

***SHEEP CREEK WATER COMPANY  
REGULAR BOARD OF DIRECTORS MEETING  
May16, 2023 ~ 6:00 PM  
SHEEP CREEK WATER COMPANY – via Zoom  
4200 Sunnyslope Rd., Phelan, CA 92371***

The Sheep Creek Water Company Regular Board of Directors Meeting will be held via Zoom Meeting for Shareholder participation. Shareholders may access the meeting remotely with the following options. Due to limited space anyone who like to attend meetings in person are required to RSVP not less than twenty-four (24) hours prior to the meeting. If space is available the staff will confirm. Anyone that attends the meeting without an RSVP shall be turned away if space capacity is reached.

**Remote Participation Information:**

**Zoom:**

<https://us02web.zoom.us/j/3906593621?pwd=MFIGQUtSRXNIVetXdHE4MXNKUWR0dz09>

Meeting ID: 390 659 3621

Passcode: 5tDqwX

**One tap mobile**

+16699006833,,3906593621#,,,,\*438071# US (San Jose)

**Dial-In**

(669) 900-6833

Meeting ID: 390 659 3621

Passcode: 438071

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***AGENDA***

- 1) **Open Meeting- 6:00 PM**
  - a. Flag Salute
  - b. Invocation
- 2) **Consent Motions**
  - a. Minutes:
    - i. *Regular Board of Directors Meeting- April 18, 2023*
  - b. Bills:
    - i. *April 18, 2023 through May 16, 2023*
  - c. Managers' Report: Included in Board Packet
- 3) **Open Forum/Public Comment-** Under this item any member of the Board or Public may address the Board on any item relating to the company not listed on this agenda. However, the Board is prohibited under AB 240 from taking any action on an item not appearing on the agenda. Board president will call on each participant and at that time you have three (3) minutes to speak. Please be advised that this meeting will be recorded for documentation purposes and to help the accuracy of meeting minutes.

4) **Old Business**

*Action Items:*

- a. New Well Drilling Contract
- b. Well 8 Rehab Contract
- c. Upgrade Master Plan Contract
- d. Future Share Program

*Information Items:*

- a. System Update

5) **New Business**

*Action Items:*

- a. New Meter
- b. Account 197
- c. Board Rules and Procedures

6) **Next Scheduled Meeting**

- a. June 20,2023

7) **Closed Session**

- a. None

8) **Adjournment**

**SHEEP CREEK WATER COMPANY**  
**REGULAR BOARD OF DIRECTORS MEETING MINUTES**  
**April 18, 2023 ~ 6:00 PM**  
**SHEEP CREEK WATER COMPANY – Board Room**  
**4200 Sunnyslope Rd., Phelan, CA 92371**

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The Regular Board of Directors Meeting of April 18, 2023, was called to order at 6:01 PM by President Andy Zody. General Manager Joseph Tapia led the Pledge of Allegiance. Director Eric York led the Invocation. Andy Zody reminded all present and listening that all meetings are recorded for the accuracy of the minutes.

- a. Directors Present:
  - Andy Zody is in attendance as Presiding President.
  - Luanne Uhl is in attendance as Vice President, Presiding President.
  - Kellie Williams is in attendance as Secretary/Treasurer.
  - David Nilsen is in attendance as presiding Director.
  - Eric York is in attendance as presiding Director.
- b. Guests Present: Peter Barnes, Elizabeth Barnes, and James attended via Zoom.

**1) Consent Motions**

- a. Minutes:
  - i. *Regular Board of Directors Meeting- March 16, 2023*
  - i. *Regular Board of Directors Meeting- March 23, 2023*
- b. Bills:
  - i. *March 14, 2023 through April 18, 2023*
- c. Managers' Report: Included in Board Packet

*David Nilsen moved to accept the Consent Motions are presented. Luanne Uhl seconded the motion. Motion Carried.*

- 2) Open Forum/Public Comment-** Under this item any member of the Board or Public may address the Board on any item relating to the company not listed on this agenda. However, the Board is prohibited under AB 240 from taking any action on an item not appearing on the agenda. Board president will call on each participant and at that time you have three (3) minutes to speak. Please be advised that this meeting will be recorded for documentation purposes and to help the accuracy of meeting minutes. All guests that have joined via zoom, please state your first and last name.

**3) Old Business**

*Action Items:*

- a. 2023 Annual Meeting Ballot

*Information Items:*

*Zody moved to approve the ballots as presented.*  
*York seconded the motion.*

*Discussion followed – Nilsen does not want the ballots to be handed out until everyone has had time to be nominated. This way, all shareholders had time to listen and not vote too early.*

- a. System Update – see Appendix A

#### **4) New Business**

*Action Items:*

- a. Phelan Chamber of Commerce Sponsorship

Uhl – Moved to approve the Silver Sponsorship for the Phelan Chamber of Commerce.

Williams – 2<sup>nd</sup> the motion

Motion Passed – 5 yes, 0 no

- b. New Meter

Nilsen – moved to approve the Meter Application

Uhl – second the motion

Motion Passed – 5 yes, 0 no

*Information Items:*

- a. Parcel 303734105

Nilsen moves to lay on the table until the company lawyer provides further information.

Discussion to follow.

York seconded the motion to lie on the table.

No further discussion.

#### **5) Next Scheduled Meeting**

- a. May 6, 2023 - Annual Shareholder Meeting- Pinon Mesa Middle School-10 AM
  - i. Organizational meeting immediately following the conclusion of the meeting and counting of the votes. (All newly elected Board members are required to attend).

Nilsen's discussion followed, and he would like to post an Organizational meeting.

Nilsen wants an expert to train the board on Robert's Rules of Order in June 2023.

May 16, 2023 – Next Board meeting

#### **6) Closed Session 7 pm**

- a. Employee Evaluation
- b. Contract Negotiations Engineer
- c. Contract Negotiations Well Driller

#### **7) Open Session 7:37 pm**

- Nilsen moved to approve Employee's Annual Evaluation
- Uhl seconded the motion.  
Motion Passed 5 yes, 0 no
- Board reviewed the contract and would like to place the estimated cost of the engineering plan on the May 16<sup>th</sup> agenda.
- Board reviewed the contract and would like to place the well driller contract rehab on the May 16<sup>th</sup> agenda.

**8) Adjournment 7:40 pm**

Respectfully Submitted,

***Kellie Williams-Secretary/Treasurer***  
***Sheep Creek Water Company***  
***Board of Directors***

Appendix A:

**PRODUCTION**

- March Production- 35.22 AF; 2023 Year to Date Production- 104.09
- March Usage- 27.05 AF; 2023 Year to Date Consumption- 79.14

**Well soundings, 2023:**

- Static Water Levels compared March 2022 to March 2023:

**Well 2A** static level is up 11.55 feet – Water Level 260.14’

**Well 3A** static level is up 4.62 feet – Water Level 270.58’

**Well 4A** static level is up 3.10 – Water Level 284.44’

**Well 5** static level is up 9.24 feet – Water Level 269.50’

**Well 8** static level is up 9.24 feet – Water Level 310.64’

**Well 11** static level had no change – Water Level 948’

**Tunnel** the Tunnel flow is currently averaging 156

- Well 2A running an average of 1.2 hours a day. Ran for 1 day.
- Well 3A running an average of 1.2 hours a day. Ran for 1 day.
- Well 4A running an average of 1.2 hours a day. Ran for 1 day.
- Well 5 running an average of 1.2 hour a day. Ran for 1 day.
- Well 8 running an average of 7.66 hours a day. Ran for 28 days.
- Well 11 running an average of 1 hour a day. Ran for 1 day.
- Total pumping capacity as of March 31, 2023 is 2,261 gpm.
- Current usage is averaging 284,000 gallons per day, 197 gallons per minute
- **Allotment Tier 1 – First share on account remain 750 CF/Share and Remaining shares 150 CF/Share. \$0.55 per hcf**
- **Allotment Tier 2 – 150 CF/Share all shares after Tier 1 \$4.50 per hcf**
- **Tier 3 Overage- No Allotment \$10.00 per hcf**

**Work Completed or in Progress-March 2023**

- Work orders as office requests
- Well soundings – weekly
- Well samples- weekly
- 2 - Meter upgrades
- 1-Mainline leaks / 1- service line leaks
- 2-Service Line Replacements
- Valve Exercising
- San Bernardino County Environmental Services came out and measured Joshua Tree Distance on proposed well sites.

**Sheep Creek Water Company**  
**4200 Sunnyslope Rd.**  
**P.O. Box 291820**  
**Phelan, CA 92329-1820**  
*Office (760) 868-3755/Fax (760) 868-2174*  
*Email [sheepcreek@verizon.net](mailto:sheepcreek@verizon.net) / [www.sheepcreekwater.com](http://www.sheepcreekwater.com)*  
**Regular Board of Directors Meeting – Managers Report**

May 16, 2023

**PRODUCTION**

- April Production- 41.22 AF; 2023 Year to Date Production- 145.31
- April Usage- 28.96 AF; 2023 Year to Date Consumption- 108.10

**Well soundings, 2023:**

- Static Water Levels compared April 2022 to April 2023:
  - Well 2A** static level is up 11.55 feet – Water Level 260.14'
  - Well 3A** static level is up 9.24 feet – Water Level 265.96'
  - Well 4A** static level is up 3.10 – Water Level 284.44'
  - Well 5** static level is up 9.24 feet – Water Level 269.85'
  - Well 8** static level is up 13.86 feet – Water Level 306.02'
  - Well 11** static level had no change – Water Level 948'
- Tunnel** the Tunnel flow is currently averaging 175
- Well 2A running an average of 2.4 hours a day. Ran for 4 days.
- Well 3A running an average of 6 hours a day. Ran for 5 days.
- Well 4A running an average of 1 hour a day. Ran for 1 day.
- Well 5 running an average of 2.3 hour a day. Ran for 4 days.
- Well 8 running an average of 8.56 hours a day. Ran for 27 days.
- Well 11 running an average of 1.9 hours a day. Ran for 1 day.
- Total pumping capacity as of April 30, 2023 is 2,067 gpm.
- Current usage is averaging 314,000 gallons per day, 218 gallons per minute
- **Allotment Tier 1 – First share on account remain 750 CF/Share and Remaining shares 150 CF/Share. \$0.55 per hcf**
- **Allotment Tier 2 – 150 CF/Share all shares after Tier 1 \$4.50 per hcf**
- **Tier 3 Overage- No Allotment \$10.00 per hcf**

**Work Completed or in Progress-April 2023**

- Work orders as office requests
- Well soundings – weekly
- Well samples- weekly
- 3 - Meter upgrades
- 0-Mainline leaks / 0- service line leaks
- Repair Round House Door
- Storage Tank Assessment done by USG Water Solutions
- Auto Maintenance Completed



Office  
1717 W. Park Ave.  
Redlands, CA. 92373  
909-390-2833  
[www.graniteconstruction.com](http://www.graniteconstruction.com)

5/3/2023

Sheep Creek Water Company  
Joel Tapia  
4200 Sunnyslope Road  
Phelan, CA 92329

RE: 1500 ft by 14 in HSLA Cased Production Well

Dear Mr. Joel Tapia .

We are pleased to present our project estimate for the referenced work to be provided at 4200 Sunnyslope Road.

The work includes the furnishing of all labor, materials, transportation, tools, services, supplies, and equipment necessary for the complete and satisfactory drilling of three production wells. The wells will be drilled using reverse circulation rotary drilling method. Bore-hole is 17.5 inch to a depth of 1,500 ft. Geophysical logging and reaming the borehole to 26 inch. Caliper Logging each well. Well will be constructed of 14-inch High-Strength Low-Allow steel. Full-flow louvered well screened interval to be determined. 2 gravel tubes and 1 sounding tube. Wells will be developed for 36 hours. Step Rate test pump 6 hours and 24 hours constant rate on each well. Construct a concrete pedestal 2' x 2' x 2'

The attached estimate is valid for 30 days and is subject to Layne Terms and Conditions.

Thank you for choosing Layne Christensen Company and giving us the opportunity to be your water resources solution provider.

Sincerely,

Ty Mull  
Account Manager  
909-836-4574





# PROPOSAL

Client: Sheep Creek Water Company  
 Contact: Joel Tapia  
 Address: 4200 Sunnyslope Road  
 City, State, Zip: Phelan, CA 92329  
 Project: 1500 ft by 14 in HSLA Cased Production Well  
 Phone: 760-868-3755  
 Email: [sheepcreek@verizon.net](mailto:sheepcreek@verizon.net)

Date: May 3, 2023  
 Written By: Ty Mull  
 Quote No.: SXD2324  
 Phone: 909-836-4574  
 Email: [Ty.Mull@wcinc.com](mailto:Ty.Mull@wcinc.com)  
 Project Address: 4200 Sunnyslope Road  
 Phelan, CA 92329

Project Description		1500 ft by 14 in HSLA Cased Production Well					
LINE ITEM	Description	Taxable	Qty	U/M	Cost/Ea.	Sub Total	
1	ALL NECESSARY PERMITS		1	LS	\$2,831.00	\$2,831.00	
2	MOBILIZATION/DEMOBILIZATION		1	LS	\$140,600.00	\$140,600.00	
3	DRILL/INSTALL 30-IN CONDUCTOR CEMENTED		50	EA	\$613.00	\$30,650.00	
4	17.5-IN PILOT HOLE TO 1,500-FT		1,500	FT	\$155.00	\$232,500.00	
5	E-LOGS		1	FT	\$10,000.00	\$10,000.00	
6	24-IN REAM TO 1,500-FT		1,500	EA	\$158.00	\$237,000.00	
7	CALIPER LOGS		1	FT	\$7,000.00	\$7,000.00	
8	14-IN .312 HSLA BLANK CASING		1,000	EA	\$188.00	\$188,000.00	
9	14-IN .312 HSLA LOUVERED		500	FT	\$235.00	\$117,500.00	
10	3-IN SCH 80 GRAVEL PACK TUBE		540	FT	\$35.00	\$18,900.00	
11	TACNA 6X16 GRAVEL PACK		1,420	FT	\$25.00	\$35,500.00	
12	CEMENT SEAL		100	FT	\$109.00	\$10,900.00	
13	OPEN ENDED AIRLIFT		10	FT	\$775.00	\$7,750.00	
14	DUAL SWAB AIRLIFT		40	HR	\$775.00	\$31,000.00	
15	INSTALL TEST PUMP AND REMOVE - 1,400-FT MAX /WELL		1	HR	\$80,000.00	\$80,000.00	
16	DEVELOPMENT PUMPING		36	EA	\$350.00	\$12,600.00	
17	STEP TEST		8	HR	\$350.00	\$2,800.00	
18	CONSTANT RATE TEST		24	HR	\$350.00	\$8,400.00	
19	CONCRETE PEDESTAL 2X2X2		1	HR	\$14,000.00	\$14,000.00	
						Sub Total	\$1,187,931.00
						Sales Tax	
						Base Bid	\$1,187,931.00

## Additional Terms and Conditions

- Price based on attached Layne terms and conditions.
- By signing below, Client acknowledges receipt of Layne Well Drilling T&C's.
- Price is based on good ingress and egress to site.
- Client will provide a level and clear drill pad of 150 ft x 150 ft
- Client provides adequate water supply of 100 gpm within 300 ft of well site
- Client provides adequate and legal location to discharge drilling fluid and aquifer test water.
- Price based on standard wage rates
- Hard Formation/Slow Penetration Clause of less than 5 ft per hour applies at hourly rate of \$650/hour and materials at cost plus 15%.
- Lost Circulation Clause applies: In the event subsurface and/or geologic conditions affect a loss of circulation and/or an adequate fluid level in the borehole cannot be maintained for at least two consecutive hours, the client will be notified, and drilling operations will revert to
- Layne's hourly rate of \$650/hr and material at cost plus 15% mark-up.
- Estimate is based on median fuel as of 05-03-2023
- Increases realized at time of purchase will be invoiced at cost plus 15%.
- Layne cannot guarantee water quality nor quantity
- If approved, sign and return

Prices are good for 30 days from date of proposal

Layne Christensen Company

Sheep Creek Water Company

5/3/2023

DATE

Date

Thank you for the opportunity to be your water resource solution.

## TERMS AND CONDITIONS

**LIABILITY OF CONTRACTOR:** Contractor shall not be liable for any bodily injury, death, or injury to or destruction of tangible property except as the same may have been caused by the negligence of Contractor. In no event shall Contractor be liable for any delays or special, indirect, incidental or consequential damages. Purchaser agrees that the total limit of Contractor's liability (whether based on negligence, warranty, strict liability or otherwise) hereunder, shall not exceed the aggregate amount due Contractor for services rendered under this contract. All claims, including claims for negligence or any other cause whatsoever, shall be deemed waived unless made in writing and received by Contractor within one (1) year after Contractor's completion of work hereunder.

**INSURANCE:** Contractor shall provide workers' compensation insurance, public liability and property damage insurance covering its employees and operation. Purchaser, at its option, may maintain such insurance as will protect it against claims arising out of the work.

**REIMBURSABLE COST:** In addition to the hourly charge provided on the face of this contract, Purchaser will reimburse Contractor for travel and living expenses necessarily incurred by the Contractor in the performance of the work, minor incidental expenses such as overnight mail, telephone and petty cash expenditures necessarily incurred, cost of removal of all debris if so directed by Purchaser, sales, consumer, use and similar taxes required by law and the cost of permits and all licenses necessary for the execution of the work. The foregoing costs shall be billed at actual cost plus fifteen percent (15%) unless otherwise agreed upon.

**PRICE ADJUSTMENT:** Any cost estimates or time frames stated herein are subject to equitable adjustment in the event of differing or unforeseeable conditions, changes in applicable laws after the date of this contract, unforeseeable delays or difficulties caused by acts of God, Purchaser or any third parties. Prices of goods acquired by Contractor from others shall be adjusted to reflect Contractor's price in effect at time of shipment. The price of Contractor's goods will be adjusted to the price in effect at time of shipment in accordance with Contractor's current escalation policies or as specifically covered in this contract.

**TERMS:** Thirty (30) days net from date of invoice. For extended projects, Contractor shall submit invoices on a monthly basis for any and all work completed and materials or equipment provided during the previous month. Past due invoices shall be subject to a delinquency charge of one and one-half percent (1-1/2%) per month (eighteen percent (18%) per annum) unless a lower charge is required under applicable law, in which case the lower rate shall apply. Purchaser agrees to pay all collection fees, attorneys' fees and costs incurred in the collection of any past due amounts arising out of this contract. Contractor shall have the right to immediately terminate this contract without further liability if Purchaser fails to make timely payment or otherwise materially breaches this contract.

**MATERIAL SHORTAGES AND COST INCREASES:** If any portion of materials or equipment which Contractor is required to furnish becomes unavailable, either temporarily or permanently, through causes beyond the control and without the fault of Contractor, then in the case of temporary unavailability any completion time frames shall be extended for such period of time as Contractor shall be delayed by such above-described unavailability, and in the case of permanent unavailability Contractor shall be excused from the requirement of furnishing such materials or equipment. Purchaser agrees to pay Contractor any increase in cost between the cost of the materials or equipment which have become permanently unavailable and the cost of the closest substitute which is then reasonably available.

**DELAYS:** If Contractor is delayed at any time in the progress of work by labor disputes, fire, unusual delays in transportation, unavoidable casualties, weather, or any cause beyond Contractor's reasonable control, then any completion time frames shall be extended by a reasonable period of time, at least equal to the period of delay.

**CHANGED CONDITIONS:** The discovery of any hazardous waste, substances, pollutants, contaminants, underground obstructions or utilities on or in the job site which were not brought to the attention of Contractor prior to the date of this contract will constitute a materially different site condition entitling Contractor, at its sole discretion to immediately terminate this contract without further liability.

**ESCALATION:** This contract is made with the understanding that Contractor will be able to begin and continuously proceed with its work on or before the proposed start date on the reverse side hereof. In the event Contractor is unable to commence its work on or before said date because the project is not ready for Contractor's work, Contractor will charge Purchaser the amount of increase in Contractor's cost attributable to such delay, plus Contractor's normal overhead percentage.

**GUARANTEE AND LIABILITY:** Contractor warrants that its labor supplied hereunder shall be free from defect and shall conform to the standard of care in effect in its industry at the time of performance of such labor for a period of twelve (12) months after substantial completion of Contractor's work. Contractor agrees, to the extent it is permitted, to pass on any warranties provided by the manufacturers of materials and/or equipment furnished under this contract. Contractor itself provides no warranty, express, implied or otherwise, on any such materials or equipment. Contractor will not be responsible for: work done, material or equipment furnished or repairs or alterations made by others.

*For any breach hereunder, Contractor shall be liable only for the value of the installation work or, if it wrongfully fails to install, then its liability is limited to the difference between the contract price herein, and the value of other similar installation work. If Contractor's breach damages any materials or equipment furnished hereunder, Contractor shall only be liable for the value of such materials or equipment. Under no circumstances will Contractor be liable for consequential, special or indirect damages, including without limitation, any crop loss or damage, damage to other equipment, structures or property, nor for any other similar or dissimilar damages or losses whether due to delay, failure to furnish or install, delay in installation, defective material or equipment, defective workmanship, defective installation, delay in replacing, nor for any cause or breach whatsoever. In any event, Contractor's total liability towards Purchaser for alleged faulty performance or nonperformance under this contract shall be limited to the total contract price. No materials, equipment or services contracted herein carries any guarantee not mentioned in this contract. THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED.*

**TITLE AND OWNERSHIP:** In case of default on Purchaser's part, Contractor shall have the right to enter the premises upon which any material or equipment furnished herein have been installed and retake such goods not then paid for and pursue any further remedy provided by law, including recovery of attorneys' fees and any deficiency to the maximum extent and in the manner provided by law. Such materials and equipment shall retain their character as personal property of Contractor until payment in full is received by Contractor, regardless of their mode of attachment. Unless prior specific written instructions are received to the contrary, surplus and replaced materials and equipment resulting from repair or installation work shall become the property of Contractor.

**DELIVERY:** Shipment schedules and dates, expressed or implied, are contingent on normal conditions. Contractor will not be responsible for any delays in shipment or completion caused by factors beyond its control such as, but not limited to, suppliers' failures, accidents, work stoppages or operation of or changes in the law. Shipments will be made as promptly as Contractor's ability to obtain materials and/or equipment and scheduling will permit. No delay in shipments or variances from shipping schedule shall be cause of cancellation or any claim for damage. Any changes in layout or design requested after acceptance of this contract will be made at Purchaser's additional cost. Any such change and/or time taken to supply engineering data or to approve drawings will automatically extend shipping schedules. Equipment will be shipped "knocked down" to the extent Contractor considers necessary, with small parts stripped from equipment and crated. On and after delivery to the carrier for transportation to the Purchaser's site, Purchaser shall be responsible for all loss or damage to materials or equipment due to any cause, including but not limited to loss or damage resulting from casualty.

**INDEMNIFICATION:** Purchaser agrees to indemnify and hold Contractor, its directors, officers, stockholders, employees, agents and subcontractors, harmless from and against any and all claims, demands, causes of action (including third party claims, demands or causes of action for contribution or indemnification), liability and costs (including attorneys' fees and other costs of defense) asserted and/or filed by Purchaser or any third party(ies), including without limitation Purchaser's employees, and arising out of or as a result of: (i) the presence of Contractor or its subcontractors at the job site, (ii) the work performed by Contractor or its subcontractors, or (iii) any negligent act or omission of Purchaser, its employees, agents, consultants, other contractors or any person or entity under Purchaser's control; except to the extent that such claims, demands, causes of action, liabilities or costs are caused by the negligence of Contractor or its subcontractors.

**INTERPRETATION:** This contract shall be governed by and construed in accordance with the laws of the state of the job site location. If any term, provision or condition contained herein shall, to any extent, be invalid or unenforceable, pursuant to state law or otherwise, the remainder of the terms, provisions and conditions herein (or the application of such term, provision, or condition to persons or circumstances other than those in respect of which it is invalid or unenforceable) shall not be affected thereby, and each term, provision and condition of this contract shall be valid and enforceable to the fullest extent permitted by law.

**ASSIGNMENT & SUBLETTING:** Purchaser shall not have the right to transfer or assign its rights and/or obligations under this contract to any third party, related or unrelated, without the express written consent of Contractor. Contractor shall have the right to transfer, assign or sublet all or any portion of its rights or obligations hereunder, but such transfer, assignment or subletting shall not relieve Contractor from its full obligations to Purchaser unless such transfer, assignment or subletting is pursuant to the sale of Contractor, or the division of Contractor responsible for this contract, to a third party.

**MISCELLANEOUS:** The terms and conditions set forth herein constitute the entire understanding of the parties relating to the work to be performed, and materials and equipment to be provided, by Contractor for the Purchaser. All previous proposals, offers, and other communications relative to the provisions of the subject work, oral or written, are hereby superseded, except to the extent that they have been expressly incorporated herein. Any modifications or revisions of any provisions herein or any additional provisions contained in any purchase order, acknowledgment, or other form of the Purchaser are hereby expressly objected to by Contractor and shall not operate to modify this contract. This contract shall take effect upon acceptance and execution by both parties.

## Sheep Creek Well No. 8 Pumping Equipment Quote

From: Mull, Ty (ty.mull@gcinc.com)

To: sheepcreek@verizon.net

Cc: david.brashear@gcinc.com

Date: Wednesday, April 12, 2023 at 04:15 PM PDT

Good Afternoon Joe,

Please find attached a quote to replace all the pumping equipment in Well 8 with similar equipment to Well 4A. The equipment includes a Goulds 9TLC-10 stage bowl set that will produce 628 gpm @ 288 ft TDH. 6 in column pipe and 6 in discharge and a new 60 HP Premium Efficiency US Motors motor. Lead times on materials is running 3-4 weeks. We can pull the pump from Well 8 in early May if the access road has been repaired from the winter storms.

Please review the attached proposal and let me know if you have questions. If you approve this price, please sign the quote on page 2 and the pump curve on page 4.

Thank you!

**Ty Mull**

**Account Manager  
Western Region**

717 Park Ave  
Redlands, CA 92373

Phone: (909) 390-2833

Cell: (909) 836-4574

Email: [Ty.Mull@gcinc.com](mailto:Ty.Mull@gcinc.com)

[www.graniteconstruction.com](http://www.graniteconstruction.com)



From: Sheep Creek Water Company <sheepcreek@verizon.net>

Sent: Tuesday, April 11, 2023 9:22 AM

To: Mull, Ty <Ty.Mull@gcinc.com>

Subject: Well 8 Down Size



Office  
1717 W. Park Ave.  
Redlands, CA 92373  
909-390-2833  
[www.graniteconstruction.com](http://www.graniteconstruction.com)

4/12/2023

Sheep Creek Water Company  
Joel Tapia  
4200 Sunnyslope Road  
Phelan, CA 92329

RE: Furnish new pumping equipment for Well 8

Dear Mr. Joel Tapia ,

We are pleased to present our project estimate for the referenced work to be provided at 4200 Sunnyslope Road.

Layne will furnish new pumping equipment matching the design of well 4, being 628gpm@288' tdh. The pump will be set to a depth of 440' bgs on 6"x2"x1-3/16" oil lube column, tube and shafting. A new 6" Goulds cast discharge head with a modified nipple and a new 60HP US motor will be installed. The existing casing will be extended 18" above existing height and topped off with a 150# flange that will mate up with a 16" flange welded on the head nipple. Proposal does not include discharge pipeline or electrical modifications as they will TBD after pump installation. All costs are estimated and actuals will be invoiced.

The attached estimate is valid for 30 days and is subject to Layne Terms and Conditions.

Thank you for choosing Layne Christensen Company and giving us the opportunity to be your water resources solution provider.

Sincerely,

Ty Mull  
Account Manager  
909-836-4574

Client: Sheep Creek Water Company  
 Contact: Joel Tapia  
 Address: 4200 Sunnyslope Road  
 City, State, Zip: Phelan, CA 92329  
 Project: Furnish new pumping equipment for Well 8  
 Phone: 760-868-3755  
 Email: [josephapia1972@icloud.com](mailto:josephapia1972@icloud.com)

Date: April 12, 2023  
 Written By: Ty Mull  
 Quote No.: DMB22069-1  
 Phone: 909-836-4574  
 Email: [Ty.Mull@gcinc.com](mailto:Ty.Mull@gcinc.com)  
 Project Address: 4200 Sunnyslope Road  
 Phelan, CA 92329

Project Description		Furnish new pumping equipment for Well 8				
LINE ITEM	Description	taxable	Qty	UOM	Cost/ea	Sub Total
1	Perform casing modifications		1	LS	\$3,500.00	\$3,500.00
2	Shop - machine and prep new pump		1	LS	\$4,500.00	\$4,500.00
3	Materials					
	US Motors 60HP 460/3 Prem. Eff.; Inverter duty motor	T	1	EA	\$6,500.00	\$6,500.00
	Goulds 6" Type A cast discharge head	T	1	EA	\$3,600.00	\$3,600.00
	Goulds 9TLC-10 stage bowl assembly std. construction 628gpm@288ft TDH	T	1	EA	\$14,000.00	\$14,000.00
	1-3/16" 416SS head shaft assembly	T	1	LS	\$560.00	\$560.00
	2" Goulds top tube	T	1	EA	\$65.00	\$65.00
	6"x36" TBE heavy wall head nipple	T	1	EA	\$400.00	\$400.00
	6"x20' T&C column pipe	T	22	EA	\$675.00	\$14,850.00
	1-3/16"x2"x20' Goulds oil tube and shaft assemblies	T	22	EA	\$550.00	\$12,100.00
	6" SS cone strainer	T	1	EA	\$275.00	\$275.00
	1/4" SS airline and gauge assembly	T	1	LS	\$1,300.00	\$1,300.00
	SS banding, buckles, head flange kit, turbine oil	T	1	LS	\$350.00	\$350.00
	Thrust bearing oil, motor make up kity	T	1	LS	\$325.00	\$325.00
	16" 150# slip flange	T	1	EA	\$300.00	\$300.00
	16" 150# blind flange	T	1	EA	\$550.00	\$550.00
	16" 150# NRG kit	T	1	EA	\$170.00	\$170.00
	16" casing extension	T	1	LS	\$200.00	\$200.00
	Freight		1	LS	\$2,800.00	\$2,800.00
Sub-Total						\$66,345.00
7.75% Sales Tax						\$4,304.74
<b>Total</b>						<b>\$70,649.74</b>

## Additional Terms and Conditions

- 1 Price based on attached Layne terms and conditions.
- 2 By signing below, Client acknowledges receipt of Layne T&C's and Well Rehab Notice.
- 3 Price is based on good ingress and egress to site.
- 4 Price based on standard wage rates
- 5 If approved, sign and return
- 6 Estimate is based on median fuel cost as of 04/12/2023
- 7 Increases realized at time of purchase will be invoiced at cost plus 15%

Prices are good for 30 days from date of proposal

Layne Christensen Company

Sheep Creek Water Company

4/12/2023

DATE

Date

Thank you for the opportunity to be your water resource solution.

## TERMS AND CONDITIONS

**LIABILITY OF CONTRACTOR:** Contractor shall not be liable for any bodily injury, death, or injury to or destruction of tangible property except as the same may have been caused by the negligence of Contractor. In no event shall Contractor be liable for any delays or special, indirect, incidental or consequential damages. Purchaser agrees that the total limit of Contractor's liability (whether based on negligence, warranty, strict liability or otherwise) hereunder, shall not exceed the aggregate amount due Contractor for services rendered under this contract. All claims, including claims for negligence or any other cause whatsoever, shall be deemed waived unless made in writing and received by Contractor within one (1) year after Contractor's completion of work hereunder.

**INSURANCE:** Contractor shall provide workers' compensation insurance, public liability and property damage insurance covering its employees and operation. Purchaser, at its option, may maintain such insurance as will protect it against claims arising out of the work.

**REIMBURSABLE COST:** In addition to the hourly charge provided on the face of this contract, Purchaser will reimburse Contractor for travel and living expenses necessarily incurred by the Contractor in the performance of the work, minor incidental expenses such as overnight mail, telephone and petty cash expenditures necessarily incurred, cost of removal of all debris if so directed by Purchaser, sales, consumer, use and similar taxes required by law and the cost of permits and all licenses necessary for the execution of the work. The foregoing costs shall be billed at actual cost plus fifteen percent (15%) unless otherwise agreed upon.

**PRICE ADJUSTMENT:** Any cost estimates or time frames stated herein are subject to equitable adjustment in the event of differing or unforeseeable conditions, changes in applicable laws after the date of this contract, unforeseeable delays or difficulties caused by acts of God, Purchaser or any third parties. Prices of goods acquired by Contractor from others shall be adjusted to reflect Contractor's price in effect at time of shipment. The price of Contractor's goods will be adjusted to the price in effect at time of shipment in accordance with Contractor's current escalation policies or as specifically covered in this contract.

**TERMS:** Thirty (30) days net from date of invoice. For extended projects, Contractor shall submit invoices on a monthly basis for any and all work completed and materials or equipment provided during the previous month. Past due invoices shall be subject to a delinquency charge of one and one-half percent (1-1/2%) per month (eighteen percent (18%) per annum) unless a lower charge is required under applicable law, in which case the lower rate shall apply. Purchaser agrees to pay all collection fees, attorneys' fees and costs incurred in the collection of any past due amounts arising out of this contract. Contractor shall have the right to immediately terminate this contract without further liability if Purchaser fails to make timely payment or otherwise materially breaches this contract.

**MATERIAL SHORTAGES AND COST INCREASES:** If any portion of materials or equipment which Contractor is required to furnish becomes unavailable, either temporarily or permanently, through causes beyond the control and without the fault of Contractor, then in the case of temporary unavailability any completion time frames shall be extended for such period of time as Contractor shall be delayed by such above-described unavailability, and in the case of permanent unavailability Contractor shall be excused from the requirement of furnishing such materials or equipment. Purchaser agrees to pay Contractor any increase in cost between the cost of the materials or equipment which have become permanently unavailable and the cost of the closest substitute which is then reasonably available.

**DELAYS:** If Contractor is delayed at any time in the progress of work by labor disputes, fire, unusual delays in transportation, unavoidable casualties, weather, or any cause beyond Contractor's reasonable control, then any completion time frames shall be extended by a reasonable period of time, at least equal to the period of delay.

**CHANGED CONDITIONS:** The discovery of any hazardous waste, substances, pollutants, contaminants, underground obstructions or utilities on or in the job site which were not brought to the attention of Contractor prior to the date of this contract will constitute a materially different site condition entitling Contractor, at its sole discretion to immediately terminate this contract without further liability.

**ESCALATION:** This contract is made with the understanding that Contractor will be able to begin and continuously proceed with its work on or before the proposed start date on the reverse side hereof. In the event Contractor is unable to commence its work on or before said date because the project is not ready for Contractor's work, Contractor will charge Purchaser the amount of increase in Contractor's cost attributable to such delay, plus Contractor's normal overhead percentage.

**GUARANTEE AND LIABILITY:** Contractor warrants that its labor supplied hereunder shall be free from defect and shall conform to the standard of care in effect in its industry at the time of performance of such labor for a period of twelve (12) months after substantial completion of Contractor's work. Contractor agrees, to the extent it is permitted, to pass on any warranties provided by the manufacturers of materials and/or equipment furnished under this contract. Contractor itself provides no warranty, express, implied or otherwise, on any such materials or equipment. Contractor will not be responsible for: work done, material or equipment furnished or repairs or alterations made by others.

For any breach hereunder, Contractor shall be liable only for the value of the installation work or, if it wrongfully fails to install, then its liability is limited to the difference between the contract price herein, and the value of other similar installation work. If Contractor's breach damages any materials or equipment furnished hereunder, Contractor shall only be liable for the value of such materials or equipment. Under no circumstances will Contractor be liable for consequential, special or indirect damages, including without limitation, any crop loss or damage, damage to other equipment, structures or property, nor for any other similar or dissimilar damages or losses whether due to delay, failure to furnish or install, delay in installation, defective material or equipment, defective workmanship, defective installation, delay in replacing, nor for any cause or breach whatsoever. In any event, Contractor's total liability towards Purchaser for alleged faulty performance or nonperformance under this contract shall be limited to the total contract price. No materials, equipment or services contracted herein carries any guarantee not mentioned in this contract. THE ABOVE WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY DISCLAIMED.

**TITLE AND OWNERSHIP:** In case of default on Purchaser's part, Contractor shall have the right to enter the premises upon which any material or equipment furnished herein have been installed and retake such goods not then paid for and pursue any further remedy provided by law, including recovery of attorneys' fees and any deficiency to the maximum extent and in the manner provided by law. Such materials and equipment shall retain their character as personal property of Contractor until payment in full is received by Contractor, regardless of their mode of attachment. Unless prior specific written instructions are received to the contrary, surplus and replaced materials and equipment resulting from repair or installation work shall become the property of Contractor.

**DELIVERY:** Shipment schedules and dates, expressed or implied, are contingent on normal conditions. Contractor will not be responsible for any delays in shipment or completion caused by factors beyond its control such as, but not limited to, suppliers' failures, accidents, work stoppages or operation of or changes in the law. Shipments will be made as promptly as Contractor's ability to obtain materials and/or equipment and scheduling will permit. No delay in shipments or variances from shipping schedule shall be cause of cancellation or any claim for damage. Any changes in layout or design requested after acceptance of this contract will be made at Purchaser's additional cost. Any such change and/or time taken to supply engineering data or to approve drawings will automatically extend shipping schedules. Equipment will be shipped "knocked down" to the extent Contractor considers necessary, with small parts stripped from equipment and crated. On and after delivery to the carrier for transportation to the Purchaser's site, Purchaser shall be responsible for all loss or damage to materials or equipment due to any cause, including but not limited to loss or damage resulting from casualty.

**INDEMNIFICATION:** Purchaser agrees to indemnify and hold Contractor, its directors, officers, stockholders, employees, agents and subcontractors, harmless from and against any and all claims, demands, causes of action (including third party claims, demands or causes of action for contribution or indemnification), liability and costs (including attorneys' fees and other costs of defense) asserted and/or filed by Purchaser or any third party(ies), including without limitation Purchaser's employees, and arising out of or as a result of: (i) the presence of Contractor or its subcontractors at the job site, (ii) the work performed by Contractor or its subcontractors, or (iii) any negligent act or omission of Purchaser, its employees, agents, consultants, other contractors or any person or entity under Purchaser's control, except to the extent that such claims, demands, causes of action, liabilities or costs are caused by the negligence of Contractor or its subcontractors.

**INTERPRETATION:** This contract shall be governed by and construed in accordance with the laws of the state of the job site location. If any term, provision or condition contained herein shall, to any extent, be invalid or unenforceable, pursuant to state law or otherwise, the remainder of the terms, provisions and conditions herein (or the application of such term, provision, or condition to persons or circumstances other than those in respect of which it is invalid or unenforceable) shall not be affected thereby, and each term, provision and condition of this contract shall be valid and enforceable to the fullest extent permitted by law.

**ASSIGNMENT & SUBLETTING:** Purchaser shall not have the right to transfer or assign its rights and/or obligations under this contract to any third party, related or unrelated, without the express written consent of Contractor. Contractor shall have the right to transfer, assign or sublet all or any portion of its rights or obligations hereunder, but such transfer, assignment or subletting shall not relieve Contractor from its full obligations to Purchaser unless such transfer, assignment or subletting is pursuant to the sale of Contractor, or the division of Contractor responsible for this contract, to a third party.

**MISCELLANEOUS:** The terms and conditions set forth herein constitute the entire understanding of the parties relating to the work to be performed, and materials and equipment to be provided, by Contractor for the Purchaser. All previous proposals, offers, and other communications relative to the provisions of the subject work, oral or written, are hereby superseded, except to the extent that they have been expressly incorporated herein. Any modifications or revisions of any provisions herein or any additional provisions contained in any purchase order, acknowledgment, or other form of the Purchaser are hereby expressly objected to by Contractor and shall not operate to modify this contract. This contract shall take effect upon acceptance and execution by both parties.

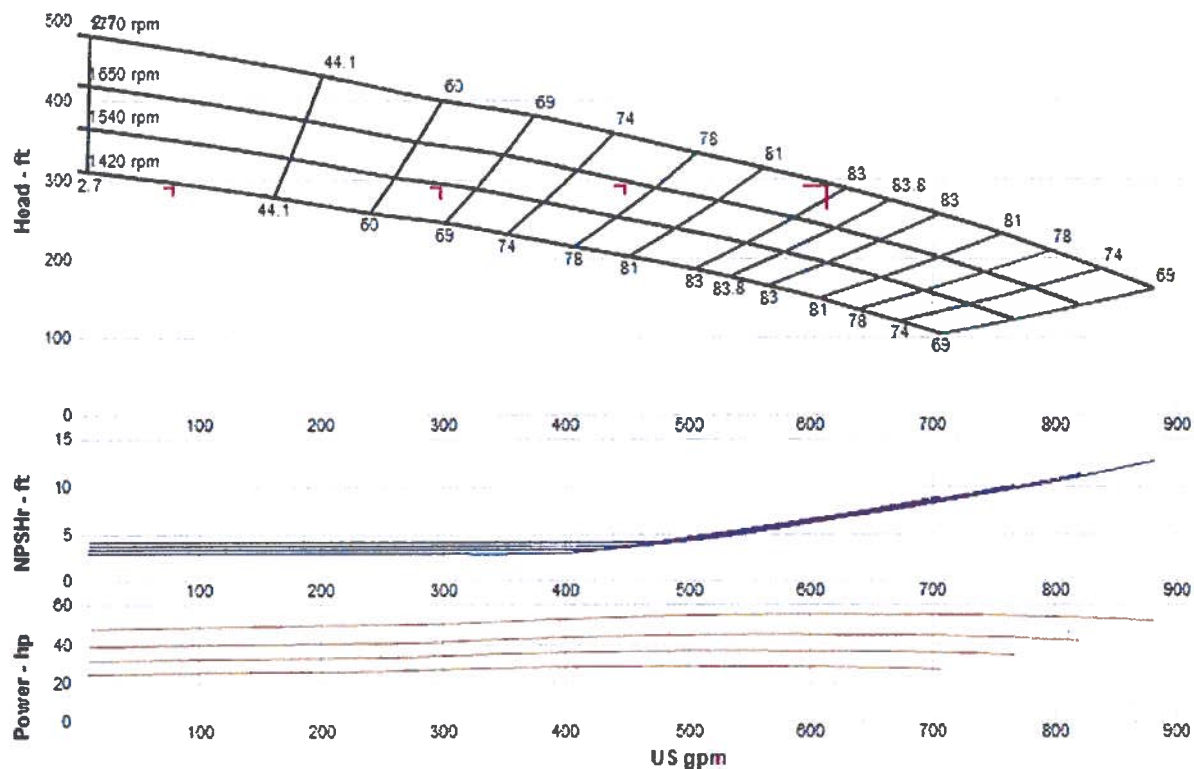




## PERFORMANCE CURVE

Quote Number: 9004-140904-001

Model: DWT-CATM Size: 9TLC 10 Stage(s)



### Driver Size Criteria:

Speed:

Impeller Trim:

Frequency:

Additional Impeller Trim:

Impeller Maximum Trim:

Specified Flow:

Specified Head:

Head at Design:

Efficiency at Design:

Power at Design:

Flow on Design Trim at Max Power:

Max Power on Design Curve:

Max power on design curve (NOL)

1770

6.3100 inch

60 hz

6.310 inch

6.4400 inch

628.00 USGPM

288.00 ft

288.00 ft

83.00

55.10 Hp

628 USGPM

55.10 Hp

Flow on Max Imp Trim @ Max Pwr:

Best Efficiency:

Flow at BEP:

NPSH Required:

Specified NPSH Avail:

NPSHa Margin:

Shut-Off Head:

Fluid Type:

Temperature:

Allowable Sphere Size:

Exact Bowl Diameter:

Thrust K Factor:

Max Lateral:

640.00 USGPM

83.80

664.00 USGPM

6.73 ft

34.00 ft

2.00 ft

484.00 ft

Water (Open Lineshaft)

70 F

1.00 inch

9.25 inch

9.0000 lbs/ft

0.75 inch

Point # 1 - 620GPM @ 288'TDH @ 60Hz  
Point # 2 - 445GPM @ 288'TDH @ 56Hz  
Point # 3 - 300GPM @ 288'TDH @ 52Hz  
Point # 4 - 80GPM @ 288'TDH @ 48Hz

### DO NOT USE FOR CONSTRUCTION UNLESS CERTIFIED

Client's Approval

Date of Approval

Pump serial number

Project Name

Tag

Sheep Creek Well-5



March 20, 2023

Mr. Joe Tapia  
General Manager  
Sheep Creek Water Company  
4200 Sunnyslope Rd.  
Phelan, CA 92371

**SUBJECT: PROPOSAL TO DEVELOP WATER MASTER PLAN FOR SHEEP CREEK WATER COMPANY**

Dear Mr. Tapia:

Ardurra is very pleased to submit our proposal in response to your request to develop Sheep Creek Water Company's (SCWC) **2023 Water Master Plan (WMP)**. Ardurra will leverage our prior work experience in developing and calibrating SCWC's water distribution hydraulic model, performing water supply feasibility studies, and developing an asset management plan to efficiently evaluate SCWC's water system. We will utilize the latest information available to evaluate SCWC's water system capacity under existing and future conditions to meet State of California design guidelines and make recommendations on Capital Improvement Program (CIP) which includes developing cost estimates and phasing projects.

- ❖ **Experienced Team – Ms. Jiajia Huang, PE** will be responsible for the technical execution and overall management of the project. Ms. Huang has extensive knowledge of the SCWC water system. In 2019, Ms. Huang performed the demand analysis for the Feasibility Report for SCWC Addressing Water Source Capacity. In 2022, Ms. Huang developed and calibrated SCWC's hydraulic model and performed several hydraulic analyses as part of the consolidation plan with Phelan Pinon Hills Community Services District (PPHCSD). For this WMP project, Ms. Huang will be supported by **Dolores Salgado, PE** and **Shyamala Raveendran, PE** who each brings 20+years of senior level experience including knowledge from working on prior SCWC projects. They will ensure that work will be performed in a timely manner and at a high level of quality.
- ❖ **Proactive Approach** – Our team has intimate knowledge of SCWC's supply-demand challenges, distribution system operational issues, and condition of assets from working on prior SCWC projects since 2019. We will seek to understand the specific objectives of this Master Plan by working collaboratively with SCWC staff and third-party staff to develop a comprehensive and executable capital improvement plan.
- ❖ **A strong team that's in place and ready to go to work.** Ms. Huang and her team are fully available and will provide highly responsive and personal service to SCWC to execute this project. Rest assured, Ardurra is committed to a long-term client-consultant relationship rather than a singular successful project.





We are proposing to perform the work for a Time and Materials, not-to-exceed cost of \$122,040. Any additional services, such as conference calls, meeting attendance, or additional analysis scenarios, can be provided on a time and material basis. Appendix A includes the fee estimate breakdown and a proposed schedule to complete work within 10 months from a notice to proceed. The schedule is subject to change based on delivery of data requested and document comments from SCWC.

We thank you for this opportunity and please feel free to contact the undersigned if you have questions or require additional information.

Sincerely,

Dolores Salgado, PE  
Client Service Manager  
[dsalgado@ardurra.com](mailto:dsalgado@ardurra.com)

Jiajia Huang, PE  
Project Manager  
[jhuang@ardurra.com](mailto:jhuang@ardurra.com)

Enclosures: Appendix A – Water Master Plan Project Schedule and Fee Estimate



## PROJECT UNDERSTANDING & OBJECTIVES

Sheep Creek Water Company (SCWC) would like to develop a Water Master Plan (WMP) to evaluate its aging water infrastructure and assess current and future system capacity to serve its community. Key updates to the plan will include an update to water demand projections, development of design criteria, minor refinements to its current water distribution model, and recommended capital improvements for a 10-year planning horizon. A detailed scope of work that represents tasks and deliverables necessary to accomplish these goals are described below.

## SCOPE OF SERVICE

Our proposed Scope of Service for this WMP is as follows:

### TASK 1 – PROJECT MANAGEMENT & ADMINISTRATION

#### 1.1 Kick-Off

Ardurra will prepare an agenda to facilitate a one-hour project Kick-Off Meeting. Ardurra will provide a Request for Information (RFI) upon receipt of notice to proceed.

#### 1.2 Progress Meetings

Eight (8) half-hour project progress conferences calls have been included in the budget to discuss and resolve on-going project hurdles with SCWC's WMP project manager. Ardurra will provide meeting minutes to document decisions throughout the duration of the project.

#### 1.3 Project Administration

This task will also include work associated with project setup, scheduling, budget control, and invoice preparation.

### TASK 2 – WATER SYSTEM EVALUATION

#### 2.1 Data Collection and Review

Ardurra will collect and review as necessary any relevant planning documents and data sources including but not limited to:

- 2006 Water Master Plan
- 2020 Asset Management Plan
- 2019 Feasibility Study Report Addressing Water Source Capacity Issues
- 2022 SCWC Water Consolidation Project
- Historic Water Consumption Data
- Proposed development projects
- Latest well production records
- Latest pump curves
- Other operational updates
- Local bid estimates

Ardurra will consult SCWC staff to understand water operational goals and strategies as well as gather knowledge on state of current assets and leak and/or main break history for system improvement recommendations.



## **2.2 Update Demand & Hydraulic Model Network**

Ardurra will utilize SCWC's historic water consumption data of the previous 5 years to develop water demand unit factors by land use classification. These water demand unit factors will be used to project future demands from new developments and evaluate future system capacities. Average day demand (ADD) of 2022 will serve as the baseline for computing peaking factors for maximum day (MDD), and peak hour demand (PHD).

Future supply sources and locations along with associated facilities (pipes, pumps, etc.) will need to be provided by SCWC staff to be input into the model for future system analysis.

Ardurra assumes minimal updates will be required for the hydraulic model since the model was developed and calibrated in steady state in 2022 for the consolidation study with PPHCSD. Ardurra assumes that a total of ten (10) as-builts will be reviewed as part of this effort along with updated pump curves and operational data updates.

## **2.3 Planning Criteria Development**

Ardurra will develop planning criteria to evaluate the water distribution system under MDD plus fire flow (FF) conditions. This will include criteria for storage capacity, pipeline velocities, pipeline headloss, and system pressures. Ardurra will also compare recommended criteria for SCWC with AWWA guidelines and planning criteria from nearby agencies.

## **2.4 Capacity Related Project Development**

Using the existing calibrated hydraulic model, the water system will be analyzed under existing and future MDD, PHD, and MDD plus FF conditions to determine hydraulic deficiencies based on the recommended planning criteria. Future growth areas will need to be provided by SCWC staff.

Steady-state scenarios to include the above simulations will be updated into SCWC's mode accordingly. These simulations will be used to identify and size hydraulically deficient facilities for the capital improvement program (CIP). A global fire flow analysis will be performed to determine fire flow locations that "stress" the system the most. Individual MDD plus FF simulations will then be analyzed at these locations to determine the facilities necessary to adequately meet fire flow demands.

Deficiencies in the system will be analyzed with respect to pipeline head loss/velocities, system fire flows, and system pressures. Desktop analysis will be performed to evaluate pumping capacities and storage requirements per pressure zone against recommended planning criteria.

Please note that Ardurra has not included costs to perform a hydrogeological study to determine short-term and long-term groundwater supply fluctuations or effects of local well interference on pumping capacity, though may be added upon SCWC request.

## **2.5 Draft Capital Improvement Program (CIP)**

Using the results from the capacity evaluation study in Task 2.4 and prior projects and studies, Ardurra will develop a prioritized list of facilities to be included in SCWC's 10-year Capital Improvement Program (CIP). The plan will be phased in 5-year increments. Cost estimates from prior plans will be escalated to current year based on ENR's Construction Cost Index and assigned an appropriate inflation escalation rate. Local bids will be analyzed to reflect cost estimates that are typical of the SCWC's service area. Ardurra will also interview SCWC's staff and grant funding consultant to discuss financing avenues for SCWC's capital improvements.



A draft CIP table will be provided for SCWC comment.

Workshop 1 will be held to receive SCWC staff feedback associated with the Draft CIP.

### **TASK 3 – MASTER PLAN REPORT**

#### **3.1 60% Submittal**

Ardurra will document results associated with Tasks 2,3, and 4 into a 60% Draft Master Plan report that will be submitted to SCWC staff for review and comment for a period of 21 days.

Workshop 2 will be held to receive staff feedback and go through questions and comments of the 60% submittal.

#### **3.2 90% Submittal**

Based upon review comments and feedback in Workshop 2, a 90% Master Plan report submittal will be provided for review and comment for a period of 14 days.

#### **3.3 Final 100% Submittal**

Ardurra will finalize the 2023 Water Master Plan with SCWC staff comments incorporated and submit electronically along with related files including updated model files.

### **TASK 4 – MEETINGS & COORDINATION**

#### **4.1 Workshops**

This task includes work associated with preparation and travel time associated with Workshops 1 and 2. Meeting agenda and minutes will be provided for each Workshop.

#### **4.2 Project Meetings & Interviews**

Eight (8), 1-hour projects meetings are budgeted for and anticipated to be held with SCWC staff, grant consultant, or fire department for the duration of the project. Meeting agenda and minutes will be provided. All project meetings will be virtual.

#### **4.3 Board Presentation**

Ardurra will attend and present Master Plan results to the Board. This task includes work associated with preparations and travel time associated with a 1-hour Board presentation.

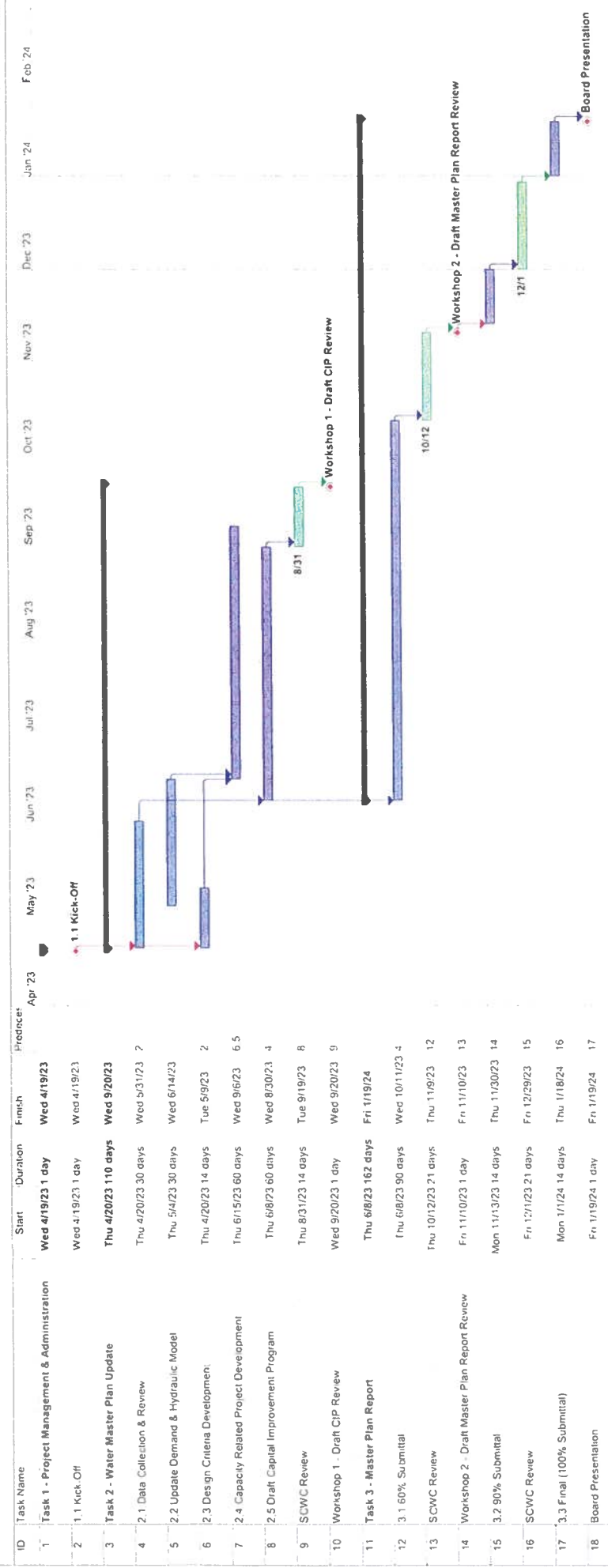
### **COST & SCHEDULE**

Attachment A includes the proposed fee and schedule to complete Sheep Creek's Water Master Plan project.

Subtask Number	Subtask Description Summary	Classification	Principal-in-Charge	Technical Reviewer	Project Manager	Project Engineer	Administrative	Subtask Labor-Hours (IEC)	Subtask Labor Cost (IEC)	Project Direct Cost*	Total Project Fee
<b>Task 1</b>	<b>Project Management &amp; Administration</b>	Rate	\$305.00	\$265.00	\$255.00	\$195.00	\$110.00				
1.1	Kick-Off		2	1	24	4	10	41	\$8,875	\$800	\$9,675
1.2	Progress Meetings		1	1	4	4		10	\$2,370	\$800	\$3,170
1.3	Project Administration		1		10		10	21	\$2,550		\$2,550
									\$3,955		\$3,955
<b>Task 2</b>	<b>Water System Evaluation</b>		4	28	90	122	0	244	\$55,380	\$0	\$55,380
2.1	Data Collection & Review			4	16	16		36	\$8,260		\$8,260
2.2	Update Demand & Hydraulic Model				4	24		28	\$5,700		\$5,700
2.3	Planning Criteria Development				6	12		18	\$3,870		\$3,870
2.4	Capacity Related Project Development			4	24	40		68	\$14,980		\$14,980
2.5	Draft Capital Improvement Program		4	20	40	30		94	\$22,570		\$22,570
<b>Task 3</b>	<b>Master Plan Report</b>		7	26	58	62	4	157	\$36,345	\$200	\$36,545
3.1	60% Submittal		4	16	32	30		82	\$19,470		\$19,470
3.2	90% Submittal		2	8	18	20	2	50	\$11,440		\$11,440
3.3	Final (100% Submittal)		1	2	8	12	2	25	\$5,435	\$200	\$5,635
<b>Task 4</b>	<b>Meetings &amp; Coordination</b>		5	11	28	32	2	78	\$18,040	\$2,400	\$20,440
4.1	Workshops (2)		2	4	12	12		30	\$7,070	\$1,600	\$8,670
4.2	Project Meetings & Interviews		2	6	8	12		28	\$6,580		\$6,580
4.3	Board Presentation		1	1	8	8	2	20	\$4,390	\$800	\$5,190
	<b>Task Subtotal - Hours</b>		38	66	240	220	16	520			
	<b>Task Subtotal - Costs</b>		\$5,490	\$17,490	\$51,000	\$42,900	\$1,760		\$18,640	\$3,400	\$122,040

\* includes mileage, workshop and presentation materials, travel, printing, shipping costs

PROJECT SCHEDULE  
Sheep Creek Water Company (SCWC)  
2023 Water Master Plan



***Sheep Creek Water Company***  
***4200 Sunnyslope Rd.***  
***P.O. Box 291820***  
***Phelan, CA 92329-1820***  
***Office (760) 868-3755/Fax (760) 868-2174***  
***Email [sheepcreek@verizon.net](mailto:sheepcreek@verizon.net) / [www.sheepcreekwater.com](http://www.sheepcreekwater.com)***

### **Future Share Program 2023**

Purchasing shares from shareholders:

- Limit of 5 shares
- Maximum of 50 shares per year, not to exceed SCWC 20% ownership of outstanding shares.
- Purchase shares at \$1,100 per share and sell shares at \$3,250 per share.

The Purpose is to raise the value of your share and the revenue from the sale of shares will be used to upgrade the system.

- Tier 3 revenue will fund this Program.
- Priority of Tier 3 revenue
  - Pay for additional wells.
  - Fund \$200,000 for system upgrades.
  - Remaining revenue can be used for this program.

The Board of Directors will adjust the size and scope of the program, it will dependent on funding in Tier 3.

2023 Month	Monthly Deposits									
	Total Usage	Tier 1 Usage	Tier 2 Usage Well 11	Tier 3 Usage Overage	Total Well Maintenance	Tier 2 & 3- \$1.46 MWA Fees	Tier 3-\$1.50 Improvement	Tier 3-\$1.00 Assessment	System Upgrade	Well 11 \$5.00 Assessment
JAN	11,051.40	7,587.21	1,143.49	2,320.70	\$ 3,628.90	\$ 1,669.50	\$ 3,481.05	\$ 2,320.70	\$ 3,750.00	\$ 6,000.00
FEB	11,638.85	7,984.96	1,548.00	2,105.89	\$ 3,823.19	\$ 2,260.08	\$ 3,158.84	\$ 2,105.89	\$ 3,750.00	\$ 5,990.00
MAR	11,782.94	8,130.45	1,413.66	2,238.83	\$ 3,858.86	\$ 2,063.94	\$ 3,358.25	\$ 2,238.83	\$ 3,750.00	\$ 5,995.00
APR	12,616.19	8,638.16	1,648.19	2,329.84	\$ 4,148.56	\$ 2,406.36	\$ 3,494.76	\$ 2,329.84	\$ 3,750.00	\$ 5,995.00
MAY	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
JUNE	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
JUL	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
AUG	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
SEP	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
OCT	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
NOV	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
DEC	-	-	-	-	\$ -	\$ -	\$ -	\$ -	-	-
TOTAL	47,089.38	32,340.78	5,753.34	8,995.26	15,459.50	8,399.88	13,492.89	8,995.26	15,000.00	23,980.00

\$ 17,787.43 \$ 25,890.03 \$ 89,952.60

Well Account  
 Capital Improvement Account  
 Assessment Account  
 System Upgrade Account



DAILY PRODUCTION FOR APRIL 2023 GALLONS

Date	WELL # 2A	WELL # 3A	WELL # 4A	WELL # 5	WELL # 8	WELL # 11	GPM	TUNNEL	TOTAL	CU.FT.	A.F.	GPM
1					102000		162	233280	335280	44823.53	1.0288	233
2					132000		151	217440	349440	46716.58	1.0722	243
3					136000		177	254880	390880	52256.68	1.1994	271
4	14000	15000	16000	14000	132000		174	250560	441560	59032.09	1.3549	307
5					28000		168	241920	269920	36085.56	0.8282	187
6					140000	13600	167	240480	394080	52684.49	1.2092	274
7					148000		172	247680	395680	52898.4	1.2141	275
8					249000		203	292320	541320	72368.98	1.661	376
9					181000		172	247680	428680	57310.16	1.3154	298
10					105000		135	194400	299400	40026.74	0.9187	208
11					248000		183	263520	511520	68385.03	1.5696	355
12					187000		172	247680	434680	58112.3	1.3338	302
13					244000		181	260640	504640	67465.24	1.5485	350
14					162000		172	247680	409680	54770.05	1.2571	285
15					175000		169	243360	418360	55930.48	1.2837	291
16					200000		186	267840	467840	62545.45	1.4355	325
17					169000		169	243360	412360	55128.34	1.2653	286
18					186000		174	250560	436560	58363.64	1.3396	303
19					171000		176	253440	424440	56743.32	1.3024	295
20					189000		178	256320	445320	59534.76	1.3664	309
21					177000		176	253440	430440	57545.45	1.3208	299
22					192000		172	247680	439680	58780.75	1.3491	305
23					233000		174	250560	483560	64647.06	1.4838	336
24					309000		195	280800	589800	78850.27	1.8098	410
25					350000		199	286560	636560	85101.6	1.9532	442
26					239000		160	230400	469400	62754.01	1.4403	326
27	41000	35000		38000	99000		176	253440	466440	62358.29	1.4312	324
28	89000	76000		83000			174	250560	498560	66652.41	1.5298	346
29	46000	235000		42000			201	289440	612440	81877.01	1.8792	425
30		241000					178	256320	497320	66486.63	1.526	345
Ttl's	190000	602000	16000	177000	4883000	13600		7554240	13435840	1796235	41.227	

A.F.      A.F.      A.F.      A.F.      A.F.      A.F.      A.F.      Av.      mgd      mgd      cu.ft/day      afd  
 0.5830009   1.8471924   0.0490948   0.5431114   14.983124   0.0417306   169   0.243685   0.433414   57943.07   1.3299

A.F.  
 23.17963

## CONSUMPTION 10-YEAR

vs 2022

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2023	-38%	-38%	-38%	-59%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	47,087
Cons'n HCF	11,051	11,638	11,782	12,616	0	0	0	0	0	0	0	0	68
Cons'n GPM	185	216	197	218	0	0	0	0	0	0	0	0	108,097
Cons'n A.F.	25,370	26,717	27,048	28,962	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
Ave GDPDP	79,336,488	83,550,633	84,584,427	90,571,815	0	0	0	0	0	0	0	0	0
2022	-31%	-32%	-18%	-43%	-41%	-40%	-52%	-27%	-45%	-50%	-24%	-38%	215,966
Cons'n HCF	12,268	12,858	15,510	17,551	20,711	23,764	22,170	25,581	21,299	16,717	15,793	11,744	314
Cons'n GPM	206	239	288	326	384	411	371	429	369	280	273	197	495,790
Cons'n A.F.	28,164	29,518	35,606	40,292	47,546	54,555	50,895	58,726	48,896	38,377	36,256	26,961	84,316
Ave GDPDP	88,074,342	92,309,953	111,348,2	126,000,79	148,686,82	170,604,68	159,161,16	183,649,14	152,908,14	120,013,4	113,379,89	84,316	233,603
2021	-30%	-17%	-31%	-37%	-43%	-29%	-39%	-42%	-31%	-43%	-12%	-11%	215,966
Cons'n HCF	12,493	12,897	13,998	19,265	21,063	27,040	27,372	25,069	25,460	17,604	17,078	14,263	332
Cons'n GPM	209	239	235	334	353	468	459	420	296	295	296	239	536,279
Cons'n A.F.	28,680	29,607	32,136	44,227	48,354	62,074	62,838	57,551	58,448	40,414	39,205	32,744	102,398,56
Ave GDPDP	89,690,219	92,588,359	100,496,88	138,307,96	151,213,58	194,119,97	196,509,61	179,974,08	182,780,47	126,382,21	122,603,48	102,398,56	215,185
2020	-33%	-27%	-43%	-58%	-46%	-40%	-44%	-44%	-34%	-30%	-25%	-10%	215,185
Cons'n HCF	12,108	11,353	11,457	13,003	19,970	23,014	25,219	24,223	24,214	21,641	14,550	14,433	306
Cons'n GPM	203	211	192	225	335	398	423	406	419	363	252	242	493,996
Cons'n A.F.	27,795	26,062	26,302	29,850	45,846	52,833	57,894	55,608	55,588	49,681	33,403	33,133	204,279
2019	-31%	-30%	-49%	-47%	-53%	-49%	-46%	-43%	-40%	-36%	-28%	-20%	204,279
Cons'n HCF	12,481	10,980	10,327	16,381	17,288	19,469	24,323	24,572	21,868	19,744	13,907	12,940	290
Cons'n GPM	209	204	173	284	290	337	408	412	379	331	241	217	468,960
Cons'n A.F.	28,652	25,207	23,707	37,606	39,688	44,695	55,835	56,409	50,203	45,325	31,926	29,706	231,605
2018	-15%	-7%	-37%	-41%	-40%	-35%	-40%	-39%	-39%	-39%	-16%	-18%	231,605
Cons'n HCF	15,360	14,461	12,701	18,206	22,082	24,730	27,000	26,417	22,364	18,762	16,399	13,123	329
Cons'n GPM	257	268	213	315	370	428	452	443	387	314	284	220	531,693
Cons'n A.F.	35,262	33,198	29,157	41,796	50,692	56,772	61,983	60,646	51,341	43,072	37,647	30,126	295,892
2017	-38%	-35%	-24%	-33%	-34%	-33%	-42%	-30%	-40%	-29%	3%	-3%	243,231
Cons'n HCF	11,121	10,088	15,275	20,758	24,151	25,786	26,112	30,311	22,165	21,963	19,912	15,588	345
Cons'n GPM	186	187	256	359	405	446	438	508	384	368	345	261	558,381
Cons'n A.F.	25,531	23,159	35,066	47,653	55,443	59,196	59,945	69,585	50,885	50,420	45,713	35,785	295,231
2016	-25%	10%	-3%	-26%	-21%	11%	-21%	-17%	-28%	-35%	0%	-19%	295,231
Cons'n HCF	13,498	17,144	20,915	22,752	29,188	42,373	35,594	35,657	26,381	19,859	19,429	13,103	420
Cons'n GPM	226	318	350	394	489	734	596	597	457	333	336	220	677,757
Cons'n A.F.	30,986	39,356	48,014	52,232	67,007	97,274	81,712	81,857	60,561	45,589	44,604	30,081	295,231
2015	15,686	15,711	20,472	29,631	26,759	30,807	30,067	31,370	33,365	25,346	18,042	17,975	301
Cons'n HCF	263	291	343	513	448	533	504	526	578	425	312	301	420
Cons'n GPM	36,010	36,068	46,997	68,023	61,430	70,723	69,025	72,015	76,596	58,187	41,418	41,266	677,757
2014	17,899	18,812	18,885	30,747	35,306	39,612	46,285	35,211	38,411	33,592	20,749	19,044	354,552
Cons'n HCF	300	349	316	532	592	686	776	590	665	563	359	319	504
Cons'n GPM	41,091	43,187	43,353	70,585	81,051	90,937	106,256	80,833	88,180	77,117	47,632	43,719	813,941
2013	17,965	15,582	20,215	30,811	36,733	38,221	44,989	43,058	36,655	30,752	19,423	16,096	350,501
Cons'n HCF	301	289	339	533	616	662	754	721	635	515	336	270	498
Cons'n GPM	41,242	35,771	46,408	70,732	84,327	87,743	103,281	98,848	84,149	70,598	44,588	36,952	805
Cons'n A.F.													46,763,566

Reduction with 2013

Reduction with 2013

Reduction with 2013

Reduction with 2013

Reduction with 2013

Reduction with 2013

Reduction with 2013

PRODUCTION 5 - YEAR RECAP

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	TOTAL	TOTAL
2023	-8%	-3%	-18%	-16%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%			
Tunnel	6,440,000	5,987,000	6,888,000	7,554,000									26,947,000	3,602,540	82.68
Well # 2A	72,000	18,000	25,000	190,000									305,000	40,775	0.94
Well # 3A	89,000	36,000	39,000	802,000									766,000	102,406	2.35
Well # 4A	80,000	286,000	23,000	16,000									385,000	51,471	1.18
Well # 5	32,000	17,000	22,000	177,000									246,000	33,155	0.76
Well # 8	4,841,000	4,781,000	4,370,000	4,883,000									18,655,000	2,493,984	57.24
Well # 11	7,200	17,200	14,000	13,600									52,000	6,952	0.16
PPHCS	0	0	0	0									0	0	0.00
TOTAL G	11,361,200	11,082,200	11,479,000	13,435,600									47,358,000	6,331,283	145.31
TOTAL CF	1,518,877	1,481,578	1,534,828	1,798,203									0	0	
TOTAL AF	34,861	34,005	35,222	41,226									0	0	
2022	0%	6%	10%	-4%	-10%	-9%	-45%	-8%	-5%	-13%	-11%	-7%			
Tunnel	5,022,000	5,859,898	6,266,000	6,085,000	6,290,000	6,091,200	6,368,000	6,468,000	6,103,000	6,325,000	6,149,000	6,347,000	73,057,096	9,766,991	224.17
Well # 2A	83,000	18,000	16,000	13,000	30,000	5,001,000	4,812,000	4,812,000	5,814,000	5,113,000	3,284,000	5,210,000	30,931,000	4,135,160	94.91
Well # 3A	281,000	12,000	985,000	4,548,000	4,924,000	1,488,000	75,000	74,000	23,000	24,000	205,000	43,000	12,693,000	1,696,925	38.95
Well # 4A	0	0	0	0	23,000	78,000	44,000	0	0	0	128,000	2,721,000	3,006,000	401,872	9.22
Well # 5	50,000	12,000	15,000	12,000	28,000	3,204,000	6,455,000	5,822,000	5,008,000	4,439,000	2,889,000	46,400	27,759,400	3,711,150	85.18
Well # 8	6,854,000	5,772,000	6,739,000	4,287,000	4,702,000	1,873,000	117,000	81,000	21,000	15,000	24,000	1,965,000	32,340,000	4,323,529	99.23
Well # 11	0	0	47,000	980,900	1,947,100	2,383,500	3,833,200	2,524,500	731,200	7,100	7,200	55,000	12,516,700	1,673,356	38.41
PPHCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	12,370,000	11,468,896	14,068,000	15,948,900	17,942,100	19,928,700	21,502,200	21,115,500	17,701,200	15,923,100	12,646,200	11,688,400	192,303,196	25,708,983	590.07
TOTAL CF	1,653,743	1,533,275	1,880,749	2,132,208	2,398,878	2,694,265	2,874,828	2,892,828	2,368,471	2,128,757	1,890,888	1,582,820	0	0	
TOTAL AF	37,956	35,191	43,167	48,938	55,054	61,150	65,978	64,791	54,315	48,859	38,804	35,865	0	0	
2021															
Tunnel	5,901,408	5,382,590	5,937,120	5,806,080	6,057,848	5,880,000	6,115,680	6,118,000	5,959,000	5,553,000	6,048,000	6,281,000	70,999,496	9,491,911	217.86
Well # 2A	22,000	29,000	17,000	4,431,000	7,278,000	6,584,000	6,483,000	7,359,000	7,188,000	980,000	45,000	20,000	40,423,000	5,404,144	124.03
Well # 3A	17,000	24,000	15,000	26,000	37,000	20,000	19,000	19,000	23,000	4,229,000	4,184,000	2,929,000	11,542,000	1,543,048	35.42
Well # 4A	12,000	23,000	17,000	29,000	38,000	18,000	17,000	14,000	15,000	12,000	0	0	196,000	26,203	0.60
Well # 5	16,000	26,000	15,000	25,000	5,777,000	5,854,000	5,793,000	6,488,000	8,255,000	889,000	44,000	17,000	31,189,000	4,169,652	95.70
Well # 8	6,375,000	5,345,000	6,820,000	6,312,000	738,000	19,000	24,000	18,000	21,000	5,113,000	3,956,000	3,388,000	38,109,000	5,094,786	116.93
Well # 11	11,400	12,100	4,800	5,900	21,900	3,511,300	4,987,100	2,328,400	903,100	17,800	0	0	11,803,800	1,578,048	36.22
PPHCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	12,354,808	10,821,660	12,825,920	16,634,980	19,945,648	21,867,300	23,448,780	22,353,400	20,364,100	16,773,800	14,277,000	12,595,000	204,262,296	27,307,794	626.76
TOTAL CF	1,651,712	1,440,748	1,714,686	2,223,928	2,868,517	2,923,438	3,134,864	2,868,422	2,722,473	2,242,487	1,908,860	1,683,824	0	0	
TOTAL AF	37,910	33,205	39,355	51,043	61,201	67,098	71,951	68,590	62,486	51,469	43,808	38,647	0	0	
2020															
Tunnel	5,481,792	5,087,000	5,428,224	5,313,600	5,871,000	5,652,000	5,854,976	5,754,240	5,898,844	5,898,844	5,702,400	5,914,800	67,810,976	9,065,639	208.07
Well # 2A	177,000	62,000	22,000	11,000	12,000	14,000	3,419,000	7,282,000	254,000	14,000	23,000	21,000	11,311,000	1,512,166	34.71
Well # 3A	0	1,245,000	4,863,000	5,480,000	9,107,000	5,025,000	15,000	6,825,000	6,401,000	8,401,000	4,177,000	2,480,000	45,643,000	6,102,005	140.05
Well # 4A	31,000	28,000	21,000	44,000	21,000	29,000	732,000	7,480,000	253,000	21,000	19,000	30,000	8,702,000	1,163,369	26.70
Well # 5	5,119,000	4,377,000	4,440,000	347,000	3,579,000	6,710,000	3,082,000	21,000	6,154,000	5,570,000	3,077,000	2,390,000	40,796,000	5,454,011	125.18
Well # 8	34,000	80,000	23,000	55,000	23,000	2,055,000	7,514,000	29,000	114,000	20,000	22,000	470,000	10,439,000	1,395,588	32.03
Well # 11	0	127,800	88,600	194,100	482,700	1,109,800	2,808,300	705,900	274,500	0	11,200	10,700	5,911,300	790,281	18.14
PPHCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	10,842,792	11,006,800	10,885,824	11,444,700	18,838,700	20,594,600	23,602,300	21,497,776	19,628,740	17,922,944	13,031,600	11,316,160	190,613,276	25,483,058	584.88
TOTAL CF	1,449,571	1,471,497	1,455,324	1,530,040	2,518,543	2,753,289	3,155,388	2,874,034	2,824,163	2,386,116	1,742,163	1,512,901	0	0	
TOTAL AF	33,270	33,774	33,402	35,147	57,805	63,193	72,422	65,964	60,229	54,995	39,986	34,724	0	0	
2019															
Tunnel	4,908,174	4,384,800	5,017,080	5,163,000	5,517,058	5,140,800	5,480,720	5,713,920	5,537,000	5,824,840	5,400,000	5,535,360	63,332,562	8,466,920	194.33
Well # 2A	10,000	41,000	2,784,000	3,817,000	3,943,000	5,499,000	5,628,000	2,863,000	150,000	3,281,000	1,078,000	870,000	29,962,000	4,005,615	91.94
Well # 3A	7,000	228,000	144,000	11,000	1,600	38,000	234,000	57,000	0	0	0	0	720,600	96,337	2.21
Well # 4A	6,000	211,000	132,000	11,000	7,000	27,000	35,000	57,000	22,000	22,000	10,000	15,000	548,000	73,262	1.68
Well # 5	2,828,000	2,285,000	2,278,000	3,881,000	3,637,000	4,746,000	6,008,000	5,055,000	6,346,000	5,570,000	2,102,000	3,173,000	48,943,000	6,543,182	150.18
Well # 8	3,122,000	2,912,000	2,278,000	12,000	76,000	310,000	2,865,000	4,922,000	1,865,000	1,865,000	3,445,000	1,134,000	20,257,000	2,708,155	62.16
Well # 11	250,900	267,200	322,500	663,600	988,800	2,385,700	2,281,300	2,738,700	2,481,500	456,100	44,800	0	12,881,800	1,722,166	39.53
PPHCS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
TOTAL G	11,131,774	10,029,000	10,683,590	13,558,600	14,170,458	18,146,500	19,733,020	20,759,620	18,202,500	17,424,740	12,077,800	10,727,360	176,644,962	23,615,637	542.02
TOTAL CF	1,488,205	1,340,775	1,428,287	1,812,647	1,884,446	2,426,003	2,638,104	2,775,350	2,433,486	2,329,511	1,614,679	1,434,139	0	0	
TOTAL AF	34,157	30,773	32,782	41,604	43,481	55,681	60,549	63,699	55,853	53,467	37,060	32,916	0	0	

Reduction compared to 2021

Reduction compared to 2013

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
2023	19%	18%	14%	8%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	-100%
Tunnel	144	148	156	175								
Well # 2A	364	300	347	323								
Well # 3A	449	545	542	319								
Well # 4A	370	333	319	333								
Well # 5	286	283	306	314								
Well # 8	325	330	340	352								
Well # 11	251	251	251	251								
TOTAL G	2,199	2,190	2,261	2,067	0	0	0	0	0	0	0	0
2022	-8%	-11%	-5%	-8%	-5%	-5%	-4%	-1%	-4%	-7%	18%	10%
Tunnel	140	140	140	141								
Well # 2A	308	296	333	361								
Well # 3A	330	333	312	333								
Well # 4A	227	227	306	250								
Well # 5	278	286	278	250								
Well # 8	311	316	359	329								
Well # 11	251	251	251	251								
TOTAL G	1,846	1,849	1,979	1,915	1,944	1,902	1,844	1,758	1,719	1,665	2,137	2,046
2021	36%	13%	13%	4%	4%	2%	-7%	-14%	-10%	-8%	-7%	-8%
Tunnel	132	133	133	134								
Well # 2A	333	345	315	351								
Well # 3A	329	308	313	310								
Well # 4A	300	348	354	345								
Well # 5	310	310	312	298								
Well # 8	351	393	386	393								
Well # 11	251	251	251	251								
TOTAL G	2,006	2,088	2,074	2,082	2,037	2,007	1,926	1,777	1,797	1,788	1,807	1,855
2020	26%	43%	40%	56%	51%	53%	62%	50%	55%	48%	45%	36%
Tunnel	123	122	122	123								
Well # 2A	250	279	262	306								
Well # 3A	0	312	250	327								
Well # 4A	272	292	290	319								
Well # 5	305	309	327	314								
Well # 8	270	284	295	367								
Well # 11	251	251	251	251								
TOTAL G	1,471	1,849	1,831	2,007	1,960	1,961	2,070	2,060	1,995	1,940	1,948	2,006
2019	26%	-2%	0%	3%	13%	61%	155%	168%	155%	154%	70%	83%
Tunnel	107	109	112	119								
Well # 2A	150	208	207	170								
Well # 3A	148	186	194	186								
Well # 4A	174	179	185	189								
Well # 5	155	168	170	173								
Well # 8	181	193	193	198								
Well # 11	251	251	251	251								
TOTAL G	1,166	1,294	1,312	1,286	1,297	1,282	1,278	1,372	1,287	1,313	1,344	1,478
2018	-40%	-27%	-16%	-12%	-19%	-42%	-57%	-49%	-48%	-48%	-17%	-21%
Tunnel	131	129	127	125								
Well # 2A	0	150	175	135								

# SHEEP CREEK WATER COMPANY

WELL #2A Monthly Water Levels / 2 years

FEET

0

100

200

300

400

500

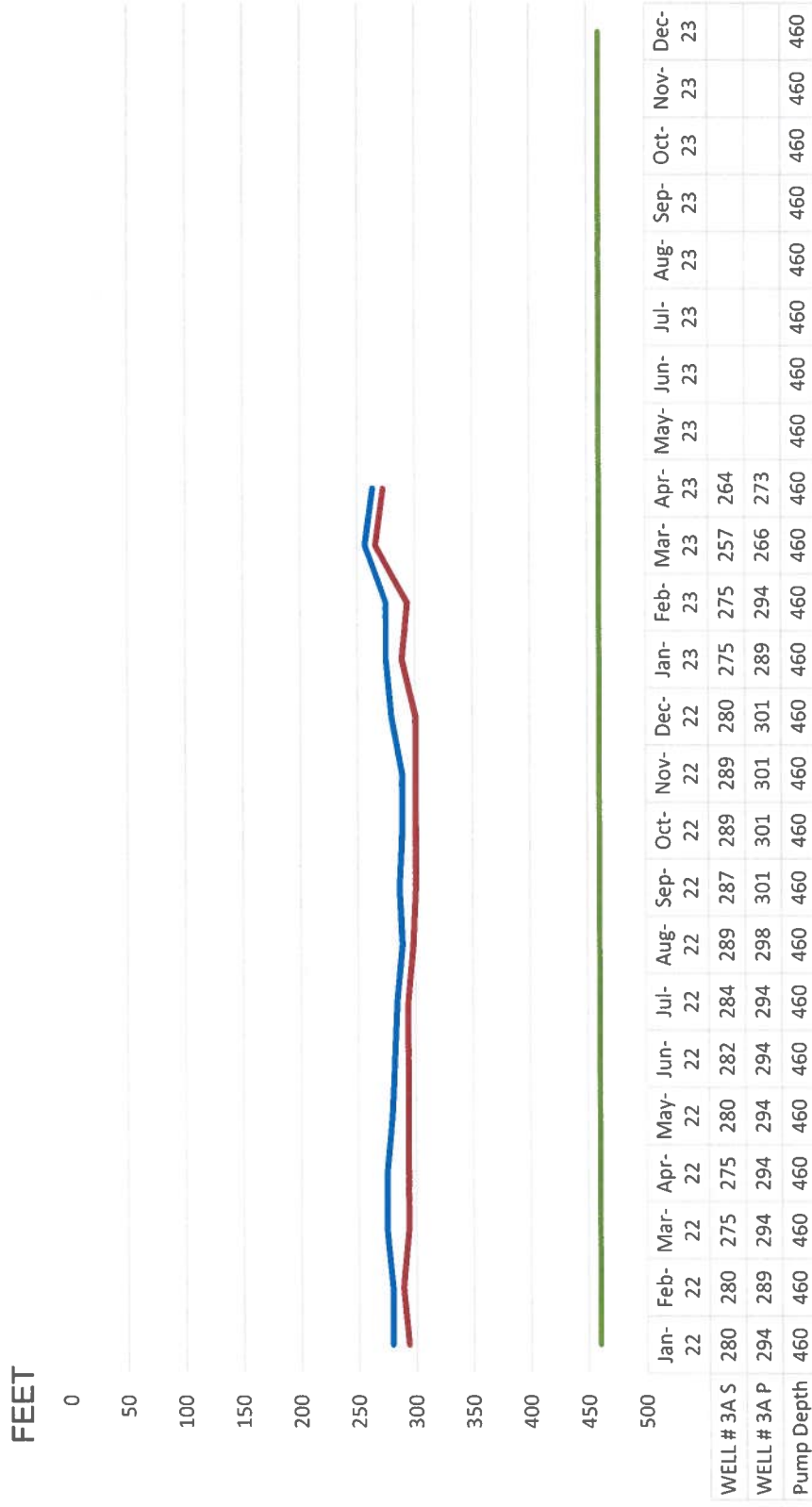
600

	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
WELL 2A S	276	274	272	272	274	279	281	283	283	279	276	274	267	274	265	256								
WELL 2A P	290	288	288	288	290	292	297	297	302	302	309	309	283	279	272	269								
PUMP DEPTH	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505	505

2022 / 2023

WELL 2A S WELL 2A P PUMP DEPTH

# SHEEP CREEK WATER COMPANY WELL #3A Monthly Water Levels / 2 years



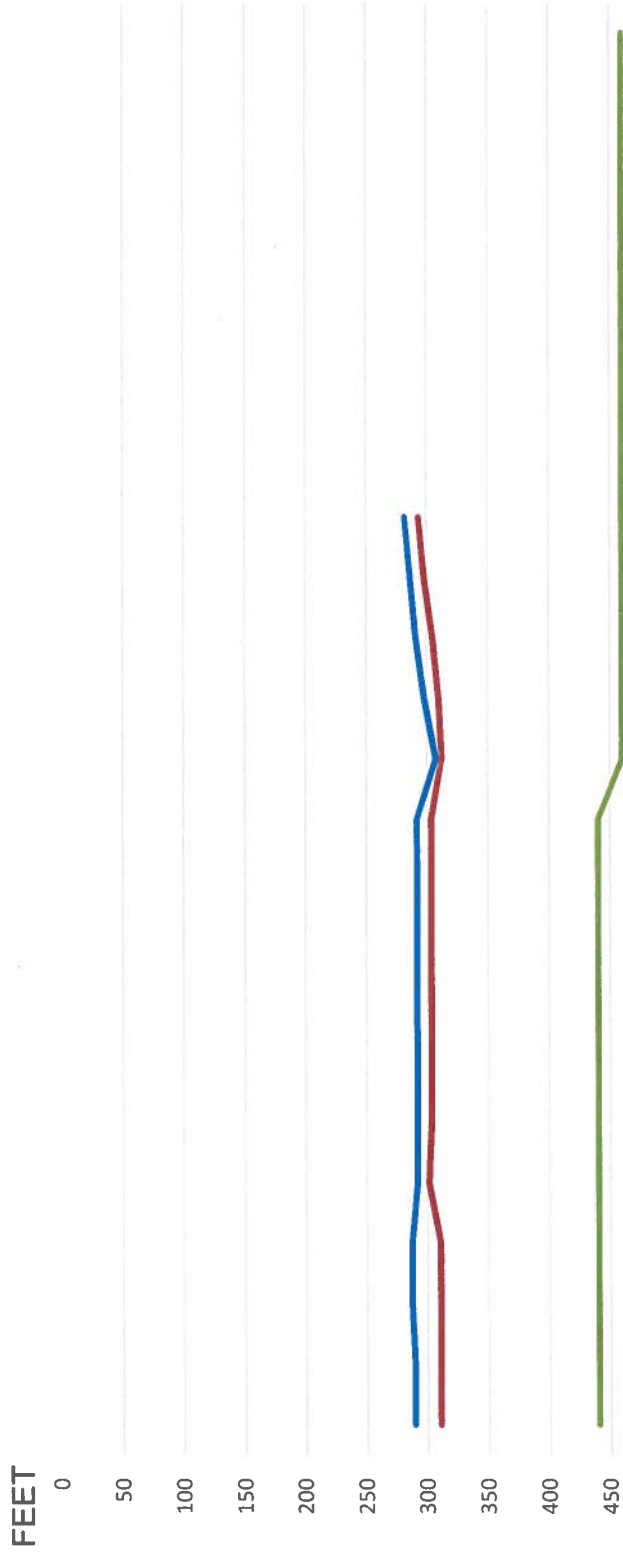
2022 / 2023

— WELL # 3A S — WELL # 3A P — Pump Depth



# SHEEP CREEK WATER COMPANY

## WELL #4A Monthly Water Levels / 2 years



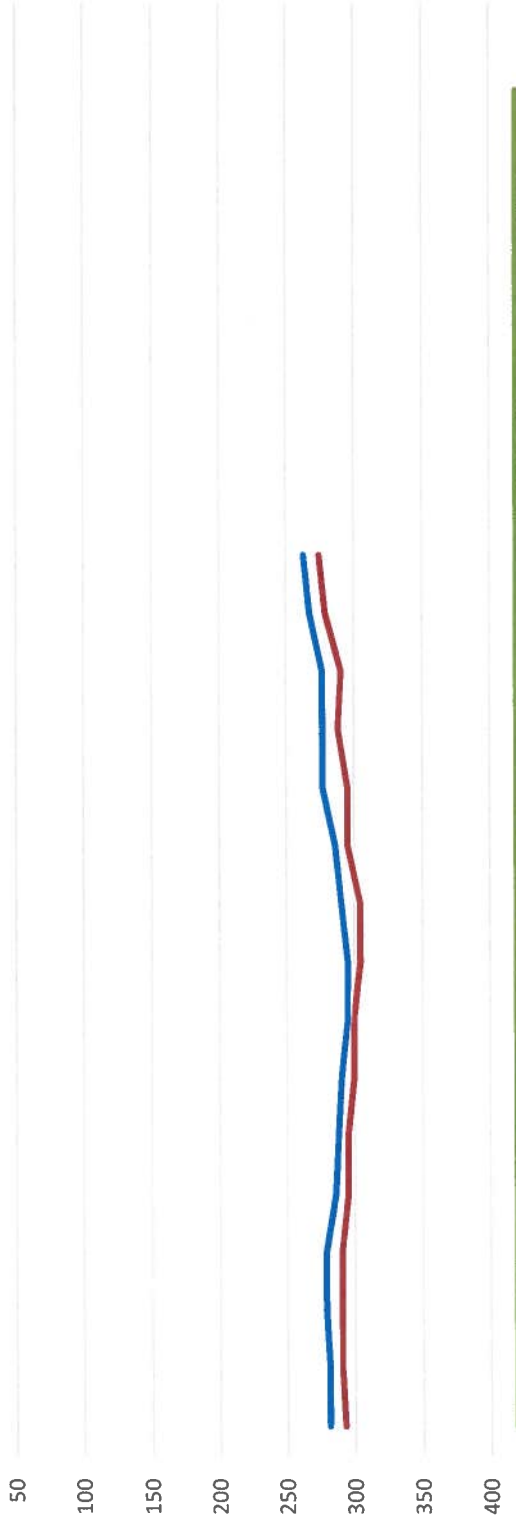
2022 / 2023

— WELL # 4A S — WELL # 4A P — Pump Depth

# SHEEP CREEK WATER COMPANY

WELL #5 Monthly Water Levels / 2 years

FEET



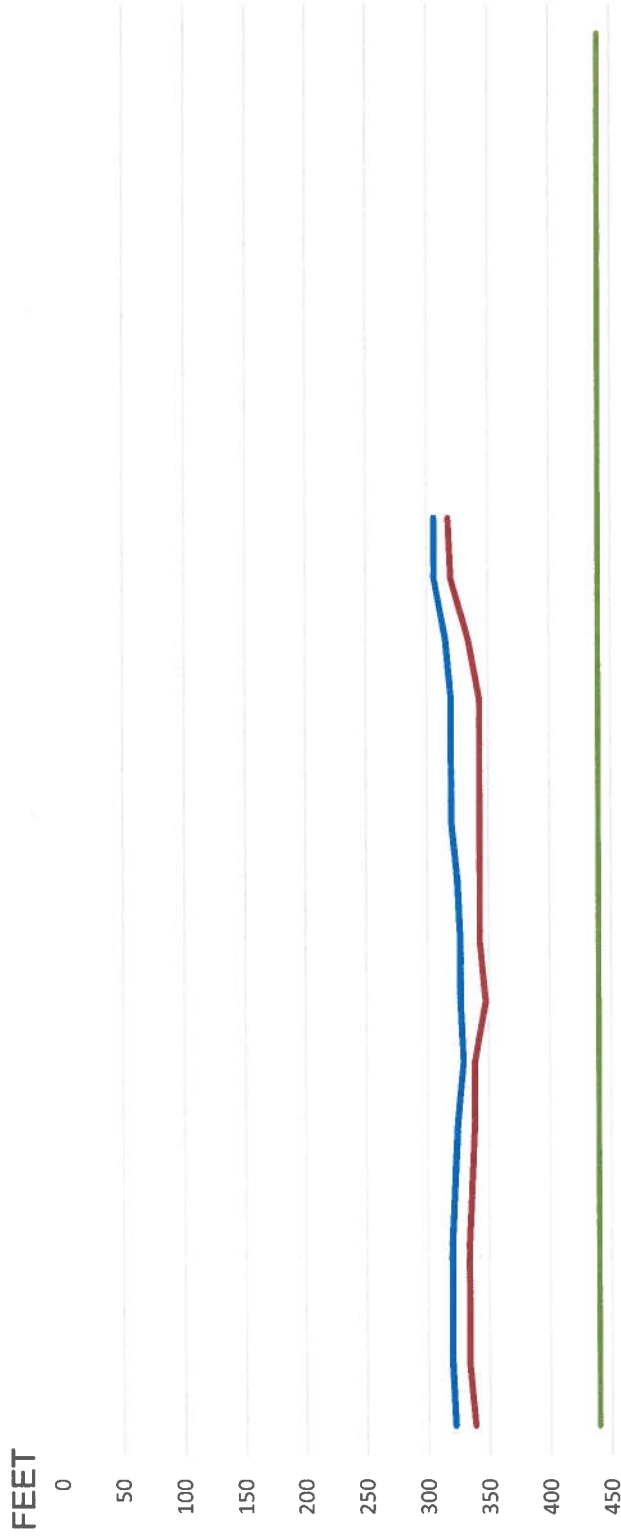
	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
WELL # 5 S	281	281	279	279	286	288	291	295	295	291	286	277	277	277	268	263								
WELL # 5 P	293	291	291	291	295	295	300	300	305	305	295	295	288	291	279	274								
Pump Depth	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420

2022 / 2023

— WELL # 5 S — WELL # 5 P — Pump Depth



# SHEEP CREEK WATER COMPANY WELL #8 Monthly Water Levels / 2 years



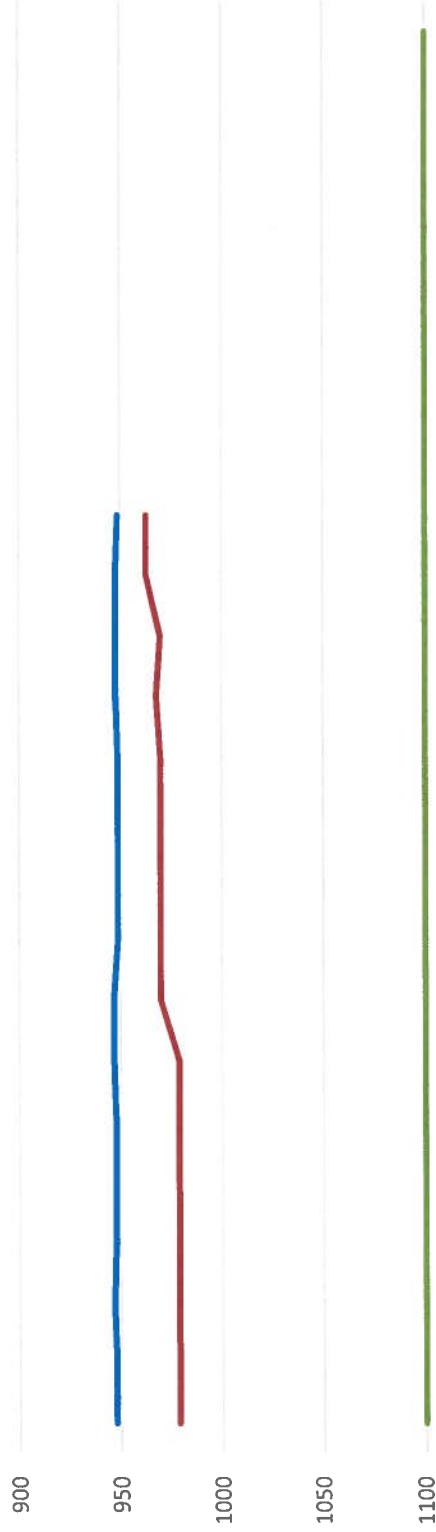
2022 / 2023

— WELL # 8 S — WELL # 8 P — Pump Depth

# SHEEP CREEK WATER COMPANY

WELL #11 Monthly Water Levels / 2 years

FEET  
850



1150

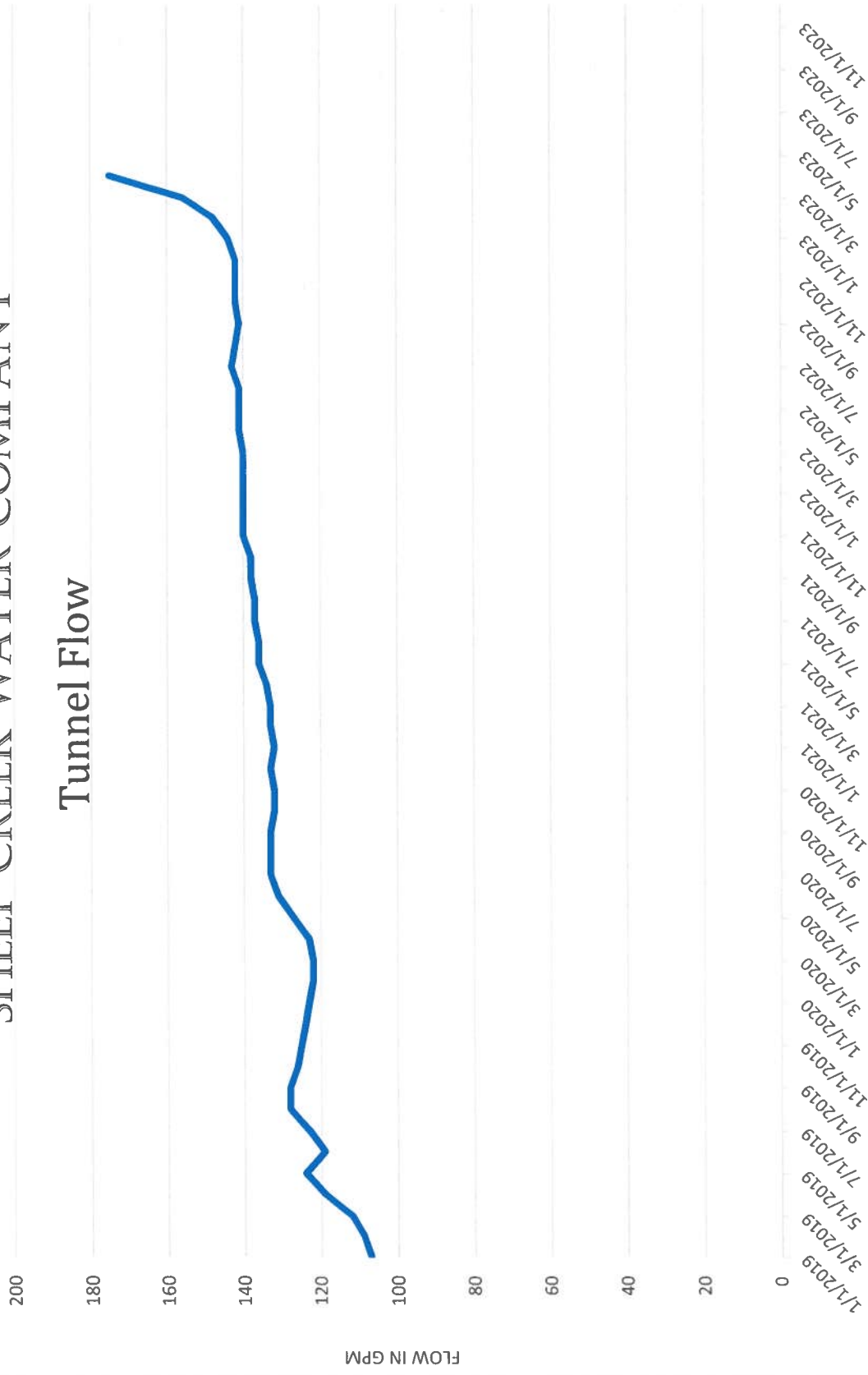
	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23
Well 11 S	948	948	947	948	948	948	947	947	949	949	949	949	948	948	948	949								
Well 11 P	979	979	979	979	979	979	979	970	970	970	970	970	968	970	963	963								
Pump Depth	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100

2022 / 2023

Well 11 S Well 11 P Pump Depth

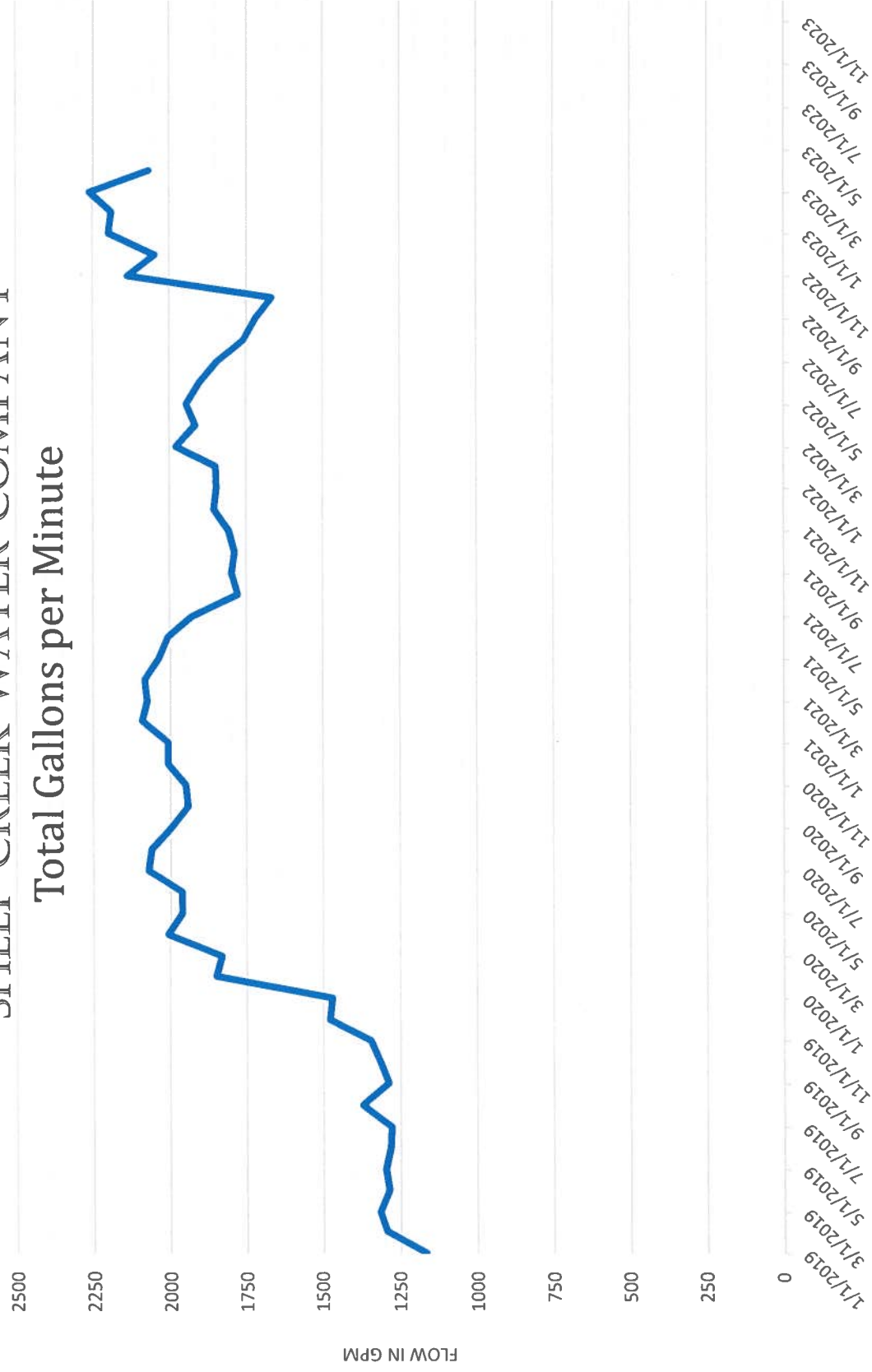
# SHEEP CREEK WATER COMPANY

## Tunnel Flow



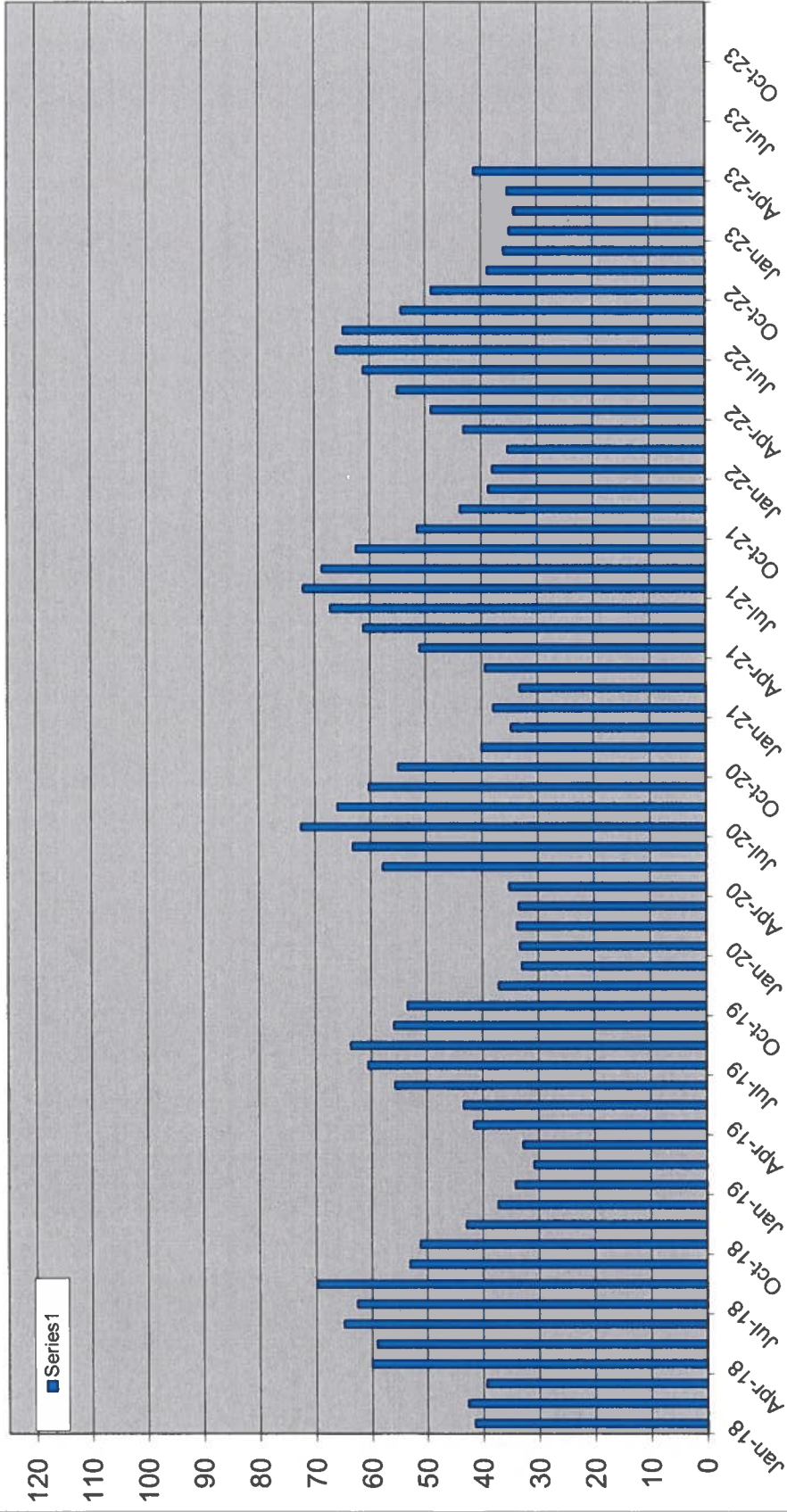
# SHEEP CREEK WATER COMPANY

## Total Gallons per Minute



# SHEEP CREEK WATER COMPANY

## WATER PRODUCTION ACRE FEET



2018- 2023