SHEEP CREEK WATER COMPANY
REGULAR BOARD OF DIRECTORS MEETING
June 23, 2021 ~ 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.

Remote Participation Information:

Zoom: https://us02web.zoom.us/j/84851064834?pwd=WXFyTklNZmJ6YXVpNXdXbEdaRTIxUT09
Meeting ID: 848 5106 4834
Passcode: 303349

One tap mobile
+16699006833,,84851064834#,,,,*303349# US (San Jose)

Dial-In
(669) 900-6833
Meeting ID: 848 5106 4834
Passcode: 303349

AGENDA

1) **Open Meeting-** 6:00 PM
    a. Flag Salute
    b. Invocation

2) **Consent Motions**
    a. Minutes:
        i. Annual Shareholders Meeting- May 15*, 2021*
        ii. Regular Board of Directors Meeting- May 20*, 2021*
    b. Bills:
        i. *May 20, 2021* through *June 23, 2021*
    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.

4) **Old Business**
    a. System Update

b. PPHCSD Consolidation Update

5) **New Business**

6) **Next Scheduled Meeting**
   a. July 22, 2021 via Zoom
   b. August 19, 2021 via Zoom

7) **Adjournment**

SHEEP CREEK WATER COMPANY
Annual Stockholders Meeting ~ Informational Only
May 15, 2021 ~ 10:00 am
Sheep Creek Water Company ~ Board Room via Zoom
4200 Sunnyslope Road, Phelan, CA 92371

The Annual Stockholders Meeting of May 15, 2021, was called to order by Board President Andy Zody, at 10:00 AM. Today's meeting was held virtually (via Zoom) from the Sheep Creek Water Company office, located at 4200 Sunnyslope Rd., Phelan, CA 92371. The meeting was for informational purposes only and no voting occurred.

I. Open Meeting

***a.) Flag Salute & Invocation*:** Luanne Uhl led in the Pledge of Allegiance. David Nilsen led in the Invocation.

b.)Introductions:

Directors Present: President Andy Zody, Secretary/Treasurer Kellie Williams, and Directors David Nilsen and Luanne Uhl were present.

Staff Present: General Manager, Chris Cummings and Administrative Secretary April Dryden Chaplin were present.

II. Financial Update: President Andy Zody gave an update on the Company's 2020 Financial Report. The Financial Report was sent out to the Shareholders and is available on the Sheep Creek website.

III. Old Business:

a.) System Update: Several Fire Hydrants and valve replacements have been completed. Old Standpipes have been replaced with new fire hydrants. The project to convert all regulator stations to stainless steel controls is near complete. Meter replacements are an ongoing effort to reduce leaks and water loss in the system along with replacement of old service lines. Water levels are currently seeing little increase. Water levels continue to fluctuate, but remain below normal. Water production from all sources has slightly increased the past year but remain below normal production. Well 3A has had a complete rehabilitation. Pipework has been brought up to current standards. The casing was scrubbed and pumping equipment replaced. Well 11 pumps directly into the system and is producing up to 300 gallons per minute, based on the water used by customers. The Tunnel has seen a slight increase in water production, but, continues to remain below normal. The Tunnel is currently producing 133 gpm. Sheep Creek Water has experienced years of dry winters and the area will need several years of above normal winters to recharge the water table.

b.) SWRCB Compliance Order Update: August 30, 2018, Compliance Order NO. 05-13-18R-002 was issued by the State Water Resource Control Board Drinking Water Division. The SWRCB placed a service connection and building moratorium on SCWC. SCWC cannot place any new service connections or issue any "Will Serve" letters, for any building permits. At a Special Meeting of the Shareholders Meeting held in August 2019, the Shareholders voted to drill wells as needed, (up to four wells) to achieve compliance. SCWC submitted a corrective action plan and it was approved in January 2020 with an updated Compliance Order NO. 05-13-18R-002A, which requires SCWC to complete a Financial Review and an Asset Management Plan. Both are available to view at https://sheepcreekwater.com

IV. New Business:

a.) Source Capacity Project Update & Loan Repayment – Information Only: During the Special Meeting of the Shareholders in August 2019 the Shareholder's approved a compliance plan which included drilling up to four wells. Sheep Creek Water Company applied for $4,000,000 line of credit for

the project. Included with the line of credit, there is a $410.000 loan to refinance the existing Shareholder loans at an interest rate of 2.4%. Two parcels of land have been purchased for the installation of 2 wells and a third parcel is in a contract for a third well with the purchase of the land contingent on available water on the property.

b.) Consolidation of Sheep Creek Water Company with Phelan Pinon Hills Community Service District – Information Only: Upon future Shareholder approval of consolidation, the Shareholders would also need to approve to sell the water rights which would give the Shareholders compensation for their shares they own. The consolidation investigation is in the early stages and is currently in the grant process with a Technical Assistance provider with the SWRCB-DFA. Once more information is available to hold a vote, the item will be brought back to the Shareholders for a vote. If it is necessary, a Special Meeting of the Shareholders may be held and a notice will be sent.

V. 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. The Board President will call on each participant and at that time you have three (3) minutes to speak.*

Shareholder Nydia de Jesus asked if the moratorium on water meters has been lifted. The Manager, Chris Cummings, reported that currently the service connection moratorium is still in place until all the wells are drilled or if the company consolidates with the PPHCSD.

Peter Barnes asked after reviewing the financial report, what is the benefit of consolidating with PPHCSD, what is the reasoning? President Andy Zody responded that the reasoning is financial. With the future cost of maintenance and upgraded the system. Also, with the cost to produce water in the basin compared to the cost at the well field, where PPHCSD has water rights to produce water cheaper within the basin.

Robert Righetti thanked the Board for their effort with the consolidation effort with PPHCSD and encouraged the Board to keep a positive attitude and making sure Sheep Creek gets a square deal in the negotiations with PPHCSD. They have as much to benefit from a merger as Sheep Creek.

Shareholder Nydia de Jesus asked what is the likelihood of merging with PPHCSD? Board Secretary Kellie Williams responded stating that there are still negotiations, there are advantages and disadvantages with merging and the Board needs to weigh all options heavily. Ultimately, the Shareholders will need to vote whether to consolidate.

Shareholder Kathy Everhart asked whether Sheep Creek has searched and located property for water? Director David Nilsen responded yes.

Shareholder Lorene Broersma asked whether wells 12 – 15 will be drilled in the mountains or the flatlands? The new wells will be drilled within the Sheep Creek distribution system.

VI. Adjournment:

Kellie Williams moved to adjourn the meeting. Luanne Uhl seconded the motion. Motion carried. The Annual Shareholders Meeting of May 15, 2021 was adjourned at 10:42 AM.

Respectfully Submitted,

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

SHEEP CREEK WATER COMPANY
Regular Board of Directors Meeting
May 20, 2021 ~ 6:00pm
Sheep Creek Water Company ~ Board Room via Zoom
4200 Sunnyslope Road, Phelan, CA 92371

The Regular Board of Directors Meeting of May 20, 2021, was called to order at 6:01 pm by Andy Zody. Chris Cummings led in the Pledge of Allegiance and David Nilsen led in the Invocation. Mr. Zody reminded everyone that tonight's meeting was being recorded for the accuracy of the minutes.

Directors Present: President Andy Zody, Secretary/Treasurer Kellie Williams, and Director's David Nilsen and Luanne Uhl were present at tonight's meeting.
Staff Present: General Manager, Chris Cummings was present.
Guests Present: Mr. Don Fish Jr. was present.
Consent Motions

Minutes: Regular Board of Directors Meeting of April 15, 2021
Bills: April 15, 2021 through May 20, 2021
Manager's Report: May 20, 2021

Open Forum: *Under this item, any member of the Board or Public, may address the Board on any item related to the company that is not listed on this agenda. However, the Board is prohibited under AB240 from taking any action on an item not appearing on the agenda. The Board President will call on each participant, and at that time, they will have three (3) minutes to speak.*

Old Business:

a.) System Update: Compared to last year, static water levels are similar to this time last year with a steady drop in well levels beginning. Wells 2A and 5 are running an average of 12 hours a day. Water usage is averaging 670,000 thousand gallons per day and the Tunnel is flowing at 135 gallons per minute. Total pumping capacity is 2,082 gallons per minute.

A fire hydrant and valve replacement project on Valle Vista and Amador was completed and which replaced a stand pipe with a new fire hydrant, adding 3 new gate valves which replaced 2 old gate valves. An additional intersection is scheduled.

An emergency Disinfection Plan has been completed and submitted to the SWRCB along with a Grade Band Repair Plan. The Grade Band on Tank 4 has been repaired.

Chris Cummings spoke with Hector with the SWRCB regarding the timeline for the well compliance. After speaking with his superior's, they will not change the dates but will continue to watch the consolidation process and make changes when there is additional progress.

Chris Cummings reported that he had spoken to Jeff Steinmann regarding an extension of time for the property contract.

b.) PPHCSD Consolidation Update: There was not much to report at this time. The contract and work plan with IEC has been approved and executed with DFA. IEC will begin moving forward with engineering work. There are concerns with the water rights that Sheep Creek owns. If all water rights are not purchased, another party can purchase the remaining water rights and use them in the canyon, causing the canyon to be over pumped. This would limit the amount of water available to PPHCSD.

New Business:

a.) Source Capacity Project - CEQA – APN 3066-381-21: Dodson and Associates was contacted regarding an additional CEQA documents for the well that may be drilled on Yucca Terrace and Johnson Rd. The project will be a basic project document and will require the Biological, Cultural and AQ/GHG studies. The well will be located on the corner of Johnson Rd and Yucca terrace Dr. The proposed cost for Dodson and Associates to complete the CEQA documents with the required studies is estimated at $24,000 plus any filing and agency fees.

David Nilsen moved to begin the CEQA for the additional well property. Kellie Williams seconded the motion. Motion carried.

b.) Summer Field Help: Over the past years, Sheep Creek Water has hired summer field help. With summer field help, this will give a student from the high school an opportunity for some experience along with giving the field crew some extra help. The Field crew is requesting for Board approval to hire a student for temporary summer help.

Kellie Williams moved to hire someone from the high school for the requested summer help. Luanne Uhl seconded the motion. Motion carried.

c.) Water Truck: There has been an offer to buy the 1991 International water truck that Sheep Creek Water purchased in 2008. It will be too expensive for the company to remain in compliance with the California Air Resources Control Board. The estimated cost to replace the engine is estimated at $30,000 to $40,000. The offer to purchase the water truck was for $8,000, ("as is"). The new owner will be responsible for the any CARB compliance requirements.

Luanne Uhl motioned to table any decision regarding selling the water truck until after the company knows if additional wells will be drilled.

Next Scheduled Meetings

Wednesday, June 23, 2021 Regular Board of Directors Meeting- via Zoom
Thursday, July 22, 2021 Regular Board of Directors Meeting via Zoom

Adjournment: Andy Zody moved to adjourn the meeting. Kellie Williams seconded the motion. Motion carried. The Regular Board of Directors Meeting of April 15, 2021 was adjourned at 6:30 pm.

Respectfully Submitted,

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

AC

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Regular Board of Directors Meeting – Managers Report

June 23, 2021

PRODUCTION

- May Production- 61.201 AF- 38% decrease from 2013 & 6% increase from 2020
- May Usage- 48.354 AF- 43% decrease from 2013 & 5% increase from 2020

Well soundings & average pumping for the past month:

- Static Water Levels at this time have had a minimal change.
  - **Well 2A** Compared to 1 year ago, static level is down 6.93 feet - 337 gpm
  - **Well 3A** Compared to 1 year ago, static level is down 2.31 feet - 310 gpm
  - **Well 4A** Compared to 1 year ago, static level is down 6.93 feet - 345 gpm
  - **Well 5** Compared to 1 year ago, static level is down 6.93 feet - 298 gpm
  - **Well 8** Compared to 1 year ago, static level is down 6.93 feet- 393 gpm
  - **Tunnel** the Tunnel flow is currently averaging 136 gpm
- Well 5, 2A & 11 are running an average of 11-14 hours a day.
- Total Pumping capacity as of May 31, 2021 is 2,037 gpm.
- Current usage is averaging 7 - 800,000 gallons per day
- **Allotment Tier 1 – First share on account remain 750 CF/Share and Remaining shares 150 CF/Share. $0.50 per hcf**
- **Allotment Tier 2 – 150 CF/Share all shares after Tier 1 $3.46 per hcf**
- **Tier 3 Overage- No Allotment $6.32 per hcf**

Work Completed or in Progress-

- Work orders as office requests
- Well Soundings- weekly
- 15 Meter Upgrades
- 1 Service line replaced
- 3 Mainline Leaks/ 1- Service Line Leak
- Hydrant & Valve Replacement- Ongoing
  - Valle Vista & Amador- 2 tee & valve setups- Completed
  - Monte Vista & Amador- 3 tee & valves- Completed
  - Riggins & Coyote- 3 tee & valve setups prepared, Completed
- Fire Hydrant repaired Nugget Rd
- SWRCB Sanitary Survey- Update Letters Sent 4-16-2021 & 4-27-2021
  - Emergency Disinfection Plan- Submitted and approved
  - Grade Band Repair Plan submitted and approved
  - Storage Tank Recoat Plan to be submitted
  - Repair Tank 2,3,4 Grade Band Repairs completed
- PPHCSD Consolidation- No Update at this time.
  - Monthly update meeting PPHCSD, SWRCB DFA, Sacramento State- Office of Water Programs- Work plan has been executed, engineering design moving forward.
  - Water Right analysis continuing

From: lyris@swrcb18.waterboards.ca.gov,
To: SHEEPCREEK@verizon.net,
Subject: Extension of Water Shutoff Moratorium
Date: Mon, Jun 14, 2021 4:22 pm

This is a message from the State Water Resources Control Board.

Notice to Public Drinking Water Systems

Extension of Water Shutoff Moratorium

Governor's Budget Proposes $1 Billion for Water System Arrearages Relief

June 14, 2021

During the COVID-19 emergency, many Californians experienced job loss, reduced wages, and other hardships that made it difficult for them to pay their water bills. As the state prepares to fully reopen in the coming weeks, certain provisions of Governor Newsom's COVID-19 related executive orders remain necessary to help Californians recover. On June 11, 2021, the governor issued Executive Order N-08-21, which extends the prohibition on discontinuing water service for residential customers and small businesses in a critical infrastructure sector until September 30, 2021.

Water systems played—and still play—a vital role in protecting health and safety by halting water shutoffs for residential customers. Governor Newsom's 2021–22 May Revise to the state budget proposes that $1 billion in American Rescue Plan Act funds be used to provide direct payments to water systems to address customer arrearages and revenue gaps related to the pandemic. Details of this program are still being worked out through the legislative budget process. The State Water Board will share additional details as they become available.

From: maureen.kerner@owp.csus.edu,

To: aczajkowski@iecorporation.com, crossn@csus.edu, David.Chan@Waterboards.ca.gov, dbartz@pphcsd.org, dsalgado@iecorporation.com, eric.zuniga@waterboards.ca.gov, gcardenas@pphcsd.org, hector.cazares@waterboards.ca.gov, joakes@pphcsd.org, Karen.Nishimoto@waterboards.ca.gov, kim.dinh@waterboards.ca.gov, kward@pphcsd.org, lawrence.sanchez@waterboards.ca.gov, Omid.Rabbani@waterboards.ca.gov, rweber@iecorporation.com, sheepcreek@verizon.net, joel.shinneman@owp.csus.edu, swright@pphcsd.org, thomas.nguyen@waterboards.ca.gov,

Subject: AR 6214 Sheep Creek - water rights

Date: Tue, Jun 8, 2021 1:49 pm

Attachments: (551K), Water Rights Analysis PPHCSD.xlsx (117K), Water Rights Analysis SCWC.xlsx (117K), SheepCreek-WaterCalcs2.pdf (67K),

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Hi Lawrence and David,

Dolores (IEC) sent me the Sheep Creek and Phelan Pinon Hills demands and water rights as requested – see the sheets embedded in the attached email.

She is looking for clarification on the "water-calcs 2" document Lawrence sent last week. In particular, if IEC is to do this full analysis they will need additional budget. She also has several questions, and may need to bring on a water rights expert to assist with the analysis.

Please let us know if Dolores should develop a list of clarifying questions and if we need to prepare an amendment. I am happy to schedule a call with the team to discuss if needed.

Take care, all.

Maureen Kerner

Associate Director

OWP EFC | Sacramento State

916-278-8117 | Cell: 916-945-6246

maureen.kerner@owp.csus.edu

Hi Maureen,

I added notes in the attached spreadsheets per our discussion for your reference. Talk to you soon.

Respectfully,

Dolores Salgado, P.E.

Senior Project Manager

Infrastructure Engineering Corporation

1401 Commercial Way, Suite 100

Bakersfield, CA 93309

Phone 661.529.2190 ext. 101

Cell 661.748.3893

dsalgado@iecorporation.com

www.iecorporation.com

From: Kerner, Maureen <maureen.kerner@owp.csus.edu>
Sent: Thursday, June 3, 2021 1:17 PM
To: Amy Czajkowski <aczajkowski@iecorporation.com>; Cross, Nadine M <crossn@csus.edu>; David.Chan@Waterboards.ca.gov; dbartz@pphcsd.org; Dolores Salgado <dsalgado@iecorporation.com>; eric.zuniga@waterboards.ca.gov; gcardenas@pphcsd.org; hector.cazares@waterboards.ca.gov; joakes@pphcsd.org; Karen.Nishimoto@waterboards.ca.gov; kim.dinh@waterboards.ca.gov; kward@pphcsd.org; Lawrence Sanchez <lawrence.sanchez@waterboards.ca.gov>; Omid.Rabbani@waterboards.ca.gov; Rob Weber <rweber@iecorporation.com>; sheepcreek@verizon.net; Shinneman, Joel <joel.shinneman@owp.csus.edu>; swright@pphcsd.org; thomas.nguyen@waterboards.ca.gov
Subject: AR 6214 Sheep Creek - 6/3/21 mtg notes

Thanks for the call today. Here are the meeting notes.

1. Attendance

   a. See attached spreadsheet. Attendees are highlighted green.
2. Work Plan/Agreement Status
   a. Work plan is executed. IEC completing form related to UEI/IEC agreement. Agreement hopefully executed by July.
3. Water Rights
   a. Water Board staff clarified that the combined existing demand for PPHCSD & SCWC should be determined and compared with each system's existing water rights. This will inform what if any water rights are eligible as part of this funding project.
   b. Estimation of future demand is not needed.
   c. SHWC emphasized that SCWC needs to maintain all its water rights so there is enough water for the community. PPHCSD staff expressed similar concerns. Supply in the basins is depleting and demand by others is high.
   d. Upon execution of IEC's agreement, IEC will gather existing demands and water rights and submit to the team via email. IEC will include SCWS and PPHCSD concerns about water availability and competing rights by others in the area. The Water Board staff will use this information to evaluate funding availability.
4. Other
   a. Maureen noted that if IEC needs to change deliverable dates due to delays in executing the work plan and consultant agreement that can be done.
5. Actions Items
   a. Maureen to develop meeting notes.
   b. IEC to submit email regarding demands vs water rights, including availability and competition concerns, upon agreement execution
   c. Next meeting: July 1, 11 am.

Maureen Kerner

Associate Director

OWP EFC | Sacramento State

916-278-8117 | Cell: 916-945-6246

maureen.kerner@owp.csus.edu

IEC Proposal:
IEC have item 5c in the Tech Memo (TM) to perform a Production and Consumption Analysis per SB 555 and AB 1068. I would think that they would need the current MDD/capacity for both systems and could add them together to get the total for combined system. IEC also has to perform a Consolidation Analysis (item 3 in the TM). They should have MDD and capacity for this item as well to ensure that it is a feasible option.

Verify how these apply:
SB 555 urban retailer water loss audits
AB 1068 affordable housing - is this referring to AB 1668 instead?

Water Right Analysis:
As part of the Consolidation Analysis, and Production and Consumption Analysis compile a summary of the water rights by type/ownership and any restrictions / benefits on their use compared to other types available. Include opportunities for reduction in water loss/demands. Compare alternatives for relinquishing or acquiring additional rights as necessary based on the proposed operation of the system.

Growth:
Any proposal to include projected growth into the project would need to be backed up by Census or other master plan documents and balanced with the system's own capacity for such growth. Generally, growth is not allowed as the primary driver of project components. If a developer is coming in to develop land, then the onus for additional water rights and infrastructure should be borne by such a developer at that time.

Reduced Capacity:
Any proposal to include projected water rights reductions into the project would need to be similarly backed up.

Service Connection / Usage Type:
An additional item to consider in the analysis is residential MDD compared to agricultural use demand (and other non-residential usage). The DWSRF funding is specifically for the benefit of residential use not commercial/agricultural use. Looking at the Sheep Creek's past annual reports (ARs) the Single Family Residence (SFR) connections have decreased while the agricultural connections have increased, which signals that residential growth has not been prioritized. Typically, agricultural use is higher volume compared to residential usage though the AR shows that groundwater production has also decreased. Sheep Creek is showing 11% of usage is from irrigation usage or 22% when added to commercial usage. IEC should graph the total usage and usage per connection type for both systems over time to demonstrate the trends. Phelan's production has remained stable over last 10 years according to ARs. Phelan's reports don't identify ag connections / usage this will need to be rectified (Other and commercial connections account for 11% usage).

Comment on the increase of agricultural use while demand has dropped. Phelan does not seem to report their agricultural and other non-domestic uses. These factors should be included in the total water demand calculation for both systems and how it impacts the systems' ability to meet MDD.

Re: AR 6214 Sheep Creek - Water Rights

Chan, David@Waterboards <David.Chan@Waterboards.ca.gov>

Fri 5/14/2021 2:08 PM

To: Kerner, Maureen <maureen.kerner@owp.csus.edu>; Zuniga, Eric@Waterboards <Eric.Zuniga@waterboards.ca.gov>; Cazares, Hector I.@Waterboards <Hector.Cazares@Waterboards.ca.gov>; Nishimoto, Karen@Waterboards <Karen.Nishimoto@waterboards.ca.gov>; Dinh, Kim@Waterboards <Kim.Dinh@waterboards.ca.gov>; Sanchez, Lawrence@Waterboards <Lawrence.Sanchez@waterboards.ca.gov>; Rabbani, Omid@Waterboards <Omid.Rabbani@Waterboards.ca.gov>; Shinneman, Joel <joel.shinneman@owp.csus.edu>; Nguyen, Thomas@Waterboards <Thomas.Nguyen@Waterboards.ca.gov>

Hi Maureen,

Below are my thoughts. Lawrence, please confirm as you will be reviewing their application and determining what Water Rights costs are eligible.

Best regards,

David Chan, PE
Water Resource Control Engineer
Phone: (916) 341-5441
Small Community Technical Assistance

From: Kerner, Maureen <maureen.kerner@owp.csus.edu>
Sent: Thursday, May 13, 2021 9:50 AM
To: Chan, David@Waterboards <David.Chan@Waterboards.ca.gov>; Zuniga, Eric@Waterboards <Eric.Zuniga@waterboards.ca.gov>; Cazares, Hector I.@Waterboards <Hector.Cazares@Waterboards.ca.gov>; Nishimoto, Karen@Waterboards <Karen.Nishimoto@waterboards.ca.gov>; Dinh, Kim@Waterboards <Kim.Dinh@waterboards.ca.gov>; Sanchez, Lawrence@Waterboards <Lawrence.Sanchez@waterboards.ca.gov>; Rabbani, Omid@Waterboards <Omid.Rabbani@Waterboards.ca.gov>; Shinneman, Joel <joel.shinneman@owp.csus.edu>; Nguyen, Thomas@Waterboards <Thomas.Nguyen@Waterboards.ca.gov>
Subject: AR 6214 Sheep Creek - Water Rights

EXTERNAL:

Hello Water Board staff,

Dolores from IEC called me to get and provide some clarification regarding the direction given to run calculations regarding Water Rights. Three items:

1. Calculating current/near term net water demand: IEC would like to confirm they should just estimate the combined demand between Phelan Pinon Hills and Sheep Creek, and compare that to the existing combined Water Rights. Please confirm. **Yes, we would want to estimate the current/near term water demand and compare them to the existing combined Water Rights. Funding for Water Rights beyond what the consolidated systems need is not typically eligible.**

2. Calculating future water demand: IEC did not include estimating future demands in their scope. If this is needed, the work plan will need to be amended for additional budget. They will also need to know what time frame to project out. Please clarify. **We are not funding for future demand, so this calculation is not needed.**

3. IEC reiterated that Phelan Pinon Hills is only willing to consolidate contingent on receiving all of Sheep Creek's water rights, particularly because of the declining source volumes in their region. Sheep Creek is expecting to have their water rights purchased from them…presumably from the Water Board as part of consolidation. IEC cited the appraisal report again above the value of the water rights. I told IEC at this point the Water Board staff could not commit to anything, and first needed to see the calculations, as we've all previously discussed. Can one of you please give me direction of how to otherwise respond? Or feel free to share an email to the full Sheep Creek-Phelan Pinon-IEC-Water Board – OWP team. Or we can table it for the June call. **Yes, we would need to see the calculations before determining how much of the Water Rights are eligible for reimbursement.**

Thanks much!
Maureen

Maureen Kerner
Associate Director
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Sheep Creek Water Company

Storage Tank Recoat Plan

May 2021

Sheep Creek Water Company (SCWC) owns and operates seven water storage tanks for the purpose of meeting the water needs for the community of Phelan. SCWC's storage tanks are placed at various locations and elevations to meet the needs such as Fire Flow, Maximum Day Demand, Power outages, Drought Emergencies and Off Peak Pumping. Storage tanks consist of five bolted tanks range in age from 32 – 42 years and two welded tanks 28 and 12 years.

Storage Tank Inspection and Maintenance- SCWC routinely inspects all storage tanks. Visual inspection and tank levels are completed daily during daily rounds. By-monthly inspections are more in-depth including a visual inspection of the interior on the tank. Tanks are overflowed when necessary and at a minimum of once a year. SCWC has all storage tank on a three year dive maintenance and inspection schedule. Dive inspections are completed by certified dive contractors. During dive inspections, sediment is vacuumed and minor repairs are completed as necessary.

Storage Tank Painting and Coatings- Interior and exterior coatings are currently being planned for future improvements and will be included into future operating budgets. Interior and exterior coatings are monitored through by-monthly and tri-annual dive inspections. Spot repairs are completed as necessary to maintain the integrity of the tank until such time complete tank rehabilitation can be accomplished.

TANK 2- Condition Fair

- Constructed in 1979
- Three Ring bolted steel, HWL 23'
- Interior and exterior recoat completed in late 1980's
- Exterior inlet & outlet piping recoated September 2020
- Steel Grade Band with gravel bed. Grade band repair completed June 2021

- Gauge Board, level float and guide wires replaced February 2020
- Stainless steel vent screen and mesh replaced August 2019
- Exterior coating in fair condition- Estimated recoat timeline 2-3 years
    - Exterior fittings and ladder shows signs of surface rust in a few spots
    - Pressure wash, prime, recoat with polyurethane
    - Sand and surface prep any rust spots prior to priming
    - Spot repairs to be completed until repaint
- Interior coating fair to ok condition- Estimated rehabilitation 5 years
    - Rehabilitation possibly to be completed with Tank 4

TANK 4- Condition Fair

- Constructed in 1984
- Three Ring bolted steel, HWL 23'
- Exterior inlet & outlet piping recoated September 2020
- Steel Grade Band with gravel bed. Grade band repair completed May 2021
- Gauge Board, level float and guide wires replaced February 2020
- Stainless steel vent screen and mesh replaced August 2019
- Exterior coating in ok condition- Estimated recoat timeline 2-3 years
    - Exterior roof shows signs of surface rust in a few spots
    - Exterior fittings and ladder shows signs of surface rust in a few spots
    - Pressure wash, prime, recoat with polyurethane
    - Sand and surface prep rust spots prior to priming
    - Spot repairs to be completed until repaint
- Interior coating fair to ok condition- Estimated rehabilitation 5 years
    - Rehabilitation possibly to be completed with Tank 2

TANK 3- Condition Fair

- Constructed in 1983
- Two Ring bolted steel, HWL 15'
- Last exterior recoat completed in 1999
- Inlet control valves and piping scheduled for replacement- Late 2021
- Steel Grade Band with gravel bed. Grade band repair completed June 2021
- Gauge Board, level float and guide wires replaced February 2020
- Stainless steel vent screen and mesh replaced August 2019
- Exterior coating in good condition- Estimated recoat timeline 2-3 years
    - Pressure wash, prime, recoat with polyurethane
    - Sand and surface prep any rust spots prior to priming
- Interior coating fair to ok condition- Estimated rehabilitation 8-10 years
    - Interior of side walls to be cleaned of calcium deposits in next dive inspection

TANK 5- Condition Fair

- Constructed in 1985
- Two Ring bolted steel, HWL 15'
- Last exterior recoat completed in 1998
- Steel Grade Band with gravel bed. Grade band repair scheduled for August 2021
- Gauge Board, level float and guide wires replaced February 2020
- Stainless steel vent screen and mesh replaced October 2019
- Exterior coating in ok condition- Estimated recoat timeline 1 year
    - Coating fading exposing primer
    - Pressure wash, prime, recoat with polyurethane
    - Sand and surface prep any rust spots prior to priming
- Interior coating fair to ok condition- Estimated rehabilitation 5-8 years
    - Rehabilitation possibly to be completed with Tank 7

TANK 6- Condition Fair

- Constructed in 1989
- Three Ring bolted steel, HWL 23'
- Steel Grade Band with gravel bed. Grade band repair scheduled for July 2021
- Level Gauge and housing replaced December 2019
- Stainless steel vent screen and mesh replaced October 2019
- Exterior coating in ok condition- Estimated recoat timeline 3-5 years
    - Exterior roof shows signs of surface rust in a few spots
    - Exterior fittings and ladder shows signs of surface rust in a few spots
    - Pressure wash, prime, recoat with polyurethane
    - Sand and surface prep rust spots prior to priming
    - Spot repairs to be completed until repaint completed
- Interior coating fair to ok condition- Estimated rehabilitation 10-12 years
    - Interior of side walls to be cleaned of calcium deposits in next dive inspection

TANK 7- Condition Fair to Good

- Constructed in 1993
- Two Ring welded steel, HWL 15'
- Steel Grade Band with gravel bed. Grade band repair completed June 2021
- Gauge Board, level float and guide wires replaced February 2020
- Exterior coating in ok condition- Estimated recoat timeline 3-5 years
    - Coating beginning to fade exposing primer
    - Pressure wash, prime, recoat with polyurethane
    - Sand and surface prep rust spots prior to priming
    - Spot repairs to be completed until repaint completed

- Interior coating fair condition- Estimated rehabilitation 10-12 years
    - Interior of side walls to be cleaned due to well oil film on side walls

TANK 8- Condition Good

- Constructed in 2009
- Three Ring welded steel with knuckle, HWL 23'
- Concrete Ring Wall
- Exterior coating in good condition- Estimated recoat timeline 10-12 years
    - Small sections of coating beginning to peel in joint overlaps
    - Peeling sections to be repaired as necessary
    - Spot repairs to be sanded and repaint with polyurethane
- Interior coating fair to good condition- Estimated rehabilitation 15-20 years
    - Spot repairs to be completed as necessary during dive inspections

Storage Tank Painting and Coatings Timeline- Timelines for interior and exterior painting, recoating's and rehabilitation are estimates based on current condition budget and priorities. Timelines and priorities of rehabilitations can change based on future dive inspections and changes to visual conditions of storage tanks.

SHEEP CREEK WATER COMPANY June 14, 2021

Well Number	Date	Year Well Drilled/ Serviced	Total Well Depth Ft	Pump Depth Ft	Static Level Ft	Pumping Level Ft	Water above Pump Pumping Ft	Water above Pump Static Ft	Draw Down	Yield Gallons per Foot	GPM 24 Hour Average	
	3/1/21											#VALUE!
2A	50hp	2011	725	505	260.14	276.31	**228.69**	**244.86**	16	20.59	333	53.5hz
3A	100hp	2002	500	460	265.96	279.82	**180.18**	**194.04**	14	23.74	329	47hz
4A	150hp	2004	500	440	278.3	296.78	**143.22**	**161.7**	18	16.23	300	47hz
5	40hp	2014	520	420	269.85	279.09	**140.91**	**150.15**	9	33.55	310	57.5hz
8	150hp	2004	480	440	310.64	324.5	**115.5**	**129.36**	14	25.25	350	55.5.hz
11	150hp	2018	1480	1100	947	983	**117**	**153**	36	6.97	251	53hz
	4/6/21											1,873
2A	50hp	2011	725	505	262.45	276.31	**228.69**	**242.55**	14	24.03	333	53.5hz
3A	100hp	2002	500	460	265.96	279.82	**180.18**	**194.04**	14	23.74	329	47hz
4A	150hp	2004	500	440	278.3	289.85	**150.15**	**161.7**	12	25.97	300	47hz
5	40hp	2014	520	420	272.16	281.4	**138.6**	**147.84**	9	33.55	310	57.5hz
8	150hp	2004	480	440	312.95	329.12	**110.88**	**127.05**	16	21.65	350	55.5.hz
11	150hp	2018	1480	1100	947	983	**117**	**153**	36	6.97	251	53hz
	5/3/21											1,873
2A	50hp	2011	725	505	267.07	276.31	**228.69**	**237.93**	9	37.99	351	53.5hz
3A	100hp	2002	500	460	270.58	284.44	**175.56**	**189.42**	14	22.37	310	47hz
4A	150hp	2004	500	440	282.92	292.16	**147.84**	**157.08**	9	37.34	345	47hz
5	40hp	2014	520	420	276.78	286.02	**133.98**	**143.22**	9	32.25	298	57.5hz
8	150hp	2004	480	440	315.26	329.12	**110.88**	**124.74**	14	28.35	393	55.5.hz
11	150hp	2018	1480	1100	947	983	**117**	**153**	36	6.97	251	53hz
	6/14/21											1,948
2A	50hp	2011	725	505	274	290.17	**214.83**	**231**	16	21.71	351	53.5hz
3A	100hp	2002	500	460	279.82	289.06	**170.94**	**180.18**	9	33.55	310	47hz
4A	150hp	2004	500	440	285.23	301.4	**138.6**	**154.77**	16	21.34	345	47hz
5	40hp	2014	520	420	283.71	295.26	**124.74**	**136.29**	12	25.80	298	57.5hz
8	150hp	2004	480	440	317.57	333.74	**106.26**	**122.43**	16	24.30	393	55.5.hz
11	150hp	2018	1480	1100	949	982	**118**	**151**	33	7.61	251	53hz
												1,948
										TUNNEL		134
										TOTAL PRODUCTION		2,082

MSEXCEL/WELLDEPTHS21

DAILY PRODUCTION FOR MAY 2021 GALLONS

Date	WELL # 2A	WELL # 3A	WELL # 4A	WELL # 5	WELL # 8	WELL # 11	GPM	TUNNEL	TOTAL	CU.FT.	A.F.	GPM
1	218000				241000		136	195408	654408	87487.7	2.008	454
2	210000				231000		136	195408	636408	85081.28	1.9528	442
3	91000	17000	17000	14000	100000	17500	136	195408	451908	60415.51	1.3866	314
4	274000			118000	144000		136	195408	731408	97781.82	2.2443	508
5	285000			256000			136	195408	736408	98450.27	2.2596	511
6	156000			138000			136	195408	489408	65428.88	1.5017	340
7	234000			208000			136	195408	637408	85214.97	1.9558	443
8	262000			231000			136	195408	688408	92033.16	2.1123	478
9	303000			231000			136	195408	729408	97514.44	2.2381	507
10	216000			147000			136	195408	558408	74653.48	1.7134	388
11	245000			188000			136	195408	628408	84011.76	1.9282	436
12	267000			239000			136	195408	701408	93771.12	2.1522	487
13	234000			206000			136	195408	635408	84947.59	1.9497	441
14	258000			230000			136	195408	683408	91364.71	2.097	475
15	250000			221000			136	195408	666408	89091.98	2.0448	463
16	234000			208000			136	195408	637408	85214.97	1.9558	443
17	197000			176000			136	195408	568408	75990.37	1.7441	395
18	236000			210000			136	195408	641408	85749.73	1.9681	445
19	231000			209000			136	195408	635408	84947.59	1.9497	441
20	246000			212000			136	195408	653408	87354.01	2.0049	454
21	249000			221000			136	195408	665408	88958.29	2.0418	462
22	241000			213000			136	195408	649408	86819.25	1.9927	451
23	230000			204000			136	195408	629408	84145.45	1.9313	437
24	102000			91000			136	195408	388408	51926.2	1.1918	270
25	286000			254000		4400	136	195408	739808	98904.81	2.27	514
26	312000			277000			136	195408	784408	104867.4	2.4069	545
27	201000			180000			136	195408	576408	77059.89	1.7687	400
28	198000	20000	21000	168000	22000		136	195408	624408	83477.01	1.9159	434
29	259000			228000			136	195408	682408	91231.02	2.0939	474
30	274000			248000			136	195408	717408	95910.16	2.2013	498
31	277000			251000			136	195408	723408	96712.3	2.2197	502
Ttl's	7276000	37000	38000	5777000	738000	21900		6057648	19945548	2666517	**61.201**	
	A.F.	A.F.	A.F.	A.F.	A.F.	A.F.	Av.	mgd	mgd	cu.ft/day	afd	
	22.325867	0.1135318	0.1166002	17.726296	2.2644983	0.0671985	**136**	0.195408	0.643405	86016.68	1.9742	
								A.F.				
								18.58744				

MSEXCEL/DAILYPROD21

PRODUCTION 6 - YEAR RECAP

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	TOTAL	TOTAL	
2021	14%	-2%	18%	45%	6%	-100%	-100%	-100%	-100%	-100%	-100%	-100%				Reduction compared to 2020
	-32%	-37%	-49%	-38%	-38%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	GALLS	CU.FT.	A.F.	Reduction compared to 2013
Tunnel	5,901,408	5,382,560	5,937,120	5,806,080	6,057,648								29,064,816	3,885,671	89.18	
Well # 2A	22,000	29,000	17,000	4,431,000	7,276,000								11,775,000	1,574,198	36.13	
Well # 3A	17,000	24,000	15,000	26,000	37,000								119,000	15,909	0.37	
Well # 4A	12,000	23,000	17,000	29,000	38,000								119,000	15,909	0.37	
Well # 5	16,000	28,000	15,000	25,000	5,777,000								5,859,000	783,289	17.98	
Well # 8	6,375,000	5,345,000	6,820,000	6,312,000	738,000								25,590,000	3,421,123	78.52	
Well # 11	11,400	12,100	4,800	5,900	21,900								56,100	7,500	0.17	
PPHCSD	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	19,945,548	0	0	0	0	0	0	0	72,582,916	9,703,598	222.72	
TOTAL CF	1,651,712	1,446,746	1,714,695	2,223,928	2,666,517	0	0	0	0	0	0	0	Total Reduction=			
TOTAL AF	37.910	33.205	39.355	51.043	61.201	0.000	0.000	0.000	0.000	0.000	0.000	0.000				
2020													GALLS	CU.FT.	A.F.	
Tunnel	5,481,792	5,087,000	5,428,224	5,313,600	5,671,000	5,652,000	5,954,000	5,954,976	5,754,240	5,896,944	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	25,000	6,825,000	6,401,000	4,177,000	2,480,000	45,643,000	6,102,005	140.05	
Well # 4A	31,000	28,000	21,000	44,000	14,000	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	440,000	347,000	3,529,000	6,710,000	3,062,000	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	1,109,600	2,906,300	705,800	274,500	0	11,200	10,700	5,911,300	790,281	18.14	
PPHCSD	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	11,316,500	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	2,624,163	2,396,116	1,742,193	1,512,901				
TOTAL AF	33.270	33.774	33.402	35.117	57.805	63.193	72.422	65.964	60.229	54.995	39.986	34.724				
2019													GALLS	CU.FT.	A.F.	
Tunnel	4,808,174	4,384,800	5,017,090	5,163,000	5,517,058	5,140,800	5,490,720	5,713,920	5,537,000	5,624,640	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	1,076,000	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	15,000	57,000	22,000	10,000	15,000	548,000	73,262	1.68	
Well # 5	2,928,000	2,285,000	2,278,000	3,881,000	3,637,000	4,746,000	6,006,000	6,506,000	5,055,000	6,346,000	2,102,000	3,173,000	48,943,000	6,543,182	150.18	
Well # 8	3,122,000	2,612,000	6,000	12,000	76,000	310,000	58,000	2,865,000	4,922,000	1,695,000	3,445,000	1,134,000	20,257,000	2,708,155	62.16	
Well # 11	250,600	267,200	322,500	663,600	988,800	2,385,700	2,281,300	2,739,700	2,481,500	456,100	44,800	0	12,881,800	1,722,166	39.53	
PPHCSD	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	1,894,446	2,426,003	2,638,104	2,775,350	2,433,489	2,329,511	1,614,679	1,434,139				
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				
2018													GALLS	CU.FT.	A.F.	
Tunnel	5,879,088	5,204,900	5,674,190	5,428,987	5,583,000	5,362,000	5,450,000	5,395,000	5,150,736	5,272,877	5,070,989	5,159,000	64,630,776	8,640,478	198.31	
Well # 2A	0	0	238,000	1,682,000	17,000	184,000	2,142,000	1,152,000	998,000	128,000	5,000	0	6,546,000	875,134	20.09	
Well # 3A	0	0	11,000	157,000	1,147,000	665,000	10,000	6,000	0	0	0	0	1,996,000	266,845	6.12	
Well # 4A	123,000	157,000	255,000	1,458,000	2,316,000	74,000	73,000	9,000	0	0	12,000	0	4,477,000	598,529	13.74	
Well # 5	3,559,000	4,031,000	3,129,000	5,518,000	6,216,000	8,424,000	6,448,000	5,119,000	5,118,000	5,592,000	4,571,000	3,535,000	61,258,000	8,189,572	187.97	
Well # 8	3,971,000	4,511,000	3,531,000	5,312,000	3,966,000	6,487,000	6,279,000	5,507,000	6,059,000	5,714,000	4,346,000	3,423,000	59,106,000	7,901,872	181.36	
Well # 11	0	0	0	0	0	0	0	0	0	0	0	24,700	24,700	3,302	0.08	
PPHCSD	0	0	0	0	0	0	0	5,525,000	0	0	0	0	5,525,000	738,636	16.95	
TOTAL G	13,532,088	13,903,909	12,838,190	19,555,987	19,245,000	21,196,000	20,402,000	22,713,000	17,323,736	16,706,877	14,004,989	12,141,700	203,563,476	27,214,368	624.62	
TOTAL CF	1,809,103	1,858,811	1,716,336	2,614,437	2,572,861	2,833,690	2,727,540	3,036,497	2,316,007	2,233,540	1,872,325	1,623,222				
TOTAL AF	41.522	42.663	39.393	60.006	59.052	65.038	62.602	69.693	53.157	51.264	42.973	37.256				
2017													GALLS	CU.FT.	A.F.	
Tunnel	6,570,115	5,860,915	6,590,203	6,468,984	6,579,043	6,284,000	6,397,805	6,255,850	5,989,982	6,108,091	5,865,005	5,960,779	74,930,772	10,017,483	229.92	
Well # 2A	18,000	23,000	0	0	19,000	168,000	36,000	10,000	9,000	8,000	0	0	291,000	38,904	0.89	
Well # 3A	3,727,000	5,786,000	7,405,000	6,194,000	6,006,000	5,728,000	4,964,000	2,496,000	2,485,000	282,000	0	0	45,073,000	6,025,802	138.30	
Well # 4A	439,000	45,000	0	279,000	37,000	47,000	403,000	1,203,000	9,000	2,397,000	2,081,000	864,000	7,804,000	1,043,316	23.95	
Well # 5	62,000	29,000	0	100,000	2,687,000	4,115,000	6,412,000	7,334,000	6,533,000	5,182,000	3,992,000	4,054,000	40,500,000	5,414,439	124.27	
Well # 8	28,000	26,000	1,692,000	5,444,000	6,327,000	6,284,000	7,282,000	7,135,000	6,590,000	5,498,000	4,341,000	4,521,000	55,168,000	7,375,401	169.28	
PPHCSD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	
TOTAL G	10,844,115	11,769,915	15,687,203	18,485,984	21,655,043	22,626,000	25,494,805	24,433,850	21,615,982	19,475,091	16,279,005	15,399,779	223,766,772	29,915,344	686.61	
TOTAL CF	1,449,748	1,573,518	2,097,220	2,471,388	2,895,059	3,024,866	3,408,396	3,266,557	2,889,837	2,603,622	2,176,338	2,058,794				
TOTAL AF	33.27	36.12	48.14	56.72	66.45	69.43	78.23	74.97	66.33	59.76	49.95	47.25				
2016													GALLS	CU.FT.	A.F.	
Tunnel	8,211,082	7,599,067	7,907,083	7,593,998	7,591,925	7,261,013	7,365,600	7,221,859	6,873,984	6,987,946	6,655,003	6,717,874	87,986,434	11,762,892	269.98	
Well # 2A	16,000	27,000	3,393,000	4,281,000	6,731,000	3,365,000	3,066,000	124,000	0	3,000	6,000	1,000	21,013,000	2,809,225	64.48	
Well # 3A	29,000	31,000	35,000	1,692,000	4,498,000	10,091,000	4,110,000	1,218,000	101,000	13,000	11,000	12,000	21,841,000	2,919,920	67.02	
Well # 4A	48,000	35,000	30,000	43,000	29,000	2,932,000	3,056,000	1,504,000	220,000	17,000	16,000	18,000	7,948,000	1,062,567	24.39	
Well # 5	4,831,000	6,174,000	7,368,000	7,135,000	7,324,000	6,861,000	8,024,000	6,451,000	6,668,000	5,803,000	4,457,000	3,294,000	74,390,000	9,945,187	228.26	
Well # 8	22,000	20,000	21,000	26,000	32,000	5,286,000	6,395,000	7,963,000	7,231,000	5,121,000	4,332,000	2,915,000	39,364,000	5,262,567	120.79	
PPHCSD	0	0	0	0	0	0	0	4,060,000	587,000	0	0	0	4,647,000	621,257	14.26	
TOTAL G	13,157,082	13,886,067	18,754,083	20,770,998	26,205,925	35,796,013	32,016,600	28,541,859	21,680,984	17,944,946	15,477,003	12,957,874	257,189,434	34,383,614	789.17	
TOTAL CF	1,758,968	1,856,426	2,507,230	2,776,871	3,503,466	4,785,563	4,280,294	3,815,757	2,898,527	2,399,057	2,069,118	1,732,336				
TOTAL AF	40.37	42.61	57.55	63.73	80.41	109.84	98.24	87.58	66.53	55.06	47.49	39.76				

Population 3361

CONSUMPTION 10-YEAR

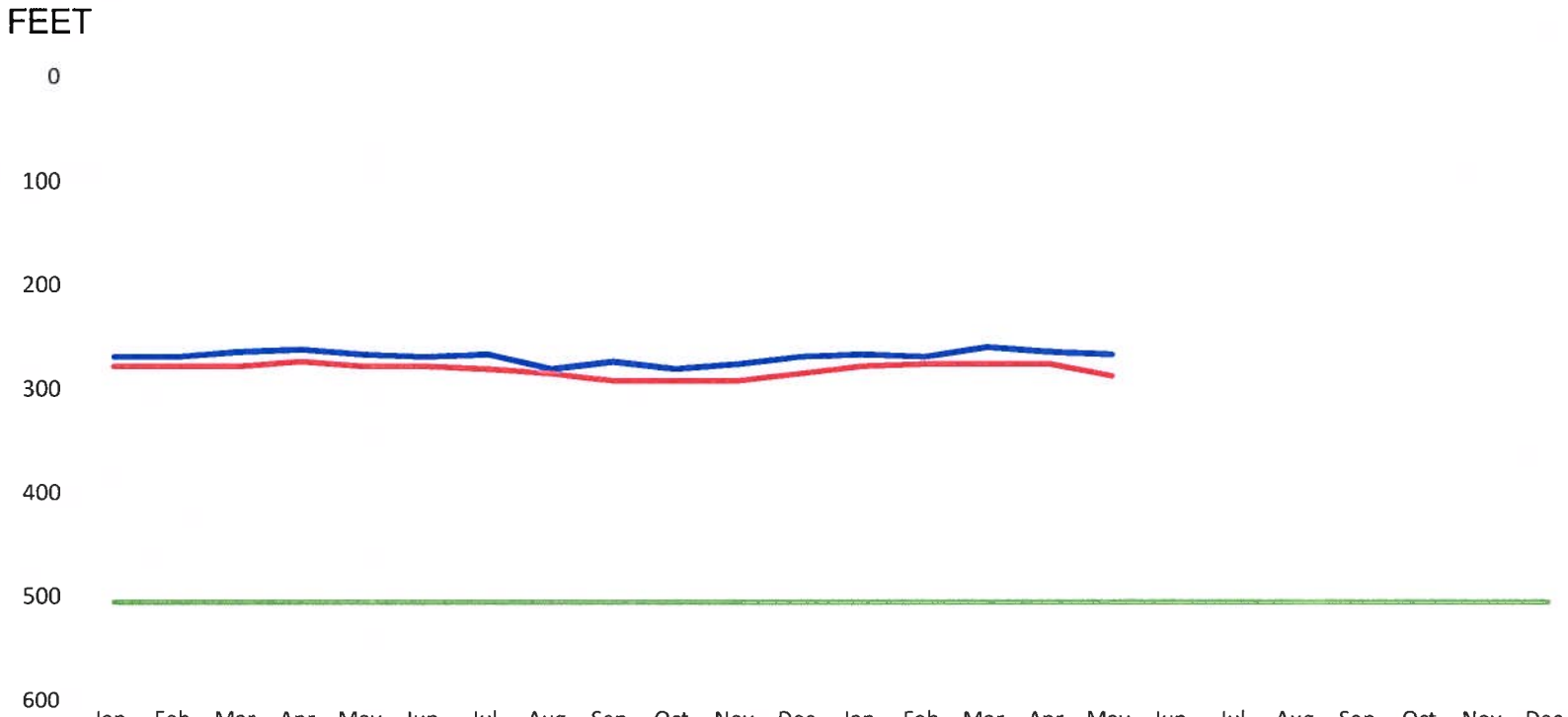
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
					5%									
2021	-30%	-17%	-31%	-37%	-43%	-100%	-100%	-100%	-100%	-100%	-100%	-100%		Reduction with 2013
Cons'n HCF	12,493	12,897	13,998	19,265	21,063								79,717	
Cons'n GPM	209	239	235	334	353	0	0	0	0	0	0	0	114	
Cons'n A.F.	28.680	29.607	32.136	44.227	48.354	0.000	0.000	0.000	0.000	0.000	0.000	0.000	183.005	
Ave GPDPP	89.690219	92.588359	100.49688	138.30796	151.21358	0	0	0	0	0	0	0		
2020	-33%	-27%	-43%	-58%	-46%	-40%	-44%	-44%	-34%	-30%	-25%	-10%		Reduction with 2013
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	215,185	
Cons'n GPM	203	211	192	225	335	398	423	406	419	363	252	242	306	
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	493.996	
Ave GPDPP	86.922739	81.502788	82.252217	93.349131	143.3696	165.21983	181.04844	173.89903	173.83701	155.36247	104.45753	103.61528		
2019	-31%	-30%	-49%	-47%	-53%	-49%	-46%	-43%	-40%	-36%	-28%	-20%		Reduction with 2013
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	204,279	
Cons'n GPM	209	204	173	284	290	337	408	412	379	331	241	217	290	
Cons'n A.F.	28.652	25.207	23.707	37.606	39.688	44.695	55.838	56.409	50.203	45.325	31.926	29.706	468.960	
Ave GPDPP	24.104736	21.206401	19.944809	31.637999	33.389581	37.601906	46.976792	47.457182	42.236023	38.132261	26.859743	24.991719		
2018	-15%	-7%	-37%	-41%	-40%	-35%	-40%	-39%	-39%	-39%	-16%	-18%	-30%	Reduction with 2013
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	231,605	
Cons'n GPM	257	268	213	315	370	428	452	443	387	314	284	220	329	
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	531.693	
Ave GPDPP	29.665816	29.856077	24.530372	35.163219	42.647638	49.354477	52.146479	51.021435	44.633485	36.236985	32.728762	26.190378		
2017	-38%	-35%	-24%	-33%	-34%	-33%	-42%	-30%	-40%	-29%	3%	-3%	-28%	Reduction with 2013
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	243,231	
Cons'n GPM	186	187	256	359	405	446	438	508	384	368	345	261	345	
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	558.381	
Ave GPDPP	21.479169	19.483867	29.501514	40.090751	46.644866	49.802139	50.431864	58.542473	42.809545	42.418712	38.458238	30.105937		
2016	-25%	10%	3%	-26%	-21%	11%	-21%	-17%	-28%	-35%	0%	-19%	-16%	Reduction with 2013
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	295,892	
Cons'n GPM	226	318	350	394	489	734	596	597	457	333	336	220	421	
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	679.274	
Ave GPDPP	26.068942	33.110632	40.394865	43.942817	56.373135	81.837267	68.744759	68.866995	50.950631	38.354311	37.525385	25.307479		
2015				-4%	-27%	-20%	-33%	-27%	-9%	-18%	-8%	11%	-15%	Reduction with 2013
Cons'n HCF	15,686	15,711	20,472	29,631	26,759	30,807	30,067	31,370	33,365	25,346	18,042	17,975	295,231	
Cons'n GPM	263	291	343	513	448	533	504	526	578	425	312	301	420	
Cons'n A.F.	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	
Ave GPDPP	30.295134	30.344616	39.538687	57.228231	51.681617	59.499816	58.07143	60.586483	64.440519	48.952702	34.844928	34.717342		
2014														
Cons'n HCF	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 GPM	300	349	316	532	592	686	776	590	665	563	359	319	504	
Cons'n A.F.	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														
Cons'n HCF	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 GPM	301	289	339	533	616	662	754	721	635	515	336	270	498	
Cons'n A.F.	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	
													46.763566	
2012														
Cons'n HCF	15,541	16,894	20,272	19,552	39,647	36,242	44,216	41,956	31,268	28,645	20,721	15,028	329,982	
Cons'n GPM	260	313	340	339	664	628	741	703	541	480	359	252	468	
Cons'n A.F.	36	39	47	45	91	83	102	96	72	66	48	34	758	

AVERAGE GALLONS PER MINUTE

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
2021	36%	13%	13%	4%	4%	-100%	-100%	-100%	-100%	-100%	-100%	-100%	Compare 2020
Tunnel	132	133	133	134	136								
Well # 2A	333	345	315	351	343								
Well # 3A	329	308	313	310	315								
Well # 4A	300	348	354	345	315								
Well # 5	310	310	312	298	299								
Well # 8	351	393	396	393	378								
Well # 11	251	251	251	251	251								
TOTAL G	**2,006**	**2,088**	**2,074**	**2,082**	**2,037**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	
2020	26%	43%	40%	56%	51%	53%	62%	50%	55%	48%	45%	36%	Compare 2019
Tunnel	123	122	122	123	127	131	133	133	133	132	132	133	
Well # 2A	250	279	262	306	286	292	344	339	336	333	319	333	
Well # 3A	0	312	324	327	318	311	311	347	321	333	323	329	
Well # 4A	272	292	250	319	292	302	372	350	332	269	288	300	
Well # 5	305	309	327	314	319	307	311	318	289	289	302	310	
Well # 8	270	284	295	367	367	367	348	322	333	333	333	350	
Well # 11	251	251	251	251	251	251	251	251	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%	166%	155%	154%	70%	83%	Compare 2018
Tunnel	107	109	112	119	124	119	123	128	128	126	125	124	
Well # 2A	150	208	207	170	179	189	184	158	172	204	186	229	
Well # 3A	148	186	194	186	186	167	162	167	0	0	0	0	**Pump Pulled 9-19**
Well # 4A	174	179	185	189	194	167	167	179	207	207	207	312	
Well # 5	155	168	170	173	165	197	196	231	270	283	290	299	
Well # 8	181	193	193	198	198	192	195	258	259	242	285	263	
Well # 11	251	251	251	251	251	251	251	251	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%	Compare 2017
Tunnel	131	129	127	125	125	124	122	121	119	118	118	116	
Well # 2A	0	150	175	135	125	55	30	30	25	25	30	30	
Well # 3A	115	211	122	195	167	33	25	25	25	25	25	25	
Well # 4A	199	213	251	194	168	99	60	60	60	60	60	60	
Well # 5	286	289	297	279	274	278	124	119	124	128	138	147	
Well # 8	320	325	337	317	284	205	141	161	152	161	167	179	
Well # 11	0	0	0	0	0	0	0	0	0	0	251	251	
TOTAL G	**1,051**	**1,317**	**1,309**	**1,245**	**1,143**	**794**	**502**	**516**	**505**	**517**	**789**	**808**	
2017	-35%	-40%	-43%	-48%	-45%	-11%	66%	58%	17%	6%	-28%	-37%	
Tunnel	147	145	147	148	147	147	143	140	137	136	136	134	
Well # 2A	214	274	0	0	0	50	50	50	107	107	0	0	**Pump Pulled 11-17**
Well # 3A	330	330	345	295	301	280	180	143	115	115	115	115	
Well # 4A	370	333	333	253	253	200	200	144	115	130	154	184	
Well # 5	353	372	372	355	353	353	280	257	238	244	258	275	
Well # 8	333	361	367	358	350	342	310	278	256	266	288	308	
TOTAL G	**1,747**	**1,815**	**1,564**	**1,409**	**1,404**	**1,372**	**1,163**	**1,012**	**968**	**998**	**951**	**1,016**	
2016													
Tunnel	184	182	177	176	170	168	165	162	159	157	154	150	
Well # 2A	381	500	559	534	468	213	44	38	38	45	111	167	
Well # 3A	537	646	530	635	610	225	28	31	90	114	183	286	
Well # 4A	659	729	556	478	439	193	94	52	132	157	267	333	
Well # 5	461	468	463	471	438	381	120	163	192	218	305	353	
Well # 8	458	476	438	433	444	365	248	194	217	254	297	326	
TOTAL G	**2,680**	**3,001**	**2,723**	**2,727**	**2,569**	**1,545**	**699**	**640**	**828**	**945**	**1,317**	**1,615**	
2015													
Tunnel	256	253	248	203	203	214	210	204	201	196	193	189	
Well # 2A	0	749	625	573	533	537	524	491	418	417	439	479	
Well # 3A	693	680	678	705	652	641	631	613	591	586	594	583	
Well # 4A	883	905	818	759	881	697	697	639	625	625	625	875	
Well # 5	551	551	547	537	513	497	488	471	451	452	459	460	
Well # 8	463	454	465	460	444	467	467	333	361	361	333	405	
TOTAL G	**2,846**	**3,592**	**3,381**	**3,237**	**3,226**	**3,053**	**3,017**	**2,751**	**2,647**	**2,637**	**2,643**	**2,991**	

SHEEP CREEK WATER COMPANY

WELL #2A Monthly Water Levels / 2 years



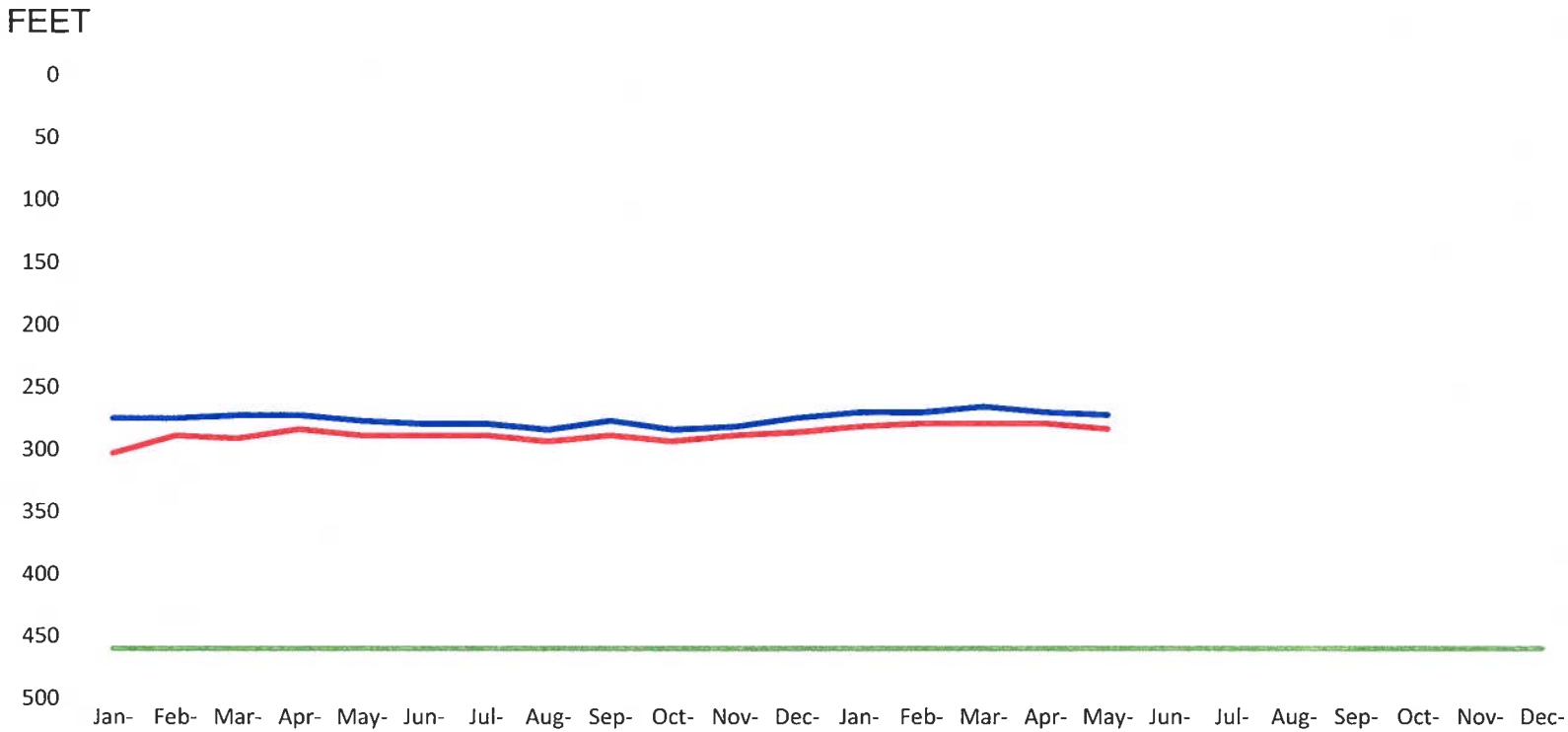
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
WELL 2A S	269	269	265	262	267	269	267	281	274	281	276	269	267	269	260	265	267							
WELL 2A P	279	279	279	274	279	279	281	286	292	292	292	286	279	276	276	276	288							
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

2020 / 2021

WELL 2A S WELL 2A P PUMP DEPTH

SHEEP CREEK WATER COMPANY

WELL #3A Monthly Water Levels / 2 years



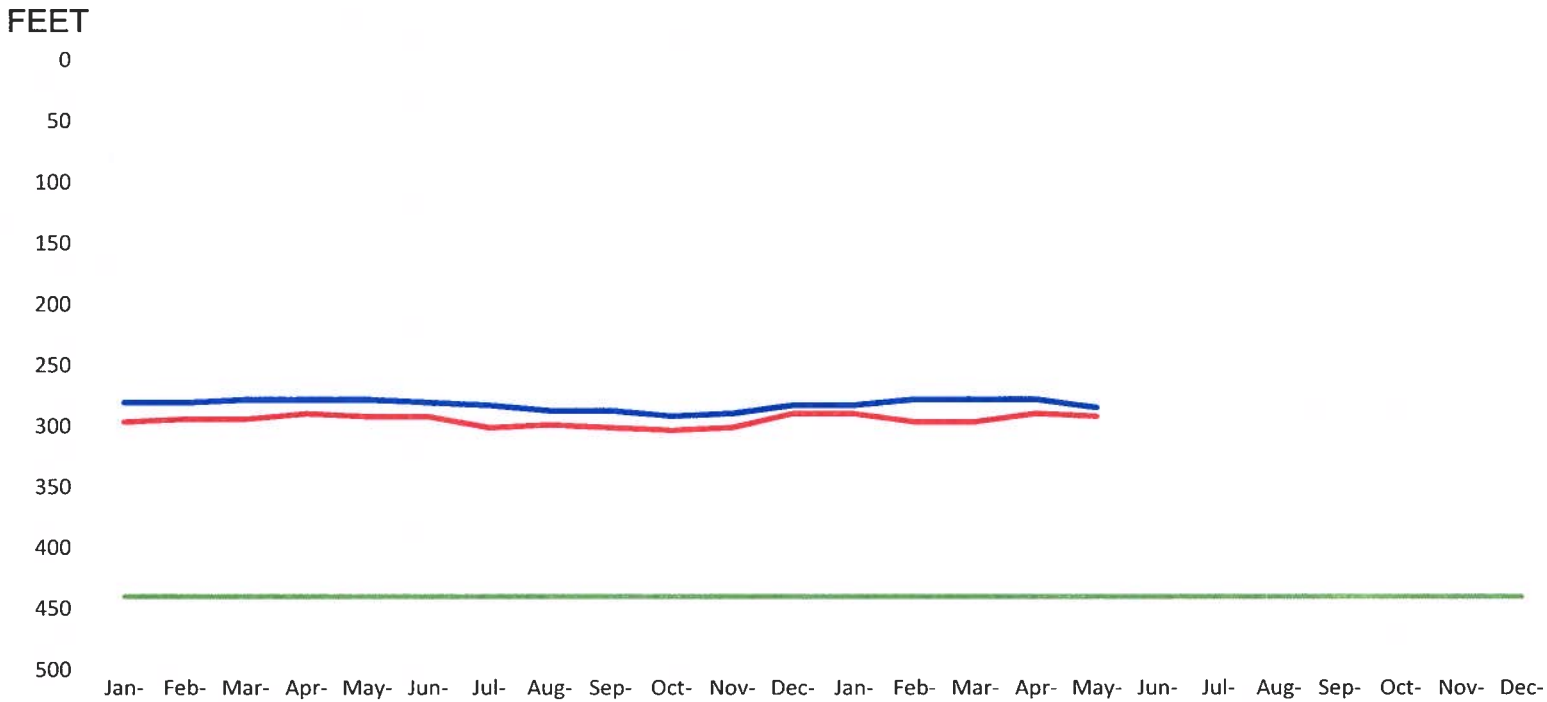
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
WELL # 3A S	275	275	273	273	278	280	280	284	278	284	282	275	271	271	266	271	273							
WELL # 3A P	303	289	291	284	289	289	289	294	289	294	289	287	282	280	280	280	284							
Pump Depth	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460	460

2020 / 2021

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

SHEEP CREEK WATER COMPANY

WELL #4A Monthly Water Levels / 2 years



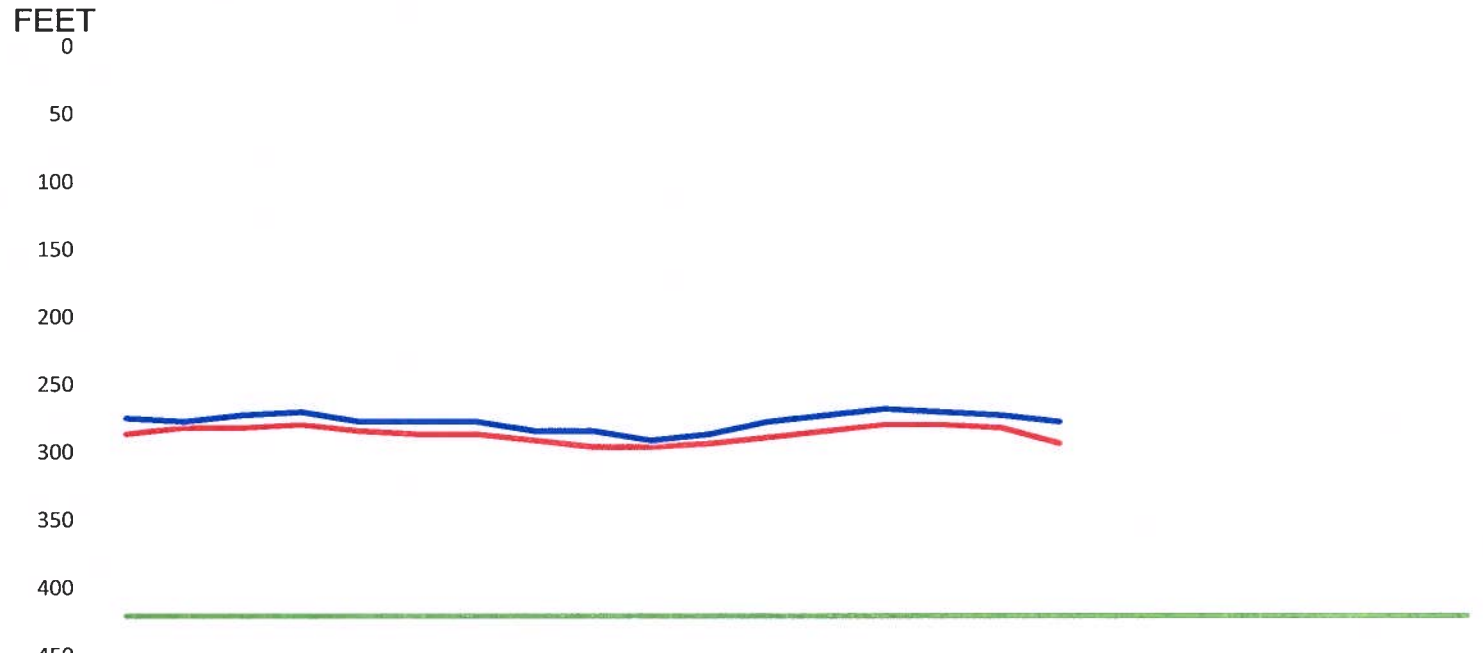
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
WELL # 4A S	281	281	278	278	278	281	283	288	288	292	290	283	283	278	278	278	285							
WELL # 4A P	297	294	294	290	292	292	301	299	301	304	301	290	290	297	297	290	292							
Pump Depth	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440

2020 / 20201

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

SHEEP CREEK WATER COMPANY

WELL #5 Monthly Water Levels / 2 years



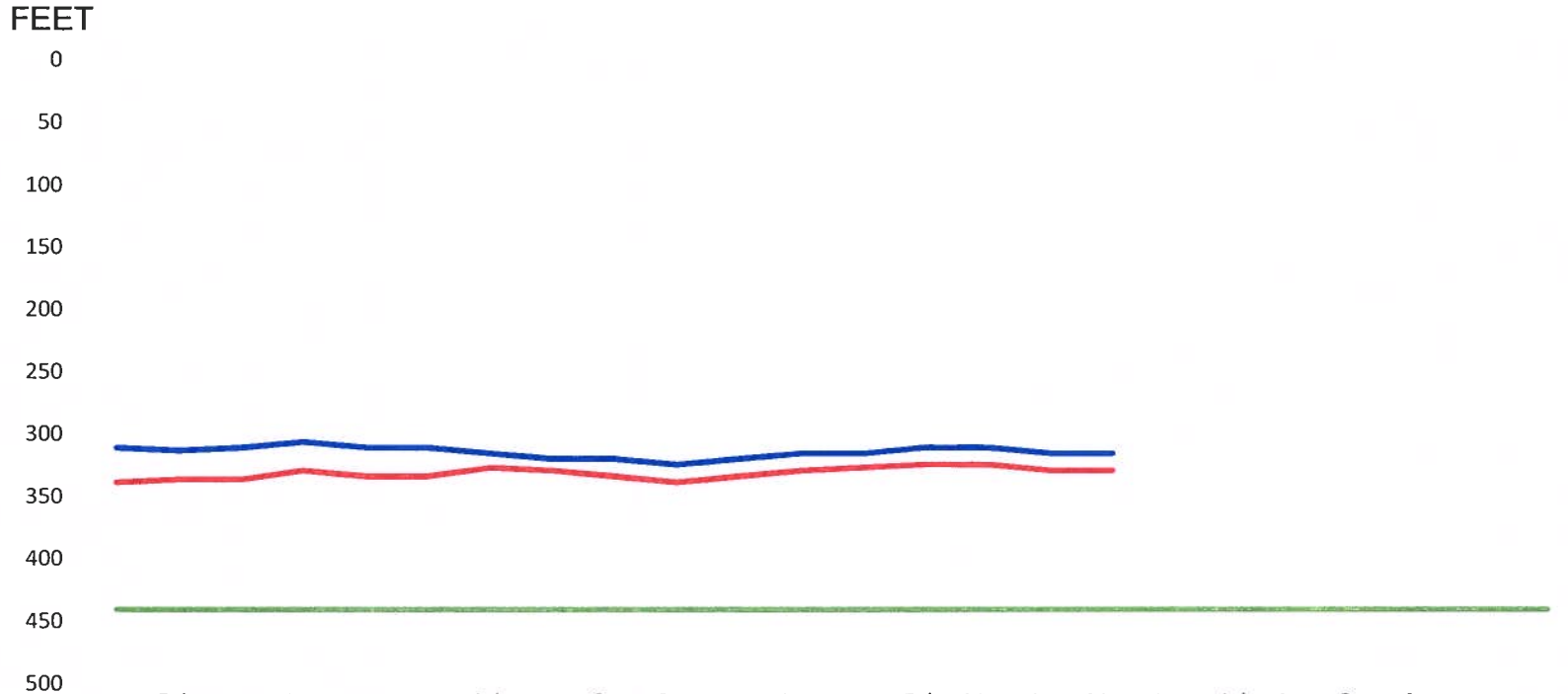
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
WELL # 5 S	274	277	272	270	277	277	277	284	284	291	286	277	272	268	270	272	277							
WELL # 5 P	286	281	281	279	284	286	286	291	295	295	293	288	284	279	279	281	293							
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

2020 / 2021

WELL # 5 S WELL # 5 P Pump Depth

SHEEP CREEK WATER COMPANY

WELL #8 Monthly Water Levels / 2 years



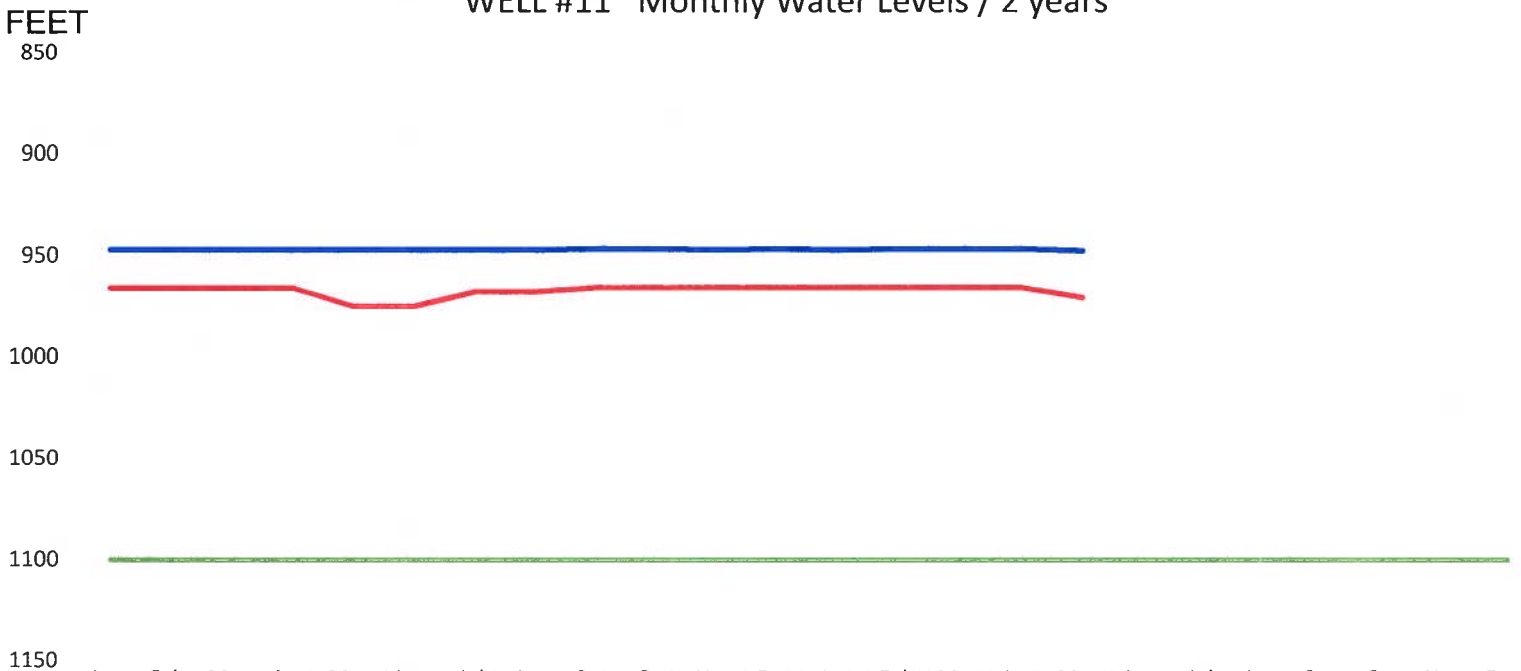
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
WELL # 8 S	311	313	311	306	311	311	315	320	320	325	320	315	315	311	311	315	315							
WELL # 8 P	338	336	336	329	334	334	327	329	334	338	334	329	327	325	325	329	329							
Pump Depth	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440	440

2020 / 2021

WELL # 8 S WELL # 8 P Pump Depth

SHEEP CREEK WATER COMPANY

WELL #11 Monthly Water Levels / 2 years



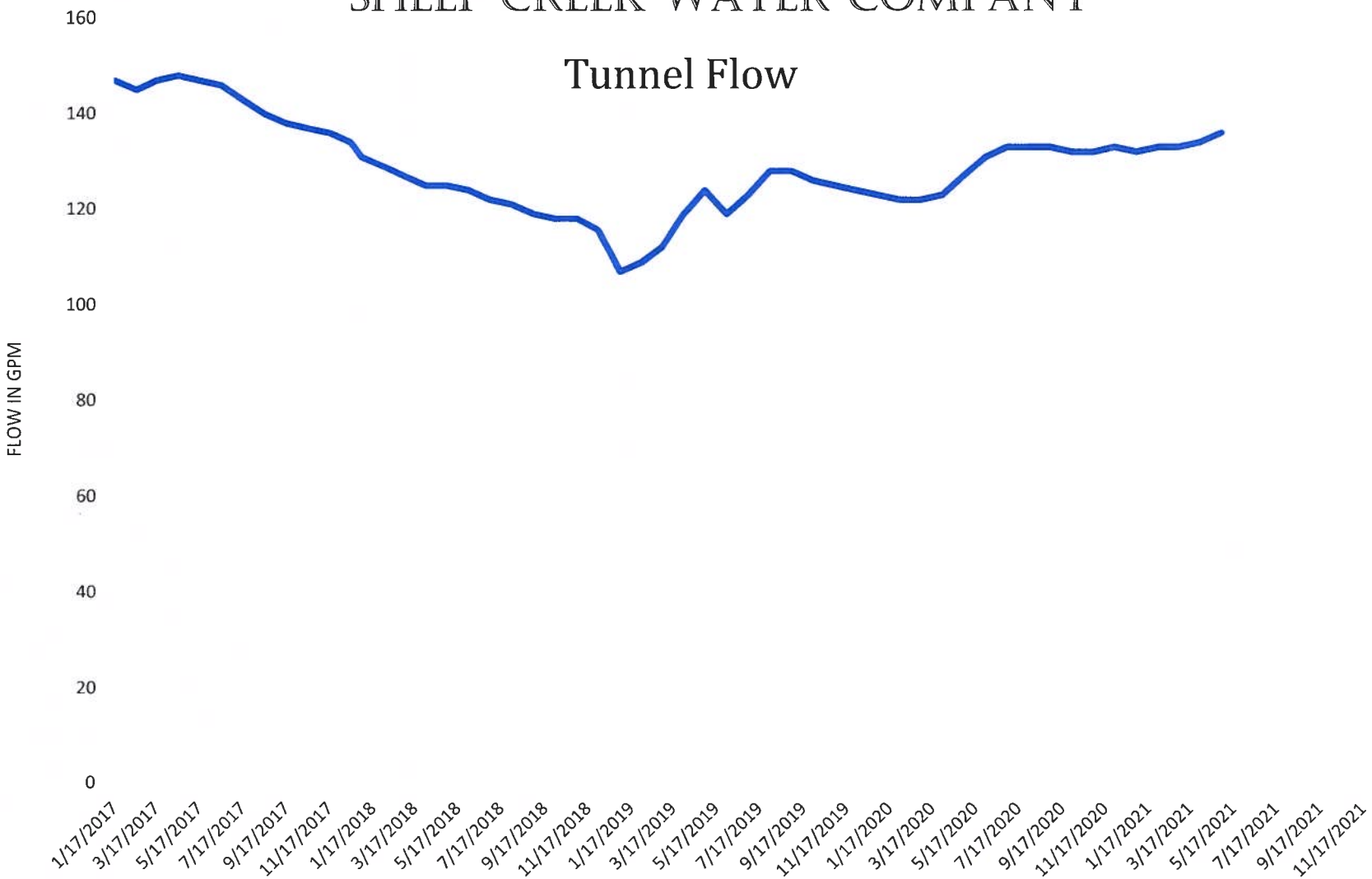
	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21
Well 11 S	948	948	948	948	948	948	948	948	947	947	948	947	948	947	947	947	948							
Well 11 P	966	966	966	966	975	975	968	968	966	966	966	966	966	966	966	966	971							
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

2020 / 2021

Well 11 S Well 11 P Pump Depth

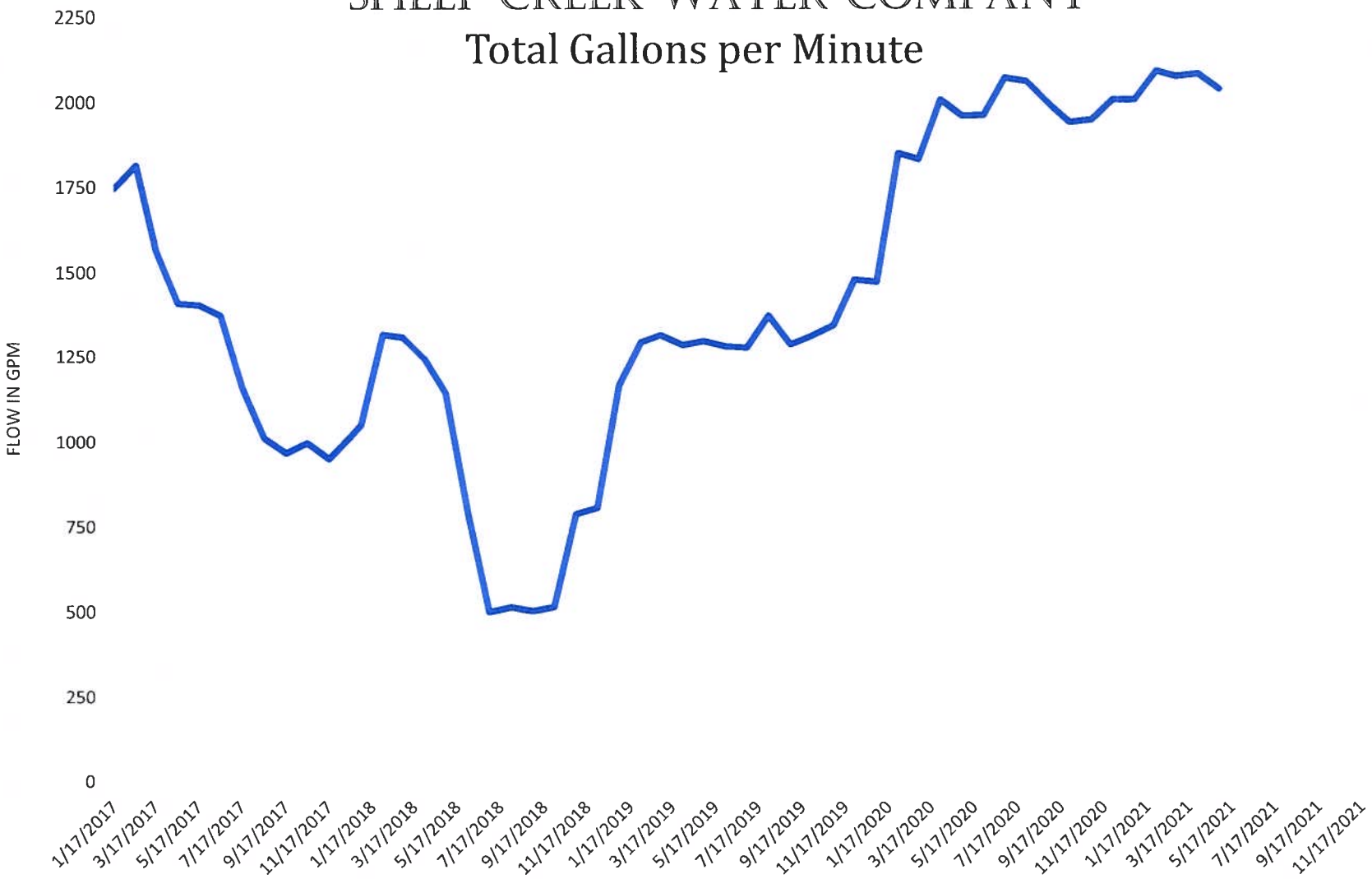
SHEEP CREEK WATER COMPANY

Tunnel Flow



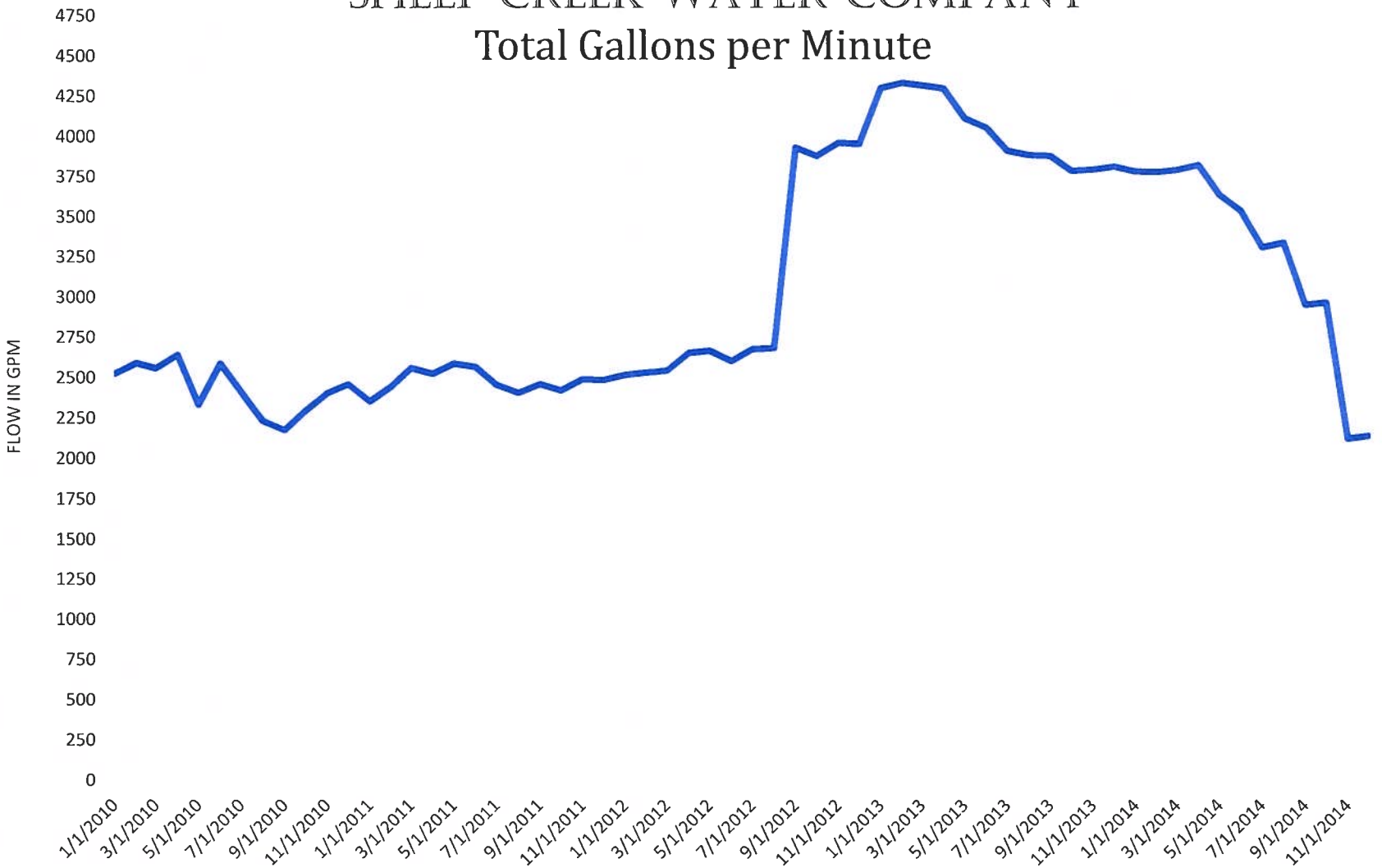
SHEEP CREEK WATER COMPANY

Total Gallons per Minute



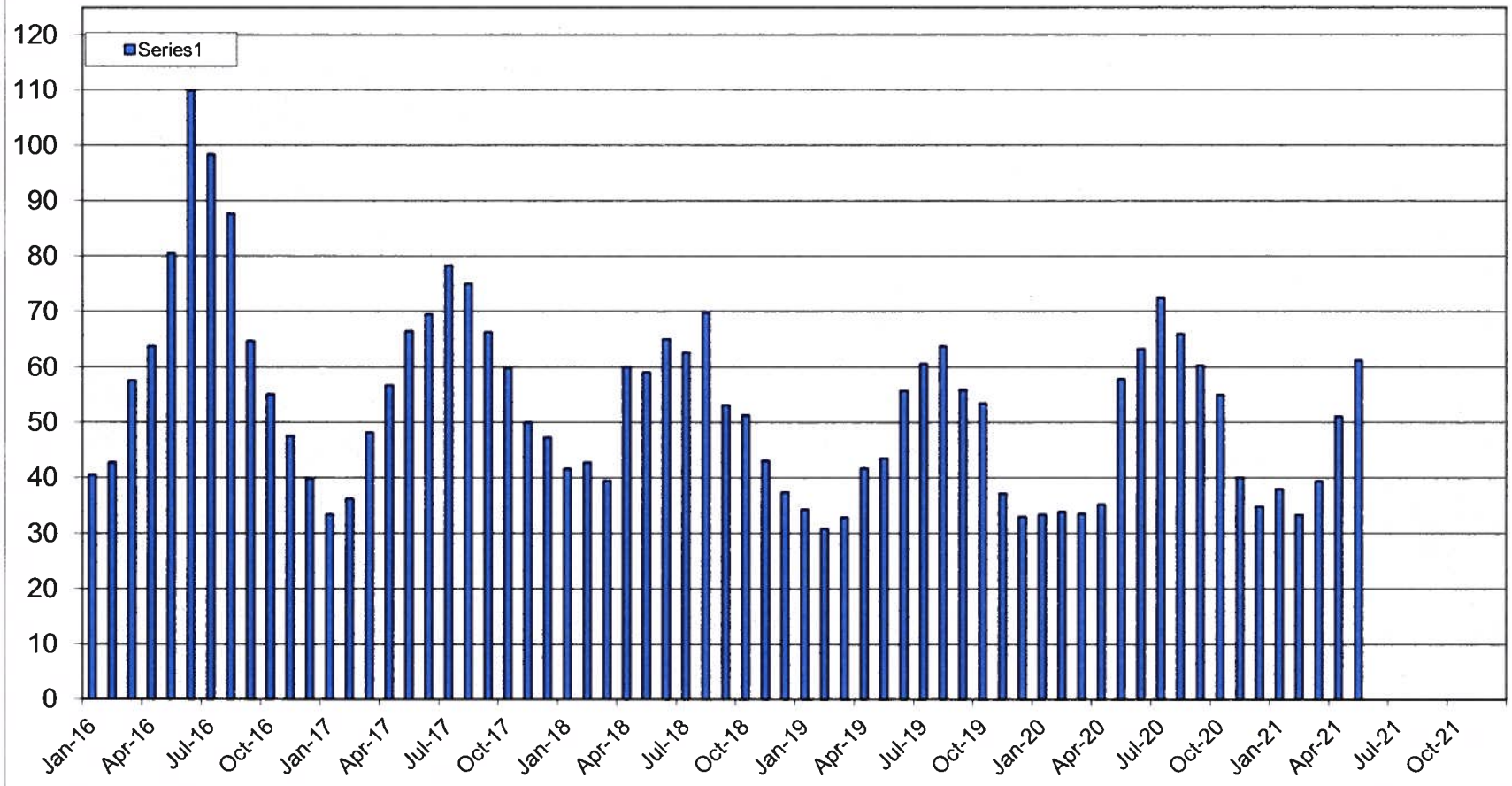
SHEEP CREEK WATER COMPANY

Total Gallons per Minute



SHEEP CREEK WATER COMPANY

WATER PRODUCTION ACRE FEET



2016- 2021