

ORDINANCE NO. 2020-20

AN ORDINANCE OF THE CITY OF JERSEY VILLAGE, TEXAS; ADOPTING THE WATER AND WASTEWATER RATE CALCULATION METHODS RECOMMENDED BY JONES | CARTER AND RAFTELIS; AMENDING THE CODE OF ORDINANCES OF THE CITY OF JERSEY VILLAGE, TEXAS, CHAPTER 70, UTILITIES, BY AMENDING CERTAIN ARTICLES AND SECTIONS OF CHAPTER 70 TO PROVIDE FOR AMENDMENTS TO WATER AND WASTEWATER RATE SCHEDULES; PROVIDING A SEVERABILITY CLAUSE; PROVIDING FOR REPEAL; PROVIDING A PENALTY AS PROVIDED BY SECTION 1-8 OF THE CODE; AND PROVIDING AN EFFECTIVE DATE.

* * * * *

WHEREAS, Jones | Carter and Raftelis have conducted a Water and Wastewater Rate and Financial Planning Study for the City; and

WHEREAS, the study found that the Utility Fund appears to be in sound shape, and will be able to meet operating and capital requirements for the next five years with modest rate changes for water and wastewater customers; and

WHEREAS, the consultants have recommended water rate adjustments based upon a three percent annual revenue adjustment and wastewater rate adjustments based upon four percent annual revenue adjustment; and

WHEREAS, there is a need to distribute the cost of water and wastewater equitably between residential, commercial, and municipal users; and

WHEREAS, in order to enhance the long-term viability of the Utility Fund, it is Council’s desire to adopt the rate calculation methods recommended by Jones | Carter and Raftelis in their Final Report attached hereto as Exhibit “A;” and

WHEREAS, certain amendments to Articles and Sections of Chapter 70 of the Code of Ordinances of the City of Jersey Village, Texas are necessary to implement Jones | Carter and Raftelis’ recommendations; **NOW THEREFORE**,

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF JERSEY VILLAGE, TEXAS THAT:

Section 1. The water and wastewater rate calculation methods recommended by Jones | Carter in their Final Report, attached hereto as Exhibit A, are hereby adopted.

Section 2. Chapter 70, Article II is hereby amended by adding the language underlined and by deleting the language struck through, as set out in the attached Exhibit “B.”

Section 3. **Severability.** In the event any section, paragraph, subdivision, clause, phrase,

provision, sentence, or part of this Ordinance or the application of the same to any person or circumstance shall for any reason be adjudged invalid or held unconstitutional by a court of competent jurisdiction, it shall not affect, impair, or invalidate this Ordinance as a whole or any part or provision hereof other than the part declared to be invalid or unconstitutional; and the City Council of the City of Jersey Village, declares that it would have passed each and every part of the same notwithstanding the omission of any such part thus declared to be invalid or unconstitutional, or whether there be one or more parts.

Section 4. **Repeal.** All other ordinances or parts of ordinances in conflict or inconsistent herewith are, to the extent of such conflict or inconsistency, hereby repealed.

Section 5. **Penalty.** Any person who shall violate any provision of this Ordinance shall be guilty of a misdemeanor and subject to a fine as provided in Section 1-8.

Section 6. **Effective Date.** This ordinance shall be in full force and effect from and after its passage.

PASSED, APPROVED, AND ADOPTED this **17th** day of **August, 2020**.

s/Andrew Mitcham, Mayor

ATTEST:

s/Lorri Coody, City Secretary



City of Jersey Village

2020-2021 Financial Planning and Rate Study Report

Report / August 11, 2020





August 11, 2020

Austin Bless
Jersey Village City Manager
16327 Lakeview Dr.
Jersey Village, TX 77040

Subject: City of Jersey Village Financial Planning and Rate Study Report

Dear Mr. Bless,

Raftelis Inc. (Raftelis) is pleased to provide this Financial Planning and Rate Study Report for the City of Jersey Village. The financial planning model considered the FY 2020 budget and the City's most recent 10-year Capital Improvements Plan. The model forecast includes costs for a 5-year study period and defines the amount of revenue needed for the utility.

The following report summarizes the key findings and recommendations related to the development of the financial plan and update of rates. The model can be updated annually by the City to determine the impact of the latest budget. Our staff will be available to help review any changes made by the City to ensure complete accuracy of the updates.

It has been a pleasure working with you, and we thank you and the City staff for the support provided during the course of this Study.

Sincerely,

A handwritten signature in cursive script that reads "Angie Flores".

Angie Flores
Senior Manager

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1. Executive Summary

1.1. Introduction

The City of Jersey Village (City) is a city of around 8,000 people northwest of Houston. The City serves roughly 3,300 water customers and roughly 2,400 wastewater customers, inside and outside the city limits. While the City must have enough well capacity for guaranteed supply for the existing system, the City intends to operate on nearly 100% surface water from the City of Houston. The City is part of the North Harris County Regional Water Authority's (Water Authority) Groundwater Reduction Plan and therefore is required to pay a fee for every 1,000 gallons of groundwater pumped. Based on these operations, the City contractually has enough surface water to meet the average day flows but would be using more than the maximum contractual amount for any usage above average day flows.

For wastewater, the City is also a partner in the White Oak Bayou Wastewater Treatment Plant (WWTP) Joint Powers, along with West Harris County Municipal Utility District (MUD) No. 1, Harris County MUD No. 25, Windfern Forest Utility District and Baker Oil Tools. Collectively the partners own the White Oak Bayou WWTP, which has a permitted effluent flow of 2.0 million gallons per day (MGD) and a peak flow of 5,556 gallons per minute (gpm). The City owns 40.63% of the WWTP and is billed accordingly for any improvement projects at the plant. The City is also billed monthly based on the percentage contributed of the total flow per month to the WWTP.

1.2. Rate Study Objectives

The City retained Raftelis in March 2020 to complete a water and wastewater financial plan and rate study. In addition, the City also requested a customized rate model for their use in annual updates. Raftelis completed this study with assistance from Jones Carter, the City's engineer of record.

When Raftelis was engaged it was tasked to:

- Develop a 10-year water and wastewater financial plan to ensure that the City maintains the health of its utilities;
- Update the City's rates to reflect annual revenue adjustments and recover the cost to provide service;
- Develop a funding profile for capital projects which minimize the impact to customers and financial risk to the utility; and
- Provide recommendations on changes to their existing rate structures.

The key outcomes of the study included:

- Rate increases are needed in the 5-year forecast period to provide for the cash-funding of capital;
- Outside-City-Limit (OCL) rates should not be increased in the 5-year forecast period;
- Impact Fee balances can be used to fund capital projects in the 5-year forecast period; and
- Operating reserve targets will be met throughout the 5-year forecast period based on the proposed rate increases.

1.3. Summary Results

Combined Utility

Raftelis considered the City’s system as a combined utility, but also allocated costs between water and wastewater. This process is described in more detail further in this report. Rate revenue should be sufficient to meet annual operating expenses, fund capital improvement projects, debt service and meet debt service coverage and reserve requirements. Raftelis recommends the following revenue adjustments for the 5-year study period. The proposed rate increases sufficiently fund the annual revenue requirements.

Table 1 Combined Utility Cash Flow

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Cash Flow Summary					
Beginning Balance	\$3,788,929	\$4,375,338	\$2,798,341	\$2,959,218	\$1,664,476
Sources of Funds					
Rate Revenue	\$4,600,313	\$4,702,630	\$4,808,075	\$4,916,917	\$5,027,919
Other Income	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
Total Sources of Funds	\$4,750,313	\$4,852,630	\$4,958,075	\$5,066,917	\$5,177,919
Uses of Funds					
Operation and Maintenance Expense	\$4,063,904	\$4,149,627	\$4,237,198	\$4,326,658	\$4,418,049
Capital Expenditures	\$100,000	\$2,280,000	\$560,000	\$2,035,000	\$460,000
Total Uses of Funds	\$4,163,904	\$6,429,627	\$4,797,198	\$6,361,658	\$4,878,049
Ending Balance					
Target Reserve	\$1,015,976	\$1,037,407	\$1,059,300	\$1,081,665	\$1,104,512
Annual Rate Adjustments					
Monthly Base Fee [1]	8.7%	0.0%	0.0%	0.0%	0.0%
Volumetric Rate	3.0%	3.0%	3.0%	3.0%	3.0%
Outside City Rates	0.0%	0.0%	0.0%	0.0%	0.0%

[1] Applies to the residential, commercial, and irrigation classes.

It is recommended that the financial plan be updated annually to reflect the most current financial information.

1.4. Reliance on City-Provided Data

During this project, the City (and/or its representatives) provided Raftelis with a variety of technical information, including cost and revenue data. Raftelis has relied on this data in the formulation of our findings and subsequent recommendations, as well as in the preparation of this report. Some of the assumptions used in this report will not be realized, and unanticipated events and circumstances may occur. Therefore, there are likely to be differences between the data or results projected in this report and actual results achieved, and those differences may be material. It is recommended that the City update the utility financial plans annually to reflect current estimates of revenue, operating expenses, capital improvement needs, and maintenance of reserve targets, and to determine whether the projected increases are still appropriate.

2. Water Financial Plan and Rate Design

2.1. Introduction

The City tracks water and wastewater financial activities as a combined enterprise fund. For the purposes of this study, Raftelis developed separate cash flows for each utility. This separation of cash flow allows for ensuring that annual water rate revenues adequately recover water revenue requirements and wastewater revenues meet wastewater revenue requirements. Revenue requirements include operation and maintenance expenses, debt service, capital expenditures, reserve targets and debt service coverage.

2.2. Assumptions

Raftelis used the following assumptions in developing the water financial plan cash flow. Changes in these assumptions could materially affect the outcome of the analysis. With the exception of Salaries, Wages and Benefits which were increased 3% for the study period, expenses were increased by 3% in FY 2021 and 2% for the remainder of the study period.

2.3. Sources of Funds

Sources of funds include unrestricted beginning balances carried over from previous years, rate revenue, and miscellaneous revenue. Rate revenue projections consist of monthly base fees and volume charges. These revenue projections are based on a detailed analysis of historical accounts and consumption by customer class. Growth projections were provided by Jones Carter and are estimated to remain flat. This assumption was considered in order to be conservative since growth has been minimal historically. Revenue under existing rates averages about \$4.5 million annually. Miscellaneous revenue includes Water Authority fees, credit card fees, interest income on fund balances, penalties and other miscellaneous sources. Miscellaneous revenue is projected to average \$86,000 annually through the study period. The City also collects impact fees and uses them to cash-fund capital projects. The impact fees have been excluded from the cashflow and are accounted for in the model separately.

2.4. Revenue Requirements

Revenue requirements include cash funded capital and O&M expenses. Raftelis worked with staff to determine the portions of the O&M budget related to water and the portion related to wastewater. Most O&M items are allocated at a 50% split between water and wastewater. O&M expenses are allocated entirely to water if applicable. O&M expense averages \$2.8 million over the study period, including inflation.

The capital plan totals \$2.175 million over the study period. This plan was developed by Jones Carter based on their analysis of future system needs. Some examples of projects are upgrades and improvements to the City treatment plants, line replacement, and well rehabilitation. Some of the projects are impact fee eligible projects and are funded with impact fees.

2.5. Target Reserves

The City is required by policy to maintain a target operating reserve level equal to 90 days operation and maintenance expense. This level of reserves is commonly used in the industry and is usually sufficient to meet the variability in cash flow over the course of a year. The model assumes that this target is maintained throughout the 5-year forecast period.

2.6. Indicated Revenue Adjustments

Revenue from rates should be sufficient to meet annual revenue requirements which include operation and maintenance expenses, rate-funded capital, payments on existing and proposed debt service, debt service coverage and target reserves. A one-time adjust of 8.7% to the monthly base fee is proposed in FY 2021 and equal annual increases to the volumetric rate of 3% in FY 2021 through FY 2025.

Table 2 Water Utility Cash Flow

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Cash Flow Summary					
Beginning Balance	\$2,066,334	\$2,431,846	\$1,696,244	\$1,634,882	\$728,134
Sources of Funds					
Rate Revenue	\$2,951,899	\$3,021,847	\$3,093,951	\$3,168,452	\$3,244,084
Other Income	\$82,500	\$82,500	\$82,500	\$82,500	\$82,500
Total Sources of Funds	\$3,034,399	\$3,104,347	\$3,176,451	\$3,250,952	\$3,326,584
Uses of Funds					
Operation and Maintenance Expense	\$2,713,503	\$2,770,741	\$2,829,213	\$2,888,946	\$2,949,968
Capital Expenditures	\$100,000	\$1,175,000	\$125,000	\$750,000	\$25,000
Total Uses of Funds	\$2,813,503	\$3,945,741	\$2,954,213	\$3,638,946	\$2,974,968
Ending Balance	\$1,943,492	\$1,102,098	\$1,324,336	\$936,342	\$1,287,957
Target Reserve	\$678,376	\$692,685	\$707,303	\$722,237	\$737,492
Annual Rate Adjustments					
Monthly Base Fee [1]	8.7%	0.0%	0.0%	0.0%	0.0%
Volumetric Rate	3.0%	3.0%	3.0%	3.0%	3.0%
Outside City Rates	0.0%	0.0%	0.0%	0.0%	0.0%

[1] Applies to the residential, commercial, and irrigation classes.

2.7. Rate Design

In considering the City’s current rates, the City’s classes and rate structures are typical of the industry. All rate classes have a minimum charge. The residential class and residential sprinkler rate have an inclining block volumetric charge. The commercial rate class has a uniform rate that is also typical of the industry. The City has a sprinkler rate specifically for commercial customers that have a uniform rate. Raftelis is not recommending any changes to these rate structures at this time. In the future, the City may consider an inclining block rate for commercial sprinkler rate.

2.8. Outside City Rates

The City requested Raftelis to review the current outside City rate differential and provide recommendation on possible changes. Outside City rate differentials or multipliers are often determined in several ways: through a costing analysis which identifies costs that are specific to serving customers outside the jurisdictional limits, a analysis using a rate of return on invested facilities servicing customers outside the City and policy driven. Outside City multipliers typically range from 0% to 200% of inside City rates. The average is 125% for both the fixed charge and the volumetric rates. The City's current differential for the monthly base fee is 8.48 times greater than inside City. This level of differential is outside what is typical in the industry and within the state. Within Texas we typically see 125% to 150%, although recently, with an increase in rate appeals these differentials have been challenged. The outside City volumetric rate is 1.42 times greater than the inside City rate. Raftelis recommends that the outside city limit rate not be increased until an actual cost of service analysis is completed to determine the appropriate amount of the differential.

3. Wastewater Financial Plan and Rate Design

3.1. Introduction

The City tracks water and wastewater financial activities as a combined enterprise fund. For the purposes of this study, Raftelis developed separate cash flows for each utility. This separation of cash flow allows for ensuring that annual water rate revenues adequately recover water revenue requirements and wastewater revenues meet wastewater revenue requirements. Revenue requirements include operation and maintenance expenses, debt service, capital expenditures, reserve targets and debt service coverage.

3.2. Assumptions

Raftelis used the following assumptions in developing the wastewater financial plan cash flow. Changes in these assumptions could materially affect the outcome of the analysis. With the exception of Salaries, Wages and Benefits which were increased 3% for the study period, expenses were increased by 3% in FY 2021 and 2% for the remainder of the study period.

3.3. Sources of Funds

Sources of funds include unrestricted beginning balances carried over from previous years, rate revenue, and miscellaneous revenue. Rate revenue projections consist of monthly base fees and volume charges. These revenue projections are based on a detailed analysis of historical accounts and consumption by customer class. Growth projections were provided by Jones Carter and are estimated to remain flat. This assumption was considered in order to be conservative since growth has been minimal historically. Revenue under existing rates averages about \$1.6 million annually. Miscellaneous revenue includes credit card fees, interest income on fund balances, penalties and other miscellaneous sources. Miscellaneous revenue is projected to average \$68,000 annually through the study period. The City also collects impact fees and uses them to cash-fund capital projects. The impact fees have been excluded from the cashflow and are accounted for in the model separately.

3.4. Revenue Requirements

Revenue requirements include cash funded capital and O&M expenses. Raftelis worked with staff to determine the portions of the O&M budget related to water and the portion related to wastewater. Most O&M items are allocated at a 50% split between water and wastewater. O&M expenses are allocated entirely to wastewater, if applicable. O&M expense averages \$1.4 million over the study period, including inflation.

The capital plan totals \$3.26 million over the study period. This plan was developed by Jones Carter based on their analysis of future system needs. Some examples of projects are upgrades and improvements to the City wastewater treatment plant, lift station repair, and line maintenance. The capital plan also includes impact fee eligible projects that are cash-funded with impact fees.

3.5. Target Reserves

The City is required by policy to maintain a target operating reserve level equal to 90 days operation and maintenance expense. This level of reserves is commonly used in the industry and is usually sufficient to meet the variability in cash flow over the course of a year. The model assumes that this target is maintained throughout the 5-year forecast period.

3.6. Indicated Revenue Adjustments

Revenue requirements include cash-funded capital and O&M expenses. The cash-funded capital is derived from the capital plan and the O&M expenses are sourced from the budget. The 2020 O&M Budget is the most up to date budget at the time of the study. In 2021 the O&M expenses are assumed to be \$1.35 million.

The capital plan Raftelis used was created by the City and Jones Carter. The plan contains new projects and rehabilitation of existing assets.

Table 3 Wastewater Utility Cash Flow

	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Cash Flow Summary					
Beginning Balance	\$2,066,334	\$2,431,846	\$1,696,244	\$1,634,882	\$728,134
Sources of Funds					
Rate Revenue	\$1,648,414	\$1,680,783	\$1,714,124	\$1,748,464	\$1,783,835
Other Income	\$67,500	\$67,500	\$67,500	\$67,500	\$67,500
Total Sources of Funds	\$1,715,914	\$1,748,283	\$1,781,624	\$1,815,964	\$1,851,335
Uses of Funds					
Operation and Maintenance Expense	\$1,350,401	\$1,378,886	\$1,407,985	\$1,437,712	\$1,468,080
Capital Expenditures	\$0	\$1,105,000	\$435,000	\$1,285,000	\$435,000
Total Uses of Funds	\$1,350,401	\$2,483,886	\$1,842,985	\$2,722,712	\$1,903,080
Ending Balance	\$2,431,846	\$1,696,244	\$1,634,882	\$728,134	\$676,389
<i>Target Reserve</i>	\$337,600	\$344,722	\$351,996	\$359,428	\$367,020

Annual Rate Adjustments

Monthly Base Fee [1]	8.7%	0.0%	0.0%	0.0%	0.0%
Volumetric Rate	3.0%	3.0%	3.0%	3.0%	3.0%
Outside City Rates	0.0%	0.0%	0.0%	0.0%	0.0%

[1] Applies to the residential and commercial classes.

3.7. Rate Design

In considering the City’s current rates, the City’s classes and rate structures are typical of the industry. All rate classes have a minimum charge. The residential class has a two-block rate structure with a uniform rate structure above 3,000 gallons. The residential class is based on a winter average of water consumption from November through February. The commercial rate class is a uniform rate based on water usage which is also typical of the industry.

3.8. Outside City Rates

The Utility does not currently serve any outside sewer customers. If the Utility ever serves any outside customers, it is recommended that a cost of service study be considered for the outside rates. The City’s current differential for the monthly base fee is 16.2 times greater than inside City. This level of differential is outside what is typical in the industry and within the state. Within Texas we typically see 125% to 150%, although recently, with an increase in rate appeals these differentials have been challenged. The outside City volumetric rate is 2.23 times greater than the inside City rate.

4. Customer Impacts

4.1. Residential Bill

During the course of the study Raftelis calculated that the average residential customer uses roughly 6,000 gallons of water and 5,000 gallons of wastewater. The difference is due to the winter average used to calculate wastewater bills. Raftelis used the average usages to calculate a typical water and wastewater bill. To illustrate the proposed impacts for the 5-year forecast period on residential customers Raftelis created the below graphs. The wastewater consumption represents the

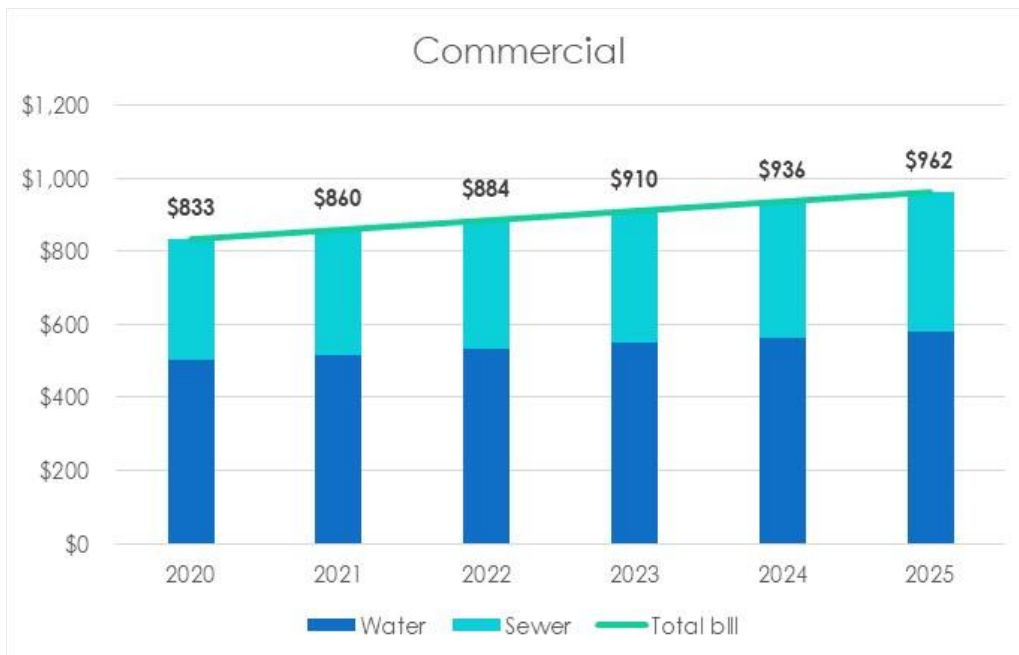
Figure 1 Residential Bill



4.2. Commercial Bill

The average commercial customer uses roughly 66,000 gallons of water and 64,000 gallons of wastewater. Raftelis used this average usage to calculate a typical water and wastewater bill for a commercial customer. To illustrate the proposed impacts for the 5-year forecast period on commercial customers, Raftelis created the graph below.

Figure 2 Commercial Bill



APPENDIX A:
Financial Plan

Figure 3 Water Financial Plan With No Rate Increases

Click to return to index	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Water Revenues						
User Charge Revenue						
Minimum Charge	\$ 567,204	\$ 566,654	\$ 566,654	\$ 566,654	\$ 566,654	\$ 566,654
Volumetric Charge	\$ 2,268,870	\$ 2,268,870	\$ 2,268,870	\$ 2,268,870	\$ 2,268,870	\$ 2,268,870
Water Miscellaneous Revenue	\$ 82,500	\$ 82,500	\$ 82,500	\$ 82,500	\$ 82,500	\$ 82,500
Total: Revenues	\$ 2,918,573	\$ 2,918,023	\$ 2,918,023	\$ 2,918,023	\$ 2,918,023	\$ 2,918,023
Revenue Requirements						
Operating Expenditures	\$ 2,634,469	\$ 2,713,503	\$ 2,770,741	\$ 2,829,213	\$ 2,888,946	\$ 2,949,968
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash-Fund	\$ 1,200,000	\$ 100,000	\$ 1,175,000	\$ 125,000	\$ 750,000	\$ 25,000
Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total: Revenue Requirements	\$ 3,834,469	\$ 2,813,503	\$ 3,945,741	\$ 2,954,213	\$ 3,638,946	\$ 2,974,968
Current Revenue Surplus/(Deficit)	\$ (915,896)	\$ 104,520	\$ (1,027,718)	\$ (36,190)	\$ (720,923)	\$ (56,945)

Figure 4 Wastewater Financial Plan With No Rate Increases

Click to return to index	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
Sewer Revenues						
User Charge Revenue						
Minimum Charge	\$ 523,863	\$ 523,863	\$ 523,863	\$ 523,863	\$ 523,863	\$ 523,863
Volumetric Charge	\$ 1,047,548	\$ 1,047,548	\$ 1,047,548	\$ 1,047,548	\$ 1,047,548	\$ 1,047,548
Sewer Miscellaneous Revenue	\$ 67,500	\$ 67,500	\$ 67,500	\$ 67,500	\$ 67,500	\$ 67,500
Total: Revenues	\$ 1,638,912	\$ 1,638,912	\$ 1,638,912	\$ 1,638,912	\$ 1,638,912	\$ 1,638,912
Revenue Requirements						
Operating Expenditures	\$ 1,311,069	\$ 1,350,401	\$ 1,378,886	\$ 1,407,985	\$ 1,437,712	\$ 1,468,080
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash-Fund	\$ 900,000	\$ -	\$ 1,105,000	\$ 435,000	\$ 1,285,000	\$ 435,000
Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total: Revenue Requirements	\$ 2,211,069	\$ 1,350,401	\$ 2,483,886	\$ 1,842,985	\$ 2,722,712	\$ 1,903,080
Current Revenue Surplus/(Deficit)	\$ (572,157)	\$ 288,510	\$ (844,975)	\$ (204,074)	\$ (1,083,801)	\$ (264,169)

Figure 5 Water Financial Plan With Rate Increases

Click to return to index	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
<u>Water Revenues</u>						
User Charge Revenue						
Minimum Charge	\$ 567,204	\$ 615,049	\$ 615,049	\$ 615,049	\$ 615,049	\$ 615,049
Volumetric Charge	\$ 2,268,870	\$ 2,336,850	\$ 2,406,798	\$ 2,478,902	\$ 2,553,403	\$ 2,629,035
Water Miscellaneous Revenue	\$ 82,500	\$ 82,500	\$ 82,500	\$ 82,500	\$ 82,500	\$ 82,500
Total: Revenues	\$ 2,918,573	\$ 3,034,399	\$ 3,104,347	\$ 3,176,451	\$ 3,250,952	\$ 3,326,584
<u>Revenue Requirements</u>						
Operating Expenditures	\$ 2,634,469	\$ 2,713,503	\$ 2,770,741	\$ 2,829,213	\$ 2,888,946	\$ 2,949,968
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash-Fund	\$ 1,200,000	\$ 100,000	\$ 1,175,000	\$ 125,000	\$ 750,000	\$ 25,000
Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total: Revenue Requirements	\$ 3,834,469	\$ 2,813,503	\$ 3,945,741	\$ 2,954,213	\$ 3,638,946	\$ 2,974,968
Current Revenue Surplus/(Deficit)	\$ (915,896)	\$ 220,896	\$ (841,394)	\$ 222,238	\$ (387,994)	\$ 351,616

Figure 6 Wastewater Financial Plan With Rate Increases

Click to return to index	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
<u>Sewer Revenues</u>						
User Charge Revenue						
Minimum Charge	\$ 523,863	\$ 569,440	\$ 569,440	\$ 569,440	\$ 569,440	\$ 569,440
Volumetric Charge	\$ 1,047,548	\$ 1,078,975	\$ 1,111,344	\$ 1,144,684	\$ 1,179,025	\$ 1,214,395
Sewer Miscellaneous Revenue	\$ 67,500	\$ 67,500	\$ 67,500	\$ 67,500	\$ 67,500	\$ 67,500
Total: Revenues	\$ 1,638,912	\$ 1,715,914	\$ 1,748,283	\$ 1,781,624	\$ 1,815,964	\$ 1,851,335
<u>Revenue Requirements</u>						
Operating Expenditures	\$ 1,311,069	\$ 1,350,401	\$ 1,378,886	\$ 1,407,985	\$ 1,437,712	\$ 1,468,080
Debt Service	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash-Fund	\$ 900,000	\$ -	\$ 1,105,000	\$ 435,000	\$ 1,285,000	\$ 435,000
Transfers	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total: Revenue Requirements	\$ 2,211,069	\$ 1,350,401	\$ 2,483,886	\$ 1,842,985	\$ 2,722,712	\$ 1,903,080
Current Revenue Surplus/(Deficit)	\$ (572,157)	\$ 365,513	\$ (735,603)	\$ (61,362)	\$ (906,748)	\$ (51,745)

APPENDIX B:
Rates

Figure 7 Water Inside Meter Rates

<u>Residential Meter Size</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
5/8" x 3/4"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
1"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
1 1/2"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
2"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
3"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
4"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
6"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
8"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50
10"	\$ 11.00	\$ 11.50	\$ 11.50	\$ 11.50

Residential Sprinkler Meter Size

5/8" x 3/4"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
1"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
1 1/2"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
2"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
3"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
4"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
6"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
8"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50
10"	\$ 11.50	\$ 11.50	\$ 11.50	\$ 11.50

Commercial

5/8" x 3/4"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
1"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
1 1/2"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
2"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
3"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
4"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
6"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
8"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
10"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00

Commercial Sprinkler

5/8" x 3/4"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
1"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
1 1/2"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
2"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
3"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
4"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
6"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
8"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00
10"	\$ 50.00	\$ 50.00	\$ 50.00	\$ 50.00

Figure 8 Water Outside Meter Rates

Commercial	FY 2017	FY 2018	FY 2019	FY 2020
5/8" x 3/4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1 1/2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
3"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
6"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
8"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
10"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00

Commercial Sprinkler

5/8" x 3/4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1 1/2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
3"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
6"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
8"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
10"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00

Figure 9 Water Inside Volumetric Rates

Residential	FY 2017	FY 2018	FY 2019	FY 2020
0-3,000 Gallons	\$ 4.08	\$ 4.31	\$ 4.55	\$ 4.55
3-6,000 Gallons	\$ 5.10	\$ 5.39	\$ 5.69	\$ 5.69
6-12,000 Gallons	\$ 6.23	\$ 6.58	\$ 6.95	\$ 6.95
12-25,000 Gallons	\$ 7.79	\$ 8.23	\$ 8.69	\$ 8.69
Over 25,000 Gallons	\$ 11.69	\$ 12.35	\$ 13.04	\$ 13.04

Residential Sprinkler

0-6,000 Gallons	\$ 6.23	\$ 6.58	\$ 6.95	\$ 6.95
6-19,000 Gallons	\$ 7.79	\$ 8.23	\$ 8.69	\$ 8.69
Over 19,000 Gallons	\$ 11.69	\$ 12.35	\$ 13.04	\$ 13.04

Commercial

All	\$ 6.77	\$ 7.10	\$ 7.44	\$ 7.44
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Commercial Sprinkler

All	\$ 6.36	\$ 6.48	\$ 6.60	\$ 6.60
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Figure 10 Water Outside Volumetric Rates

<u>Commercial</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
All	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60

<u>Commercial Sprinkler</u>				
Usage	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60

Figure 11 Wastewater Meter Rates

<u>Residential</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
5/8" x 3/4"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
1"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
1 1/2"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
2"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
3"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
4"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
6"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
8"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
10"	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90

<u>Commercial</u>				
5/8" x 3/4"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
1"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
1 1/2"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
2"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
3"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
4"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
6"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
8"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20
10"	\$ 26.20	\$ 26.20	\$ 26.20	\$ 26.20

Figure 12 Outside Wastewater Meter Rates

<u>Commercial</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
5/8" x 3/4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1 1/2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
3"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
6"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
8"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
10"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00

Figure 13 Wastewater Volumetric Rates

<u>Residential</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
First 3,000 Gallons	\$ 2.55	\$ 3.02	\$ 3.49	\$ 3.95
Over 3,000 Gallons	\$ 4.00	\$ 4.08	\$ 4.16	\$ 4.24

<u>Commercial</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>
All	\$ 4.60	\$ 4.65	\$ 4.70	\$ 4.75

Figure 14 Projected Water Base Rates

Residential Meter Size	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
5/8" x 3/4"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
1"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
1 1/2"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
2"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
3"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
4"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
6"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
8"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
10"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50

Residential Sprinkler Meter Size

5/8" x 3/4"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
1"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
1 1/2"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
2"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
3"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
4"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
6"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
8"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50
10"	\$ 11.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50	\$ 12.50

Commercial

5/8" x 3/4"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
1"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
1 1/2"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
2"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
3"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
4"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
6"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
8"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
10"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35

Commercial Sprinkler

5/8" x 3/4"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
1"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
1 1/2"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
2"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
3"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
4"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
6"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
8"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35
10"	\$ 50.00	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35	\$ 54.35

Figure 15 Projected Outside Water Base Rates

Commercial	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
5/8" x 3/4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1 1/2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
3"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
6"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
8"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
10"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00

Commercial Sprinkler

5/8" x 3/4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1 1/2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
3"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
6"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
8"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
10"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00

Figure 16 Projected Water Volumetric Rates

Residential	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
0-3,000 Gallons	\$ 4.55	\$ 4.69	\$ 4.83	\$ 4.97	\$ 5.12	\$ 5.27
3-6,000 Gallons	\$ 5.69	\$ 5.86	\$ 6.04	\$ 6.22	\$ 6.41	\$ 6.60
6-12,000 Gallons	\$ 6.95	\$ 7.16	\$ 7.37	\$ 7.59	\$ 7.82	\$ 8.05
12-25,000 Gallons	\$ 8.69	\$ 8.95	\$ 9.22	\$ 9.50	\$ 9.79	\$ 10.08
Over 25,000 Gallons	\$ 13.04	\$ 13.43	\$ 13.83	\$ 14.24	\$ 14.67	\$ 15.11

Residential Sprinkler

0-6,000 Gallons	\$ 6.95	\$ 7.16	\$ 7.37	\$ 7.59	\$ 7.82	\$ 8.05
6-19,000 Gallons	\$ 8.69	\$ 8.95	\$ 9.22	\$ 9.50	\$ 9.79	\$ 10.08
Over 19,000 Gallons	\$ 13.04	\$ 13.43	\$ 13.83	\$ 14.24	\$ 14.67	\$ 15.11

Commercial

All	\$ 7.44	\$ 7.66	\$ 7.89	\$ 8.13	\$ 8.37	\$ 8.62
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Commercial Sprinkler

All	\$ 6.60	\$ 6.80	\$ 7.00	\$ 7.21	\$ 7.43	\$ 7.65
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Figure 17 Projected Outside Water Volumetric Rates

Commercial	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
All	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60
Commercial Sprinkler Usage	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60

Figure 18 Projected Wastewater Base Rates

Residential	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025
5/8" x 3/4"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
1"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
1 1/2"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
2"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
3"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
4"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
6"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
8"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
10"	\$ 17.90	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
Commercial						
5/8" x 3/4"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
1"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
1 1/2"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
2"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
3"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
4"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
6"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
8"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
10"	\$ 26.20	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
Outside Commercial						
5/8" x 3/4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
1 1/2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
2"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
3"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
4"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
6"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
8"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00
10"	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00

Figure 19 Projected Wastewater Volumetric Rates

	<u>FY 2020</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u>
<u>Residential</u>						
First 3,000 Gallons	\$ 3.95	\$ 4.07	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.58
Over 3,000 Gallons	\$ 4.24	\$ 4.37	\$ 4.50	\$ 4.63	\$ 4.77	\$ 4.92
<u>Commercial</u>						
All	\$ 4.75	\$ 4.89	\$ 5.04	\$ 5.19	\$ 5.35	\$ 5.51
<u>Outside Commercial</u>						
All	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60	\$ 10.60

Secs. 70-8—70-75. - Reserved.

ARTICLE II. - SERVICE BILLS AND RATES

Sec. 70-76. - Deposits and basic monthly service charge generally.

- (a) *Deposits.* A deposit in accordance with the duly adopted schedule of fees must be paid to the city by the occupant of the residence or business establishment seeking water service before water service will be furnished. The deposit shall remain for as long as the water service is furnished to the premises.
- (b) *Basic monthly service charge generally.*
 - (1) Wherever meters are connected to the city's water distribution system, the basic monthly service charge called for in section 70-77 of this Code shall apply, regardless of whether or not any water is actually used or consumed and regardless of whether or not the premises to which connection is made have water service from another source. If more than one meter is used to serve the premises, the total charge for water service shall be computed as if each were connected to separate premises, meaning the basic monthly service charge shall be due for each meter.
 - (2) The basic monthly service charge called for in section 70-77 of this Code shall be in addition to and not credited against the charges made for installation of the meter and making connections as provided elsewhere in this Code.

(Code 1977, § 21-51; Ord. No. 2012-12, § 2(Exh. C), 4-16-12; Ord. No. 2013-06, § 1(Exh. A), 3-18-13)

Sec. 70-77. - Computation of water and wastewater bills; when due; disconnection for nonpayment.

- (a) Computations for water and wastewater bills (water bill) will be made every month on the twenty-fifth day thereof, or on the first working day thereafter and will be issued on the first day of the month, or on the first working day thereafter. The water bills will be placed in the U.S. mail addressed to the user, on or before the tenth day of the month following issuance, and will be due and payable on or before the twenty-fifth day of such month. If payments are not received by the city on or before the twenty-fifth day of the month, the user will incur an additional charge of ten percent of the unpaid balance. If a water bill remains unpaid after the twenty-fifth day of the month, the service will be disconnected; provided, however, that in no event will the city disconnect service without depositing notice of such disconnection in the U.S. mail, at least ten days prior to the date of disconnection. If the water service is disconnected, there shall be a \$50.00 reconnection fee charged in addition to the delinquent amount due. The water bill basic monthly service charge will continue to be charged against the property as long as the property is listed on the tax rolls in the owner's name unless disconnected at the request of the owner. The basic monthly service charge for new construction will be charged from the day the water meter is set. If usage is requested, billing shall be based on such usage in accordance with the provisions of this chapter.
 - (1) Effective October 1, ~~2016~~ 2020 and continuing through September 30, ~~2020~~ 2025, the following table reflects the basic monthly service charges for the various customer classes for water service:

Customer Class/Meter Size	Basic Monthly Service Charge
---------------------------	------------------------------

	2017 <u>FY21</u>	2018 <u>FY22</u>	2019 <u>FY23</u>	2020 <u>FY24</u>	<u>FY25</u>
	\$/bill	\$/bill	\$/bill	\$/bill	\$/bill
Residential	\$ 11.50 <u>\$12.50</u>	\$ 11.50 <u>\$12.50</u>	\$ 11.50 <u>\$12.50</u>	\$ 11.50 <u>\$12.50</u>	<u>\$12.50</u>
Residential sprinkler	11.50 <u>\$12.50</u>	11.50 <u>\$12.50</u>	11.50 <u>\$12.50</u>	11.50 <u>\$12.50</u>	<u>\$12.50</u>
Commercial	50.00 <u>\$54.35</u>	50.00 <u>\$54.35</u>	50.00 <u>\$54.35</u>	50.00 <u>\$54.35</u>	<u>\$54.35</u>
Commercial sprinkler	50.00 <u>\$54.35</u>	50.00 <u>\$54.35</u>	50.00 <u>\$54.35</u>	50.00 <u>\$54.35</u>	<u>\$54.35</u>
Commercial—Outside city	424.00	424.00	424.00	424.00	424.00
Commercial sprinkler—Outside city	424.00	424.00	424.00	424.00	424.00

(2) Effective October 1, ~~2016~~ 2020 and continuing through September 30, ~~2020~~ 2025, the following table reflects the rates for water service for the various customer classes:

Class	Water Rates Per 1,000 Gals Used			
	2017	2018	2019	2020
	\$/kgal	\$/kgal	\$/kgal	\$/kgal
Residential				
—First 3,000 gallons	\$ 4.08	\$ 4.31	\$ 4.55	\$ 4.55

-3,000 to 6,000 gallons	5.10	5.39	5.69	5.69
-6,000, to 12,000 gallons	6.23	6.58	6.95	6.95
-12,000 to 25,000 gallons	7.79	8.23	8.69	8.69
-Over 25,000 gallons	11.69	12.35	13.04	13.04
Residential Sprinkler				
-First 6,000 gallons	6.23	6.58	6.95	6.95
-6,000 to 19,000 gallons	7.79	8.23	8.69	8.69
-Over 19,000 gallons	11.69	12.35	13.04	13.04
Commercial				
-All	6.77	7.10	7.44	7.44
Commercial sprinkler				
-All	6.36	6.48	6.60	6.60
Commercial—Outside city				
-First 3,000 gallons	10.60	10.60	10.60	10.60
-Over 3,000 gallons	10.60	10.60	10.60	10.60
Commercial sprinkler—Outside city				
-First 3,000 gallons	10.60	10.60	10.60	10.60
-Over 3,000 gallons	10.60	10.60	10.60	10.60

<u>Class</u>	<u>Water Rates per 1,000 Gallons Used</u>				
	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>
<u>Residential</u>					
<u>0-3,000 Gallons</u>	<u>\$ 4.69</u>	<u>\$ 4.83</u>	<u>\$ 4.97</u>	<u>\$ 5.12</u>	<u>\$ 5.27</u>
<u>3-6,000 Gallons</u>	<u>\$ 5.86</u>	<u>\$ 6.04</u>	<u>\$ 6.22</u>	<u>\$ 6.41</u>	<u>\$ 6.60</u>
<u>6-12,000 Gallons</u>	<u>\$ 7.16</u>	<u>\$ 7.37</u>	<u>\$ 7.59</u>	<u>\$ 7.82</u>	<u>\$ 8.05</u>
<u>12-25,000 Gallons</u>	<u>\$ 8.95</u>	<u>\$ 9.22</u>	<u>\$ 9.50</u>	<u>\$ 9.79</u>	<u>\$ 10.08</u>
<u>Over 25,000 Gallons</u>	<u>\$ 13.43</u>	<u>\$ 13.83</u>	<u>\$ 14.24</u>	<u>\$ 14.67</u>	<u>\$ 15.11</u>
<u>Residential Sprinkler</u>	<u>FY21</u>	<u>FY22</u>	<u>FY23</u>	<u>FY24</u>	<u>FY25</u>
<u>0-6,000 Gallons</u>	<u>\$ 7.16</u>	<u>\$ 7.37</u>	<u>\$ 7.59</u>	<u>\$ 7.82</u>	<u>\$ 8.05</u>
<u>6-19,000 Gallons</u>	<u>\$ 8.95</u>	<u>\$ 9.22</u>	<u>\$ 9.50</u>	<u>\$ 9.79</u>	<u>\$ 10.08</u>
<u>Over 19,000 Gallons</u>	<u>\$ 13.43</u>	<u>\$ 13.83</u>	<u>\$ 14.24</u>	<u>\$ 14.67</u>	<u>\$ 15.11</u>
<u>Commercial</u>					
<u>All</u>	<u>\$ 7.66</u>	<u>\$ 7.89</u>	<u>\$ 8.13</u>	<u>\$ 8.37</u>	<u>\$ 8.62</u>
<u>Commercial Sprinkler</u>					
<u>All</u>	<u>\$ 6.80</u>	<u>\$ 7.00</u>	<u>\$ 7.21</u>	<u>\$ 7.43</u>	<u>\$ 7.65</u>
<u>Commercial—Outside city</u>					
<u>First 3,000 gallons</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>

<u>Over 3,000 gallons</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>
<u>Commercial sprinkler—Outside city</u>					
<u>First 3,000 gallons</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>
<u>Over 3,000 gallons</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>

- (3) Rates for wastewater service will be calculated upon average monthly water usage. Average monthly water usage for the purpose of determining charges for wastewater service shall be established for each user by averaging arithmetically the number of gallons of water used by each such user during each month of the period November through February immediately preceding the month in which such wastewater service is provided. The average monthly water usage of a user who was not a wastewater service user for the entire period of November through February immediately preceding the month in which such wastewater service is provided shall be the average monthly water usage for such period of city water users in the same class.
- (4) Effective October 1, ~~2016~~ 2020 and continuing through September 30, ~~2020~~ 2025, the following table reflects the basic monthly service charges for the various customer classes for wastewater service:

All Meters	Basic Monthly Service Charge			
	2017	2018	2019	2020
	\$/bill	\$/bill	\$/bill	\$/bill
Residential	\$ 16.10	\$ 16.60	\$ 17.20	\$ 17.90
Commercial	26.20	26.20	26.20	26.20
Commercial—Outside city	424.00	424.00	424.00	424.00

All Meters	Basic Monthly Service Charge				
	FY21	FY22	FY23	FY24	FY25
	\$/bill	\$/bill	\$/bill	\$/bill	\$/bill
Residential	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46	\$ 19.46
Commercial	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48	\$ 28.48
-	-	-	-	-	-
Commercial— Outside city	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00	\$ 424.00

(5) Effective October 1, ~~2016~~ 2020 and continuing through September 30, ~~2020-2025~~, the following table reflects the rates for wastewater service for the various customer classes:

Customer Class	Volume Charge			
	2017	2018	2019	2020
	\$/kgal	\$/kgal	\$/kgal	\$/kgal
Residential				
–First 3,000 gallons	\$ 2.55	\$ 3.02	\$ 3.49	\$ 3.95
–Over 3,000-gallons	4.00	4.08	4.16	4.24
Commercial				
–All	4.60	4.65	4.70	4.75
Commercial—Outside city				
–All	10.60	10.60	10.60	10.60

Customer Class	Volume Charge				
	FY21	FY22	FY23	FY24	FY25
	\$/kgal	\$/kgal	\$/kgal	\$/kgal	\$/kgal
Residential					
–First 3,000 Gallons	\$ 4.07	\$ 4.19	\$ 4.32	\$ 4.45	\$ 4.58
–Over 3,000 Gallons	\$ 4.37	\$ 4.50	\$ 4.63	\$ 4.77	\$ 4.92

<u>Commercial—All</u>	<u>\$ 4.89</u>	<u>\$ 5.04</u>	<u>\$ 5.19</u>	<u>\$ 5.35</u>	<u>\$ 5.51</u>
<u>Commercial - Outside City All</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>	<u>\$ 10.60</u>

Water usage registered through an irrigation meter shall not be included in the calculation of wastewater charges.

- (b) Effective for monthly billing cycles commencing on October 1, ~~2016~~ 2020 and on October 1 of each year thereafter and subject to the applicable Texas law and the authority of city council of the City of Jersey Village to adopt other rates and charges, rates and charges for the use and services of the water and sewer system shall be adjusted based on the calculation method recommended by ~~Arcadis Raftelis~~ Arcadis Raftelis in its final report presented to city council on ~~September 19, 2016~~ August 17, 2020. Said method takes into consideration the percentage change (if any) in the Designated Index or other appropriate index for the preceding calendar year. The calculation required by this section shall be made annually at the time the city's annual budget for the water and sewer system is adopted and shall be included in the annual budget for the water and sewer system.
- (c) "Designated index" shall mean the United States Consumer Price Index for all Urban Consumers (also known as the CPI-U) for the Houston-Galveston-Brazoria Texas Metropolitan Area as published by the Bureau of Labor Statistics, U.S. Department of Labor (but if such is subject to adjustment later, then the later adjusted index, together with any correlation factor necessary to relate the later adjusted index to the earlier index, as published by the entity publishing the index, shall be used), or if such publication is discontinued, the designated index shall then refer to comparable statistics on changes in the cost of living for urban consumers as the same may be computed and published (on the most frequent basis available) by an agency of the United States or by a responsible financial periodical of recognized authority, which agency or periodical shall be selected by the city.

(Code 1977, § 21-52; Ord. No. 98-08, §§ 1—3, 2-16-98; Ord. No. 99-26, § 1, 9-20-99; Ord. No. 00-06, § 1, 3-20-00; Ord. No. 00-35, § 1, 9-25-00; Ord. No. 01-28, § 1, 9-24-01; Ord. No 02-26, § 1, 9-23-02; Ord. No 03-32, § 1, 8-18-03; Ord. No. 03-35, § 1, 9-22-03; Ord. No. 2007-41, §§ 1—5, 10-15-07; Ord. No. 2008-40, §§ 1—5, 11-17-08; Ord. No. 2009-04, § 1, 1-19-09; Ord. No. 70-77, §§ 1—5, 1-18-10; Ord. No. 2010-26, §§ 1—3, 6-21-10; Ord. No. 2010-54, §§ 1—3, 12-13-10; Ord. No. 2012-12, § 2(Exh. C), 4-16-12; Ord. No. 2013-06, § 1(Exh. A), 3-18-13; Ord. No. 2015-16, § 1(Exh. A), 6-15-15; Ord. No. 2015-34, §§ 1, 2, 10-19-15)

Sec. 70-78. - Computation of water usage and wastewater treatment.

- (a) Computations for water usage and wastewater treatment shall be determined by the amount of water registered to have passed through the water meter of each customer. References in subsection (1)(a) and (b) of section 70-77 are to gallons of water as registered on such water meters. Unless established to the satisfaction of the city that the meter registering such water has malfunctioned, such registered amount of water shall, except as otherwise provided in this section, be conclusive for purposes of computations of billings.
- (b) Where reading meters indicate an unusually disproportionate usage, the city may, for good cause, authorize extended payment schedules for water usage and wastewater treatment.
- (c) Any water customer may request an adjustment to any bill for water usage and wastewater treatment because of a loss of water through a latent defect in the customer's water line, for a period not to exceed three consecutive months, by filing a sworn written application therefor. A customer may not

request more than one such adjustment in any calendar year. Such application shall be made on a form furnished for that purpose by the city and shall contain the following matters:

- (1) The name of the applicant, the address of the premises furnished water, the date of the bill and the period of water usage covered thereby.
 - (2) The date on which the latent defect was discovered and the date on which it was repaired and a statement that water was lost through such latent defect and that such water was not used in any manner by anyone.
 - (3) A statement that the applicant made the statements shown on the application under oath for the purpose of inducing the city to grant a reduction in the amount of water bill for which an adjustment is requested.
 - (4) A statement whether or not there have been any additional water appliances placed in use by the customer during the period covered by such bill.
 - (5) The name and address of the person who made the repairs.
- (d) Upon receipt of an application under this section, the finance director shall review such application; and if such application complies with this section, the applicant's bill shall be revised by subtracting the amount of water consumption shown thereon in excess of the applicant's average water usage, which adjustment shall be accomplished in the following manner:
- (1) The applicant's average water usage for a prior like period of time shall be determined. If the applicant has not been a customer for a sufficient length of time to make such determination, then the average water usage for a like period of time for city water customers in the same class as applicant shall be used.
 - (2) From the total water usage shown on the bill, the average water usage will be deducted. The resulting figure is the excess usage.
 - (3) The regular rate will be applied to the average usage.
- (e) If the bill to be adjusted has been paid, any adjustment authorized by this section shall be made by crediting the amount of adjustment against charges thereafter accruing for water usage and wastewater treatment. If such bill has not been paid, it shall be reduced by the amount of the adjustment.
- (f) A determination by the finance director of the amount of an adjustment to be made in accordance with this section may be appealed to the city manager, whose decision shall be final.

(Code 1977, § 21-53)

Secs. 70-79—70-110. - Reserved.