

ST. CHARLES PARISH



WATER BILL AUDIT

**REVISED
AUGUST 14, 2023**

ASCE Project No. 012-012-01



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Table of Contents

| | | |
|-----|--|----|
| 1 | Introduction | 1 |
| 1.1 | Project History | 1 |
| 1.2 | Purpose of Project..... | 1 |
| 1.3 | Project Scope..... | 2 |
| 2 | Random Customer Pools..... | 3 |
| 2.1 | General | 3 |
| 2.2 | Randomization Process | 3 |
| 2.3 | Demographics of Selection | 4 |
| 3 | Customer Consumption Comparison..... | 5 |
| 4 | AMI Customer Consumption Comparison | 6 |
| 5 | City of Kenner Consumption Comparison..... | 8 |
| 6 | Seasonal Consumption Comparison | 9 |
| 7 | User Rates..... | 10 |
| 7.1 | Water Rates | 10 |
| 7.2 | Sewer Rates..... | 10 |
| 8 | Summary of Results | 12 |
| 9 | Conclusion..... | 13 |
| | Appendix A..... | A |
| | Appendix B..... | B |
| | Appendix C..... | C |

1 Introduction

1.1 Project History

St. Charles Parish is in the process of changing their water meters from the manually read meters and Automated Meter Reading (AMR) meters to Automated Meter Infrastructure (AMI) meters. The AMR meters are also called drive-by meters because an employee drives near the meter and the meter sends the reading to the vehicle. AMI meters are known as fixed-based meters because the meter can send readings to the billing office via an antenna network. Both AMR and AMI meters can be checked manually to verify the readings being received are accurate. St. Charles Parish plans to replace all manual-read meters, and eventually the AMR meters, with AMI meters to minimize the number of meter readers to those needed to manually read meters that did not send readings to the office.

1.2 Purpose of Project

In Spring 2023 St. Charles Parish replaced 6,109 3/4-inch meters and 395 1-inch meters with AMI meters, with an additional 3,656 3/4-inch meters and 263 1-inch meters earmarked for replacement in Spring 2024. In July 2023 several utility customers contacted the billing department complaining about significantly higher utility bills. Due to the recent meter replacement program, many customers blamed the new meters.

This increase could be caused by several factors including, but not limited to, billing rate increases, consumption increase due to weather, leaks, and increased accuracy due to meter replacements. Increases in consumption also affect the sewer billings, thus causing a two-fold increase in the bill.

The billing department in conjunction with the water department investigated each of these complaints to determine if leaks were present. If a leak was found at or before the meter, the Parish corrected the issue. If water was flowing through the meter even when no water was being used at the property, the customer was notified they had a leak that needed to be repaired. Although some leaks were found, some locations did not have an obvious reason for the high bills.

Due to the large number of complaints, St. Charles Parish felt it was prudent to hire a third-party to review the billing process to determine the causes of the higher than usual utility bills and to which degree each cause played. All South Consulting Engineers, LLC (All South) was hired to provide this third-party review.

1.3 Project Scope

The detailed scope of work includes the following:

1. Meet with the billing department to determine the random customer pools and billing data needed to complete Numbers 2 through 7 below.
2. Compare the consumptions of customers with manual-read meters, AMR, and AMI meters to determine if they differ significantly. This comparison will be done within the customer classifications (residential, commercial, and industrial).
3. Compare the consumptions of customers with recently installed AMI meters to last year's consumptions for the same months to determine if they differ significantly.
4. Compare the consumptions for recent months for all customer classifications with those of the City of Kenner. This calculation will use the same customer pool as Number 1 above.
5. Calculate the average consumption for summer months (May through September) and winter months (October through April) for the last 12 months. This calculation will use the same customer pool as Number 1 above.
6. Determine the billing increase/decrease caused by
 - a. Summer versus winter average consumption using 2023 billing rates for both water and sewer bills,
 - b. Billing rate increases that became effective in January 2023 for both water and sewer bills,
 - c. Reading accuracy of the recently installed AMI meters, and
 - d. 28-day billing cycle versus 35-day billing cycle.
7. Complete a report summarizing the results of the above-mentioned analyses prior to August 14, 2023. An electronic version will be provided to St. Charles Parish. Hard copies can be provided upon request.
8. Attend the August 14, 2023, council meeting to present our findings.

2 Random Customer Pools

2.1 General

St. Charles Parish has approximately 22,000 customers which are divided into eight billing cycles based upon location. Most of the billing cycles have a mixture of the three types of meters. In addition, there are three classifications of customers (residential, commercial, and industrial) and three meter classifications (main, irrigation, and fire hydrant). It is not feasible to evaluate all 22,000 customers; therefore, it was determined that five accounts would be analyzed from each cycle for each meter type for a sample size of 120 accounts in total.

St. Charles Parish provided a list of accounts for manual-read meters and a second list for the AMR and AMI meters. Once All South received these files, the following processes were followed to ensure the accounts analyzed were random.

2.2 Randomization Process

For the manual-read meters, the following process was used.

1. The list provided was sorted by meter usage (water vs. irrigation) and the irrigation meters were eliminated.
2. The remaining meters were sorted by meter size and the 3/4-inch meters were isolated. (Some cycles did not have ten 3/4-inch meters, so the other sizes were used as well.)
3. A large portion of the accounts are vacant and therefore eliminated from the sample set.
4. Excel was then used to choose ten random accounts of those remaining.
 - a. Some cycles had less than 10 active accounts, so all were chosen no matter the size meter.

For the AMR/AMI meters, the following process was used.

1. The list provided was sorted by meter usage (water vs. irrigation) and the irrigation meters were eliminated.
2. The remaining meters were sorted by meter size and the 3/4-inch meters were isolated.
3. The remaining meters were sorted by meter type (AMR-Radio vs AMI-Allegro).
4. Excel was then used to choose ten random accounts of those remaining.
 - a. Some cycles had less than 10 active accounts, so all were chosen no matter the size meter.

The above process was used for all 8 billing cycles.

St. Charles Parish was sent the approximately 120 chosen accounts for them to pull their bills for June 2022 and June 2023. Once All South received the bills, the information was compiled in excel and evaluated for usability in this audit. Some accounts could not be used because

1. They were closed prior to June 2022,
2. They were not active for one of the months used for this audit,
3. One or both months used for this audit had less than 1000 gallons consumed, and
4. They were hydrant meters.

The above process was applied again to the cycles that did not have five remaining accounts once their usability was determined.

2.3 Demographics of Selection

Appendix A has the raw data for the random accounts used throughout this report.

Accounts by Type

| | Manual | AMR (Drive-By) | AMI (Fixed-Based) | Total |
|--------------------|--------|-------------------|----------------------|------------|
| Residential | 30 | 39 | 40 | 109 |
| Commercial | 1 | 1 | 0 | 2 |
| Industrial | 7 | 0 | 0 | 7 |
| Total | 38 | 40 | 40 | 118 |

3 Customer Consumption Comparison

Below are tables of average water consumption for June 2022 and June 2023 separated by customer classification and water meter type. These two months were chosen for comparison purposes because June 2023 was the month for which complaints were received and happened to be a 35-day billing period, same as June 2022. Billing periods can range from 28 days to 35 days, thus the longer the period the higher the consumption and bill.

In June 2022, the manual and AMI meter average residential consumptions were similar with the AMR meters slightly lower. The similarities between the AMI and manual meters could be due to 15 of the 40 AMI meters having been changed from manual to AMI between the two comparison months.

Average Water Consumption (June 2022)

| | Manual (gallons) | AMR (Drive-By) (gallons) | AMI (Fixed-Based) (gallons) | Weighted Average Consumption |
|--------------------|-----------------------------|---|--|---|
| Residential | 6,400 | 5,623 | 6,528 | 6,169 |
| Commercial | 16,000 | 2,300 | - | 9,150 |
| Industrial | 5,049,286 | - | - | 5,049,286 |

Average Water Consumption (June 2023)

| | Manual (gallons) | AMR (Drive-By) (gallons) | AMI (Fixed-Based) (gallons) | Weighted Average Consumption |
|--------------------|-----------------------------|---|--|---|
| Residential | 5,317 | 5,256 | 6,293 | 5,653 |
| Commercial | 13,200 | 2,200 | - | 7,700 |
| Industrial | 4,796,100 | - | - | 4,796,100 |

Increase/Decrease from June 2022 to June 2023

| | Manual (gallons) | AMR (Drive-By) (gallons) | AMI (Fixed-Based) (gallons) | Weighted Average Consumption |
|--------------------|-----------------------------|---|--|---|
| Residential | -1,083 | -367 | -235 | -516 |
| Commercial | -2,800 | -100 | - | -1,450 |
| Industrial | -253,186 | - | - | -253,186 |

In June 2023, the manual and AMR meters' average residential consumptions were similar with the AMI average being 976 gallons higher. However, all average consumptions decreased from June 2022 to June 2023. This is a typical trend that occurs when rates increase, which occurred in January 2023.

The average daily consumption for residential customers for June 2022 was 176 gallons versus 162 gallons for June 2023. Thus, in June 2023 1,134 gallons could be attributed to it being a 35-day billing period in lieu of a 28-day billing period.

4 AMI Customer Consumption Comparison

Of the 40 AMI (Fixed-Based) customer accounts analyzed for this report, 15 had manual meters replaced with AMI meters between June 2022 and June 2023. They were all residential accounts.

Consumptions for Accounts with AMI Meter Replacements

| Account No. | | Manual Read June 2022 <i>(gallons)</i> | AMI June 2023 <i>(gallons)</i> | Difference <i>(gallons)</i> |
|-------------|---------------|--|--------------------------------------|--------------------------------|
| 1 | 9840002109004 | 4,500 | 4,400 | -100 |
| 2 | 286014400001 | 3,400 | 6,500 | 3,100 |
| 3 | 280000010001 | 2,100 | 2,400 | 300 |
| 4 | 432000684001 | 4,200 | 3,400 | -800 |
| 5 | 433000120001 | 2,200 | 2,900 | 700 |
| 6 | 9840002118690 | 3,000 | 3,600 | 600 |
| 7 | 443013300001 | 3,200 | 5,500 | 2,300 |
| 8 | 637005275001 | 11,100 | 10,000 | -1,100 |
| 9 | 651010300001 | 3,800 | 5,200 | 1,400 |
| 10 | 635002150003 | 4,100 | 4,500 | 400 |
| 11 | 9840002125392 | 4,900 | 5,200 | 300 |
| 12 | 751003450002 | 17,800 | 22,600 | 4,800 |
| 13 | 715000090001 | 3,300 | 4,300 | 1,000 |
| 14 | 9840002124475 | 3,900 | 3,600 | -300 |
| 15 | 9840002116391 | 2,000 | 4,900 | 2,900 |
| Average | | 4,900 | 5,933 | 1,033 |

Based on the random accounts shown above, the average residential bill increased by just over 1,000 gallons when the manual meters were replaced with AMI meters.

To determine which type of meter was inaccurate, St. Charles Parish removed some meters from the water system and tested for accuracy at low, intermediate, and high flows per the table below. At least one manual-read, AMR, and AMI meter was removed from each billing cycle area. No 3/4-inch or 1-inch manual-read meters existed in Cycles 3 and 5 and therefore were not represented in this test. The meters tested ranged in ages from 71 years old to a few months old.

Meter Accuracy Test Flows

| | Low Test Flow | Intermediate Test Flow | High Test Flow |
|-----------------------|------------------|---------------------------|-------------------|
| 3/4-Inch Meter | 0.25 GPM | 1 GPM | 15 GPM |
| 1-Inch Meter | 0.75 GPM | 3 GPM | 35 GPM |

**GPM = Gallons Per Minute*

The below table shows the results of the meter accuracy tests conducted by Fluid Meter Services. As can be seen, the manual-read meters were highly inaccurate at low flows and overall were up to 35% inaccurate. The AMR and AMI meters were up to 3.1% and 0.9% inaccurate, respectively. Therefore, the 1,033-gallon difference found above is from the increase in accuracy of the AMI meters versus the manual-read meters. **Appendix C** has individual results of each meter tested.

Results from Accuracy Testing

| | Manual | AMR (Drive-By) | AMI (Fixed-Based) |
|---|----------------------|---------------------------|------------------------------|
| Number Tested | 6 | 8 | 10 |
| Years of Install | 1952 - 2000 | 2010 - 2017 | 2018 - 2023 |
| Low Flow Accuracy Range | 0% - 74% | 93% - 99% | 100% - 101% |
| Intermediate Flow Accuracy Range | 74% - 99% | 97% - 101% | 100% - 101% |
| High Flow Accuracy Range | 89% - 99% | 98% - 101% | 97% - 101% |
| Average Accuracy Range | 65% - 95% | 96.9% - 100.7% | 99.6% - 100.9% |
| Accuracy | Up to 35% Inaccurate | Up to 3.1% Inaccurate | Up to 0.9% Inaccurate |

5 City of Kenner Consumption Comparison

St. Charles Parish requested the average consumption for each customer classification be compared to the City of Kenner (Kenner). The City of Kenner is provided water through Jefferson Parish. Kenner is near St. Charles Parish and has a similar demographic to the Parish. It also uses all manual read meters making it a good control group for the comparison. Jefferson Parish bills its customer bi-monthly and was able to provide the below data.

City of Kenner Residential Consumption

| | Gallons Billed | No. of Accounts | Average Consumption per Bill <i>(gallons)</i> |
|-----------------------------|-----------------------|------------------------|---|
| June & July 2022 | 234,542,000 | 20,649 | 5,679 |
| June & July 2023 | 221,551,000 | 20,693 | 5,353 |

The average residential consumption for St. Charles Parish is 5,653 gallons compared to the City of Kenner's 5,353 gallons for July 2023. This is additional confirmation that the meters in St. Charles Parish are reading within acceptable limits.

6 Seasonal Consumption Comparison

Customers began complaining about their utility bills in July 2023; however, rates increased in January. Therefore, St. Charles Parish wanted to determine the difference in consumption caused by seasonal temperatures. According to WeatherWX.com, the six months with the highest temperatures are from May to October and deemed “Summer”. The remaining six months, November through April, were deemed “Winter”.

St. Charles provided their Bill Registers for the last 12 months, which includes the total consumption, sales, and accounts for each customer classification. All South compiled that information into one spreadsheet that can be found as **Appendix B**.

Average Seasonal Consumption

| | Summer (May to Oct) <i>(gallons)</i> | Winter (Nov to Apr) <i>(gallons)</i> | Difference <i>(gallons)</i> |
|--------------------|--|--|---------------------------------------|
| Residential | 4,596 | 4,134 | 462 |
| Commercial | 18,878 | 16,097 | 2,781 |
| Industrial | 543,600 | 516,321 | 27,279 |

As can be seen below the seasonal consumptions for the last 12 months coincide with the annual monthly average since 2015. The fee for water usage has increased due to rates and is necessary to offset the increase in operations and maintenance.

Historical Average Monthly Consumption & Water Fee

| | Consumption <i>(gallons)</i> | Water Fee |
|--------------|--|------------------|
| 2010 | 5,175 | \$18.64 |
| 2011 | 5,443 | \$19.94 |
| 2012 | 4,936 | \$18.38 |
| 2013 | 4,750 | \$18.00 |
| 2014 | 4,630 | \$17.81 |
| 2015 | 4,602 | \$17.94 |
| 2016 | 4,457 | \$20.27 |
| 2017 | 4,468 | \$20.40 |
| 2018 | 4,451 | \$21.47 |
| 2019 | 4,394 | \$21.61 |
| 2020 | 4,506 | \$22.45 |
| *2021 | 4,235 | \$18.78 |

*Residential meters were not read between September and November. This average is from January to August and December.

7 User Rates

7.1 Water Rates

The St. Charles Parish water rate structure has a fixed minimum rate and three stepped, levels of water usage: 0 to 6,000 gallons, 6,001 gallons to 10,000 gallons, and 10,001 gallons and more. With each increased level, there is an increase in cost per 1,000 gallons. The minimum for residential irrigation meters is \$2.00 per month, \$10.00 per month for fire hydrant meters, and \$4.00 per month for all other customers.

Of the 118 bills analyzed as part of this report, 13 accounts had consumption increases between 2022 and 2023 which caused them to use a higher variable rate. For example, a customer may have used 5,400 gallons in 2022 at \$3.99 per 1,000 gallons. And in 2023 increased their consumption to 7,500 gallons, so they were charged \$4.32 per 1,000 gallons for the first 6,000 gallons and \$6.26 per 1,000 gallons for the remaining 1,500 gallons.

The rate ordinance in effect provided an annual increase on the variable rate based on the CPI beginning in 2019. The CPI increase for the 2023 rates was 8.2%. The increase for 2022 was 5.3%. However, the previous two years were 1.3 and 1.6%.

Water User Rates

| | 2022 | 2023 | Increase |
|---|---------|---------|----------|
| Minimum Rate for Water Meter | \$4.00 | \$4.00 | \$0.00 |
| Minimum Rate for Irrigation Meter | \$2.00 | \$2.00 | \$0.00 |
| Minimum Rate for Fire Hydrant Meter | \$10.00 | \$10.00 | \$0.00 |
| 0 to 6,000 Gallons (per 1,000 Gallons) | \$3.99 | \$4.32 | \$0.33 |
| 6,001 to 10,000 Gallons (per 1,000 Gallons) | \$5.79 | \$6.26 | \$0.47 |
| Above 10,000 Gallons (per 1,000 Gallons) | \$7.34 | \$7.94 | \$0.60 |

7.2 Sewer Rates

The sewer rates in St. Charles Parish are similar to the water rates in that there is a minimum rate and a variable rate based on the water usage. However, the variable rate does not “step up” with the amount of water consumed. The customer is charged a percentage of the sewer user fees ranging from 80% to 100%.

- 80% = residential user
- 90% = residential user with irrigation meter installed prior to January 31, 2014

- 95% = commercial user
- 100% = residential user with irrigation meter installed after January 31, 2014, or industrial user

The sewer variable rates have a CPI increase annually in January beginning in 2019. However, the minimum rate is also increased by 1% annually.

Sewer User Rates

| | 2022 | 2023 | Increase |
|--|--------|--------|----------|
| Minimum Rate | \$4.08 | \$4.12 | \$0.04 |
| 80% of Variable Rate (per 1,000 Gallons) | \$6.86 | \$7.42 | \$0.56 |
| 90% of Variable Rate (per 1,000 Gallons) | \$7.71 | \$8.34 | \$0.63 |
| 95% of Variable Rate (per 1,000 Gallons) | \$8.14 | \$8.81 | \$0.67 |
| 100% of Variable Rate (per 1,000 Gallons) | \$8.57 | \$9.27 | \$0.70 |

When combined, the water and sewer fee increase would have increased the utility bill for the average residential customer with no irrigation meter as shown below.

Average Residential Water and Sewer Bills

| | 2022 | 2023 | Difference |
|---|----------------|----------------|---------------|
| Water Minimum | \$4.00 | \$4.00 | \$0.00 |
| 0 to 6,000 Gallons (per 1,000 Gallons) | \$18.34 | \$19.85 | \$1.51 |
| Sewer Minimum | \$4.08 | \$4.12 | \$0.04 |
| 80% of Variable Rate (per 1,000 Gallons) | \$31.53 | \$34.10 | \$2.57 |
| Total | \$57.95 | \$62.07 | \$4.12 |

*Using June 2023 Consumption Average of 4,596

8 Summary of Results

In summary, this audit compared

1. Average consumptions of manual-read, drive-by, and fixed-based meters for June 2022 and 2023,
2. Consumptions of accounts that were changed from manual-read to fixed-based meters between June 2022 and June 2023,
3. Average consumptions of manual-read meters in the City of Kenner to all types of meters in St. Charles Parish for June 2023,
4. Summer and winter consumption averages for the last 12 months, and
5. Water and sewer user fees for 2022 and 2023.

The results of each consumption comparison can be found in the table below along with its monetary impact to the June 2023 billing cycle. The rates used are for a typical residential household that uses less than 6,000 gallons and does not have an irrigation meter.

Water Fee Increase Due to Consumption Differences

| | Consumption <i>(gallons)</i> | Water <i>(2022 Rates)</i> | Water <i>(2023 Rates)</i> | Difference |
|---|---------------------------------|------------------------------|------------------------------|---------------|
| Avg. Consumption Between 2022 and 2023 | -516 | -\$2.03 | -\$2.23 | -\$0.20 |
| Replaced with AMI (Fixed-Based) Meter | 1,033 | \$4.12 | \$4.46 | \$0.34 |
| Summer Month Increase | 462 | \$1.84 | \$2.00 | \$0.16 |
| 35-Day Cycle | 1,134 | \$4.52 | \$4.90 | \$0.38 |
| Total | 2,113 | \$8.45 | \$9.13 | \$0.68 |

Sewer Fee Increase Due to Consumption Differences

| | Consumption <i>(gallons)</i> | Sewer <i>(2022 Rates)</i> | Sewer <i>(2023 Rates)</i> | Difference in Sewer Fees |
|---|---------------------------------|------------------------------|------------------------------|--------------------------|
| Avg. Consumption Between 2022 and 2023 | -516 | -\$3.54 | -\$3.83 | -\$0.29 |
| Replaced with AMI (Fixed-Based) Meter | 1,033 | \$7.09 | \$7.66 | \$0.57 |
| Summer Month Increase | 462 | \$3.17 | \$3.43 | \$0.26 |
| 35-Day Cycle | 1,134 | \$7.78 | \$8.41 | \$0.63 |
| Total | 2,113 | \$14.50 | \$15.67 | \$1.17 |

9 Conclusion

Although the utility bill complaints began after the AMI meters were installed, their impact on the utility bill was less than half the reason the bills were higher than normal. The remaining half was caused by the length of the billing period being a 35-day period, June being a summer month, and the rate increase. The magnitude of the effects each had on the utility bill is shown in the table below.

Possible Utility Bill Increases for 2023

| | Water (2023 Rates) | Sewer (2023 Rates) | Subtotal | % of Possible Increase |
|---|-----------------------|-----------------------|----------------|---------------------------|
| Avg. Consumption Between 2022 and 2023 | -\$2.23 | -\$3.83 | -\$6.06 | -21.0% |
| Replaced with AMI (Fixed-Based) Meter | \$4.46 | \$7.66 | \$12.12 | 41.9% |
| Summer Month Increase | \$2.00 | \$3.43 | \$5.43 | 18.8% |
| 35-Day Cycle | \$4.90 | \$8.41 | \$13.31 | 46.0% |
| Rate Increase | \$1.51 | \$2.61 | \$4.12 | 14.3% |
| Total | \$10.64 | \$18.28 | \$28.92 | |

Very little can be done to reduce the effects of the season and billing period. The increase caused by the AMI meters is due to the higher accuracy of the meters.

The rate increases are necessary to continue operating, maintaining, and upgrading the utility systems. As the costs for materials increase, that increase needs to be passed along to the customer. Hence, the council's decision to tie the annual increases to the CPI. Both water and sewer departments periodically conduct a rate study to determine the adequacy of the rates. The study evaluates the projected expenses and future capital projects to determine if the existing rates with anticipated increases will meet the needs of the Parish.

Although the audit found that the average residential could increase by \$28.92 per month, the average utility (which includes water, sewer, and garbage fees, along with \$1 per meter for the Safe Drinking Water Fee) did not show this drastic of an increase for the accounts evaluated as part of this report due to the comparison months being summer months, 35-day billing periods, and the decrease in consumption offsetting the increased rates.

Actual Utility Bill Comparison

| | June 2022 Utility Bill Average | June 2023 Utility Bill Average | Difference |
|--------------------|-----------------------------------|-----------------------------------|------------|
| Manual-Read | \$106.75 | \$98.00 | -\$8.75 |
| AMR Meters | \$91.69 | \$90.55 | -\$1.14 |
| AMI Meters | \$100.19 | \$106.08 | \$5.89 |

Appendix A

Raw Data for Random Accounts



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**Manual Read
Random Account Data**

| Cycle | Account No. | Month | Water Usage | Sewer Usage | Irrigation Usage | Water1 Min Charge | Water1 Consumption | Sewer Category | Sewer Min Charge | Sewer Consumption | Garbage | Safe Drinking Water | Irrg1 Min Charge | Irrg1 Consumption | Total | Difference | Jumped Categories |
|------------|---------------|-----------|-------------|-------------|------------------|-------------------|--------------------|----------------|------------------|-------------------|---------|---------------------|------------------|-------------------|--------------|--------------|-------------------|
| 1 | 9840002107761 | June-23 | 5,200 | 5,200 | 1,200 | \$4.00 | \$22.46 | 100% | \$4.12 | \$48.20 | \$19.12 | \$2.00 | \$2.00 | \$5.18 | \$107.08 | | |
| | | June-22 | 4,800 | 4,800 | 1,800 | \$4.00 | \$19.15 | 100% | \$4.08 | \$41.14 | \$18.23 | \$2.00 | \$2.00 | \$7.18 | \$97.78 | \$9.30 | No |
| | 9840002115057 | June-23 | 10,800 | 10,800 | 0 | \$4.00 | \$57.31 | 100% | \$4.12 | \$100.12 | \$19.12 | \$2.00 | \$2.00 | \$0.00 | \$188.67 | | |
| | | June-22 | 10,100 | 10,100 | 0 | \$4.00 | \$47.83 | 100% | \$4.08 | \$86.56 | \$18.23 | \$2.00 | \$2.00 | \$0.00 | \$164.70 | \$23.97 | No |
| | 147015250003 | June-23 | 8,900 | 8,900 | | \$4.00 | \$44.07 | 80% | \$4.12 | \$66.04 | \$19.12 | \$1.00 | | | \$138.35 | | |
| | | June-22 | 8,200 | 8,200 | | \$4.00 | \$36.68 | 80% | \$4.08 | \$56.25 | \$18.23 | \$1.00 | | | \$120.24 | \$18.11 | No |
| | 9840002116305 | June-23 | 6,800 | 6,800 | 3,800 | \$4.00 | \$30.93 | 100% | \$4.12 | \$63.04 | \$19.12 | \$2.00 | \$2.00 | \$16.42 | \$141.63 | | |
| | | June-22 | 5,100 | 5,100 | 1,200 | \$4.00 | \$20.35 | 100% | \$4.08 | \$43.71 | \$18.23 | \$2.00 | \$2.00 | \$4.79 | \$99.16 | \$42.47 | Yes |
| 2 | 162002810001 | June-23 | 6,600 | 6,600 | | \$4.00 | \$29.68 | 80% | \$4.12 | \$48.97 | \$19.12 | \$1.00 | | | \$106.89 | | |
| | | June-22 | 5,700 | 5,700 | | \$4.00 | \$22.74 | 80% | \$4.08 | \$39.10 | \$18.23 | \$1.00 | | | \$89.15 | \$17.74 | Yes |
| | 289021800002 | June-23 | 7,300 | 7,300 | | \$4.00 | \$34.06 | 80% | \$4.12 | \$54.17 | \$19.12 | \$1.00 | | | \$116.47 | | |
| | | June-22 | 7,700 | 7,700 | | \$4.00 | \$33.78 | 80% | \$4.08 | \$52.82 | \$18.23 | \$1.00 | | | \$113.91 | \$2.56 | No |
| | 9840002124127 | June-23 | 6,400 | 6,400 | | \$4.00 | \$28.42 | 80% | \$4.12 | \$47.49 | \$19.12 | \$1.00 | | | \$104.15 | | |
| | | June-22 | 8,800 | 8,800 | | \$4.00 | \$40.15 | 80% | \$4.08 | \$60.37 | \$18.23 | \$1.00 | | | \$127.83 | -\$23.68 | No |
| | 9840002118459 | June-23 | 1,400 | 1,400 | | \$4.00 | \$6.05 | 80% | \$4.12 | \$10.39 | \$19.12 | \$1.00 | | | \$44.68 | | |
| | | June-22 | 6,500 | 6,500 | | \$4.00 | \$26.84 | 80% | \$4.08 | \$44.59 | \$18.23 | \$1.00 | | | \$98.74 | -\$54.06 | No |
| 3 | 9840002111203 | June-23 | 9,200 | 9,200 | | \$4.00 | \$45.95 | 80% | \$4.12 | \$68.26 | \$19.12 | \$1.00 | | | \$142.45 | | |
| | | June-22 | 15,800 | 15,800 | | \$4.00 | \$89.67 | 80% | \$4.08 | \$108.39 | \$18.23 | \$1.00 | | | \$225.37 | -\$82.92 | No |
| | 286002250001 | June-23 | 2,700 | 2,700 | | \$4.00 | \$11.66 | 80% | \$4.12 | \$20.03 | \$19.12 | \$1.00 | | | \$59.93 | | |
| | | June-22 | 3,300 | 3,300 | | \$4.00 | \$13.17 | 80% | \$4.08 | \$22.64 | \$18.23 | \$1.00 | | | \$63.12 | -\$3.19 | No |
| | 313000033001 | June-23 | 119,000 | | | \$4.00 | \$916.42 | | | | | \$1.00 | | | \$921.42 | | |
| | Industrial | June-22 | 21,000 | | | \$4.00 | \$127.84 | | | | | \$1.00 | | | \$132.84 | \$788.58 | No |
| | 9840002102314 | June-23 | 8,634,000 | | | \$4.00 | \$68,525.52 | | | | | \$1.00 | | | \$68,530.52 | | |
| | Industrial | June-22 | 7,982,000 | | | \$4.00 | \$58,561.58 | | | | | \$1.00 | | | \$58,566.58 | \$9,963.94 | No |
| 4 | 31300027001 | June-23 | 1,391,700 | | | \$4.00 | \$11,021.66 | | | | | \$1.00 | | | \$11,026.66 | | |
| | Industrial | June-22 | 1,456,000 | | | \$4.00 | \$10,660.74 | | | | | \$1.00 | | | \$10,665.74 | \$360.92 | No |
| | 313000045001 | June-23 | 1,326,000 | | | \$4.00 | \$10,500.00 | | | | | \$1.00 | | | \$10,505.00 | | |
| | Industrial | June-22 | 1,261,000 | | | \$4.00 | \$9,299.44 | | | | | \$1.00 | | | \$9,304.44 | \$1,200.56 | No |
| | 311005950001 | June-23 | 13,771,000 | 30,900 | | \$4.00 | \$109,313.30 | | \$4.12 | \$286.44 | | \$1.00 | | | \$109,608.86 | | |
| | Industrial | June-22 | 14,775,000 | 134,900 | | \$4.00 | \$108,422.20 | | \$4.08 | \$1,156.09 | | \$1.00 | | | \$109,587.37 | \$21.49 | No |
| | 430001100001 | June-23 | 2,300 | 2,300 | | \$4.00 | \$9.94 | 80% | \$4.12 | \$17.07 | \$19.12 | \$1.00 | | | \$55.25 | | |
| | | June-22 | 2,300 | 2,300 | | \$4.00 | \$9.18 | 80% | \$4.08 | \$15.78 | \$18.23 | \$1.00 | | | \$52.27 | \$2.98 | No |
| 5 | 436002455002 | June-23 | 10,300 | 10,300 | | \$4.00 | \$53.34 | 80% | \$4.12 | \$76.43 | \$19.12 | \$1.00 | | | \$158.01 | | |
| | | June-22 | 5,800 | 5,800 | | \$4.00 | \$23.14 | 80% | \$4.08 | \$39.79 | \$18.23 | \$1.00 | | | \$90.24 | \$67.77 | Yes |
| | 432000170001 | June-23 | 2,500 | 2,500 | | \$4.00 | \$10.80 | 80% | \$4.12 | \$18.55 | \$19.12 | \$1.00 | | | \$57.59 | | |
| | | June-22 | 3,000 | 3,000 | | \$4.00 | \$11.97 | 80% | \$4.08 | \$20.58 | \$18.23 | \$1.00 | | | \$59.86 | -\$2.27 | No |
| | 9840002110141 | June-23 | 2,400 | 2,400 | | \$4.00 | \$10.37 | 80% | \$4.12 | \$17.81 | \$19.12 | \$1.00 | | | \$56.42 | | |
| | | June-22 | 5,800 | 5,800 | | \$4.00 | \$23.14 | 80% | \$4.08 | \$39.79 | \$18.23 | \$1.00 | | | \$90.24 | -\$33.82 | No |
| | 431000620002 | June-23 | 11,100 | 11,100 | | \$4.00 | \$59.69 | 95% | \$4.12 | \$97.79 | \$38.24 | \$1.00 | | | \$204.84 | | |
| | | June-22 | 9,600 | 9,600 | | \$4.00 | \$44.78 | 95% | \$4.08 | \$78.14 | \$36.46 | \$1.00 | | | \$168.46 | \$36.38 | Yes |
| 6 | 531002900001 | June-23 | 13,200 | | | \$4.00 | \$76.37 | | | | | \$1.00 | | | \$81.37 | | |
| | Commercial | June-22 | 16,000 | | | \$4.00 | \$91.14 | | | | | \$1.00 | | | \$96.14 | -\$14.77 | No |
| | 521000150001 | June-23 | 627,000 | | | \$4.00 | \$4,949.94 | | | | | \$1.00 | | | \$4,954.94 | | |
| | Industrial | June-22 | 2,313,000 | | | \$4.00 | \$16,951.12 | | | | | \$1.00 | | | \$16,956.12 | -\$12,001.18 | No |
| | 531003000001 | June-23 | 7,704,000 | 0 | | \$4.00 | \$61,141.32 | | \$4.12 | \$41.53 | | \$1.00 | | | \$61,191.97 | | |
| Industrial | June-22 | 7,537,000 | 0 | | \$4.00 | \$55,295.28 | | \$4.08 | \$41.57 | | \$1.00 | | | \$55,345.93 | \$5,846.04 | No | |

**Manual Read
Random Account Data**

| Cycle | Account No. | Month | Water Usage | Sewer Usage | Irrigation Usage | Water1 Min Charge | Water1 Consumption | Sewer Category | Sewer Min Charge | Sewer Consumption | Garbage | Safe Drinking Water | Irrg1 Min Charge | Irrg1 Consumption | Total | Difference | Jumped Categories |
|-------|---------------|---------|-------------|-------------|------------------|-------------------|--------------------|----------------|------------------|-------------------|---------|---------------------|------------------|-------------------|----------|------------|-------------------|
| 6 | 673012250001 | June-23 | 11,200 | 11,200 | | \$4.00 | \$60.49 | 80% | \$4.12 | \$83.10 | \$19.12 | \$1.00 | | | \$171.83 | | |
| | | June-22 | 10,000 | 10,000 | | \$4.00 | \$47.10 | 80% | \$4.08 | \$68.60 | \$18.23 | \$1.00 | | | \$143.01 | \$28.82 | No |
| | 635010400001 | June-23 | 1,200 | 1,200 | | \$4.00 | \$5.18 | 80% | \$4.12 | \$8.90 | \$19.12 | \$1.00 | | | \$42.32 | | |
| | | June-22 | 1,900 | 1,900 | | \$4.00 | \$7.58 | 80% | \$4.08 | \$13.03 | \$18.23 | \$1.00 | | | \$47.92 | -\$5.60 | No |
| | 9840002112751 | June-23 | 1,500 | 1,500 | | \$4.00 | \$6.48 | 80% | \$4.12 | \$11.13 | \$19.12 | \$1.00 | | | \$45.85 | | |
| | | June-22 | 1,800 | 1,800 | | \$4.00 | \$7.18 | 80% | \$4.08 | \$12.35 | \$18.23 | \$1.00 | | | \$46.84 | -\$0.99 | No |
| | 673007800003 | June-23 | 5,500 | 5,500 | | \$4.00 | \$23.76 | 80% | \$4.12 | \$40.81 | \$19.12 | \$1.00 | | | \$92.81 | | |
| | | June-22 | 4,300 | 4,300 | | \$4.00 | \$17.16 | 80% | \$4.08 | \$29.50 | \$18.23 | \$1.00 | | | \$73.97 | \$18.84 | No |
| 7 | 168000425002 | June-23 | 3,600 | 3,600 | | \$4.00 | \$15.55 | 80% | \$4.12 | \$26.71 | \$19.12 | \$1.00 | | | \$70.50 | | |
| | | June-22 | 4,100 | 4,100 | | \$4.00 | \$16.36 | 80% | \$4.08 | \$28.13 | \$18.23 | \$1.00 | | | \$71.80 | -\$1.30 | No |
| | 744001750001 | June-23 | 2,100 | 2,100 | 5,500 | \$4.00 | \$9.07 | 90% | \$4.12 | \$17.51 | \$19.12 | \$2.00 | \$2.00 | \$23.76 | \$81.58 | | |
| | | June-22 | 4,200 | 4,200 | 3,100 | \$4.00 | \$16.76 | 90% | \$4.08 | \$32.38 | \$18.23 | \$2.00 | \$2.00 | \$12.37 | \$91.82 | -\$10.24 | No |
| | 758006240004 | June-23 | 3,900 | 3,900 | | \$4.00 | \$16.85 | 90% | \$4.12 | \$32.53 | \$19.12 | \$1.00 | | | \$77.62 | | |
| | | June-22 | 7,200 | 7,200 | | \$4.00 | \$30.89 | 90% | \$4.08 | \$55.51 | \$18.23 | \$1.00 | | | \$113.71 | -\$36.09 | No |
| | 9840002117243 | June-23 | 1,700 | 1,700 | | \$4.00 | \$7.34 | 80% | \$4.12 | \$12.61 | \$19.12 | \$1.00 | | | \$48.19 | | |
| | | June-22 | 2,100 | 2,100 | | \$4.00 | \$8.38 | 80% | \$4.08 | \$14.41 | \$18.23 | \$1.00 | | | \$50.10 | -\$1.91 | No |
| 8 | 9840002112692 | June-23 | 6,900 | 6,900 | | \$4.00 | \$31.55 | 80% | \$4.12 | \$51.20 | \$19.12 | \$1.00 | | | \$110.99 | | |
| | | June-22 | 7,200 | 7,200 | | \$4.00 | \$30.89 | 80% | \$4.08 | \$49.39 | \$18.23 | \$1.00 | | | \$107.59 | \$3.40 | No |
| | 735001700001 | June-23 | 5,800 | 5,800 | | \$4.00 | \$25.06 | 80% | \$4.12 | \$43.04 | \$19.12 | \$1.00 | | | \$96.34 | | |
| | | June-22 | 2,200 | 2,200 | | \$4.00 | \$8.78 | 80% | \$4.08 | \$15.09 | \$18.23 | \$1.00 | | | \$51.18 | \$45.16 | No |
| | 868006410001 | June-23 | 5,200 | 5,200 | 1,800 | \$4.00 | \$22.46 | 90% | \$4.12 | \$43.37 | \$19.12 | \$2.00 | \$2.00 | \$7.78 | \$104.85 | | |
| | | June-22 | 20,400 | 20,400 | 11,000 | \$4.00 | \$123.44 | 90% | \$4.08 | \$157.28 | \$18.23 | \$2.00 | \$2.00 | \$54.44 | \$365.47 | -\$260.62 | No |
| | 9840002114431 | June-23 | 3,700 | 3,700 | | \$4.00 | \$15.98 | 80% | \$4.10 | \$27.45 | \$19.12 | \$1.00 | | | \$71.65 | | |
| | | June-22 | 8,600 | 8,600 | | \$4.00 | \$38.99 | 80% | \$4.08 | \$59.00 | \$18.23 | \$1.00 | | | \$125.30 | -\$53.65 | No |
| 8 | 9840002116759 | June-23 | 7,200 | 7,200 | | \$4.00 | \$33.43 | 80% | \$4.12 | \$53.42 | \$19.12 | \$1.00 | | | \$115.09 | | |
| | | June-22 | 7,000 | 7,000 | | \$4.00 | \$29.73 | 80% | \$4.08 | \$48.02 | \$18.23 | \$1.00 | | | \$105.06 | \$10.03 | No |
| | 844002050001 | June-23 | 2,500 | 2,500 | | \$4.00 | \$10.80 | 80% | \$4.12 | \$18.55 | \$19.12 | \$1.00 | | | \$57.59 | | |
| | | June-22 | 2,100 | 2,100 | | \$4.00 | \$8.38 | 80% | \$4.08 | \$14.41 | \$18.23 | \$1.00 | | | \$50.10 | \$7.49 | No |
| | 844001050001 | June-23 | 3,600 | 3,600 | | \$4.00 | \$15.55 | 80% | \$4.12 | \$26.71 | \$19.12 | \$1.00 | | | \$70.50 | | |
| | | June-22 | 6,400 | 6,400 | | \$4.00 | \$26.26 | 80% | \$4.08 | \$43.90 | \$18.23 | \$1.00 | | | \$97.47 | -\$26.97 | No |

**Drive-By Read
Random Account Data**

| Cycle | Account No. | Month | Water Usage | Sewer Usage | Irrigation Usage | Water1 Min Charge | Water1 Consumption | Sewer Category | Sewer Min Charge | Sewer Consumption | Garbage | Safe Drinking Water | Irrg1 Min Charge | Irrg1 Consumption | Total | Difference | Jumped Categories |
|-------|---------------|---------|-------------|-------------|------------------|-------------------|--------------------|----------------|------------------|-------------------|---------|---------------------|------------------|-------------------|-----------|------------|-------------------|
| 1 | 9840002120737 | June-23 | 5,900 | 5,900 | | \$4.00 | \$25.49 | 80% | \$4.12 | \$43.78 | \$19.12 | \$1.00 | | | \$97.51 | | |
| | | June-22 | 5,700 | 5,700 | | \$4.00 | \$22.74 | 80% | \$4.08 | \$39.10 | \$18.23 | \$1.00 | | | \$89.15 | \$8.36 | No |
| | 145003950001 | June-23 | 2,800 | 2,800 | 3,000 | \$4.00 | \$12.10 | 90% | \$4.12 | \$23.35 | \$19.12 | \$2.00 | \$2.00 | \$12.96 | \$79.65 | | |
| | | June-22 | 2,700 | 2,700 | 500 | \$4.00 | \$10.77 | 90% | \$4.08 | \$20.82 | \$18.23 | \$2.00 | \$2.00 | \$2.00 | \$63.90 | \$15.75 | No |
| | 146002400001 | June-23 | 3,900 | 3,900 | | \$4.00 | \$16.85 | 80% | \$4.12 | \$28.94 | \$19.12 | \$11.00 | | | \$84.03 | | |
| | | June-22 | 4,800 | 4,800 | | \$4.00 | \$19.15 | 80% | \$4.08 | \$32.93 | \$18.23 | \$1.00 | | | \$79.39 | \$4.64 | No |
| | 9840002107521 | June-23 | 2,900 | 2,900 | | \$4.00 | \$12.53 | 80% | \$4.12 | \$21.52 | \$19.12 | \$1.00 | | | \$62.29 | | |
| | | June-22 | 10,000 | 10,000 | | \$4.00 | \$47.10 | 80% | \$4.08 | \$68.60 | \$18.23 | \$1.00 | | | \$143.01 | -\$80.72 | No |
| 2 | 160001450002 | June-23 | 6,800 | 6,800 | | \$4.00 | \$30.93 | 80% | \$4.12 | \$50.46 | \$19.12 | \$1.00 | | | \$109.63 | | |
| | | June-22 | 8,900 | 8,900 | | \$4.00 | \$40.73 | 80% | \$4.08 | \$61.05 | \$18.23 | \$1.00 | | | \$129.09 | -\$19.46 | No |
| | 276001580001 | June-23 | 2,100 | 2,100 | | \$4.00 | \$9.07 | 80% | \$4.12 | \$15.58 | \$19.12 | \$1.00 | | | \$52.89 | | |
| | | June-22 | 2,500 | 2,500 | | \$4.00 | \$9.98 | 80% | \$4.08 | \$17.15 | \$18.23 | \$1.00 | | | \$54.44 | -\$1.55 | No |
| | 270006530001 | June-23 | 2,700 | 2,700 | | \$4.00 | \$11.66 | 80% | \$4.12 | \$20.03 | \$19.12 | \$1.00 | | | \$59.93 | | |
| | | June-22 | 3,600 | 3,600 | | \$4.00 | \$14.36 | 80% | \$4.08 | \$24.70 | \$18.23 | \$1.00 | | | \$66.37 | -\$6.44 | No |
| | 27800755001 | June-23 | 1,500 | 1,500 | | \$4.00 | \$6.48 | 80% | \$4.12 | \$11.13 | \$19.12 | \$1.00 | | | \$45.85 | | |
| | | June-22 | 1,100 | 1,100 | | \$4.00 | \$4.39 | 80% | \$4.08 | \$7.55 | \$18.23 | \$1.00 | | | \$39.25 | \$6.60 | No |
| 3 | 286006500001 | June-23 | 2,400 | 2,400 | 100 | \$4.00 | \$10.37 | 90% | \$4.12 | \$20.02 | \$19.12 | \$2.00 | \$2.00 | \$0.43 | \$62.06 | | |
| | | June-22 | 2,100 | 2,100 | 0 | \$4.00 | \$8.38 | 90% | \$4.08 | \$16.19 | \$18.23 | \$2.00 | \$2.00 | \$0.00 | \$54.88 | \$7.18 | No |
| | 286010100001 | June-23 | 1,600 | 1,600 | | \$4.00 | \$6.91 | 80% | \$4.12 | \$11.87 | | \$1.00 | | | \$27.90 | | |
| | | June-22 | 1,700 | 1,700 | | \$4.00 | \$6.78 | 80% | \$4.08 | \$11.66 | | \$1.00 | | | \$27.52 | \$0.38 | No |
| | 325000290004 | June-23 | 4,600 | 4,600 | | \$4.00 | \$19.87 | 80% | \$4.12 | \$34.13 | \$19.12 | \$1.00 | | | \$82.24 | | |
| | | June-22 | 5,000 | 5,000 | | \$4.00 | \$19.95 | 80% | \$4.08 | \$34.30 | \$18.23 | \$1.00 | | | \$81.56 | \$0.68 | No |
| | 313000427001 | June-23 | 2,400 | 2,400 | | \$4.00 | \$10.37 | 90% | \$4.12 | \$20.02 | \$19.12 | \$1.00 | | | \$58.63 | | |
| | | June-22 | 4,500 | 4,500 | | \$4.00 | \$17.96 | 90% | \$4.08 | \$34.70 | \$18.23 | \$1.00 | | | \$79.97 | -\$21.34 | No |
| 4 | 9840002115734 | June-23 | 6,700 | 6,700 | | \$4.00 | \$30.30 | 80% | \$4.12 | \$49.71 | \$19.12 | \$1.00 | | | \$108.25 | | |
| | | June-22 | 5,200 | 5,200 | | \$4.00 | \$20.75 | 80% | \$4.08 | \$35.67 | \$18.23 | \$1.00 | | | \$83.73 | \$24.52 | Yes |
| | 9840002103151 | June-23 | 6,300 | 6,300 | | \$4.00 | \$27.80 | 80% | \$4.12 | \$46.75 | \$19.12 | \$1.00 | | | \$102.79 | | |
| | | June-22 | 5,300 | 5,300 | | \$4.00 | \$21.15 | 80% | \$4.08 | \$36.36 | \$18.23 | \$1.00 | | | \$84.82 | \$17.97 | Yes |
| | 9840002109116 | June-23 | 8,400 | 8,400 | | \$4.00 | \$0.94 | 80% | \$4.12 | \$62.33 | \$19.12 | \$1.00 | | | \$91.51 | | |
| | | June-22 | 9,400 | 9,400 | | \$4.00 | \$43.63 | 80% | \$4.08 | \$64.48 | \$18.23 | \$1.00 | | | \$135.42 | -\$43.91 | No |
| 5 | 434000555001 | June-23 | 3,800 | 3,800 | | \$4.00 | \$16.42 | 80% | \$4.12 | \$28.20 | \$19.12 | \$1.00 | | | \$72.86 | | |
| | | June-22 | 4,000 | 4,000 | | \$4.00 | \$15.96 | 80% | \$4.08 | \$27.44 | \$18.23 | \$1.00 | | | \$70.71 | \$2.15 | No |
| | 436000240001 | June-23 | 3,900 | 3,900 | | \$4.00 | \$16.85 | 80% | \$4.12 | \$28.94 | \$19.12 | \$1.00 | | | \$74.03 | | |
| | | June-22 | 4,800 | 4,800 | | \$4.00 | \$19.15 | 80% | \$4.08 | \$32.93 | \$18.23 | \$1.00 | | | \$79.39 | -\$5.36 | No |
| | 9840002115197 | June-23 | 3,700 | 3,700 | | \$4.00 | \$15.98 | 100% | \$4.12 | \$34.30 | \$19.12 | \$1.00 | | | \$78.52 | | |
| | | June-22 | 6,100 | 6,100 | | \$4.00 | \$24.52 | 100% | \$4.08 | \$52.28 | \$18.23 | \$1.00 | | | \$104.11 | -\$25.59 | No |
| | 9840002112422 | June-23 | 5,600 | 5,600 | | \$4.00 | \$24.19 | 80% | \$4.12 | \$41.55 | \$19.12 | \$1.00 | | | \$93.98 | | |
| | | June-22 | 5,100 | 5,100 | | \$4.00 | \$20.35 | 80% | \$4.08 | \$34.99 | \$18.23 | \$1.00 | | | \$82.65 | \$11.33 | No |
| 5 | 441003100001 | June-23 | 4,600 | 4,600 | | \$4.00 | \$19.87 | 80% | \$4.12 | \$34.13 | \$19.12 | \$1.00 | | | \$82.24 | | |
| | | June-22 | 5,700 | 5,700 | | \$4.00 | \$22.74 | 80% | \$4.08 | \$39.10 | \$18.23 | \$1.00 | | | \$89.15 | -\$6.91 | No |
| | 9840002109505 | June-23 | 11,600 | 11,600 | | \$4.00 | \$63.66 | 80% | \$4.12 | \$86.07 | \$19.12 | \$1.00 | | | \$177.97 | | |
| | | June-22 | 8,100 | 8,100 | | \$4.00 | \$36.10 | 80% | \$4.08 | \$55.57 | \$18.23 | \$1.00 | | | \$118.98 | \$58.99 | Yes |
| | 511008000001 | June-23 | 16,200 | | | \$4.00 | \$100.19 | | | | \$19.12 | \$1.00 | | | \$124.31 | | |
| | | June-22 | 6,400 | | | \$4.00 | \$26.26 | | | | \$18.23 | \$1.00 | | | \$49.49 | \$74.82 | Yes |
| | 9840002119590 | June-23 | 5,300 | 5,300 | | \$4.00 | \$22.90 | 80% | \$4.12 | \$39.33 | \$19.12 | \$1.00 | | | \$90.47 | | |
| | | June-22 | 5,400 | 5,400 | | \$4.00 | \$21.55 | 80% | \$4.08 | \$37.04 | \$18.23 | \$1.00 | | | \$85.90 | \$4.57 | No |
| 5 | 512005200001 | June-23 | 8,300 | 8,300 | | \$4.00 | \$40.32 | 80% | \$4.12 | \$61.59 | \$19.12 | \$1.00 | | | \$130.15 | | |
| | | June-22 | 7,000 | 7,000 | | \$4.00 | \$29.73 | 80% | \$5.08 | \$48.02 | \$18.23 | \$1.00 | | | \$106.06 | \$24.09 | No |
| | 9840002105632 | June-23 | 8,400 | 8,400 | | \$4.00 | \$40.94 | 80% | \$4.12 | \$62.33 | \$19.12 | \$1.00 | | | \$131.51 | | |
| | June-22 | 23,700 | 23,700 | | \$4.00 | \$147.66 | 80% | \$4.08 | \$162.58 | \$18.23 | \$1.00 | | | \$337.55 | -\$206.04 | No | |

**Drive-By Read
Random Account Data**

| Cycle | Account No. | Month | Water Usage | Sewer Usage | Irrigation Usage | Water1 Min Charge | Water1 Consumption | Sewer Category | Sewer Min Charge | Sewer Consumption | Garbage | Safe Drinking Water | Irrg1 Min Charge | Irrg1 Consumption | Total | Difference | Jumped Categories |
|-------|---------------|---------|-------------|-------------|------------------|-------------------|--------------------|----------------|------------------|-------------------|---------|---------------------|------------------|-------------------|----------|------------|-------------------|
| 6 | 676005950003 | June-23 | 4,400 | 4,400 | | \$4.00 | \$19.01 | 80% | \$4.12 | \$32.65 | \$19.12 | \$1.00 | | | \$79.90 | | |
| | | June-22 | 6,100 | 6,100 | | \$4.00 | \$24.52 | 80% | \$4.08 | \$41.85 | \$18.23 | \$1.00 | | | \$93.68 | -\$13.78 | No |
| | 635006500001 | June-23 | 15,300 | 15,300 | | \$4.00 | \$93.04 | 80% | \$4.12 | \$113.53 | \$19.12 | \$1.00 | | | \$234.81 | | |
| | | June-22 | 14,500 | 14,500 | | \$4.00 | \$80.13 | 80% | \$4.08 | \$99.47 | \$18.23 | \$1.00 | | | \$206.91 | \$27.90 | No |
| | 9840002110977 | June-23 | 7,900 | 7,900 | | \$4.00 | \$37.81 | 80% | \$4.12 | \$58.62 | \$19.12 | \$1.00 | | | \$124.67 | | |
| | | June-22 | 6,000 | 6,000 | | \$4.00 | \$23.94 | 80% | \$4.08 | \$41.16 | \$18.23 | \$1.00 | | | \$92.41 | \$32.26 | No |
| | 9840002122676 | June-23 | 1,300 | 1,300 | | \$4.00 | \$5.62 | 80% | \$4.12 | \$9.65 | \$19.12 | \$1.00 | | | \$43.51 | | |
| | | June-22 | 2,100 | 2,100 | | \$4.00 | \$8.38 | 80% | \$4.08 | \$14.41 | \$18.23 | \$1.00 | | | \$50.10 | -\$6.59 | No |
| 7 | 676010550006 | June-23 | 6,300 | 6,300 | | \$4.00 | \$27.80 | 80% | \$4.12 | \$46.75 | \$19.12 | \$1.00 | | | \$102.79 | | |
| | | June-22 | 1,300 | 1,300 | | \$4.00 | \$5.19 | 80% | \$4.08 | \$8.92 | \$18.23 | \$1.00 | | | \$41.42 | \$61.37 | Yes |
| | 713000100001 | June-23 | 2,600 | 2,600 | 13,600 | \$4.00 | \$11.23 | 90% | \$4.12 | \$21.68 | \$19.12 | \$2.00 | \$2.00 | \$79.54 | \$143.69 | | |
| | | June-22 | 2,900 | 2,900 | 13,700 | \$4.00 | \$11.57 | 90% | \$4.08 | \$22.36 | \$18.23 | \$2.00 | \$2.00 | \$74.26 | \$138.50 | \$5.19 | No |
| | 9840002122350 | June-23 | 2,100 | 2,100 | | \$4.00 | \$9.07 | 80% | \$4.12 | \$15.58 | | \$1.00 | | | \$33.77 | | |
| | | June-22 | 3,800 | 3,800 | | \$4.00 | \$15.16 | 80% | \$4.08 | \$26.07 | | \$1.00 | | | \$50.31 | -\$16.54 | No |
| | 9840002118037 | June-23 | 6,000 | 6,000 | | \$4.00 | \$25.92 | 80% | \$4.12 | \$44.52 | \$19.12 | \$1.00 | | | \$98.68 | | |
| | | June-22 | 6,400 | 6,400 | | \$4.00 | \$26.26 | 80% | \$4.08 | \$43.90 | \$18.23 | \$1.00 | | | \$97.47 | \$1.21 | No |
| 8 | 9840002112653 | June-23 | 1,600 | 1,600 | | \$4.00 | \$6.91 | 80% | \$4.12 | \$11.87 | \$19.12 | \$1.00 | | | \$47.02 | | |
| | | June-22 | 1,700 | 1,700 | | \$4.00 | \$6.78 | 80% | \$4.08 | \$11.66 | \$18.23 | \$1.00 | | | \$45.75 | \$1.27 | No |
| | 716006875001 | June-23 | 3,400 | 3,400 | | \$4.00 | \$14.69 | 80% | \$4.12 | \$25.23 | | \$1.00 | | | \$49.04 | | |
| | | June-22 | 4,400 | 4,400 | | \$4.00 | \$17.56 | 80% | \$4.08 | \$30.18 | | \$1.00 | | | \$56.82 | -\$7.78 | No |
| | 9840002115582 | June-23 | 2,200 | 2,200 | | \$4.00 | \$9.50 | 95% | \$4.12 | \$19.38 | | \$1.00 | | | \$38.00 | | |
| | Commercial | June-22 | 2,300 | 2,300 | | \$4.00 | \$9.18 | 95% | \$4.08 | \$18.72 | | \$1.00 | | | \$36.98 | \$1.02 | No |
| | 9840002111207 | June-23 | 3,600 | 3,600 | | \$4.00 | \$15.55 | 80% | \$4.12 | \$26.71 | \$19.12 | \$1.00 | | | \$70.50 | | |
| | | June-22 | 4,400 | 4,400 | | \$4.00 | \$17.56 | 80% | \$4.08 | \$30.18 | \$18.23 | \$1.00 | | | \$75.05 | -\$4.55 | No |
| 8 | 9840002124006 | June-23 | 3,800 | 3,800 | | \$4.00 | \$16.42 | 80% | \$4.12 | \$28.20 | \$19.12 | \$1.00 | | | \$72.86 | | |
| | | June-23 | 3,600 | 3,600 | | \$4.00 | \$14.36 | 80% | \$4.08 | \$24.70 | \$18.23 | \$1.00 | | | \$66.37 | \$6.49 | No |
| | 848001850002 | June-22 | 5,400 | 5,400 | | \$4.00 | \$23.33 | 80% | \$4.12 | \$40.07 | \$19.12 | \$1.00 | | | \$91.64 | | |
| | | June-23 | 3,200 | 3,200 | | \$4.00 | \$12.77 | 80% | \$4.08 | \$21.95 | \$18.23 | \$1.00 | | | \$62.03 | \$29.61 | No |
| | 848000250001 | June-23 | 8,900 | 8,900 | | \$4.00 | \$44.07 | 80% | \$4.12 | \$66.04 | \$38.24 | \$1.00 | | | \$157.47 | | |
| | | June-22 | 10,100 | 10,100 | | \$4.00 | \$47.83 | 80% | \$4.08 | \$69.29 | \$36.46 | \$1.00 | | | \$162.66 | | |

**Fixed-Based Read
Random Account Data**

| Cycle | Account No. | Month | Water Usage | Sewer Usage | Irrigation Usage | Water1 Min Charge | Water1 Consumption | Sewer Category | Sewer Min Charge | Sewer Consumption | Garbage | Safe Drinking Water | Irrg1 Min Charge | Irrg1 Consumption | Total | Difference | Jumped Categories | |
|-------|---------------|---------------|-------------|-------------|------------------|-------------------|--------------------|----------------|------------------|-------------------|----------|---------------------|------------------|-------------------|----------|------------|-------------------|----|
| 1 | 166001327001 | June-23 | 3,700 | 3,700 | 800 | \$4.00 | \$15.98 | 90% | \$4.12 | \$30.86 | \$19.12 | \$2.00 | \$2.00 | \$3.46 | \$81.54 | | | |
| | | June-22 | 3,800 | 3,800 | 200 | \$4.00 | \$15.16 | 90% | \$4.08 | \$29.30 | \$18.23 | \$2.00 | \$2.00 | \$0.80 | \$75.57 | \$5.97 | No | |
| | 159009100001 | June-23 | 17,400 | 17,400 | | \$4.00 | \$109.72 | 80% | \$4.12 | \$129.11 | \$19.12 | \$1.00 | | | \$267.07 | | | |
| | | June-22 | 13,800 | 13,800 | | \$4.00 | \$74.99 | 80% | \$4.08 | \$94.67 | \$18.23 | \$1.00 | | | \$196.97 | \$70.10 | No | |
| | 156009100001 | June-23 | 6,000 | 6,000 | | \$4.00 | \$25.92 | 80% | \$4.12 | \$44.52 | \$19.12 | \$1.00 | | | \$98.68 | | | |
| | | June-22 | 6,200 | 6,200 | | \$4.00 | \$25.00 | 80% | \$4.08 | \$42.53 | \$18.23 | \$1.00 | | | \$94.84 | \$3.84 | No | |
| | 159007900001 | June-23 | 9,500 | 9,500 | | \$4.00 | \$47.83 | 80% | \$4.12 | \$70.49 | \$19.12 | \$1.00 | | | \$146.56 | | | |
| | | June-22 | 8,200 | 8,200 | | \$4.00 | \$36.68 | 80% | \$4.08 | \$56.25 | \$18.23 | \$1.00 | | | \$120.24 | \$26.32 | No | |
| | 9840002109416 | June-23 | 6,900 | 6,900 | | \$4.00 | \$31.55 | 80% | \$4.12 | \$51.20 | \$19.12 | \$1.00 | | | \$110.99 | | | |
| | | June-22 | 8,800 | 8,800 | | \$4.00 | \$40.15 | 80% | \$4.08 | \$60.37 | \$18.23 | \$1.00 | | | \$127.83 | -\$16.84 | No | |
| 2 | | 9840002120867 | June-23 | 9,900 | 9,900 | | \$4.00 | \$50.33 | 80% | \$4.12 | \$73.46 | \$19.12 | \$1.00 | | | \$152.03 | | |
| | | | June-22 | 6,400 | 6,400 | | \$4.00 | \$26.26 | 80% | \$4.08 | \$43.90 | | \$1.00 | | \$79.24 | \$72.79 | No | |
| | | 9840002109004 | June-23 | 4,400 | 4,400 | | \$4.00 | \$19.01 | 80% | \$4.12 | \$32.65 | \$19.12 | \$1.00 | | \$79.90 | | | |
| | | | June-22 | 4,500 | 4,500 | | \$4.00 | \$17.96 | 80% | \$4.08 | \$30.87 | \$19.23 | \$1.00 | | \$77.14 | \$2.76 | No | |
| | | 286014400001 | June-23 | 6,500 | 6,500 | | \$4.00 | \$29.05 | 80% | \$4.12 | \$48.23 | \$19.12 | \$1.00 | | \$105.52 | | | |
| | | | June-22 | 3,400 | 3,400 | | \$4.00 | \$13.57 | 80% | \$4.08 | \$23.32 | \$18.23 | \$1.00 | | \$64.20 | \$41.32 | Yes | |
| | | 280000010001 | June-23 | 2,400 | 2,400 | | \$4.00 | \$10.80 | 80% | \$4.12 | \$18.55 | \$19.12 | \$1.00 | | \$57.59 | | | |
| | | | June-22 | 2,100 | 2,100 | | \$4.00 | \$8.38 | 80% | \$4.08 | \$14.41 | \$18.23 | \$1.00 | | \$50.10 | \$7.49 | No | |
| | 9840002114770 | June-23 | 1,800 | 1,800 | | \$4.00 | \$7.78 | 80% | \$4.12 | \$13.36 | \$19.12 | \$1.00 | | \$49.38 | | | | |
| | | June-22 | 2,400 | 2,400 | | \$4.00 | \$9.58 | 80% | \$4.08 | \$16.46 | \$18.23 | \$1.00 | | \$53.35 | -\$3.97 | No | | |
| 3 | | 315006500001 | June-23 | 3,600 | 3,600 | | \$4.00 | \$15.55 | 80% | \$4.12 | \$26.71 | \$19.12 | \$1.00 | | \$70.50 | | | |
| | | | June-22 | 2,200 | 2,200 | | \$4.00 | \$8.78 | 80% | \$4.08 | \$15.09 | \$18.23 | \$1.00 | | \$51.18 | \$19.32 | No | |
| | | 9840002120927 | June-23 | 1,300 | 1,300 | | \$4.00 | \$5.62 | 80% | \$4.12 | \$9.65 | \$19.12 | \$1.00 | | \$43.51 | | | |
| | | | June-22 | 10,800 | 10,800 | | \$4.00 | \$52.97 | 80% | \$4.08 | \$74.09 | \$18.23 | \$1.00 | | \$154.37 | -\$110.86 | No | |
| | | 9840002124238 | June-23 | 6,300 | 6,300 | | \$4.00 | \$27.80 | 80% | \$4.12 | \$46.75 | \$19.12 | \$1.00 | | \$102.79 | | | |
| | | | June-22 | 6,000 | 6,000 | | \$4.00 | \$23.94 | 80% | \$4.08 | \$41.16 | \$18.23 | \$1.00 | | \$92.41 | \$10.38 | No | |
| | | 9840002113208 | June-23 | 8,200 | 8,200 | | \$4.00 | \$39.69 | 80% | \$4.12 | \$60.84 | \$19.12 | \$1.00 | | \$128.77 | | | |
| | | | June-22 | 15,100 | 15,100 | | \$4.00 | \$84.53 | 80% | \$4.08 | \$103.59 | \$18.23 | \$1.00 | | \$215.43 | -\$86.66 | No | |
| | 315000790002 | June-23 | 1,700 | 1,700 | | \$4.00 | \$7.34 | 80% | \$4.12 | \$12.61 | \$19.12 | \$1.00 | | \$48.19 | | | | |
| | | June-22 | 2,100 | 2,100 | | \$4.00 | \$8.38 | 80% | \$4.08 | \$14.41 | \$18.23 | \$1.00 | | \$50.10 | -\$1.91 | No | | |
| 4 | | 432000684001 | June-23 | 3,400 | 3,400 | 6,700 | \$4.00 | \$14.69 | 90% | \$4.12 | \$28.36 | \$19.12 | \$2.00 | \$2.00 | \$30.30 | \$104.59 | | |
| | | | June-22 | 4,200 | 4,200 | 3,200 | \$4.00 | \$16.76 | 90% | \$4.08 | \$32.38 | \$18.23 | \$2.00 | \$2.00 | \$12.77 | \$92.22 | \$12.37 | No |
| | | 433000120001 | June-23 | 2,900 | 2,900 | | \$4.00 | \$12.53 | 80% | \$4.12 | \$21.52 | \$19.12 | \$1.00 | | \$62.29 | | | |
| | | | June-22 | 2,200 | 2,200 | | \$4.00 | \$8.78 | 80% | \$4.08 | \$15.09 | \$18.23 | \$1.00 | | \$51.18 | \$11.11 | No | |
| | | 9840002118690 | June-23 | 3,600 | 3,600 | | \$4.00 | \$15.55 | 80% | \$4.12 | \$26.71 | \$19.12 | \$1.00 | | \$70.50 | | | |
| | | | June-22 | 3,000 | 3,000 | | \$4.00 | \$11.97 | 80% | \$4.08 | \$20.58 | \$18.23 | \$1.00 | | \$59.86 | \$10.64 | No | |
| | | 443013300001 | June-23 | 5,500 | 5,500 | | \$4.00 | \$23.76 | 80% | \$4.12 | \$40.81 | \$19.12 | \$1.00 | | \$92.81 | | | |
| | | | June-22 | 3,200 | 3,200 | | \$4.00 | \$12.77 | 80% | \$4.08 | \$21.95 | \$18.23 | \$1.00 | | \$62.03 | \$30.78 | No | |
| | 443004850001 | June-23 | 12,400 | 12,400 | | \$4.00 | \$70.02 | | | | \$19.12 | \$1.00 | | \$94.14 | | | | |
| | | June-22 | 20,800 | 20,800 | | \$4.00 | \$126.37 | | | | \$18.23 | \$1.00 | | \$149.60 | -\$55.46 | No | | |
| 5 | | 9840002109234 | June-23 | 2,000 | 2,000 | | \$4.00 | \$8.64 | 80% | \$4.12 | \$14.84 | \$19.12 | \$1.00 | | \$51.72 | | | |
| | | | June-22 | 15,300 | 15,300 | | \$4.00 | \$86.00 | 80% | \$4.08 | \$104.96 | \$18.23 | \$1.00 | | \$218.27 | -\$166.55 | No | |
| | | 522003375001 | June-23 | 11,000 | 11,000 | | \$4.00 | \$58.90 | 80% | \$4.12 | \$81.62 | \$19.12 | \$1.00 | | \$168.76 | | | |
| | | | June-22 | 9,500 | 9,500 | | \$4.00 | \$44.21 | 80% | \$4.08 | \$65.17 | \$18.23 | \$1.00 | | \$136.69 | \$32.07 | Yes | |
| | | 510001275001 | June-23 | 3,000 | 3,000 | | \$4.00 | \$12.96 | 80% | \$4.12 | \$22.36 | \$19.12 | \$1.00 | | \$63.56 | | | |
| | | | June-22 | 5,800 | 5,800 | | \$4.00 | \$23.14 | 80% | \$4.08 | \$39.79 | \$18.23 | \$1.00 | | \$90.24 | -\$26.68 | No | |
| | | 9840002118161 | June-23 | 6,900 | 6,900 | | \$4.00 | \$31.55 | 80% | \$4.12 | \$51.20 | \$19.12 | \$1.00 | | \$110.99 | | | |
| | | | June-22 | 5,900 | 5,900 | | \$4.00 | \$23.54 | 80% | \$4.08 | \$40.47 | \$18.23 | \$1.00 | | \$91.32 | \$19.67 | Yes | |
| | 528002075001 | June-23 | 2,000 | 2,000 | | \$4.00 | \$8.64 | 80% | \$4.12 | \$14.84 | \$19.12 | \$1.00 | | \$51.72 | | | | |
| | | June-22 | 2,700 | 2,700 | | \$4.00 | \$10.77 | 80% | \$4.08 | \$18.52 | \$18.23 | \$1.00 | | \$56.60 | -\$4.88 | No | | |

**Fixed-Based Read
Random Account Data**

| Cycle | Account No. | Month | Water Usage | Sewer Usage | Irrigation Usage | Water1 Min Charge | Water1 Consumption | Sewer Category | Sewer Min Charge | Sewer Consumption | Garbage | Safe Drinking Water | Irrg1 Min Charge | Irrg1 Consumption | Total | Difference | Jumped Categories | |
|-------|----------------|---------------|-------------|-------------|------------------|-------------------|--------------------|----------------|------------------|-------------------|----------|---------------------|------------------|-------------------|----------|------------|-------------------|-----|
| 6 | 98740002112337 | June-23 | 19,400 | 19,400 | | \$4.00 | \$125.60 | 80% | \$4.12 | \$143.95 | \$19.12 | \$1.00 | | | \$297.79 | | | |
| | | June-22 | 16,200 | 16,200 | | \$4.00 | \$92.61 | 80% | \$4.08 | \$111.13 | \$18.23 | \$1.00 | | | \$231.05 | \$66.74 | No | |
| | 637005275001 | June-23 | 10,000 | 10,000 | | \$4.00 | \$50.96 | 80% | \$4.12 | \$74.20 | \$19.12 | \$1.00 | | | \$153.40 | | | |
| | | June-22 | 11,100 | 11,100 | | \$4.00 | \$55.17 | 80% | \$4.08 | \$76.15 | \$18.23 | \$1.00 | | | \$158.63 | -\$5.23 | No | |
| | 651010300001 | June-23 | 5,200 | 5,200 | | \$4.00 | \$22.46 | 80% | \$4.12 | \$38.58 | \$19.12 | \$1.00 | | | \$89.28 | | | |
| | | June-22 | 3,800 | 3,800 | | \$4.00 | \$15.16 | 80% | \$4.08 | \$26.07 | \$18.23 | \$1.00 | | | \$68.54 | \$20.74 | No | |
| | 635002150003 | June-23 | 4,500 | 4,500 | | \$4.00 | \$19.44 | 80% | \$4.12 | \$33.39 | \$19.12 | \$1.00 | | | \$81.07 | | | |
| | | June-22 | 4,100 | 4,100 | | \$4.00 | \$16.36 | 80% | \$4.08 | \$28.13 | \$18.23 | \$1.00 | | | \$71.80 | \$9.27 | No | |
| | 9840002125392 | June-23 | 5,200 | 5,200 | | \$4.00 | \$22.46 | 80% | \$4.12 | \$38.58 | \$19.12 | \$1.00 | | | \$89.28 | | | |
| | | June-22 | 4,900 | 4,900 | | \$4.00 | \$19.55 | 80% | \$4.08 | \$33.61 | \$18.23 | \$1.00 | | | \$80.47 | \$8.81 | No | |
| 7 | | 741005550001 | June-23 | 3,700 | 3,700 | | \$4.00 | \$15.98 | 80% | \$4.12 | \$27.45 | \$19.12 | \$1.00 | | | \$71.67 | | |
| | | | June-22 | 4,800 | 4,800 | | \$4.00 | \$19.15 | 80% | \$4.08 | \$32.93 | \$18.23 | \$1.00 | | | \$79.39 | -\$7.72 | No |
| | | 751003450002 | June-23 | 22,600 | 22,600 | | \$4.00 | \$151.00 | 80% | \$4.12 | \$167.69 | \$19.12 | \$1.00 | | | \$346.93 | | |
| | | | June-22 | 17,800 | 17,800 | | \$4.00 | \$104.35 | 80% | \$4.08 | \$122.11 | \$18.23 | \$1.00 | | | \$253.77 | \$93.16 | No |
| | | 715000090001 | June-23 | 4,300 | 4,300 | | \$4.00 | \$18.58 | 80% | \$4.12 | \$31.91 | \$19.12 | \$1.00 | | | \$78.73 | | |
| | | | June-22 | 3,300 | 3,300 | | \$4.00 | \$13.17 | 80% | \$4.08 | \$22.64 | \$18.23 | \$1.00 | | | \$63.12 | \$15.61 | No |
| | | 9840002124475 | June-23 | 3,600 | 3,600 | | \$4.00 | \$15.55 | 80% | \$4.12 | \$26.71 | \$19.12 | \$1.00 | | | \$70.50 | | |
| | | | June-22 | 3,900 | 3,900 | | \$4.00 | \$15.56 | 80% | \$4.08 | \$26.75 | \$18.23 | \$1.00 | | | \$69.62 | \$0.88 | No |
| | 9840002116391 | June-23 | 4,900 | 4,900 | | \$4.00 | \$21.17 | 80% | \$4.12 | \$36.36 | \$19.12 | \$1.00 | | | \$85.77 | | | |
| | | June-22 | 2,000 | 2,000 | | \$4.00 | \$7.98 | 80% | \$4.08 | \$13.72 | \$18.23 | \$1.00 | | | \$49.01 | \$36.76 | No | |
| 8 | | 9840002100069 | June-23 | 5,500 | 5,500 | | \$4.00 | \$23.76 | 80% | \$4.12 | \$40.81 | \$19.12 | \$1.00 | | | \$92.81 | | |
| | | | June-22 | 6,200 | 6,200 | | \$4.00 | \$25.10 | 80% | \$4.08 | \$42.53 | \$18.23 | \$1.00 | | | \$94.94 | -\$2.13 | No |
| | | 848001050001 | June-23 | 9,300 | 9,300 | | \$4.00 | \$46.58 | 80% | \$4.12 | \$69.01 | \$19.12 | \$1.00 | | | \$143.83 | | |
| | | | June-22 | 1,400 | 1,400 | | \$4.00 | \$5.59 | 80% | \$4.08 | \$9.60 | \$18.23 | \$1.00 | | | \$42.50 | \$101.33 | Yes |
| | | 883003975001 | June-23 | 2,600 | 2,600 | 1,500 | \$4.00 | \$11.23 | 90% | \$4.12 | \$21.68 | \$19.12 | \$2.00 | \$2.00 | \$6.48 | \$70.63 | | |
| | | | June-22 | 1,400 | 1,400 | 400 | \$4.00 | \$5.59 | 90% | \$4.08 | \$10.79 | \$18.23 | \$2.00 | \$2.00 | \$1.60 | \$48.29 | \$22.34 | No |
| | | 854007450001 | June-23 | 5,900 | 5,900 | | \$4.00 | \$25.49 | 80% | \$4.12 | \$43.78 | \$19.12 | \$1.00 | | | \$97.51 | | |
| | | | June-22 | 7,600 | 7,600 | | \$4.00 | \$33.20 | 80% | \$4.08 | \$52.14 | \$18.23 | \$1.00 | | | \$112.65 | -\$15.14 | No |
| | 886007350002 | June-23 | 2,700 | 2,700 | | \$4.00 | \$11.66 | 80% | \$4.12 | \$20.03 | \$19.12 | \$1.00 | | | \$59.93 | | | |
| | | June-22 | 4,200 | 4,200 | | \$4.00 | \$16.76 | 80% | \$4.08 | \$28.81 | \$18.23 | \$1.00 | | | \$72.88 | -\$12.95 | No | |

Appendix B

Bill Registers for Last 12 Months



107 West Woodlawn Ranch Road
Houma, Louisiana 70363

www.ascellc.com

(985) 537-8893

Bill Register Totals and Averages

| Average Monthly Summer Totals | | |
|-------------------------------|---------------|--------|
| Consumption | Sales | Accts |
| 91,635,517 | \$ 505,054.53 | 19,936 |
| 31,003,333 | \$ 222,297.73 | 1,642 |
| 63,510,567 | \$ 478,317.73 | 117 |
| 0 | \$ 2.00 | 1 |

| Average Monthly Summer Totals Per Acct | |
|--|-------------|
| Consumption | Sales |
| 4,596 | \$ 25.33 |
| 18,878 | \$ 135.35 |
| 543,600 | \$ 4,094.02 |
| 0 | \$ 2.00 |

| Average Monthly Winter Totals | | |
|-------------------------------|---------------|--------|
| Consumption | Sales | Accts |
| 82,596,650 | \$ 460,859.43 | 19,981 |
| 26,367,300 | \$ 192,004.34 | 1,638 |
| 60,237,417 | \$ 462,080.00 | 117 |
| 0 | \$ 2.00 | 1 |

| Average Monthly Winter Totals Per Acct | |
|--|-------------|
| Consumption | Sales |
| 4,134 | \$ 23.06 |
| 16,097 | \$ 117.22 |
| 516,321 | \$ 3,960.69 |
| 0 | \$ 2.00 |

| Difference in Average Monthly Totals | | |
|--------------------------------------|--------------|-------|
| Consumption | Sales | Accts |
| 9,038,867 | \$ 44,195.10 | -45 |
| 4,636,033 | \$ 30,293.40 | 4 |
| 3,273,150 | \$ 16,237.73 | 0 |
| 0 | \$ - | 0 |

| Difference in Average Monthly Per Acct | |
|--|-----------|
| Consumption | Sales |
| 462 | \$ 2.27 |
| 2,781 | \$ 18.13 |
| 27,279 | \$ 133.33 |
| | |

Appendix C

Results from Meter Accuracy Tests



107 West Woodlawn Ranch Road
Houma, Louisiana 70363
www.ascellc.com
(985) 537-8893

**Individual Results for
Meter Accuracy Tests**

| Meter Type | Year | Cycle | Size | Low % Accuracy | Med % Accuracy | High % Accuracy | Average Weighted Avg |
|----------------------|------|-------|------|----------------|----------------|-----------------|----------------------|
| Manual-Read | 1993 | 1 | 3/4 | 0% | 74% | 92% | 65.00% |
| | 2000 | 2 | 3/4 | 74% | 99% | 99% | 95.00% |
| | 1952 | 4 | 3/4 | 0% | 80% | 92% | 69.00% |
| | 2000 | 6 | 3/4 | 0% | 86% | 89% | 73.00% |
| | 1992 | 7 | 3/4 | 0% | 99% | 98% | 84.00% |
| | 1992 | 8 | 3/4 | 0% | 86% | 90% | 73.00% |
| AMR (Drive-By) | 2014 | 1 | 3/4 | 94% | 98% | 101% | 97.90% |
| | 2013 | 2 | 3/4 | 97% | 101% | 100% | 100.30% |
| | 2014 | 3 | 3/4 | 93% | 101% | 100% | 99.70% |
| | 2017 | 4 | 3/4 | 97% | 100% | 100% | 99.60% |
| | 2012 | 5 | 1 | 94% | 98% | 99% | 97.60% |
| | 2014 | 6 | 1 | 95% | 97% | 98% | 96.90% |
| | 2013 | 7 | 1 | 96% | 99% | 98% | 98.40% |
| | 2010 | 8 | 1 | 99% | 101% | 101% | 100.70% |
| AMI (Fixed-Based) | 2022 | 1 | 3/4 | 100% | 100% | 99% | 99.90% |
| | 2022 | 2 | 3/4 | 100% | 101% | 100% | 100.90% |
| | 2022 | 3 | 3/4 | 100% | 100% | 100% | 100.00% |
| | 2021 | 3 | 3/4 | 100% | 101% | 100% | 100.70% |
| | 2021 | 3 | 1 | 101% | 100% | 101% | 100.30% |
| | 2018 | 4 | 1 | 100% | 100% | 98% | 99.70% |
| | 2019 | 5 | 3/4 | 100% | 100% | 100% | 100.00% |
| | 2020 | 6 | 1 | 100% | 100% | 97% | 99.60% |
| | 2023 | 7 | 3/4 | 100% | 100% | 100% | 100.00% |
| | 2019 | 8 | 3/4 | 100% | 101% | 101% | 100.90% |