



# NOTICE

## OF REGULAR MEETING OF THE BOARD OF DIRECTORS OF ALLEGHANY COUNTY WATER DISTRICT

**Date: Tuesday April 12, 2022 Time: 6:00 pm**

**Location: Fire Station 2, 514 Miners Street, Alleghany**

**All meeting documents available online: [alleghanywater.org](http://alleghanywater.org)**

**Send an email to: [alleghanywater@gmail.com](mailto:alleghanywater@gmail.com) for meeting notices.**

This agenda has been prepared and posted at least 72 hours prior to the regular meeting of the Board of Directors in accordance with the Ralph M. Brown Act. Agenda items are numbered for identification purposes only and will not necessarily be considered in the indicated order. Details and supporting materials concerning agenda items are available for public reference in the box at the Post Office at the time of agenda posting or on the district's website: [alleghanywater.org](http://alleghanywater.org)

### 1. Call to Order & Establish a Quorum

### 2. Consent Calendar

- a) Approval of the agenda
- b) Reading and approval of the minutes for the regular meeting dated March 8, 2022
- c) Ratification of Treasury Report and bill payments for March 2022.

### 3. Information/Discussion Items:

- a) Correspondence – provided in writing
- b) SRF Projects Update –
- c) Board/Staff Reports – Chief Water Operator (CWO) & General Manager (GM)
- d) Historical Church/Library report –
- e) Park report –

### 4. Unfinished Business (Discussion & Possible Action Items):

- a) Customer Accounts/Billings/Disconnects: None issued in March due to pending payment plan agreements. Of the three delinquent accounts, two paid in full and one is on a payment plan.
- b) Ordinances, Policies & Procedures and Bylaws:
- c) Status of vacancy on the board
- d) Rate Study Written report provided ~ related item under new business
- e) Job Descriptions (we paid the attorney to review them but have not followed through with considering the recommendations)
- f) Salvation army vouchers: Customer must initiate the program. Phone # provided to customers.

### 5. New Business (Discussion & Possible Action Items):

- a) Approve raising Edward Snyder's hourly rate from \$13.00 per hour to \$14.00 per hour in compliance with State of California minimum wage laws, retroactive to January 1, 2022
- b) Authorize GM & Librarian to purchase a large electric heater for the Library using existing Library funds.
- c) Consider adoption of Resolution 116 to Start the Proposition 218 Process. To determine if the community will approve adopting the rate structure recommended by RCAC.

**6. Public Response Time:** The public may be heard before or during the consideration of any agenda item to be considered by the board, subject to reasonable time limitations for each speaker. Members of the public may address matters under the jurisdiction of the Board of Directors, and not on the posted agenda, provided that no action shall be taken by the board unless the matter is deemed urgent by a 2/3 vote. Per the district's bylaws, complaints about board members or district staff are to be submitted in writing (not to be aired at meetings).

### 7. Next meeting date, Items for next Agenda & Adjournment. Next meeting date: May 10, 2022 6:00 pm.

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**Regular Meeting of the Alleghany County Water District Board of Directors  
Tuesday March 8, 2022 Meeting was held over phone**

**1. Call to Order & Establish a Quorum** The meeting was called to order by President Mehrmann at 6:05 pm. Directors present: Tobyn Mehrmann, Nancy Finney, Robbin DeWeese and Coral Spencer. CWO Bruce Coons; GM Rae Bell, and Secretary Amber Mehrmann was present and took minutes. Public present: Vicky Tenney

**2. Consent Calendar:**

a.) Clarifications were made on January's treasurer report by Rae Bell. A motion was made to approve the minutes by Robbin DeWeese and Coral Spencer 2<sup>nd</sup> Ayes: **Tobyn Mehrmann, Nancy Finney, Robbin DeWeese and Coral Spencer** Nays: **0** Absent: **0** Abstain: **0**

**3. Information/Discussion Items**

a) **Correspondence:** Was in the G.M.'s report.

b) **SRF Projects Update:** Three attachments need to be completed and the Audit is still being worked on.

c) **Board/Staff Reports: *CWO and GM Report:***

CWO: Bruce reported that the total finished water produced in February was 102,850 gallons and the average raw water flow Gallons per Minute were 56 gallons.

- The pipes will need to be cleaned out this spring.
- The water is still off at the cemetery and the park.
- The water meter at the cemetery has been changed out
- Rae Bell and Eddie Snyder have been turning the pump on and off at the pump house manually every other day. Bruce and Eddie are hoping to be able to move the transducer over to the smaller tanks so they won't have to be manually turned on and off every day.

G.M.: Rae heard back from the contractor on our tank issues. They wanted to know our water quality and the type of chlorine we are using in our tanks. The hope is to have the tank up and running by fire season.

- The corrosion on the tank may have been caused by electrolysis.

d) **Historical Church/Library Report:** Rae Bell stated that the Porta Potty blew down the hill.  
- We received some money for the library and there was a discussion of fixing the Porta Potty and getting an electric heater.

e) **Park Report:** Still an issue with red ants at the park. Rae put down Diatomaceous Earth to get them to go away. She noticed that it was working.

**4. Unfinished Business**

a) **Customer Accounts/Billings/Disconnects:** Three customers were still over due on their accounts and were offered a payment plan option.

b) **There is still a position vacant on the board.**

c) **Ordinances:** Fire protection needs to be included in our mission statement. The words:- ‘And to provide water resources for fire suppression.’ will be added to the mission statement.

Coral Spencer made a motion to approve change and Robbin DeWeese 2<sup>nd</sup> **Ayes: Tobyn Mehrmann, Nancy Finney, Robbin DeWeese and Coral Spencer Nays: 0 Absent: 0 Abstain: 0**

d) **Rate:** There is nothing new to report.

e) **Job Descriptions:** There is nothing new to report.

## 5. New Business

a.) Adopt Resolution #115, the resolution last month was #114. This will only go on until the state of emergency is over, then the board must meet in person. The motion to adopt the resolution was made by Robbin DeWeese and Nancy Finney 2<sup>nd</sup> **Ayes: Tobyn Mehrmann, Nancy Finney, Robbin DeWeese and Coral Spencer Nays: 0 Absent: 0 Abstain: 0**

b) Adopt Resolution #116 to accept Salvation Army vouchers to assist customers that aren't able to pay their water bill. No resolution was prepared in time for the meeting.

- The customer and water board would have to fill out some paperwork.
- There is still some things to figure out, but would be helpful for customers who may be struggling with being able to pay their bill.
- Rae Bell will bring more information next meeting on the details of how this voucher will work.

Robbin DeWeese made a motion to accept Salvation army vouchers and Nancy Finney 2<sup>nd</sup> **Ayes: Tobyn Mehrmann, Nancy Finney, Robbin DeWeese and Coral Spencer Nays: 0 Absent: 0 Abstain: 0**

6. Public Response Time: None

## 7. Next meeting Date, Items for next Agenda and Adjournment

Next meeting will take place April 12, 2022 at 6:00 P.M. at Station 2  
There is still a Board Vacancy open to anyone who is registered to vote.

There being no further business before the Board, the meeting was adjourned at: 6:51 P.M.

Minutes respectfully submitted,

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Amber Mehrmann, Secretary

# Alleghany County Water District

Treasurer's Report

March 2022

## MAIN ACCOUNT

Beginning Balance \$ 17,368.48

### Deposits

Date	From:	For:	Amount
3/8	Customers	Water	\$ 1,989.23

Deposits Total \$ 1,989.23

### Expenditures

Ck #	Date	To:	For:	Amount
5697	3/3	Bruce Coons	WDO February Bill - Gross \$385.41	\$ 322.46
5698	3/3	Edda Snyder	Bookkeeper February Bill - Gross \$175	\$ 161.62
5699	3/3	Edward Snyder	WDA February Bill - Gross \$323.00	\$ 298.29
EFT	3/15	PG&E	Pumphouse	\$ 249.35
EFT	3/15	PG&E	Tank Site	\$ 13.49
5700	3/24	AT&T		\$ 83.55
5701	3/24	Cranmer Engineering	Water Tests	\$ 180.00
1129	3/28	Quill	Boxes	\$ 42.89
1130	3/28	Rae Bell reimburse	1/3 QuickBooks subscription \$166.67 + \$29.91 Office Supplies	\$ 196.58
1131	3/28	Amber Mehmman	Secretary February Bill	\$30.00

Expenditures Total \$ 1,578.23

RESERVE FUND WATER OPERATION	
Contingency Fund	\$ 14,500.00
Equip. Maint. Fund	\$ 1,000.00
<b>TOTAL</b>	<b>\$ 15,500.00</b>

Ending Main Account Balance \$ 17,779.48

Less Reserve Fund \$ (15,500.00)

Plus Undeposited Funds \$ 3,551.20

Available Funds \$ 5,830.68

## NON-ENTERPRISE ACCOUNT (Historical Church & Park)

Beginning Balance \$ 10,066.36

### Deposits

Date	From:	For:	Amount
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Deposits Total \$ -

### Expenditures

Ck #	Date	To:	For:	Amount
EFT	3/16	PG&E	Historical Church	\$ 10.54

Expenditures Total \$ 10.54

Report Prepared by Edda Snyder

Verified against Bank Statement

Ending Non-enterprise Account Balance \$ 10,055.82

x  
Print

Historical Church Balance	\$ 7,933.79
Park Balance	\$ 2,122.03
<b>Balance</b>	<b>\$ 10,055.82</b>

## **ACWD General Manager (GM) Report April 2022**

Prepared by Rae Bell Arbogast

- **WATER TANK PROBLEM**, As previously explained, we have a two-prong approach going to determine the cause of the leaky tank: The contractor is doing an investigation AND we put in a technical assistance (TA) request in with the State. The TA workplan was drafted in early February and is slowly winding its way through the levels of approval. I have asked multiple times if there is a way to speed it up, but to no avail.

On the other prong: The contractor BRCO, is working with the sub-contractor Thompson Tank and the tank manufacturer Columbia Tank, to investigate the problem. The tank manufacturer seems to be dragging their feet. After providing all water testing data requested, they asked for a NEW water quality panel. Both the contractor BRCO and our state inspector came to bat for us and said that the historical water quality data is sufficient. No new water quality panel should be required of ACWD.

In the meantime, BRCO has assured us that the tank will be back in service before fire season. Probably, after the investigation into the cause of the problem is completed, they will have to do a temporary repair job to get us through fire season. Figuring out the cause of the problem is only the first step, the next step will be determining who is going to pay for the replacement or repair of the tank and lining up the work. I continue to follow-up on a regular basis with all involved parties. We are expecting the TA workplan approval any day now.

- **PGE ENERGY AUDIT** Nothing new to report.
- **IIPP** – The district has a new injury & illness prevention plan as required by OSHA. State Fund our worker's comp. carrier has an online tool that makes it really easy to "build" a plan so I took advantage of it in March. The hard copy is at the pumphouse.
- **SRF Projects audit**: I learned from the chief auditor that the other team members are new and this is their first audit. This is causing it to take longer than usual. As of this writing, the audit is not finished, but the requests for information are minimal. On a related note: I purchased four plastic file boxes at a total cost of \$42.89 to store the SRF project files. The retention requirement for these files is 40 years. This will enable storing them with proper labelling for future staff members (generations!).
- **Annual 2021 Usage Report to State**: Completed and accepted by the State Water Board on April 5<sup>th</sup> with one correction. It only took 5 hours for me to complete the report this year, which is much less than last year. Part of the problem is that it bogs down my internet and each section takes forever to open. They made a lot of changes to the report last year but not this year. I was able to copy a lot of the answers from last year's report which sped it up.

### Correspondence

Incoming:

Outgoing: Form 700s to Sierra County Clerk-Recorder

**Ram Spring Improvement Project ~ State Revolving Fund (SRF) Project**  
**Report for ACWD BOD Meeting Date: 4/12/2022** Prepared by GM Rae Bell

Changes since last report are highlighted.

This project is related to the planning project approved for funding in 2015 and completed in 2020. The planning documents (plans and estimates) are approximately 90% complete. The remaining planning work will be the first phase of this project after the application process is completed.

There are four application packets that must be completed to apply for funding: General, Financial, Technical and Environmental.

- The General application packet with all attachments was submitted on 4/25/2020
- The Financial application packet with all attachments was submitted on 5/5/2020. Several attachments were recently updated and have been resubmitted-The updated budget figure is \$649,638. A copy of the updated estimate is included in this month's meeting packet.
- The Technical Packet is almost done. The three remaining attachments must be done by Kip. Kip and I are meeting with the Road Dept. on the 10<sup>th</sup> to discuss the project and make sure that we are aware of the exact location of a subdrain that was installed in the 1980s near the pumphouse.
- The Completed Environmental packet was reviewed by the State and was submitted in October 2021. There are still some environmental permits in the works. This is the final item being covered by the environmental portion of the Technical Assistance Request. ACWD was asked if they could cover environmental permit fees of approximately \$5,000 to be reimbursed once funding is approved. The environmental firm needs to apply for the permits to complete their contract with RCAC. I explained that ACWD did not feel comfortable paying for the permits until funding was awarded. The permit fees are now being added to the TA workplan (as of 3/29/2022)

Technical, Managerial and Financial (TMF) Analysis & Tune-up

- The Emergency Response Plan was finished as approved by the ACWD board in November 2020. The binder is at the pumphouse. Changes from October 2021 have been incorporated.
- The job descriptions were sent to the HR attorney for review and need to be finalized by the ACWD board.
- The Operations and Maintenance (O&M) manual is done. A hard copy is in a binder at the pumphouse and Bruce and Edward were given hard copies minus the indexes to review and to have at home.
- Rate Analysis: See separate report

Environmental and Technical Packets Technical Assistance Request

Is scheduled to be completed by the end of March 2022. Issue with permits as noted above is causing further delay.

We are VERY CLOSE to having the technical packet completed but Kip has been waylaid by the audit of two projects already funded (planning and tank construction).

**BUDGET: The estimate for the project was updated again and the new estimate is: \$745,000.**

**Disclaimer** "Funding for these projects has been provided in full or in part through an agreement with the State Water Resources Control Board. The contents of this document do not necessarily reflect the views and policies of the foregoing, nor does mention of trade names or commercial products constitute endorsement or recommendation for use."

## **Water Rate Analysis**

Prepared by Rae Bell for April 12, 2022 meeting date

The Rural Community Assistance Corporation (RCAC) conducted a financial analysis & rate study that was completed in October of 2021. The State Water Board Division of Finance (DFA) funded the analysis. Copies of the rate study were distributed last October. Additional copies have been placed at the Post Office. Attached is my analysis of the rate proposal, prepared in the most transparent fashion that I could come up with. This is not an endorsement.

### **Analysis of proposed rate structure.**

The proposed rate structure meets three key objectives: **1.** It brings the water rate structure into compliance with prop. 218 rules (State Law), mainly the rule that says all customers must be charged the same RATE PER GALLON unless it can be demonstrated that the cost of providing water to specific customers is different. **2.** It covers both short-term operating costs and provides for long-term capital replacement of infrastructure (equipment, pipelines etc.). **3.** It encourages water conservation. Currently (early April 2022) the Ram Spring is flowing lower than we have ever seen it at this time of the year. (Looks like late summer flow)

Additionally, the flat rate covers fixed costs that do not change regardless of water production amounts while the per gallon rate covers variable expenses that increase with increased water production. An example of a fixed cost is the district's annual insurance premium (approx. \$5,000 per year), an example of a variable cost is electricity to run the pumps.

All costs are expected to increase over time, due to inflation. The proposed rate structure includes a five-year gradual rate increase to avoid the need for a larger lump sum rate increase at a future date.

A chart of the average monthly water use of all ACWD customers for the year 2021 is attached at the end of this document. Here are a few statistics:

There were 54 Active accounts in 2021 (we are down to 53 as of this writing)

12-month average use tally:

- No water = 6 customers
- 1 to 999 gallons per month = 19 customers
- 1,000 to 3,000 gallons per month = 13 customers
- 3,001 to 5,000 gallons per month = 5 customers
- 5,001 to 8,000 gallons per month = 6 customers
- 8,001 to 10,000 gallons per month = 2 customers
- Over 10,000 gallons per month = 3 customers

Of note is the fact that 10 customers had a bad leak one month that pushed them into a higher water use category. (This was the case with two out of the six highest water users)

## **Examples of what water bills would look like under the proposed rate structure:**

We are not comparing “apples to apples” because the current and proposed rate structures are different. Water use is the main factor that influences the amount of the rate change and it varies greatly: higher water use means a higher percentage of rate change.

Looking at **a low water use customer**, this one had average monthly use of 700 gallons. **This is the largest category of customers based on 2021 usage data.**

### **Year 1**

7 mos @ 200 gallons = \$39.60 per month

1 mos @ 600 gallons = \$40.80

1 mos @ 1,000 gallons = \$42.00

3 mos @ 2,000 gallons = \$45.00 per month

Average monthly water cost for the year = \$41.25 Approximately a 3% increase over the current rates.

### **Year 2**

7 mos @ 200 gallons = \$40.77 per month

1 mos @ 600 gallons = \$41.97

1 mos @ 1,000 gallons = \$43.17

3 mos @ 2,000 gallons = \$46.17

Average monthly water cost for the year = \$42.42

### **Year 3**

7 mos @ 200 gallons = \$41.98 per month

1 mos @ 600 gallons = \$43.18

1 mos @ 1,000 gallons = \$44.38

3 mos @ 2,000 gallons = \$47.38

Average monthly water cost for the year = \$43.63

### **Year 4**

7 mos @ 200 gallons = \$43.22 per month

1 mos @ 600 gallons = \$44.42

1 mos @ 1,000 gallons = \$45.62

3 mos @ 2,000 gallons = \$48.62

Average monthly water cost for the year = \$44.87

### **Year 5**

7 mos @ 200 gallons = \$44.49 per month

1 mos @ 600 gallons = \$45.69

1 mos @ 1,000 gallons = \$46.89

3 mos @ 2,000 gallons = \$49.89

Average monthly water cost for the year = \$46.14



**Average mid-range use customer** monthly average 2,460 gallons. This is the second largest category of customers based on 2021 usage data.

**Year 1**

5 mos @ 1,000 gallons = \$42.00 per month

2 mos @ 2,000 gallons = \$45.00 per month

2 mos @ 3,000 gallons = \$48.00 per month

3 mos @ 4,000 gallons = \$51.00 per month

Average monthly water cost for the year = \$45.75 approx. 13% higher than the current rate

**Year 2**

5 mos @ 1,000 gallons = \$43.17 per month

2 mos @ 2,000 gallons = \$46.17 per month

2 mos @ 3,000 gallons = \$49.17 per month

3 mos @ 4,000 gallons = \$52.17 per month

Average monthly water cost for the year = \$46.92

**Year 3**

5 mos @ 1,000 gallons = \$44.38 per month

2 mos @ 2,000 gallons = \$47.38 per month

2 mos @ 3,000 gallons = \$50.38 per month

3 mos @ 4,000 gallons = \$53.35 per month

Average monthly water cost for the year = \$48.13

**Year 4**

5 mos @ 1,000 gallons = \$45.62

2 mos @ 2,000 gallons = \$48.62 per month

2 mos @ 3,000 gallons = \$51.62 per month

3 mos @ 4,000 gallons = \$54.62 per month

Average monthly water cost for the year = \$49.37

**Year 5**

5 mos @ 1,000 gallons = \$46.89

2 mos @ 2,000 gallons = \$49.89 per month

2 mos @ 3,000 gallons = \$52.89 per month

3 mos @ 4,000 gallons = \$55.89 per month

Average monthly water cost for the year = \$50.64

**High range water user** Average monthly use 5,191 gallons. 10 customers used this amount or more in 2021 but 6 of those had one month with a leak.

**Year 1**

4 mos @2,000 gallons = \$45.00 per month

1 mos @ 3,000 gallons = \$48.00

2 mos @ 4,000 gallons = \$51.00 per month

1 mos @ 6,000 gallons = \$57.00

1 mos @ 7,000 gallons = \$60.00

2 mos @ 9,000 gallons = \$66.00 per month

1 mos @ 13,000 gallons = \$78.00 (for 13,000 gallons add \$9.00 to 10,000 gallon rate)

Average monthly water cost for the year = \$54.75 Approximately 27% higher than the current rate, (actually a little less because the analysis gets more complicated with months of over 8,000 gallons of water use).

**Year 2**

4 mos @2,000 gallons = \$46.17 per month

1 mos @ 3,000 gallons = \$49.17

2 mos @ 4,000 gallons = \$52.17 per month

1 mos @ 6,000 gallons = \$58.17

1 mos @ 7,000 gallons = \$61.17

2 mos @ 9,000 gallons = \$67.17 per month

1 mos @ 13,000 gallons = \$79.17

Average monthly water cost for the year = \$ 55.92

**Year 3**

4 mos @2,000 gallons = \$47.38 per month

1 mos @ 3,000 gallons = \$50.38

2 mos @ 4,000 gallons = \$53.38 per month

1 mos @ 6,000 gallons = \$59.38

1 mos @ 7,000 gallons = \$62.38

2 mos @ 9,000 gallons = \$68.38 per month

1 mos @ 13,000 gallons = \$80.38

Average monthly = \$57.13

**Year 4**

4 mos @2,000 gallons = \$48.62 per month

1 mos @ 3,000 gallons = \$51.62

2 mos @ 4,000 gallons = \$54.62 per month

1 mos @ 6,000 gallons = \$60.62

1 mos @ 7,000 gallons = \$63.62

2 mos @ 9,000 gallons = \$69.62 per month

1 mos @ 13,000 gallons = \$81.62 Average monthly = \$58.37

**Year 5**

4 mos @2,000 gallons = \$49.89 per month

1 mos @ 3,000 gallons = \$52.89

2 mos @ 4,000 gallons = \$55.89 per month

1 mos @ 6,000 gallons = \$61.89

1 mos @ 7,000 gallons = \$64.89

2 mos @ 9,000 gallons = \$70.89 per month 1 mos @ 13,000 gallons = \$82.89 Average monthly = \$59.64

2021 twelve month av. use by customer

2021 monthly average use			
-	vacant		
-	vacant		
-	vacant		
-	vacant		
-	vacant		
-	vacant		
10	seasonal		
10	seasonal		
18	seasonal		
18	seasonal		
44	seasonal		
79	seasonal		
107	seasonal		
124			
436			
438			
498			
503			
532			
573			
627			
628			
633			
700			
721			
1,083			
1,779	Bad leak one month		
1,873			
1,919	Normal use more in summer		
2,204	Normal use more in summer		
2,205	Normal use more in summer		
2,229	Bad leak one month		
2,441	Normal use more in summer		
2,460	Normal use more in summer		
2,539	Bad leak one month		
2,767	Normal use more in summer		
2,938	Normal use more in summer		
2,965	Normal use more in summer		
3,604	Bad leak one month		
3,717	Normal use more in summer		
4,628	Normal use more in summer		
4,919	Normal use more in summer		
4,992	Bad leak one month		
5,175	Normal use more in summer		
5,191	Normal use more in summer		
5,664	Leak one month		
6,567	Bad leak one month		
6,758	Bad leak one month		
7,842	Waters heavily in the summer		
9,108	Waters heavily in the summer		
9,908	Had a leak one month		
10,321	Waters heavily in the summer		
16,973	Bad leak one month		
17,198	Waters heavily in the summer		
158,665	TOTAL		
<b>2,938</b>	<b>AVERAGE</b>		

CRWA Rate Proposal Examples

Flat Rate year 1	gallons	gallon cost	total bill		Flate Rate Year 2	gallons	gallon cost	total bill		Flate Rate Year 3	gallons	gallon cost	total bill
\$ 39.00	200	\$ 0.60	\$ 39.60		\$ 40.17	200	\$ 0.60	\$ 40.77		\$ 41.38	200	\$ 0.60	\$ 41.98
\$ 39.00	600	\$ 1.80	\$ 40.80		\$ 40.17	600	\$ 1.80	\$ 41.97		\$ 41.38	600	\$ 1.80	\$ 43.18
\$ 39.00	1,000	\$ 3.00	\$ 42.00		\$ 40.17	1,000	\$ 3.00	\$ 43.17		\$ 41.38	1,000	\$ 3.00	\$ 44.38
\$ 39.00	2,000	\$ 6.00	\$ 45.00		\$ 40.17	2,000	\$ 6.00	\$ 46.17		\$ 41.38	2,000	\$ 6.00	\$ 47.38
\$ 39.00	3,000	\$ 9.00	\$ 48.00		\$ 40.17	3,000	\$ 9.00	\$ 49.17		\$ 41.38	3,000	\$ 9.00	\$ 50.38
\$ 39.00	4,000	\$ 12.00	\$ 51.00		\$ 40.17	4,000	\$ 12.00	\$ 52.17		\$ 41.38	4,000	\$ 12.00	\$ 53.38
\$ 39.00	5,000	\$ 15.00	\$ 54.00		\$ 40.17	5,000	\$ 15.00	\$ 55.17		\$ 41.38	5,000	\$ 15.00	\$ 56.38
\$ 39.00	6,000	\$ 18.00	\$ 57.00		\$ 40.17	6,000	\$ 18.00	\$ 58.17		\$ 41.38	6,000	\$ 18.00	\$ 59.38
\$ 39.00	7,000	\$ 21.00	\$ 60.00		\$ 40.17	7,000	\$ 21.00	\$ 61.17		\$ 41.38	7,000	\$ 21.00	\$ 62.38
\$ 39.00	8,000	\$ 24.00	\$ 63.00		\$ 40.17	8,000	\$ 24.00	\$ 64.17		\$ 41.38	8,000	\$ 24.00	\$ 65.38
\$ 39.00	9,000	\$ 27.00	\$ 66.00		\$ 40.17	9,000	\$ 27.00	\$ 67.17		\$ 41.38	9,000	\$ 27.00	\$ 68.38
\$ 39.00	10,000	\$ 30.00	\$ 69.00		\$ 40.17	10,000	\$ 30.00	\$ 70.17		\$ 41.38	10,000	\$ 30.00	\$ 71.38
Flate Rate Year 4	gallons	gallon cost	total bill		Flate Rate Year 5	gallons	gallon cost	total bill					
\$ 42.62	200	\$ 0.60	\$ 43.22		\$ 43.89	200	\$ 0.60	\$ 44.49					
\$ 42.62	600	\$ 1.80	\$ 44.42		\$ 43.89	600	\$ 1.80	\$ 45.69					
\$ 42.62	1,000	\$ 3.00	\$ 45.62		\$ 43.89	1,000	\$ 3.00	\$ 46.89					
\$ 42.62	2,000	\$ 6.00	\$ 48.62		\$ 43.89	2,000	\$ 6.00	\$ 49.89					
\$ 42.62	3,000	\$ 9.00	\$ 51.62		\$ 43.89	3,000	\$ 9.00	\$ 52.89					
\$ 42.62	4,000	\$ 12.00	\$ 54.62		\$ 43.89	4,000	\$ 12.00	\$ 55.89					
\$ 42.62	5,000	\$ 15.00	\$ 57.62		\$ 43.89	5,000	\$ 15.00	\$ 58.89					
\$ 42.62	6,000	\$ 18.00	\$ 60.62		\$ 43.89	6,000	\$ 18.00	\$ 61.89					
\$ 42.62	7,000	\$ 21.00	\$ 63.62		\$ 43.89	7,000	\$ 21.00	\$ 64.89					
\$ 42.62	8,000	\$ 24.00	\$ 66.62		\$ 43.89	8,000	\$ 24.00	\$ 67.89					
\$ 42.62	9,000	\$ 27.00	\$ 69.62		\$ 43.89	9,000	\$ 27.00	\$ 70.89					
\$ 42.62	10,000	\$ 30.00	\$ 72.62		\$ 43.89	10,000	\$ 30.00	\$ 73.89					