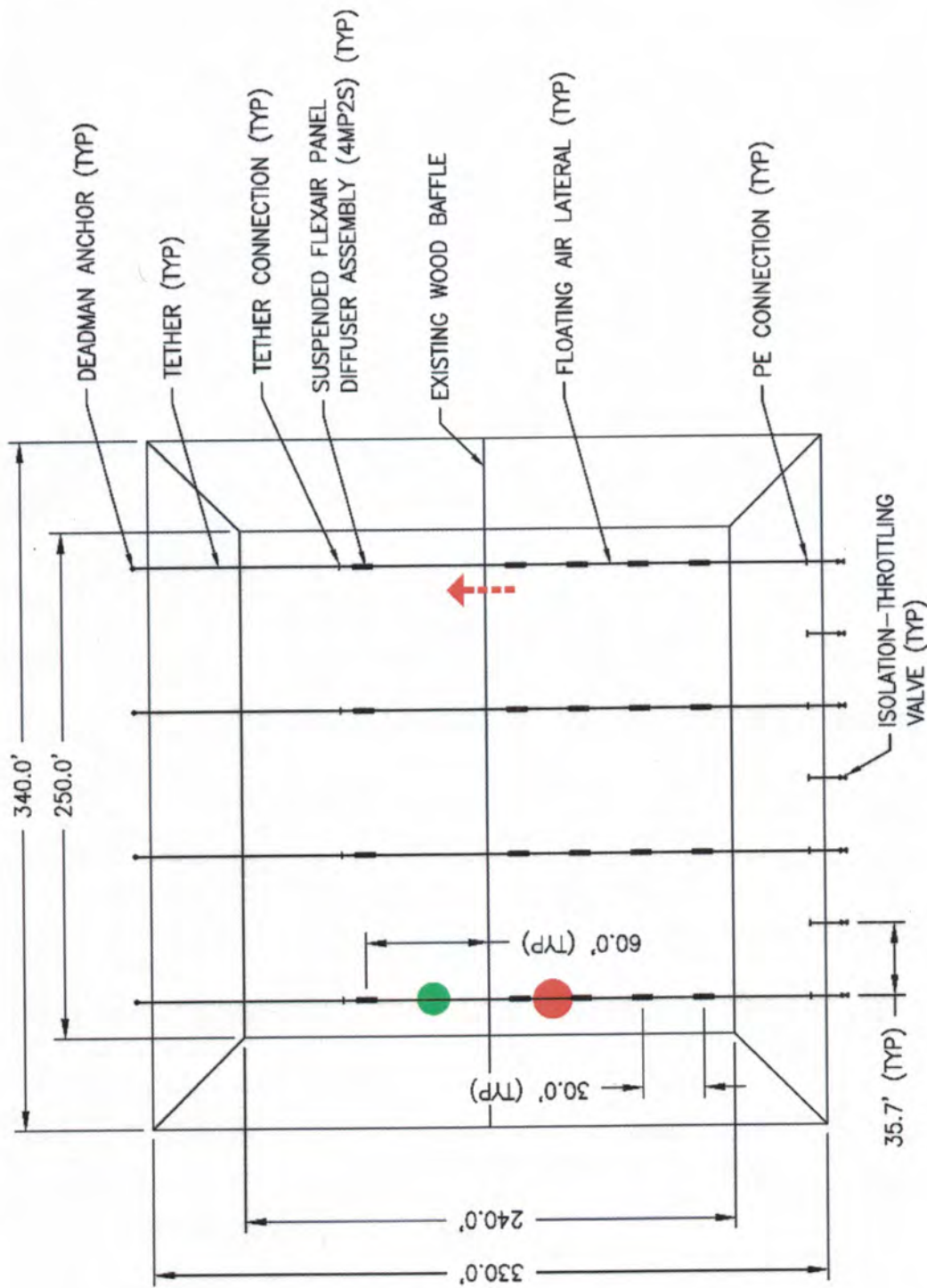
REVISIONS		
DATE	DESCRIPTION	BY
8/21/78	PRELIMINARY REVISION LAYOUT	A

DESIGN: \_\_\_\_\_
 DRAWN: \_\_\_\_\_

**TRIPLEPOINT  
ENVIRONMENTAL, LLC**  
1140 N. LAKE STREET, SUITE 200, OAK PARK, IL 60301  
(312) 436-6036 FAX (312) 857-0711







# NOTES:

1. SIDE WATER DEPTH IS 15.0 FT.  
DIFFUSER DEPTH IS 13.0 FT.
2. TOTAL = 20 SUSPENDED FLEXAIR  
PANEL DIFFUSER ASSEMBLIES  
(4MP2S).
3. 1 OF 1 BASIN SHOWN.

**TITLE**  
BEAR VALLEY, CA

**DESCRIPTION:**

ED1 FLEXAIR® AERATION-MIXING SYSTEM  
PROJECT ID: SHEET NO: 1 OF 1 DWG NO: 150588

**FOR:** JDS  
**BY:** JKM  
**DATE:** 8/2/18  
**SCALE:** 1"=80'

**ENVIRONMENTAL DYNAMICS INT'L**  
6601 PARIS ROAD  
COLUMBIA, MISSOURI 65202  
PHONE: 573-474-9456  
FAX: 573-474-6988  
WWW.WASTEWATER.COM



REV.	DATE





## Meeting Agenda

## BVWD Inundation Study Kickoff

**Project Name:** Bear Valley SH Dam Inundation Study

**Meeting Date / Time:** 11:00am September 24, 2018

**Meeting Location:** Skype Meeting 1-855-632-3486 Conference ID 8133472

**Client:** Bear Valley Water District

**Mead & Hunt Proj. No.:** R4583100-180960.01

### Attendees:

Company Name	Staff Names
Mead & Hunt	Ryan Greif, Lalitha Benjaram, Megan LeRoy
CCWD	Jeff Gouveia

### 1. Introductions

### 2. Project Review

#### a. Regulatory framework

- i. Final regulations pending, expected to be effective in October
- ii. Reservoir volume should be as-constructed, no reduction for sedimentation
- iii. One map set: arrival times, max depth, peak velocity.
- iv. No deflood times provided (maps or digital raster files).

#### b. Project Approach

- i. Existing data review
  1. Building footprints layer available.
  2. Terrain data more recent/better than the USGS 1/3 arc second data?
- ii. Hydraulic analysis
- iii. Mapping and reporting
- iv. Review process (per deliverables and schedule below)

#### c. Deliverables

- i. Draft and final technical memorandum and inundation maps to District (Word, PDF)
- ii. Draft inundation maps and technical memorandum to DSOD (1 hard copy, PDFs) with digital files
- iii. ***Final DSOD-approved report, maps, and digital files to District (PDF and electronic files)***

#### d. Schedule

- i. Draft deliverables .....4 months after final regulations adopted (TBD)
- ii. Draft deliverables to DSOD ..... 1 month after receiving District comments
- iii. DSOD review.....(unknown duration)

- iv. Final deliverables to District .....1 month after receiving DSOD approval
- v. EAP with DSOD-approved inundation study to CalOES.....**January 1, 2021**

**3. Roles and Responsibilities**

- a. District staff
- b. Mead & Hunt staff
- c. Communication protocol

**4. Action Items/Next Steps**

- a.

Respectfully Submitted,  
Ryan Greif 916-993-4647

*Note: Any comments or corrections related to the items above should be brought to the attention of Mead & Hunt.*

**Distribution:** All Attendees

## Jeff Gouveia

---

**From:** Ryan Greif <ryan.greif@meadhunt.com>  
**Sent:** Tuesday, October 30, 2018 10:21 AM  
**To:** Jeff Gouveia  
**Subject:** RE: Bear Valley WD

Hi Jeff,

I think we can move ahead with what we have for elevation data – thank you for looking into it and making sure we were not missing something obvious. Per our last discussion, there is some LiDAR data that was published after we set up this project, which I have incorporated. It extends from the dam down to the Stanislaus River.

I checked today, and the final regulations are still not posted on the DSOD website. If you look under 'Inundation Map Regulations' at the link below, you can see the current status:

<https://water.ca.gov/Programs/All-Programs/Division-of-Safety-of-Dams/Statutes-and-Regulations>

---

### **Ryan Greif, PE, CFM | Water Resources**

Mead & Hunt | 180 Promenade Circle, Suite 240 | Sacramento, CA 95834  
Direct: 916-993-4647 | Main: 916-971-3961  
[ryan.greif@meadhunt.com](mailto:ryan.greif@meadhunt.com) | [www.meadhunt.com](http://www.meadhunt.com) | [Streamline blog](#)

---

**From:** Jeff Gouveia <Jeff.Gouveia@bvwd.ca.gov>  
**Sent:** Tuesday, October 30, 2018 9:41 AM  
**To:** Ryan Greif <ryan.greif@meadhunt.com>; Jeff Gouveia <Jeff.Gouveia@bvwd.ca.gov>  
**Subject:** RE: Bear Valley WD

Hi Ryan,

So I've not had much luck locating any better elevation data. Where does this leave us in terms of moving forward on this analysis ?

And, what is the status of the final DSOD regulations ? Have they been released yet ?

Thanks !

---

### **Jeff Gouveia | General Manager |**

Bear Valley Water District  
441 Creekside Drive | PO Box 5027, Bear Valley, CA 95223 |  
O: 209.753.2112 | C: 209.743.0836 | F: 209.753.6267  
[Jeff.Gouveia@bvwd.ca.gov](mailto:Jeff.Gouveia@bvwd.ca.gov) | [www.bvwd.ca.gov](http://www.bvwd.ca.gov) |



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





Remit payment to:  
Mead & Hunt | Accounts Receivable  
2440 Deming Way | Middleton, WI 53562-1562  
1-888-364-7272 | AccountsReceivable@meadhunt.com

## Invoice

October 17, 2018

Project No: R4583100-180960.01

Invoice No: 284213

Jeff Gouveia  
Bear Valley Water District  
441 Creekside Drive  
Bear Valley, California 95223

Project R4583100- BVWD Bear Valley SH Dam Inundation Map  
180960.01

6/13/18 Contract

**Professional Services from September 1, 2018 to September 30, 2018**

### Fee

Phase	Fee	Percent Complete	Earned	Current
Lump Sum	19,614.00	7.668	1,504.00	1,504.00
Total Fee	19,614.00		1,504.00	1,504.00
	Previous Fee Billing		0.00	
	Total			1,504.00
		Total this invoice		\$1,504.00

RECEIVED AUG 21 2018



FEMA

August 17, 2018

Brian Peters  
Community Development Director  
Alpine County  
50 Diamond Valley Road  
Markleeville, CA 96120

Dear Mr. Peters:

We have completed our final review of the *Alpine County Multi-Jurisdictional Hazard Mitigation Plan*, officially adopted by Alpine County on August 7, 2018, and found the plan to be in conformance with Title 44 Code of Federal Regulations (CFR) Part 201.6 *Local Mitigation Plans*. A list of the status of participating jurisdictions is enclosed with this letter.

The approval of this plan ensures Alpine County's continued eligibility for project grants under FEMA's Hazard Mitigation Assistance programs, including the Hazard Mitigation Grant Program, Pre-Disaster Mitigation Program, and Flood Mitigation Assistance Program. All requests for funding, however, will be evaluated individually according to the specific eligibility, and other requirements of the particular program under which applications are submitted.

Also, approved hazard mitigation plans are eligible for points under the National Flood Insurance Program's Community Rating System (CRS). Additional information regarding the CRS can be found at <https://www.fema.gov/national-flood-insurance-program-community-rating-system> or through your local floodplain manager.

FEMA's approval of the *Alpine County Multi-Jurisdictional Hazard Mitigation Plan* is for a period of five years, effective starting the date of this letter. Prior to August 17, 2023, Alpine County and all participating jurisdictions are required to review and revise the plan to reflect changes in development, progress in local mitigation efforts, and changes in priorities, and resubmit it for approval in order to continue to be eligible for mitigation project grant funding. The enclosed plan review tool provides additional recommendations to incorporate into the plan during the plan maintenance process.

If you have any questions regarding the planning or review processes, please contact Alison Kearns, Senior Community Planner, at (510) 627-7125 or by email at [alison.kearns@fema.dhs.gov](mailto:alison.kearns@fema.dhs.gov).

Sincerely,

Juliette Hayes  
Director  
Mitigation Division  
FEMA, Region IX

Enclosure

cc: Julie Norris, Mitigation and Dam Safety Branch Chief, California Governor's Office of Emergency Services  
Jennifer Hogan, State Hazard Mitigation Officer, California Governor's Office of Emergency Services

Status of Participating Jurisdictions as of August 17, 2018

Jurisdictions – Adopted and Approved

#	Jurisdiction	Date of Adoption
1	Alpine County	8/7/2018
2	Alpine County Unified School District	8/14/2018
3	Bear Valley Water District	6/11/2018
4	Kirkwood Meadows Public Utility District	8/11/2018
5	Markleeville Public Utility District	7/21/2018

Jurisdictions – Approvable Pending Adoption

#	Jurisdiction





RECEIVED AUG - 7 2018

## Lake Alpine Water Company

August 1, 2018

Dear Business Owner at Bear Valley Water District,

Lake Alpine Water Company (LAWC) has requested authority from the CALIFORNIA PUBLIC UTILITIES COMMISSION (Commission) through Advice Letter 116 to increase its water rates by \$111,424 or 21% in Test Year 2018 over present rates. The last general rate increase became effective December 20, 2010 pursuant to Resolution W-4856. The increase is necessary to offset higher operating expenses and to provide a reasonable rate of return on utility plant investments for maintenance and replacement.

Currently, your business has a 3/4 inch connection with an \$106.45 monthly service charge. If the rate increase were to take effect, your new monthly service rate would be \$128.19 per month for an increase of \$21.74.

The current rate for metered water quantity is \$6.36 per CCF. The requested rate is \$7.79 per CCF. Based on your average monthly use of 2 CCF, this would be an increase of \$2.86 per month.

I hope that this information on rates and use is helpful to understanding the effects of a rate increase on your business's budget. The CPUC will review our request and make their determination on rates before the end of the year. Please review the enclosed public notice for additional details as well as contact information for making a comment or protest.

Thank you-

Kimi Johnson

General Manager, LAWC

RECEIVED AUG - 7 2018

August 1, 2018

## NOTICE OF REQUEST FOR A RATE INCREASE

### Proposal

Lake Alpine Water Company (LAWC) has requested authority from the CALIFORNIA PUBLIC UTILITIES COMMISSION (Commission) through Advice Letter 116 to increase its water rates by \$111,424 or 21% in Test Year 2018 over present rates. The last general rate increase became effective December 20, 2010 pursuant to Resolution W-4856. The increase is necessary to offset higher operating expenses and to provide a reasonable rate of return on utility plant investments.

Although the 2010 General Rate Case (GRC) provided an approved revenue of \$612,500, LAWC has collected less than \$555,000 in revenues each year for the following reasons:

1. In 2010, there were 496 customers comprising 565 meter-equivalents. There are now 486 customers comprising 536 meter-equivalents. Rates need to be adjusted to recover the revenues from fewer customers.
2. In 2010, the estimated water sales in CCF was 18,375. Average annual metered water use is now 10,437. Rates need to be adjusted to recover the revenues from less metered quantity.

The following events and factors have also influenced the financial position and plant base of LAWC.

1. Shortly after the 2010 GRC, LAWC was engaged in a legal proceeding originating from Application: 11-04-013. LAWC choose not to file for a GRC until the proceedings were over. The final decisions were released in December 2016.
2. In August 2016, the Commission's Division of Water and Audits audited the 2014 and 2015 annual reports filed by LAWC. This was the first Commission audit for LAWC. Several adjusting entries were made to the accounts of plant in service, accumulated depreciation and amortization resulting in changes to LAWC's asset base for rate making purposes.
3. While LAWC has endeavored to decrease and control expenses of labor, chemicals, office supplies and materials; other expenses such as dam fees, insurance, employee benefits, state-required water sampling and property tax have increased and are outside our control.
4. Changes in our treatment process have associated expense changes. Chemical and labor costs decreased while sampling and power costs increased.

### Customer Impact

<u>Quantity Rate:</u>	<u>Present Rates</u>	<u>Proposed Rates</u>
All usage per 100 cu.ft.	\$ 6.36	\$ 7.79
<u>Service Charge:</u>	<u>Per Meter per Month</u>	
	<u>Present Rates</u>	<u>Proposed Rates</u>
For 5/8x3/4-inch meter	\$ 70.96	\$ 85.46
For condo unit service	70.96	85.46
For 3/4-inch meter	106.45	128.19
For 1-inch meter	177.41	213.65
For 1-1/2-inch meter	354.82	427.30
For 2-inch meter	567.71	683.68
For 3-inch meter	1064.45	1281.91
For 4-inch meter	1774.09	2136.51



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For 2-inch meter	567.71	683.68
For 3-inch meter	1064.45	1281.91
For 4-inch meter	1774.09	2136.51



### **Summary**

The Annual Service Charge is applicable to all metered service. It is a readiness to serve charge.

The metered quantity rate is added to the service charge.

All customers also pay the Safe Drinking Water State Fund surcharge, currently \$26.02 per month per residence.

The Commission regulatory oversight fee is 1.4% of all these charges.

A monthly bill for a residence with a typical 2 CCF of water use per month would be \$128.84.

### **Commission Process**

The Commission staff will make a thorough investigation of the utility's request. Following the investigation, the Commission may grant the utility's request in whole or in part or may deny it. It may also order the utility to charge rates different from those shown in this notice.

California law requires the company to show to the Commission's satisfaction that an increase is justified before it may raise its rates. Customers who would like to call the Commission's attention to any problems concerning their water service, or who would like to provide any other information or comments regarding this requested increase should do so at the public meeting and/or should write to the Commission.

There are two ways to respond to this notice. You may send a protest to the Commission and, if you do, you must send a copy of the protest to LAWC, or you can send a response to the Commission.

### **Protests and Responses**

A protest is a document objecting to the granting in whole or in part of the authority sought in this advice letter filing. A response is a document that does not object to the authority sought, but nevertheless presents information that the party tendering the response believes would be useful to the Commission in acting on the request.

A protest must be mailed within 20 days of the date of this notice. A protest must state the facts constituting the grounds for the protest, the effect that approval of the advice letter might have on the protestant and the reasons the protestant believes the advice letter or part of it is not justified. If the protest requests an evidentiary hearing, the protest must state the facts the protestant would present at an evidentiary hearing to support its request for whole or partial denial of the advice letter.

All protests or responses to this filing should be sent to both of the following addresses and should mention that they pertain to **Lake Alpine Water Company 2018 General Rate Case**

California Public Utilities Commission  
Water Utilities Division  
505 Van Ness Avenue  
San Francisco, CA 94102  
E-mail: water.division@cpuc.ca.gov

AND

Lake Alpine Water Company, Inc.  
PO Box 5013  
Bear Valley, CA 95223  
E-mail: info@lakealpinewater.com

Comments must be sent no later than twenty (20) days after the date of this notice was sent.

If you have not received a reply to your protest from the utility within 10 business days, contact Kimi Johnson at (209) 753-2409.

A copy of the Lake Alpine Water Company filing may be inspected in the utility's business office at 3 Bear Valley Road, Suite 109 Bear Valley, CA 95223; by calling (209) 753-2409 or emailing info@lakealpinewater.com, you may request a copy to be mailed to you.

**PUBLIC UTILITIES COMMISSION OF THE STATE OF CALIFORNIA**

**WATER DIVISION**

**RESOLUTION W-5175**

**October 11, 2018**

**RESOLUTION**

**(RES. W-5175) LAKE ALPINE WATER COMPANY. ORDER  
AUTHORIZING A GENERAL RATE INCREASE TO  
PRODUCE ADDITIONAL ANNUAL REVENUES OF  
\$102,300, OR 18.8%, FOR TEST YEAR 2018, TO BE PAID BY  
THE RATEPAYERS.**

---

**SUMMARY**

By Advice Letter 116-W, filed on July 27, 2018, Lake Alpine Water Company seeks to increase its gross annual revenues by \$90,300, or 16.6%, for Test Year 2018. Lake Alpine Water Company's rate increase request is based upon an increase in operating expenses.

For Test Year 2018, this resolution grants Lake Alpine Water Company an increase in gross annual revenues of \$102,300, or 18.8%, which is estimated to provide total annual revenues of \$645,510 based on a Rate of Margin (ROM) of 24%. The monthly bill for an average customer with a 5/8 x 3/4-inch metered residential customer using 2 CCF per month would increase from \$83.68 to \$101.04, or 20.7%.

The difference between the utility request and the recommended increase is due to the inclusion of an interest expense in revenues.

**BACKGROUND**

Lake Alpine Water Company (Lake Alpine) is a Class D water utility that has requested authority under General Order 96-B, General Rule 7.6.2, Water Industry Rule 7.3.3(5), and Public Utilities Code Section No. 454 to increase its water rates by \$90,300 or 16.6%, for Test Year (TY) 2018.

The last general rate increase (GRC) was granted on December 17, 2009, pursuant to Resolution (Res.) W-4809, which authorized a rate increase of \$97,356, or 18.9%, resulting in a Rate of Return of 13.25% for TY 2009.

Lake Alpine obtains its water supply from Bear Lake. It also has water rights to Bear Creek and diverts water from there to Bear Lake as the need arises. Lake Alpine has three storage tanks which are all fully operational. The Clear-Well redwood storage tank, which has a storage capacity of 200,000 gallons with a flow rate of 833 gallons per minute (GPM), feeds the other two tanks and distributes water to the service area. The Block-Ridge redwood storage tank has a capacity of 100,000 gallons with a flow rate of 416 GPM, and the Spring-Cliff bolted steel tank has a capacity of 300,000 gallons with a flow rate of 1,250 GPM.

Lake Alpine serves 489 metered service connections. Lake Alpine's service area is located approximately three miles west of Lake Alpine adjacent to State Highway 4 in Alpine County.

## **NOTICE AND PROTESTS**

A notice of the proposed rate increase was mailed to all customers on August 2, 2018. One protest was received which generally opposed the proposed increase and the nature of the advice letter filing. Accordingly, Lake Alpine responded timely to the protest in writing.

## **DISCUSSION**

The Water Division (Division) made an independent analysis of Lake Alpine's rate increase request. Appendix A shows Lake Alpine's and the Division's estimates of the summary of earnings at present, requested, and recommended rates. Division is in concurrence with Lake Alpine's estimates in operating revenues, expenses, and rate base. Division reviewed operating revenues and expenses including employee labor, materials, contract work, water testing, transportation expenses, other plant maintenance, office salaries, office supplies and expenses, insurance, general expenses, depreciation, and taxes other than income. Division verified the operating expenses by reviewing supporting documents for substantiation and accuracy and included the amounts that were deemed reasonable and prudent. The ratebase and the adopted quantities contained in Appendix D are also updated to reflect TY 2018.



### Operating Revenues

Lake Alpine's operating revenues consist of general metered sales. There are currently 489 active service connections, four private fire connections, and a connection for snow making water service to the Bear Valley Ski Company.

### Operating Expenses

#### Interest Expense Adjustment

The Uniform System of Accounts (USOA) for Class B, C, and D Water Utilities,<sup>1</sup> Account No. 427, permits adjustments for Interest Expense for interest accrued on long-term debt, Safe Drinking Water Bonds Act loans, and other liabilities. Lake Alpine accrued \$6,494 in accrued interest for shareholders loans which were authorized by Resolution No. 5138, adopted on May 11, 2017.<sup>2</sup>

Lake Alpine did not include<sup>3</sup> its interest expense of \$6,494 into the summation of total deductions in its summary of earnings workpapers in its GRC request. Division adjusted the Summary of Earnings (Appendix A) accordingly to include the interest expense.

#### Operations and Maintenance

For purchased power, Lake Alpine provided invoices and billing summaries of its kilowatt-hour (kWh) consumption and charges per kWh for each rate category. Lake Alpine estimates a purchased power expense of \$33,032 for TY 2018. Lake Alpine has no purchased water expense but incurs \$10,479 as other volume related expenses.

For materials, contract work, transportation expense, other plant maintenance, office services and rentals, office supplies, professional services, employee benefits, and general expenses, Lake Alpine applied a three-year average and then applied the appropriate labor and non-labor inflation rates to each category for TY 2018. For

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<sup>1</sup> Standard Practice U-39

<sup>2</sup> Res. No. 5138 granted Lake Alpine authorization to convert a short-term note with Aspen Forest Investment Company to unsecured long-term debt and convert a short-term note with Roma P. Orvis to unsecured long-term debt, the proceeds of which were used for an oxygenation system, main line repairs, and upgrades and improvements to the water system.

<sup>3</sup> Lake Alpine inadvertently left out the interest expense in its initial filing, but Division staff corrected this error and included the calculation of the interest expense.

insurance, water testing, and payroll<sup>4</sup> expense, Lake Alpine applied its 2017 recorded amount and applied the appropriate inflation rate for TY 2018.

Lake Alpine and the Division concur with the estimated operating expenses for TY 2018.

### **Plant Additions and Ratebase**

Lake Alpine has implemented two significant changes to its treatment process since the previous GRC in 2009. An oxygen generation facility was installed at the reservoir to distribute oxygen into the bottom of the lake to control iron and manganese in the water, and a granular activated carbon filter was installed to reduce dissolved organics to reduce disinfection byproduct. In addition, Lake Alpine has continually invested in its plant and distribution infrastructure to improve water quality, customer service, and reduce operating expenses.

### **Rate of Return vs. Rate of Margin**

Lake Alpine has requested a Rate of Margin (ROM) of 24%. Two methods are available for the Division to utilize in the rate-making process: (1) Rate of Return (ROR) and (2) ROM. In Res. W-4524 (March 17, 2005), the Commission adopted a revised set of standard practices for determining the profit for Class C and D water utilities using the rate of return and rate of margin methods. Both methods are to be used. Per Decision 92-03-093, dated March 31, 1992, Division must recommend the method that produces the higher revenues. In the ROM method, the utility's revenue requirement is defined as the sum of its operating and maintenance expenses, depreciation, income and other taxes, multiplied by the ROM. This method gives the small water utilities the opportunity to earn a more reasonable and appropriate revenue requirement when the utility has "little rate base". If only the ROR method was used, a utility with little or no ratebase would earn little or no return. The Division recommended ROR is 10.56% to 11.56% for a Class D utility. Division has recommended a ROM of 24% for Class D water utilities.<sup>5</sup> Applying a ROR of 10.06% yields a net revenue of \$72,199 versus \$110,319 when applying a ROM. This comparison of the two methods indicates that the ROM method produces a higher revenue requirement; therefore, Division recommends the ROM method at 24%.

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<sup>4</sup> Payroll consists of employee labor, office salaries, and employee pension and benefits.

<sup>5</sup> Water Division Memorandum entitled "Rates of Return and Rates of Margin for Class C and Class D Water Utilities" dated February 27, 2018.

Taxes

Lake Alpine applied the current 2018 corporate tax rates for Federal and State income at 21% and 8.84% respectively. The tax calculations are shown in Appendix D for Test Year 2018.

Comparison of Water Bills

Class D utilities are authorized by Decision 92-03-093 to request to recover up to 100% of fixed costs in the service charge. Lake Alpine requested this rate structure in its filing, and the Division concurs. Lake Alpine's present rate structure consists of one schedule: No. 1A – Annual Metered Service. The rates proposed by the Division are shown in Appendix B. At Division's recommended rates shown in Appendix B, the monthly bill for an average customer with a 5/8 x 3/4-inch metered residential customer using 2 CCF<sup>6</sup> per month would increase from \$83.68 to \$101.04, or 20.7%. A comparison of customer bills at present and recommended rates is shown in Appendix C. The Adopted Quantities are shown in Appendix D.

Affordability of Proposed Rates

At Division's recommended rates shown in Appendix B, the average bill for a 5/8 x 3/4-inch metered residential customer consuming 2 CCF per month would increase from \$83.68 to \$101.04, or 20.7% in TY 2018. Lake Alpine Water Company is located in the 95223 zipcode in western Alpine County where the annual median household income (MHI), for the zip code is \$62,375.<sup>7</sup> The proposed rate, accordingly, would be 1.9%<sup>8</sup> of the MHI.

It should be noted that no affordability criteria have been developed and adopted in any Commission Decision or Resolution. However, in October 2017, the Health and Safety Code in the California Code of Regulations (Sec. 116760.50) was amended to establish an affordability threshold of 1.5% of MHI for average water bills in Severely Disadvantaged Communities, as defined (60% of California Statewide MHI of \$60,818,

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<sup>6</sup> Lake Alpine maintains a low average monthly usage since only about 60 of its 489 metered connections are full time customers, with the majority of the connections being vacation home owners. Also, no outdoor irrigation is allowed in the community leading to lowered water use.

<sup>7</sup> Source: 2012-2016 American Community Survey 5-Year Estimates

<sup>8</sup> The average monthly bill of \$101.04, or \$1,212.48 annually, is approximately 1.9% of the median household income of \$62,375 in Alpine County.



or \$37,091)<sup>9</sup>. While the Commission adheres to cost-of-service regulatory principles in developing rates for its jurisdictional utilities, and the Division's recommended rates for Lake Alpine Water are at the minimum required to satisfy the utility's technical, managerial and financial capacity, and operational capability. The discussion regarding affordability is presented, nonetheless, to indicate to the Commission the relationship between the proposed rates and the local economic circumstances.

### **Balancing Accounts**

Lake Alpine currently has no pending or outstanding balancing accounts.

### **SAFETY**

Lake Alpine meets all applicable drinking water quality standards as required by the State Water Resources Control Board (SWRCB), Division of Drinking Water (DDW). The latest inspection report from July 2018 has been reviewed by the Division. In addition, Lake Alpine meets all applicable standards from the Division of Safety of Dams (DSOD). The Reba Dam which holds Bear Lake, a source of supply for Lake Alpine, is inspected annually by DSOD. The most recent inspection report from July 2018 has been reviewed by the Division.

Lake Alpine's service area has 50 fire hydrants which are flushed and inspected by the utility at least once annually as the Bear Valley Fire Department is a volunteer department that is not staffed to maintain the hydrants. All hydrants are dry barrel due to extreme winter temperatures.

The water treatment facilities are digitally monitored daily, through a remote Supervisory Control and Data Acquisition (SCADA) system, by an on-call operator. Lake Alpine has an annual training budget which allows operators to maintain their certifications and participate in local trainings including safety related topics such as confined space entry and chemical handling.

### **COMPLIANCE**

Lake Alpine has no outstanding compliance orders and has been filing annual reports

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<sup>9</sup> See Assembly Bill 560 (Salas); Chaptered by Secretary of State on October 7, 2017 – Chapter 552, Statutes of 2017.

as required. Lake Alpine meets all applicable drinking water quality standards as required by the SWRCB, DDW.

### **COMMENTS**

Public Utilities Code section 311(g)(1) requires that a proposed resolution be served on all parties and be subject to a public review and comment period of 30 days or more, prior to a vote of the Commission on the resolution.

Accordingly, this proposed resolution was mailed to the utility and its service list and made available for public comment on September 7, 2018.

No comments have been received.

### **FINDINGS**

1. The Summary of Earnings (Appendix A) recommended by the Water Division (Division) is reasonable and should be adopted.
2. The rates recommended by the Division (Appendix B) are reasonable and should be adopted.
3. The quantities (Appendix D) used to develop the recommendations of the Division are reasonable and should be adopted.
4. The water rate increase authorized herein is justified and the resulting rates are just and reasonable.
5. Lake Alpine Water Company should be allowed to file a Tier 1 advice letter to supplement to Advice Letter No. 116 to incorporate the rate schedules (Appendix B), and to concurrently cancel its presently effective Rate Schedules. The effective date of the revised rate schedule should be 5 days after the date of filing.
6. This is a contested matter which requires that a proposed resolution be served on all parties and be subject to a public review and comment period of 30 days or more, prior to a vote of the Commission on the resolution.

**THEREFORE, IT IS ORDERED THAT:**

1. Authority is granted under Public Utilities Code, Section 454, for Lake Alpine Water Company to file a supplement to Advice Letter No. 116 to incorporate the rate schedules (Appendix B), and to concurrently cancel its presently effective Rate Schedules. The effective date of the revised rate schedule shall be 5 days after the date of filing. This advice letter shall become effective upon approval by Staff of the Division of Water and Audits.
2. Lake Alpine Water Company is authorized to increase the Test Year 2018 water revenues by \$102,300, or 18.8%.

This resolution is effective today.

I certify that the foregoing resolution was duly introduced, passed, and adopted at a conference of the Public Utilities Commission of the State of California held on October 11, 2018; the following Commissioners voting favorably thereon:

\_\_\_\_\_/s/ ALICE STEBBINS

ALICE STEBBINS

Executive Director

MICHAEL PICKER

President

CARLA J. PETERMAN

LIANE M. RANDOLPH

MARTHA GUZMAN ACEVES

CLIFFORD RECHTSCHAFFEN

Commissioners



**APPENDIX A**  
**LAKE ALPINE WATER COMPANY**  
**Summary of Earnings – Test Year 2018**

		Utility Estimated Rates		Division Rates	Recommended Rates
		Present	Requested	Present	
<b><u>Operating Revenue</u></b>					
	General Metered Revenue	\$519,576	\$619,000	\$519,576	\$631,000
	General Unmetered Revenue	\$0	\$0	\$0	\$0
	Reclaimed Water Sales	\$0	\$0	\$0	\$0
	Private Fire	\$4,510	\$4,510	\$4,510	\$4,510
	Other Water Revenue	\$8,490	\$10,000	\$8,490	\$10,000
	Other	\$10,634	\$0	\$10,634	\$0
	<b>Total Revenue</b>	<b>\$543,210</b>	<b>\$633,510</b>	<b>\$543,210</b>	<b>\$645,510</b>
<b><u>Operating Expenses</u></b>					
610	Purchased Water	\$0	\$0	\$0	\$0
615	Purchased Power	\$33,815	\$33,032	\$33,815	\$33,032
618	Other Volume Related Expenses	\$15,911	\$10,479	\$15,911	\$10,479
630	Employee Labor	\$86,893	\$82,480	\$86,893	\$82,480
	(Labor Capitalized)	\$0	\$0	\$0	\$0
640	Materials	\$11,850	\$10,202	\$11,850	\$10,202
650	Contract Work	\$16,172	\$12,062	\$16,172	\$12,062
	Water Testing	\$15,561	\$14,081	\$15,561	\$14,081
660	Transportation Expenses	\$8,339	\$8,300	\$8,339	\$8,300
664	Other Plant Maintenance	\$3,008	\$3,081	\$3,008	\$3,081
670	Office Salaries	\$37,677	\$38,545	\$37,677	\$38,545
671	Management Salaries	\$0	\$0	\$0	\$0
674	Employee Benefits	\$29,264	\$33,019	\$29,264	\$33,019
676	Uncollectibles Expense	\$65	\$60	\$65	\$60
678	Office Services & Rentals	\$5,241	\$4,955	\$5,241	\$4,955
681	Office Supplies & Expenses	\$10,521	\$11,100	\$10,521	\$11,100
682	Professional Services	\$58,290	\$39,104	\$58,290	\$39,104
684	Insurance	\$20,304	\$21,919	\$20,304	\$21,919
688	Regulatory Commission Expense	\$16,873	\$21,884	\$16,873	\$21,884
689	General Expenses	\$10,780	\$14,520	\$10,780	\$14,520
	<b>Total Expenses</b>	<b>\$380,564</b>	<b>\$358,823</b>	<b>\$380,564</b>	<b>\$358,823</b>
	Depreciation	\$115,616	\$81,110	\$115,616	\$81,110
	Taxes other than Income	\$38,837	\$26,742	\$38,837	\$26,742
	State and Federal Income Taxes	\$1,398	\$44,869	\$1,398	\$48,227
	Interest Expense	\$10,809	\$6,494	\$10,809	\$6,494
	<b>Total Deductions</b>	<b>\$527,224</b>	<b>\$518,038</b>	<b>\$527,224</b>	<b>\$521,396</b>
	<b>Net Revenue</b>	<b>-\$4,014</b>	<b>\$121,966</b>	<b>-\$4,014</b>	<b>\$124,114</b>
<b>RATE BASE</b>					
	Utility Plant	\$1,679,341	\$1,413,353	\$1,679,341	\$1,413,353
	Construction Work in Progress	\$0	\$0	\$0	\$0
	Materials and Supplies	\$0	\$0	\$0	\$0
	Working Cash	\$40,774	\$29,902	\$40,774	\$29,902
	Accumulated Depreciation	\$0	\$0	\$0	\$0
	Advances for Construction	\$201,566	\$212,032	\$201,566	\$212,032
	Contributions in Aid of Construction	\$517,762	\$517,762	\$517,762	\$517,762
	Deferred Income Taxes	\$115,577	\$128,825	\$115,577	\$128,825
	<b>TOTAL RATE BASE</b>	<b>\$1,288,342</b>	<b>\$1,008,700</b>	<b>\$1,288,342</b>	<b>\$1,008,700</b>
	<b>Rate of Margin (ROM)</b>				<b>24.00%</b>

**END OF APPENDIX A**



# BEAR VALLEY WATER DISTRICT

Newsletter

Safe, Efficient, Reliable & Compliant Resource Recovery for Our Community October 2018

## Executive Summary

### New District Website:

Showcases Transparency  
Expands Customer Service  
Highlights Reporting &  
Compliance

### FY 2018 – 19 Budget:

Bee Gulch Lift Station Upgrade

### District Capacity & Buy-In Fee:

Total District Capacity - 1846 EDUs  
Board Approves Buy-In Fee-\$7370

### Division of Safety of Dams:

Dam No. 1088 "Significant Hazard"  
Emergency Action Plan Required  
Dam Break Modeling &  
Inundation Mapping Contracted

### Fats, Oil and Grease "FOG":

Disposal Alternatives

Did you know. . . . ?

#### Auto Pay & E-bill Services

As a reminder, BVWD provides both automatic bill payment options as well e-bill and e-newsletter services.

To sign up for electronic billing and automatic payment services, visit the Payment Options page at <http://bvwd.ca.gov/> and complete the authorization form.

Questions ? Call 209.753.2112

**Bear Valley Water District**  
PO Box 5027  
441 Creekside Drive  
Bear Valley, CA 95223

**Phone**  
209.753.2112

**Fax**  
209.753.6267

**Web Site**  
<http://bvwd.ca.gov/>

## NEW DISTRICT WEB SITE SHOWCASES COMMITMENT TO TRANSPARENCY

For public agencies today, an more ambiguous .org website improvement plans and annual, agency's website has become the extension. independent auditor reports as well as a central tool through which to link to the State Controller's office provide customers, regulators and Under new regulatory requirements providing transparency on staff the public at large a convenient for public agency websites enacted compensation. Visitors will also find a host way to efficiently seek answers to since the District's last website of new District policy statements on questions, meet customer service revision, the District's site now everything from Reserve and Investment requests and showcase its complies with the latest Policies to Director's Reimbursement and commitment to transparency. amendments to the California Conflict of Interest Policies. Recognizing this significance, the Public Records Act, including a new Bear Valley Water District recently web page related to Senate Bill 272 Improved customer service was an equally completed a comprehensive requiring public agencies to list important objective of the District's new overhaul of the District's web site their "enterprise systems," or the website. This latest revision provides Board Approves Buy-In Fee-\$7370 with a goal to meet all of these software applications it employs. customers with easy access to apply for objectives and more. new service, enroll in auto-pay, sign up for

Similarly, the District's site now electronic billing and even pay your bill meets requirements to provide online. The "outreach" tab also includes access to the agency's digital sewer maintenance tips, describes the agendas, Board meeting materials District's fats, oils and grease program and Customers and other stakeholders may now find the Bear Valley as well as its Sewer System allows visitors to sign up newsletters. Water District's website at Management Plan (SSMP) and <http://bvwd.ca.gov/>. This change sewer ordinance or Municipal Code. The District's improved site also includes affirms the agency's status as a extensive information on the range of California Special District, a unique With nearly 50 unique web pages, services provided to the community, branch of state government not to the site is also rich in new financial including links to current discharge be confused with the private content providing current as well as permits, sewer collection, treatment and sector and replacing the former historical budgets, capital disposal programs as well as current rates.

## 2018 - 19 FISCAL YEAR BUDGET PRIORITIZES LIFT STATION UPGRADE

The Lake Alpine Sewage Collection Ramp lift station which then pumps Staff identified this lift station as the most and Export System, including three effluent to facilities in Bear Valley. critical component of the collection network lift stations and several miles of and a priority for FY18-19 since many or all gravity and force main subsurface The "Bee Gulch" lift station has of the components in the station are collections line, was designed and performed exceedingly well over believed to be at the end of or even engineered for the District by the past 40 years with no sewer beyond their useful life making the station Gretzinger & Weatherby Civil system overflows (SSOs) or other increasingly vulnerable to a potential SSO. Engineers (Jackson, California) in issues, particularly notable in light March 1974. This system has of the fact that the station provided safe and reliable currently contains all original Manager solicited proposals from four reputable contracting firms with experience in public sector lift station upgrades. The proposals received from the four firms were responsive to the request providing the requested deliverables in order to complete the scope of work on schedule. it was installed in the mid 1970's. motor control panel, pumps, plumbing and check valves.

The "Lake Alpine Permittee Association" station, more To date, as far as current staff is commonly known today as the "Bee aware, the pumps have never been Gulch" lift station, is a duplex or removed or serviced as is best two pump lift station which services practice at the District's other (12) residential Special Use Permit facilities principally due to the fact (SUP) cabins on federal lands in the that they were plumbed in place Lake Alpine basin. Since 1977, the with all cast iron pipe making it station has pumped effluent via impossible to extract them without force main to the Lake Alpine Boat fully dismantling the station.

At the Direction of the Board, the General Manager solicited proposals from four reputable contracting firms with experience in public sector lift station upgrades. The proposals received from the four firms were responsive to the request providing the requested deliverables in order to complete the scope of work on schedule.

Aqua Sierra Controls of Auburn, California was awarded the contract and the weeklong project is scheduled for early autumn 2018. This upgrade should provide the Lake Alpine Basin with an additional 40 years+ of reliable service.



## DISTRICT UPDATES SYSTEM CAPACITY & REVISES NEW CUSTOMER CAPACITY FEE



In 2014, when the Board last Engineer following the first EDUs or 92% of the 1978 Master Plan. revised the "buy-in" fee, or the successful surface discharge, fee customers pay for their share of a much higher level of capacity in and to physically connect confidence now exists to the wastewater system, there discharge the required volumes were still several uncertainties into Bloods Creek and, together associated with the District's with several key changes ratified potential ability to discharge into in the District's 2016 NPDES Bloods Creek. Limited flow data permit, the Board of Directors for Bloods Creek existed at the time voted at its January 2018 combined with the fact that the meeting to increase available District had not performed a system capacity an additional discharge previously to verify the 1,196 equivalent dwelling units adequacy of the surface discharge (EDUs) over existing connections, system.

Based upon the results of an of connected EDUs (650) with updated water balance additional District capacity performed by the District (1,196) yields an updated total District system capacity of 1,846

As any change in adopted capacity correlates directly to the "buy-in" fee charged to new customers, District staff then re-examined the actual costs of the District's collection, treatment and disposal systems. This analysis included a review and update to the District's depreciation schedule. These costs were then escalated using the Engineering News Record 20 city construction cost index to yield a revised cost basis for all assets.

Based on this analysis, the updated cost basis for the District's systems as of December 2017 is now \$13,605,000. With 1846 EDUs and this new cost basis, the Board voted at its April 2018 meeting to approve a revised "buy-in" fee of \$7370.



### "FOG" - FATS, OILS AND GREASE – DISPOSAL ALTERNATIVES

With the holiday season fast To prevent these problems, we the bag shut and dispose of it in a trash approaching, the District would like encourage you to dispose of these receptacle. to take this opportunity to remind cooking bi-products safely.

you of how best to dispose of fats, cooking oils and grease (FOG) Here are some alternative disposal suggestions that will reduce your impact on Bear Valley's wastewater

receptacle. • Mix cooking oils with an absorbent material such as coffee grounds, place in a lidded container and dispose in a trash receptacle.

As a reminder, fats, cooking oils, infrastructure. and grease (FOG) can coat and clog pipes and cause sewer lines to back-up into homes. "FOG" can also cause blockages further down sewer lines creating system overflows as well as disrupt waste water treatment processes with detrimental results.

• If you're soaking a greasy pan, first pour Instead of pouring fats, oil, grease off grease into a container. Then place or placing greasy foods down the paper towels over the drain basket to catch garbage disposal or drain, try the grease and food as you pour the soaking water down the drain.

• Place fats, oil, and grease in a These environmentally friendly kitchen container with a tight-sealing lid, practices are simple alternatives to put the container in a trash bag, tie disposing of these harmful bi-products and better for wastewater disposal operations.

OROVILLE DAM – MARCH 2017



DAMS UNDER JURISDICTION OF THE STATE OF CALIFORNIA – 1246 DAMS



### REMEMBER OROVILLE ? NEW REQUIREMENTS EMERGE FOR BVWD'S DAM NO. 1088

Since 1929, the State of adopted regulations effective July economic loss, environmental damage and California has regulated dams to 1, 2017 requiring dam owners to disruption of lifeline facilities. Per DSOD, prevent failure, safeguard life and prepare emergency action plans based on this level of classification, the EAP protect property. Following the (EAP) for their dams. must include dam break/flood route modeling and inundation mapping, and must be the near catastrophic events during the winter of 2017, including the evacuation of nearly 200,000 residents below the Oroville Dam, the Division of Safety of Dams (DSOD) determined new regulations were necessary to maintain these objectives.

On July 14, 2017 DSOD notified the District regarding newly

Bear Valley SH Dam No. 1088, completed and submitted by January 1, which refers to the dam at the 2021. District's 76.4 MG effluent storage reservoir, is classified as a dam Under the guidance of the District Engineer, meeting the "significant" hazard the General Manager solicited proposals from classification. Dams assigned this six reputable engineering firms in the region. classification are those dams where failure or mis-operation At its April 2018 meeting, the Board of would result in no probable loss of Directors awarded the project to Mead and human life but can cause Hunt, Inc. based in Sacramento.



# BEAR VALLEY WATER DISTRICT

NEWSLETTER

*Safe, Efficient, Reliable & Compliant Resource Recovery Services for Our Community*

October 2018



## District Debuts New Website:

### Showcases Commitment to Transparency

For public agencies today, an agency's website has become the central tool through which to provide customers, regulators



and the public at large a convenient way to efficiently seek answers to questions, meet customer service requests and showcase its commitment to transparency. Recognizing this significance, the Bear Valley Water District recently completed a comprehensive overhaul of the District's web site with a goal to meet all of these objectives and more.

Among the first improvements was a change in the District's URL. Customers and other stakeholders may now find the Bear Valley Water District's website at <http://bvwd.ca.gov/>. This change affirms the agency's status as a California Special District, a unique branch of state government not to be confused with the

## BVWD Board Meetings

### In This Issue:

[New District Website - Showcases Commitment to Transparency](#)

[Board Votes to Expand System Capacity - Capacity Fees Revised](#)

[FY 2018 - 19 Capital Projects Focus on Lake Alpine Lift Station Upgrade](#)

[Remember Oroville ? New Requirements Emerge for BVWD's Dam No.1088](#)

[Fats, Oil & Grease \(FOG\) - Good Disposal Practices](#)

District meetings are held on the 3rd Monday of each month at the District office in Bear Valley and are open to the public.

\*\*\*\*\*

### Bear Valley Water District

PO Box 5027

441 Creekside Drive

Bear Valley, CA 95223

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[Judi.Silber@bvwd.ca.gov](mailto:Judi.Silber@bvwd.ca.gov)

private sector and replacing the former more ambiguous .org website extension.

Under new regulatory requirements for public agency websites enacted since the District's last website revision, the District's site now complies with the latest amendments to the California Public Records Act, including a new web page related to Senate Bill 272 requiring public agencies to list their "enterprise systems," or the software applications it employs.

Similarly, the District's site now meets requirements to provide access to the agency's digital agendas, Board meeting materials as well as its Sewer System Management Plan (SSMP) and sewer ordinance or Municipal Code.

With nearly 50 unique web pages, the site is also rich in new financial content providing current as well as historical budgets, capital improvement plans and annual, independent auditor reports. Visitors will also find links to the State Controller's office providing transparency on staff compensation as well as a host of new District policy statements on everything from Reserve and Investment Policies to Director's Reimbursement and Conflict of Interest Policies.

Improved customer service was an equally important objective of the District's new website. This latest revision provides customers with easy access to apply for new service, enroll in auto-pay, sign up for electronic billing and even pay your bill online. The "outreach" tab also includes sewer maintenance tips, describes the District's fats, oils and grease program and allows visitors to sign up newsletters.

The District's improved site also includes extensive information on the range of services provided to the community, including links to current discharge permits, sewer collection, treatment and disposal programs as well as current rates.

### **Did you know. . . . .**

#### **Auto Pay & E-bill Services**

As a reminder, BVWD provides both automatic bill payment options as well e-bill and e-newsletter services.

To sign up for electronic billing and automatic payment services, visit the Customer Service page at <http://bvwd.ca.gov/> for more information.

Questions ? Call 209.753.2112





## Board Votes to Adopt Expanded System Capacity:

### Analysis Prompts Capacity Fee Revision

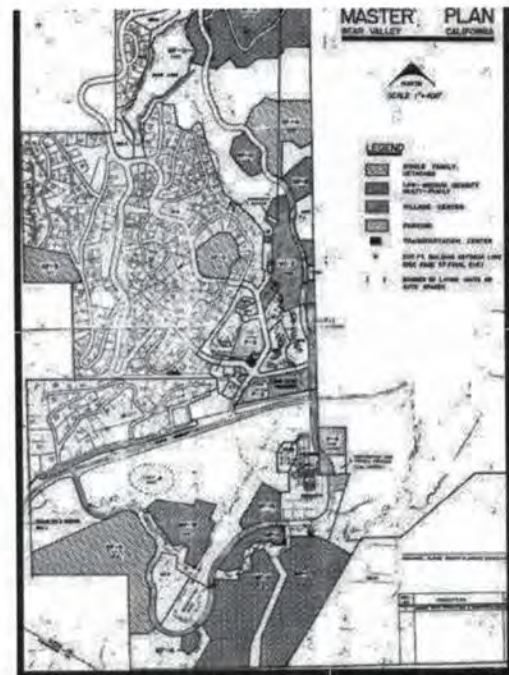
In 2014, when the Board last revised the "buy-in" fee, or the fee customers pay for their share of capacity in and to physically connect to the District's wastewater system, there were still several uncertainties associated with the District's potential ability to discharge into Bloods Creek. Limited flow data for Bloods Creek existed at the time combined with the fact that the District had not performed a discharge previously to verify the adequacy of the surface discharge system.

Based upon the results of an updated water balance performed by the District Engineer following the first successful surface discharge, a much higher level of confidence now exists to discharge the required volumes into Bloods Creek. These developments, together with several key changes ratified in the District's 2016 NPDES permit, led the Board of Directors at its January 2018 meeting to vote to increase available system capacity an additional 1,196 equivalent dwelling units (EDUs) over existing connections.

Combining the current number of connected EDUs (650) with additional District capacity (1,196) yields an updated total District system capacity of 1,846 EDUs or 92% of the 1978 Master Plan.

As any change in adopted capacity correlates directly to the "buy-in" fee charged to new customers, District staff then re-examined the actual costs of the District's collection, treatment and disposal systems. This analysis included a review and update to the District's depreciation schedule. These costs were then escalated by the District Engineer using the Engineering News Record (ENR) 20 city construction cost index to yield a revised cost basis for all assets.

Based on this analysis, the updated cost basis for the District's systems as of December 2017 is now \$13,605,000. With 1846 EDUs and this new cost basis, the



1978 Bear Valley Master Plan



Board voted at its April 2018 meeting to approve a revised "buy-in" fee of \$7370.

## **FY 2018-19 BUDGET:**

### **DISTRICT PRIORITIZES LAKE ALPINE LIFT STATION UPGRADE**

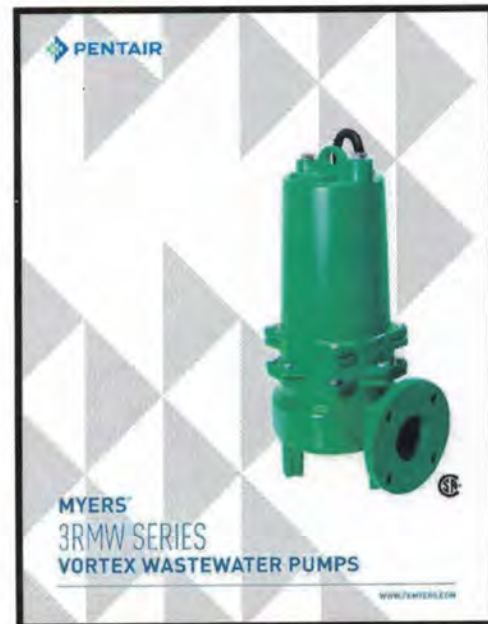
The "Lake Alpine Sewage Collection and Export System," including three lift stations and several miles of gravity and force main subsurface collections line, was designed and engineered for the District by Gretzinger & Weatherby Civil Engineers (Jackson, California) in March 1974. This system has provided safe and reliable sewerage service to the Basin since it was installed in the mid 1970's.

The "Lake Alpine Permittee Association" station, more commonly known today as the "Bee Gulch" lift station, is a duplex or two pump lift station which services (12) residential Special Use Permit (SUP) cabins on federal lands in the Lake Alpine basin. Since 1977, the station has pumped effluent via force main to the Lake Alpine Boat Ramp lift station which then pumps effluent to downstream collection facilities in Bear Valley for treatment.

The "Bee Gulch" lift station has performed exceedingly well over the past 40 years with no sewer system overflows (SSOs) or other issues. This is particularly notable in light of the fact that the station currently contains all original components, including the original motor control panel, pumps, plumbing and check valves.

To date, as far as current staff is aware, the pumps have never been removed or serviced as is best practice at the District's other facilities, principally due to the fact that they were plumbed in place with all cast iron pipe making it impossible to extract them without fully dismantling the station.

Staff identified this lift station as the most critical component of the collection network and a priority for FY18-19 since many or all of the components in the station are believed to be at the end of or even beyond their useful life making the station increasingly vulnerable to a potential SSO.



At the Direction of the Board, the General Manager solicited proposals from four reputable contracting firms with experience in public sector lift station upgrades. The proposals received from the four firms were responsive to the request providing the requested deliverables in order to complete the scope of work on schedule.

Aqua Sierra Controls of Auburn, California was awarded the contract and the weeklong project is scheduled for early autumn 2018. This upgrade should provide the Lake Alpine Basin with an additional 40 years+ of reliable service.

### **REMEMBER OROVILLE ?:**

#### **NEW REQUIREMENTS EMERGE FOR BVWD'S DAM No. 1088**

Since 1929, the State of California has regulated dams to prevent failure, safeguard life and protect property. Following near catastrophic events with several dams statewide during the winter of 2017, including the evacuation of nearly 200,000 residents below the Oroville Dam, the Division of Safety of Dams (DSOD) determined new regulations were necessary to maintain these objectives.

On July 14, 2017 DSOD notified the District regarding newly adopted regulations effective July 1, 2017 requiring dam owners to prepare emergency action plans (EAP) for their dams.

Bear Valley SH Dam No. 1088, which refers to the dam at the District's 76.4 MG effluent storage reservoir, is classified as a dam meeting the "significant" hazard classification. Dams assigned this classification are those dams where failure or mis-operation would result in no probable loss of human life but can cause economic loss, environmental damage and disruption of lifeline facilities. Per DSOD, based on this level of classification, the EAP must include dam break and flood route modeling and analysis as well as inundation mapping. All of these various tasks must be completed and submitted to DSOD by January 1, 2021.



1246 Dam Under DSOD Jurisdiction in California



Oroville Spillway - March 2017



Under the guidance of the District Engineer, the General Manager solicited proposals from six reputable engineering firms in the region with expertise in this area.

At its April 2018 meeting, the Board of Directors awarded the project to Mead and Hunt, Inc. based in Sacramento.

## **FATS, OILS AND GREASE (FOG):**



### **ALTERNATIVES TO SINK DISPOSAL**

With the holiday season fast approaching, the District would like to take this opportunity to remind you of how best to dispose of fats, cooking oils and grease (FOG) when preparing holiday meals.

As a reminder, fats, cooking oils, and grease (FOG) can coat and clog pipes and cause sewer lines to back-up into homes. "FOG" can also cause blockages further down sewer lines creating system overflows as well as disrupt waste water treatment processes with detrimental results.

To prevent these problems, we encourage you to dispose of these cooking bi-products safely.

Here are some alternative disposal suggestions that will reduce your impact on Bear Valley's wastewater infrastructure.

Instead of pouring fats, oil, grease or placing greasy foods down the garbage disposal or drain, try the following:

- \* Place fats, oil, and grease in a container with a tight-sealing lid, put the container in a trash bag, tie the bag shut and dispose of it in a trash receptacle.
- \* Mix cooking oils with an absorbent material such as coffee grounds, place in a lidded container and dispose in a trash receptacle.
- \* If you're soaking a greasy pan, first pour off grease into a container. Then place paper



towels over the drain basket to catch grease and food as you pour the soaking water down the drain.

These environmentally friendly kitchen practices are simple alternatives to disposing of these harmful bi-products and better for wastewater disposal operations.

Bear Valley Water District | PO Box 5027 | Bear Valley, CA 95223  
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Bear Valley Water District, PO Box 5027, Bear Valley, CA 95223

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# TUESDAY

October 16, 2018



## 2018 NEXGEN User Conference Agenda

Embassy Suites, Sacramento CA

River City Ballroom

8:30<sup>am</sup>  
9:15<sup>am</sup> Welcome & Overview

9:15<sup>am</sup>  
10:15<sup>am</sup> Scheduling, a New Way of Doing Business  
Bad or No Wi-Fi in the Field? No problem, Caching Is Here

10:15<sup>am</sup>  
10:30<sup>am</sup> Break

10:30<sup>pm</sup>  
12:00<sup>pm</sup> Predictive Maintenance to Optimize your Maintenance Program  
Creating Better/Faster Work Orders  
RFID Corona Case Study

12:00<sup>pm</sup>  
1:00<sup>pm</sup> Lunch (Provided)

1:00<sup>pm</sup>  
5:00<sup>pm</sup> Hands-On Workshops - Gold Rush Room & Delta Room

1:00<sup>pm</sup>  
5:00<sup>pm</sup> NEXGEN Staff Office Hours - Atrium Lobby

5:30<sup>pm</sup>  
6:30<sup>pm</sup> Happy Hour Reception - Atrium View Terrace

### Hands On Workshops - Gold Rush Room

#### 1:00<sup>pm</sup> 2:00<sup>pm</sup> Scheduling Your Work Load

In this session you will learn new ways of managing your busy workload, review roles, assign workload, and consider resource availability. Let us help you learn new ways of scheduling, monitoring, and managing maintenance schedules. Oh, and there's a bonus! You'll also learn how to export and sync your NEXGEN calendar into Outlook.

#### 2:00<sup>pm</sup> 3:00<sup>pm</sup> Cache Your Data When There's No Wi-Fi

Even when there's no access to Wi-Fi, a technician will need access to critical details in order to make the necessary repairs with minimal disruption in the flow of maintenance schedules. In this workshop you will learn how to CACHE your data before you run into a situation with limited Wi-Fi. Come learn what you can and can't do with caching.

#### 3:15<sup>pm</sup> 4:15<sup>pm</sup> Designing Inspection Forms

Inspections can help identify deterioration of operating characteristics, especially when they can be customized to meet your specific needs. In this session you'll learn how to create sustainable inspection forms to manage your asset programs, learn some great short-cuts, and manage inspections from a map view.

#### 4:15<sup>pm</sup> 5:00<sup>pm</sup> Control Center Settings

The setup module houses the central controls of the entire software. In this workshop you will gain a better understanding of impressive new features and controls. This session will be focused on integrations, document library, activity feeds, proven strategies on how to effectively set up NEXGEN, and more. This session is designed for NEXGEN administrators and future power users.

### Hands On Workshops - Delta Room

#### 1:00<sup>pm</sup> 2:00<sup>pm</sup> Warehouse Management Made Easy (1)

With Warehouse Inventory, your organization can maintain multiple warehouses within a single database. Location hierarchies allow you to easily drill down from an entire warehouse to an individual bin. In this session you will learn how to quickly create a warehouse, add your own parts, and create and manage your very own online store -- all within an hour's time.

#### 2:00<sup>pm</sup> 3:00<sup>pm</sup> Warehouse Management Made Easy (2)

Let's keep going! Whether you need a process that requires a chain of approval, or not, in this session you will learn how to manage your warehouse work-flow by creating a purchase requisition, reorder inventory, and receive parts. We'll wrap up with how to accurately reconcile inventory with a cycle count.

#### 3:15<sup>pm</sup> 4:15<sup>pm</sup> Importing Your Very Own Data

How do I get hundreds of records that are stored in an excel file or in an outdated CMMS system into NEXGEN? And how much time and effort will it take? In this session you will learn how to import large amounts of data into your portal using our new import tool. This workshop will cover importing records into various modules, including Asset Inventory, Employee, Equipment, Customer, Vendor, and Contractor. This session will save you time and money!

#### 4:15<sup>pm</sup> 5:00<sup>pm</sup> Optimizing Work Order Workflows

Finding it tough to manage maintenance workflows in a fast-paced facility? You can now become more efficient by learning advanced work order functionality, such as linking work orders, using templates, and creating useful notifications. You will also learn some insightful information that will help you improve your work order workflow.



# WEDNESDAY

October 17, 2018



## 2018 NEXGEN User Conference Agenda

Embassy Suites, Sacramento CA

River City Ballroom

8:45<sup>am</sup>  
9:00

Today's Overview

9:00<sup>am</sup>  
10:00

Exploring NEW Features on Preventive Maintenance  
GIS Enhancements & Route Optimization

10:00<sup>am</sup>  
10:15

Break

10:15<sup>am</sup>  
11:45

Improving Customer Service  
AutoCAD Maps for Facility Management  
Backflow Case Study

11:45<sup>pm</sup>  
1:00

Lunch (Provided)

1:00<sup>pm</sup>  
4:30

Hands-On Workshops - Gold Rush Room & Delta Room

1:00<sup>pm</sup>  
4:30

NEXGEN Staff Office Hours - Atrium Lobby

5:30<sup>pm</sup>  
6:30

Happy Hour Reception - Atrium View Terrace

6:45<sup>pm</sup>  
9:45

User Appreciation Dinner - Firehouse Restaurant

### Hands On Workshops - Gold Rush Room

1:00<sup>pm</sup>  
2:00

#### Core Preventive Maintenance (1)

Preventive Maintenance (PM) schedules should not only include mission-critical machinery but also support infrastructure equipment and components. These schedules can help prevent equipment failures and unplanned downtime. In this session you will learn about impressive new features, setting up schedules, generating work order's, and much more.

2:00<sup>pm</sup>  
3:00

#### Advanced Preventive Maintenance (2)

Let's keep going! This session will be focused on tagging the same checklist to multiple assets, adding roles and resources, using estimated times, and identifying which assets are completed when multiple assets are attached. We will also explore our new predictive maintenance tool.

3:15<sup>pm</sup>  
4:30

#### Get More Out of GIS

You may wonder how GIS finds a place in enterprise asset management. Typically, spatial location is the one common aspect of all the data in your organization. You can aggregate numerous sources of data together and visualize them all to understand how they affect each other. Join us to hear about some recent GIS enhancements, route optimization, adding assets to GIS from an App, and manage horizontal assets. It's a session you won't want to miss.

### Hands On Workshops - Delta Room

1:00<sup>pm</sup>  
2:00

#### Text, Email & Alerts

Our software sends notifications to technicians, supervisors and maintenance managers when tasks are needed or completed. This allows you to create a seamless workflow, as well as regularly monitor, audit, and follow-up with each assignment -- ensuring work is being performed and data is being entered correctly. Get the most of out Notifications by creating and formatting your own notices and setting up internal and external Email, Text and Alerts.

2:00<sup>pm</sup>  
3:00

#### Yield Actionable Insight

CMMS data contains valuable insight on mission-critical assets, equipment failures, downtime, maintenance spending patterns, and resource utilization, which managers can use to implement changes that will boost productivity and reduce downtime. So how do you do get actionable insights fast? Come learn how to connect and leverage third party platforms to help you understand your data. Here's what you need to know about open source, Power BI, Tableau, and Excel.

3:15<sup>pm</sup>  
4:30

#### Better, Faster Service Request Management

An efficient service request system can decrease response times, create greater transparency between an organization and its customers, and give technicians access to real time service request information in the office or the field. In this workshop, we will look at four different service request scenarios based on real life examples, and you will have the opportunity to participate in each one.



# THURSDAY

October 18, 2018



## 2018 NEXGEN User Conference Agenda

Embassy Suites, Sacramento CA

8:00 am  
11:00

Hands-On Workshops - Gold Rush Room & Delta Room

8:00 am  
11:00

NEXGEN Staff Office Hours - Atrium Lobby

11:00 am  
11:15

Break

River City Ballroom

11:15 am  
12:30

Creative Thinking: Brainstorming Improvements for Future Releases  
Closing: Preview of Upcoming NEXGEN Functionalities & Plans

### Hands On Workshops - Gold Rush Room

8:00 am  
9:00

#### Practical Asset Management

Have you ever wondered what asset data you should be managing and collecting in your CMMS software? Join us to learn how to efficiently collect field assets using NEXGEN AM Mobile. You will also learn about impressive new features such as how to retire an asset, how to identify assets using QR codes, and general tips for safe and efficient collection of assets in the field.

### Hands On Workshops - Delta Room

8:00 am  
9:00

#### Leveraging the NEW Contractor Portal

Use NEXGEN's Contractor Portal to apply for approvals, manage work orders, upload documents, and update license information. All data entered by contractors into the portal is automatically synced with NEXGEN Asset Management, so cities or facilities can track contractor information and progress in real time. Join us to learn more on how you can leverage this portal to work for you!

9:00 am  
10:00

#### Writing & Scheduling Your Very Own Reports

Come see our new canned reports and learn how to get the most out of your data. Our tool has the functionality to create tables, pie charts and line charts, as well as schedule those reports to arrive at a set day and time to your very own inbox.

9:00 am  
10:00

#### Exploring Our NEW 311service

311service is a platform designed to streamline how service requests get reported and resolved. Your customers can now report graffiti, potholes, or other public nuisances straight from a desktop or mobile device. They will also get updated throughout the lifecycle of their service request. Join us to learn how to implement this enhanced platform.

10:00 am  
11:00

#### The Benefits of Asset Management Planning & How to Implement it

Which assets are at the greatest risk of failure? Which assets require special attention since they have maximum impact on your business operations? How do you determine and compare the criticality of your assets? How do you estimate the cost range to maintain your assets over the next decade or two? Come learn some key steps to implement a sound asset maintenance and management strategy to help you optimize assets, reduce downtime, and maximize efficiency.

10:00 am  
11:00

#### The ABC's of Setting Up a Backflow Program

In this case study, you will learn how our clients helped pave the way to create, manage, and maintain hundreds or residential, and company backflow devices. Our backflow portal is included with all other modules, so let us guide you through the process of setting up your very own backflow program.





California Special  
Districts Association  
*Districts Stronger Together*

# HUMAN RESOURCES BOOT CAMP FOR SPECIAL DISTRICTS

*A Comprehensive HR Workshop for Experienced & New Staff*



SDRMA

*Co-sponsored  
by CSDA and  
SDRMA.*



# *Certificate of Completion*




## **Human Resources Boot Camp for Special Districts**

Sacramento, CA - November 06, 2018

**Judi Silber**

Bear Valley Water District

  
Neil C. McCormick, CSDA Chief Executive Officer

  
Greg Orsini, CSDA Board President

California Special Districts Association





# **Public Contracting Requirements and Competitive Bidding in California**

**Presented By:**

**Eric J. Firstman, Esq. and Douglas M. McManamon, Esq.**  
*Meyers Nave*



**Bear Valley Water District**  
**Performance vs. Budget**  
September 2017 vs. September 2018

	Prior Year July 1 - Sept. 30	FY 17-18 Budget	FY 17-18 % Budget	Current Year July 1 - Sept. 30	FY 18-19 Budget	FY 18-19 % Budget	Variance Explanation
<b>REVENUES</b>							
Residential	146,099	589,000	25%	147,755	586,000	25%	
Commercial	49,929	190,000	26%	50,155	176,000	28%	
<b>Subtotal Operating Revenue</b>	<b>196,027</b>	<b>779,000</b>	<b>25%</b>	<b>197,910</b>	<b>762,000</b>	<b>26%</b>	Revenue Target - 25%
<b>EXPENSES</b>							
Salaries & Benefits	96,811	325,776	30%	103,498	347,108	30%	
Director Expenses	448	3,000	15%	0	3,000	0%	
Operator Training & Certs		1,500	0%	299	1,500	20%	
Gas, Diesel, Oil & Filters	724	3,000	24%	991	3,000	33%	
Insurance	7,375	22,500	33%	6,456	23,000	28%	
Memberships & Conferences	996	5,500	18%	2,075	8,000	26%	
Office Expenses & Supplies	2,931	10,000	29%	1,895	10,000	19%	
Field Expenses & Supplies	7,069	18,000	39%	13,335	15,000	89%	Bio-Aug, Disinfection, Dechlor
Grooming, Snow Removal & Vehicle Storage		3,500	0%	0	3,500	0%	
Engineering & Consulting	2,373	5,000	47%	798	5,000	16%	
Legal & Accounting	8,680	10,000	87%	403	10,000	4%	
Equipment Rental	386	600	64%	429	600	72%	
Repairs & Maintenance	35,554	78,214	45%	2,756	60,000	5%	
Laboratory Fees	8,154	25,000	33%	3,874	18,000	22%	
Regulatory Reporting & Comp. Projects	1,759	6,500	27%	1,743	6,500	27%	
Taxes, Fees, Licenses & Assessments	7,745	30,000	26%	10,292	33,000	31%	
Utilities	17,633	55,000	32%	23,282	55,000	42%	30 % Inc Elec for Treatment
<b>Subtotal Operating Expenses</b>	<b>198,637</b>	<b>603,090</b>	<b>33%</b>	<b>172,125</b>	<b>602,208</b>	<b>29%</b>	Expense Target =25%
<b>Net Operational Income</b>	<b>-2,610</b>	<b>175,910</b>	<b>-1%</b>	<b>25,785</b>	<b>159,792</b>	<b>16%</b>	
<b>OTHER REVENUE</b>							
Interest Income - LAIF	821	2,000	41%	1,662	4,000	42%	
Late Fee, Penalties and Interest	4,490	10,000	45%	1,129	0	UBD	
Expense Reimbursements - USFS Campground	3,863	3,863	100%	2,870	2,870	100%	
Expense Reimbursements - Concessionaire	5,290	5,290	100%	4,608	4,608	100%	
Misc Other Income	24	0	UBD	10	0	UBD	
<b>Subtotal Other Revenue</b>	<b>14,488</b>	<b>21,153</b>	<b>68%</b>	<b>10,279</b>	<b>11,478</b>	<b>90%</b>	
<b>OTHER EXPENSES</b>							
Loan Interest	4,917	18,809	26%	4,479	17,203	26%	
Depreciation	22,724	114,223	20%	27,951	103,451	27%	
Misc Expense			UBD	10	0	UBD	
<b>Subtotal Other Expenses</b>	<b>27,641</b>	<b>133,032</b>	<b>21%</b>	<b>32,440</b>	<b>120,654</b>	<b>27%</b>	
<b>Net Other Income</b>	<b>(13,153)</b>	<b>(115,156)</b>	<b>11%</b>	<b>(22,160)</b>	<b>(109,176)</b>	<b>20%</b>	
<b>NET INCOME</b>	<b>-15,763</b>	<b>60,754</b>	<b>-26%</b>	<b>3,624</b>	<b>50,616</b>	<b>7%</b>	
<b>NON CASH EXPENDITURES (included in net income)</b>							
Depreciation	22,724	114,223	20%	27,951	103,451	27%	
<b>Subtotal Non-Cash Expenses</b>	<b>22,724</b>	<b>114,223</b>	<b>20%</b>	<b>27,951</b>	<b>103,451</b>	<b>27%</b>	
<b>CASH EXPENDITURES ( Not Included in net income)</b>							
Capital Improvements / Replacements	(92,551)	(117,500)	79%	(59,983)	(92,500)	65%	Bee Gulch Lift Station Upgrade
Loan Payments - Principal	(9,168)	(37,629)	24%	(9,605)	(39,134)	25%	
<b>Subtotal Addl Cash Expenses</b>	<b>(101,719)</b>	<b>(155,129)</b>	<b>66%</b>	<b>(69,588)</b>	<b>(131,634)</b>	<b>53%</b>	
<b>NET CASH FLOW</b>	<b>-94,757</b>	<b>19,848</b>	<b>-477%</b>	<b>-38,013</b>	<b>22,433</b>	<b>-33%</b>	

**BVWD**  
**Balance Sheet Prev Year Comparison**  
**As of September 30, 2018**

	<u>Sep 30, 18</u>	<u>Sep 30, 17</u>	<u>\$ Change</u>	<u>% Change</u>
<b>ASSETS</b>				
<b>Current Assets</b>				
<b>Checking/Savings</b>				
11015 · F&M Bank	399,125.24	313,859.85	85,265.39	27.17%
11018 · LAIF	305,641.68	300,520.47	5,121.21	1.7%
11020 · Petty Cash	50.00	50.00		
11025 · Capital Facilities Fund	21,656.00	21,656.00		
<b>Total Checking/Savings</b>	<u>726,472.92</u>	<u>636,086.32</u>	<u>90,386.60</u>	<u>14.21%</u>
<b>Accounts Receivable</b>				
11050 · Accounts Receivable	-18,215.22	-18,259.46	44.24	0.24%
<b>Total Accounts Receivable</b>	<u>-18,215.22</u>	<u>-18,259.46</u>	<u>44.24</u>	<u>0.24%</u>
<b>Other Current Assets</b>				
11055 · Accounts Receivable-Tax Roll	18,317.28	13,862.95	4,454.33	32.13%
11140 · Prepaid Insurance	7,966.50	7,349.48	617.02	8.4%
<b>Total Other Current Assets</b>	<u>26,283.78</u>	<u>21,212.43</u>	<u>5,071.35</u>	<u>23.91%</u>
<b>Total Current Assets</b>	<u>734,541.48</u>	<u>639,039.29</u>	<u>95,502.19</u>	<u>14.95%</u>
<b>Fixed Assets</b>				
12010 · Land	25,805.16	25,805.16		
12020 · SbSrfLine	1,196,893.29	1,196,893.29		
12040 · Col Facilities	425,176.65	365,904.61	59,272.04	16.2%
12041 · LA Facilities	166,428.79	166,428.79		
12050 · TRT Facilities	1,127,133.14	1,122,304.14	4,829.00	0.43%
12060 · DSP Facilities	1,244,788.01	1,217,330.65	27,457.36	2.26%
12080 · P & A (Plant & Admin)Facilities	482,118.91	340,264.59	141,854.32	41.69%
12100 · Accumulated Depreciation	-2,589,839.76	-2,482,984.25	-106,855.51	-4.3%
14030 · Work in Progress				
14030.0 · W.I.P. - GIS Consulting Support		12,674.00	-12,674.00	-100.0%
14030.5 · WIP - Dechlorination System II		13,495.63	-13,495.63	-100.0%
14030.8 · SCADA Monitoring Alarm System		93,945.81	-93,945.81	-100.0%
14031.0 · W.I.P. Eq. House Transfer Pumps		4,829.00	-4,829.00	-100.0%
16501.1 · W.I.P. Mix Zone Study Phase II		5,862.00	-5,862.00	-100.0%
16530 · Hydro Jetter		59,272.04	-59,272.04	-100.0%
16540 · Bee Gulch Lift Station Upgrade	59,982.85		59,982.85	100.0%
<b>Total 14030 · Work in Progress</b>	<u>59,982.85</u>	<u>190,078.48</u>	<u>-130,095.63</u>	<u>-68.44%</u>
<b>Total Fixed Assets</b>	<u>2,138,487.04</u>	<u>2,142,025.46</u>	<u>-3,538.42</u>	<u>-0.17%</u>
<b>TOTAL ASSETS</b>	<u><u>2,873,028.52</u></u>	<u><u>2,781,064.75</u></u>	<u><u>91,963.77</u></u>	<u><u>3.31%</u></u>
<b>LIABILITIES &amp; EQUITY</b>				
<b>Liabilities</b>				
<b>Current Liabilities</b>				
<b>Accounts Payable</b>				
21021 · Accounts Payable	51,216.29	27,499.63	23,716.66	86.24%
<b>Total Accounts Payable</b>	<u>51,216.29</u>	<u>27,499.63</u>	<u>23,716.66</u>	<u>86.24%</u>
<b>Other Current Liabilities</b>				
21090 · Payroll Liabilities	19,399.72	24,705.79	-5,306.07	-21.48%



**BVWD**  
**Balance Sheet Prev Year Comparison**  
**As of September 30, 2018**

	Sep 30, 18	Sep 30, 17	\$ Change	% Change
2110 · Direct Deposit Liabilities	-8.18	3.54	-11.72	-331.07%
22021 · Accrued Vacation	7,679.54	5,673.91	2,005.63	35.35%
Total Other Current Liabilities	27,071.08	30,383.24	-3,312.16	-10.9%
Total Current Liabilities	78,287.37	57,882.87	20,404.50	35.25%
Long Term Liabilities				
26025 · F&M Bank Loan	445,976.43	484,048.46	-38,072.03	-7.87%
Total Long Term Liabilities	445,976.43	484,048.46	-38,072.03	-7.87%
Total Liabilities	524,263.80	541,931.33	-17,667.53	-3.26%
Equity				
29000 · Retained Earnings	1,748,484.24	2,254,896.13	-506,411.89	-22.46%
29100 · O & M Emergency Reserve Fund	150,000.00		150,000.00	100.0%
29200 · CIP Reserve Fund	425,000.00		425,000.00	100.0%
29300 · Capacity Fee Reserve Fund	21,656.00		21,656.00	100.0%
Net Income	3,624.48	-15,762.71	19,387.19	122.99%
Total Equity	2,348,764.72	2,239,133.42	109,631.30	4.9%
<b>TOTAL LIABILITIES &amp; EQUITY</b>	<b>2,873,028.52</b>	<b>2,781,064.75</b>	<b>91,963.77</b>	<b>3.31%</b>

BVWD  
A/P Aging Summary  
As of July 31, 2018

Prepaid July 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
A.T.&T.	45					45.00	U-Verse for Main Office
A.T.&T.	137					137.46	Telephone
A.T.&T.	124					124.00	Telephone
Card Services	740					740.30	Office Supplies, Field Supplies
E.D.D.	120					119.61	State Payroll Taxes
E.D.D.	284					284.44	State Payroll Taxes
E.D.D.	119					118.93	State Payroll Taxes
E.D.D.	272					272.19	State Payroll Taxes
F&M Bank	4695					4694.80	Principal & Interest on Loan
P.G.E.	9131					9130.69	Electricity
IRS	3039					3038.54	Federal Payroll Tax
IRS	2996					2996.48	Federal Payroll Tax
IRS	6					6.44	Federal Payroll Tax
Lake Alpine Water	179					179.46	Water for Main Office
SDRMA	1746.24					1746.24	Health Insurance
SDRMA	487.33					487.33	Ancillary Insurance
SDRMA	171.23					171.23	LTD Insurance
Vantage Point	337.72					337.72	401 Plan
Vantage Point	1189.61					1189.61	457 Plan
Vantage Point	1225.19					1225.19	457 Plan
Vantage Point	339.68					339.68	401 Plan
The Zenith	974					974.00	Workers Compensation Insurance
TOTAL	\$ 28,359.34	0	0	0	0	\$ 28,359.34	

Accounts Payable July 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.	468.00	943.00				1411.00	Lab Analysis
Alpine County Public Works	521.73					521.73	Fuel
Bear Valley Snowmobile Inc.		-213.24				-213.24	JE
Columbia Communications Inc.		39.00				39.00	Pager
CVCWA		2,075.00				2075.00	Membership
Ebbetts Pass Lumber Co. Inc.		24.92				24.92	Field Supplies
El Dorado Septic Service, Inc.		107.25				107.25	Porta Potty Rental
Environmental Leverage Inc.		1,173.06				1173.06	Micronutrients
Gateway Press Inc.		389.32				389.32	Envelopes



**BWVD**  
**A/P Aging Summary**  
As of July 31, 2018

Accounts Payable July 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Lake Alpine Water				-0.02	-0.02	-0.04	Auto Payment Debit Variance
Neumiller and Beardslee		275.00				275.00	Legal
Pioneer Electric	406.89					406.89	Repair & Maintenance
Thatcher Company of California			-150.00			-150.00	Container Deposit Refund
Weber Ghio and Associates, Inc		135.00				135.00	Engineering
<b>TOTAL</b>	<b>\$ 1,396.62</b>	<b>\$ 4,948.31</b>	<b>\$ (150.00)</b>	<b>\$ (0.02)</b>	<b>\$ (0.02)</b>	<b>\$ 6,194.89</b>	

**BVWD**  
**A/P Aging Summary**  
As of August 31, 2018

Prepays August 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Aqua Sierra Controls	\$21,757.58					\$21,757.58	Bee Gulch Lift Station
A.T. & T.	\$116.81					\$116.81	Telephone at Lake Alpine Boat Ramp
A.T. & T.	\$140.10					\$140.10	Telephone for Main Office
A.T. & T.	\$45.00					\$45.00	U=Verse for Main Office
Card Services	\$993.18					\$993.18	Office, Supplies, Backups, Payroll
Cheq Processing	\$87.93					\$87.93	Simply Deposit Fees
E.D.D	\$349.45					\$349.45	State Payroll Taxes
E.D.D	\$136.80					\$136.80	State Payroll Taxes
E.D.D	\$125.67					\$125.67	State Payroll Taxes
E.D.D	\$319.37					\$319.37	State Payroll Taxes
F&M Bank	\$10.00					\$10.00	Returned Check Fee
F&M Bank	\$4,694.80					\$4,694.80	Principal & Interest on Loan
P.G.E.	\$6,909.43					\$6,909.43	Electricity
I.R.S.	\$3,457.46					\$3,457.46	Federal Payroll Taxes
I.R.S.	\$3,089.52					\$3,089.52	Federal Payroll Taxes
Lake Alpine Water	\$147.22					\$147.22	Water for Main Office
SDRMA	\$1,746.24					\$1,746.24	Health Insurance
SDRMA	\$205.93					\$205.93	LTD Insurance
SDRMA	\$452.63					\$452.63	Anticiliary Insurance
Vantage Point	\$1,280.98					\$1,280.98	457 Plan
Vantage Point	\$357.92					\$357.92	401 Plan
Vantage Point	\$1,218.18					\$1,218.18	457 Plan
Vantage Point	\$367.08					\$367.08	401 Plan
The Zenith	\$974.00					\$974.00	Workers Compensation
<b>TOTAL</b>	<b>\$48,983.28</b>					<b>\$48,983.28</b>	

Accounts Payable August 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.		877.00				\$877.00	Laboratory Fee
Alpine County Public Works	468.78		521.73			\$990.51	Fue
Bear Valley Snowmobile Inc.				-213.24		-\$213.24	JE
Ebbetts Pass Lumber Co. Inc.		86.38				\$86.38	Field Supplies
El Dorado Septic Service, Inc.		107.25				\$107.25	Porta Potty Rental
Environmental Leverage Inc.		585.60				\$585.60	Micronutrients



BWVD  
A/P Aging Summary  
As of August 31, 2018

Accounts Payable August 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Lake Alpine Water					-0.04	-\$0.04	Auto Pay Variance
Lou's Gloves, Inc.		154.00				\$154.00	Field Supplies
Pioneer Electric	268.75					\$268.75	Repair & Maintenance
Sealing Systems, Inc.		973.30				\$973.30	Supplies
Stantec Consulting Services Inc.		1,742.50				\$1,742.50	Regulatory Reporting
Thatcher Company of California					-150.00	-\$150.00	Refund for Containers
Weber Ghio and Associates, Inc		797.70				\$797.70	Engineering
<b>TOTAL</b>	<b>737.53</b>	<b>5,323.73</b>	<b>521.73</b>	<b>-213.24</b>	<b>-150.04</b>	<b>\$6,219.71</b>	

# BVWD

## A/P Aging Summary

As of September 30, 2018

Prepays September 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
A.T. & T.	45					45	U-Verse for Main Office
A.T. & T.	115.86					115.86	Telephone for Lake Alpine Boat Ramp
A.T. & T.	138.78					138.78	Telephone for Main Office
Cheq Processing	56.85					56.85	Simply Deposit Fees
E.D.D.	290.53					290.53	State Payroll Taxes
E.D.D.	121.99					121.99	State Payroll Taxes
E.D.D.	133.45					133.45	State Payroll Taxes
E.D.D.	396.89					396.89	State Payroll Taxes
F & M Bank	4694.8					4694.8	Principal & Interest on Loan
I.R.S.	3166.16					3166.16	Federal Payroll Tax
I.R.S.	3581.46					3581.46	Federal Payroll Tax
Lake Alpine Water Co.	147.22					147.22	Water for Main Office
Night Owl Lock Service	392.13					392.13	Repair Main Office Front Door Lock
P.G. & E.	3923.54					3923.54	Electricity
SDRMA	658.56					658.56	Ancillary Insurance
SDRMA	1746.24					1746.24	Health Insurance
Vantage Point	346.84					346.84	401 Plan
Vantage Point	1244.02					1244.02	457 Plan
Vantage Point	381.24					381.24	401 Plan
Vantage Point	1311.66					1311.66	457 Plan
The Zenith	974					974	Workers Compensation Insurance
<b>TOTAL</b>	<b>\$ 23,867.22</b>					<b>\$ 23,867.22</b>	

Accounts Payable September 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
Alpha Analytical Laboratories Inc.		1,545.00				1,545.00	Laboratory
Alpine Cnty Tax Collector		520.79				520.79	Property Tax
Aqua Sierra Controls, Inc.		38,090.27				38,090.27	Bee Gulch Lift Station
AquaFix		3,747.25				3,747.25	Supplies
Arnold Auto Supply Inc.		81.99				81.99	Supplies
Bear Valley Snowmobile Inc.					-213.24	-213.24	JE
Card Services		1,573.55				1,573.55	Office, Field, Payroll, Backups, Lab
EBBETTS PASS GAS CO. Inc.		445.46				445.46	Propane for Main Office & Lake Alpine Boat Ramp
Ebbetts Pass Lumber Co. Inc.		89.60	15.80			105.40	Supplies



**BVWD**  
**A/P Aging Summary**  
As of September 30, 2018

Accounts Payable September 2018	Current	1 - 30	31 - 60	61 - 90	> 90	TOTAL	Description
El Dorado Septic Service, Inc.		107.25				107.25	Porta Potty Rental
Jeff Gouveia	100.83					100.83	Mileage Reimbursement
Lake Alpine Water					-0.04	-0.04	Auto Pay Variance
Neumiller and Beardslee		128.00				128.00	Legal
Pioneer Electric		107.50				107.50	Repair & Maint
Thatcher Company of California		4,897.39				4,897.39	Chlorine
<b>TOTAL</b>	<b>\$ 100.83</b>	<b>\$ 51,334.05</b>	<b>\$ 15.80</b>		<b>\$ (213.28)</b>	<b>\$ 51,237.40</b>	

**BVWD**  
**A/R Aging Summary**  
**As of November 15, 2018**

	<u>Current</u>	<u>1 - 30</u>	<u>31 - 60</u>	<u>61 - 90</u>	<u>&gt; 90</u>	<u>TOTAL</u>
CM080		632.52				632.52
CS116			271.11	27.11	380.44	678.66
BV124			271.11	27.11	569.33	867.55
TM005			271.11	27.11	569.33	867.55
BV338			271.11		596.44	867.55
CM180		2,716.80			267.04	2,983.84
CM110		3,253.32				3,253.32
CM150		10,212.80			0.40	10,213.20
CM010		14,897.95			-2.00	14,895.95
<b>TOTAL</b>	<u></u>	<u><b>33,362.89</b></u>	<u><b>-4,550.66</b></u>	<u><b>-285.12</b></u>	<u><b>-40,585.67</b></u>	<u><b>-12,058.56</b></u>
<b>TOTAL CREDITS</b>		-1,649.03	-4,550.66	-1,071.31	-47,890.09	-55,161.09
<b>TOTAL DEBITS</b>		35,011.92	0	786.19	7304.42	43,102.53
<b>TOTAL</b>		<u><b>33,362.89</b></u>	<u><b>-4,550.66</b></u>	<u><b>-285.12</b></u>	<u><b>-40,585.67</b></u>	<u><b>-12,058.56</b></u>

**Accounts Receivable as of 15 November 2017**

<b>TOTAL</b>	<u>54.22</u>	<u>43,157.37</u>	<u>27,059.18</u>	<u>2,018.86</u>	<u>-35,982.75</u>	<u>36,306.88</u>
<b>TOTAL CREDITS</b>	0	-2,535.33	-27.22	-446.35	-42,048.15	-45,057.05
<b>TOTAL DEBITS</b>	54.22	45,692.70	27086.4	2465.21	6065.40	81,363.93
<b>TOTAL</b>		<u><b>43,157.37</b></u>	<u><b>27,059.18</b></u>	<u><b>2,018.86</b></u>	<u><b>-35,982.75</b></u>	<u><b>36,306.88</b></u>