CITY OF FAIRFIELD
TEXAS

CITY OF FAIRFIELD TEXAS

2023
WATER AND WASTEWATER RATE STUDY

WILLDAN

CITY OF FAIRFIELD, TEXAS
2023 WATER AND WASTEWATER RATE STUDY
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Acknowledgements

During the course of this rate study, several City employees expended considerable time and effort in assisting the project team. These employees included the Mayor and Council, Ms. Erin Harrup, Ms. Misty Richardson, and Mr. Clyde Woods. The project team owes a debt of gratitude to the hard work, dedication, and professionalism of these individuals, without whom this project would not have been successfully completed.

The project team has relied upon the extensive data supplied by the City. Thus, the integrity of the study is largely dependent upon the accuracy of this financial and volumetric data. Every effort has been made by the project team to validate and confirm the information contained herein prior to the preparation of the final study documents. This report presents no assurance or guarantee that the forecast contained herein will be consistent with actual results or performances. These represent forecasts based on a series of assumptions about future behavior and are not guarantees. Any changes in assumptions or actual events may result in significant revisions to the forecast and its conclusions. The cash flow projections and debt service coverage calculations are not intended to present overall financial positions, results of operations, and/or cash flows for the periods indicated, which is in conformity with guidelines for presentation of a forecast established by the American Institute of Certified Public Accountants.

Executive Summary

Executive Summary

Background

In October 2022, the City of Fairfield, Texas (the "City") engaged **Willdan** to conduct a water and wastewater rate study and long-term financial plan. The City was interested in developing a comprehensive rate plan for FY 2023 and beyond.

The City identified numerous objectives for this study, including but not limited to the following:

- A comprehensive analysis and evaluation of the water and wastewater systems' current cost of service and revenue requirements.
- An estimate of current and forecast accounts, volumes, and billing units for the forecast period.
- A forecast of operating expenses over the next ten years, taking into consideration such factors as cost of water and wastewater treatment, inflation and system growth.
- A thorough review of the water and wastewater systems' known capital improvement needs, and further development of a plan for funding capital requirements through the issuance of long-term debt.
- An analysis of Fairfield's economic, income and demographic information, including a comparison of the City's rates to surrounding communities.
- The development of alternative rate structures that would recover the City's cost of service, ensure equitable and reasonable treatment of identified customer classes, and maintain critical financial ratios.
- A cost-of-service calculation for serving Outside City customers.
- A cost-of-service calculation for Fairfield's wholesale customer.

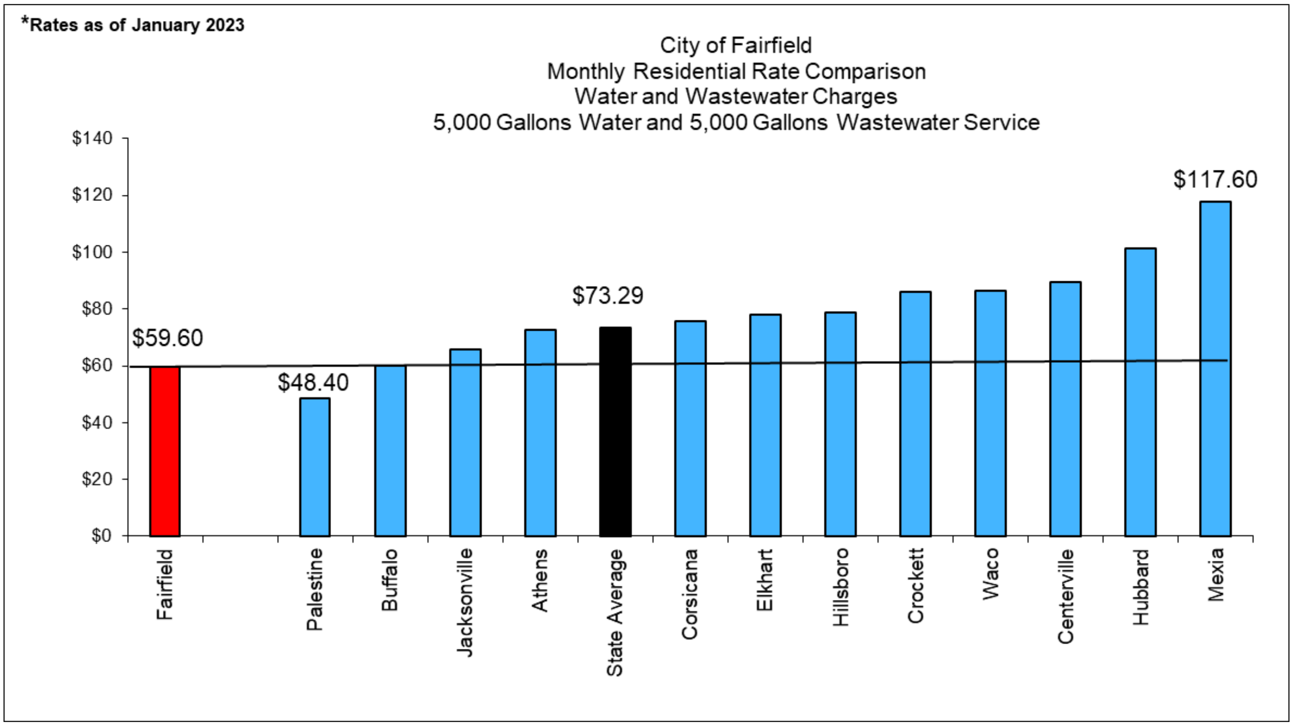
In conjunction with City staff, the project team evaluated several alternative rate structures, which would enable the City to achieve these objectives while continuing to provide ratepayers with superior quality water and wastewater services. After a series of meetings with City officials, the project team narrowed its recommendations to the water and wastewater rate design alternatives contained in this study. The analysis and recommendations presented in this study achieve all of the objectives outlined above.

Water and Wastewater Rate Comparison

Table ES-1 compares Fairfield's current monthly water and wastewater charges to those of nearby cities in Texas. A volume of 5,000 gallons water and 5,000 gallons wastewater were used for the residential comparison as it represents typical usage levels for an average household.

The rate data is based on published rates and ordinances posted by each municipality in their rate ordinance. These rates do not include sales tax, activation or other charges beyond the basic minimum and volume charges.

TABLE ES-1



The table reveals that the City's rates are mostly lower than those of similarly sized cities in the region. For 5,000 gallons of water usage and 5,000 gallons of wastewater service a residential ratepayer in Fairfield pays approximately $59.60

Water and Wastewater Customers and Meters – Test Year & Ten-Year Forecast

Table ES-2 presents total water accounts and classifications for the City forecast for the next decade. The table reveals that by the year 2032 the City of Fairfield is forecast to have a total of **2,490** water customer accounts.

Table ES- 3 presents total wastewater accounts and classifications for the City forecast for the next decade. The table reveals that by the year 2032 the City of Fairfield is forecast to have **1,855** wastewater customer accounts.

It must be stressed that if the City does not acquire these projected new connections, financial and rate plan assumptions will have to be substantially modified.

TABLE ES-2

CITY OF FAIRFIELD

FORECAST TOTAL CUSTOMERS
WATER Customer Classes

Fiscal Year	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	TDC	IND	Irrigation	Outside City	Westwood	Total
WATER Total Customers									
FY 2020	1,110	328	19	2	4	46	49	417	**1,975**
FY 2021	1,118	336	20	2	4	45	52	417	**1,994**
Last 12 Montl	1,131	336	21	2	4	45	58	420	**2,016**
FY 2023	1,162	346	21	2	4	44	62	424	**2,065**
FY 2024	1,197	353	21	2	4	44	65	428	**2,115**
FY 2025	1,229	359	21	2	4	45	68	432	**2,161**
FY 2026	1,262	366	22	2	4	45	71	436	**2,208**
FY 2027	1,296	372	22	2	4	46	74	440	**2,256**
FY 2028	1,330	379	22	2	4	46	77	444	**2,303**
FY 2029	1,363	385	22	2	4	46	81	447	**2,351**
FY 2030	1,396	391	22	2	4	47	84	451	**2,397**
FY 2031	1,430	398	23	2	4	47	87	455	**2,445**
FY 2032	1,462	403	23	2	4	48	91	458	**2,490**

TABLE ES-3

CITY OF FAIRFIELD

FORECAST TOTAL CUSTOMERS
WASTEWATER Customer Classes

Fiscal Year	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	Outside	TDC	IND	Total
WASTEWATER Total Customers							
FY 2020	1,094	274	12	21	1	3	**1,404**
FY 2021	1,098	275	13	20	1	3	**1,410**
Last 12 Montl	1,110	275	13	21	1	3	**1,423**
FY 2023	1,140	284	14	25	1	3	**1,467**
FY 2024	1,175	291	14	28	1	3	**1,512**
FY 2025	1,207	297	14	31	1	3	**1,554**
FY 2026	1,240	304	15	34	1	3	**1,597**
FY 2027	1,274	310	15	37	1	3	**1,641**
FY 2028	1,308	317	15	40	1	3	**1,684**
FY 2029	1,341	323	15	44	1	3	**1,727**
FY 2030	1,374	329	15	47	1	3	**1,770**
FY 2031	1,408	336	16	50	1	3	**1,813**
FY 2032	1,440	341	16	54	1	3	**1,855**

Water and Wastewater Test Year and Forecast Net Revenue Requirement

The calculation of a revenue requirement differs from a utility's budget in that it represents only that amount that must be raised through the City's user rates. This means that non-rate revenue (such as connection fees, late payment charges and interest) must be subtracted from the budgeted operating and capital expenditures to determine the net revenue requirement to be raised from rates.

As is typical for publicly owned utilities, Fairfield's system revenue requirements were developed using the cash basis of ratemaking. Under the cash basis, as defined by the AWWA Manual M-1, system revenue requirements consist of cash expenditures and other financial commitments (such as debt service coverage or reserves) that must be met through system operating revenues and other revenue sources. All data used in the development of the revenue requirements was obtained from the financial statements, budgets and other information provided by the City. Detailed calculations are presented in the rate model contained in Appendix A of this report. For rate design purposes, revenue requirements are developed separately for the water and wastewater systems.

Operating expenses include such items as chemicals, electricity, supplies, materials, and contractual services. Added to operating expenses for ratemaking purposes are the City's annual transfers from the water and wastewater budget to the General Fund to pay for administrative support provided to the utilities through other City departments' personnel and facilities.

Capital Outlays are separate from the projects included in the City's Capital Improvement Program ("CIP"). These capital improvements are primarily focused on large repair and replacement programs such as water and sewer line replacement and water tank and pump station rehabilitation. The City's CIP is summarized in **Table ES-4.**

TABLE ES-4

CITY OF FAIRFIELD

Capital Improvement Plan FY 2023 - FY 2027

SCENARIO: 2023 09 06 -- Scenario II -- Reduced Tiers

WATER PROJECTS			**Funding Source**
Ivy Well Water Plant	$	3,000,000	Debt Funded
Phase 4 Water Loop		350,000	Already Funded
Scada System		250,000	Debt Funded
Total Water Projects	**$**	**3,600,000**	
WASTEWATER PROJECTS			**Funding Source**
Aeration Basin with Diffused Air	$	1,500,000	TDCJ Funded
Re-Route Sewer		150,000	Direct from Reserves
Install Manhole		2,500	Direct from Reserves
Sewer Line Rehab- Service Truck Depot		500,000	Direct from Reserves
South Fairway (75) Sewer Line Rehab		400,000	ARPA Grant
Scada System		250,000	Debt Funded
Total Wastewater Projects	**$**	**2,802,500**	
Total Water and Wastewater	**$**	**6,402,500**	

The rate plan developed for the City assumes that the City of Fairfield issues long term debt to fund the Capital Improvement Plan.

Table ES-5 presents the forecast schedule of new debt projected to be issued in order to fund a portion of the CIP over the forecast period. The City is projected to issue approximately **$3,500,000** in long-term water and wastewater debt in 2027. For this analysis, the project team is assuming that the debt has a term of 20 years at an interest rate of 4.0%, with level debt service payments, and no reserve requirement.

TABLE ES-5

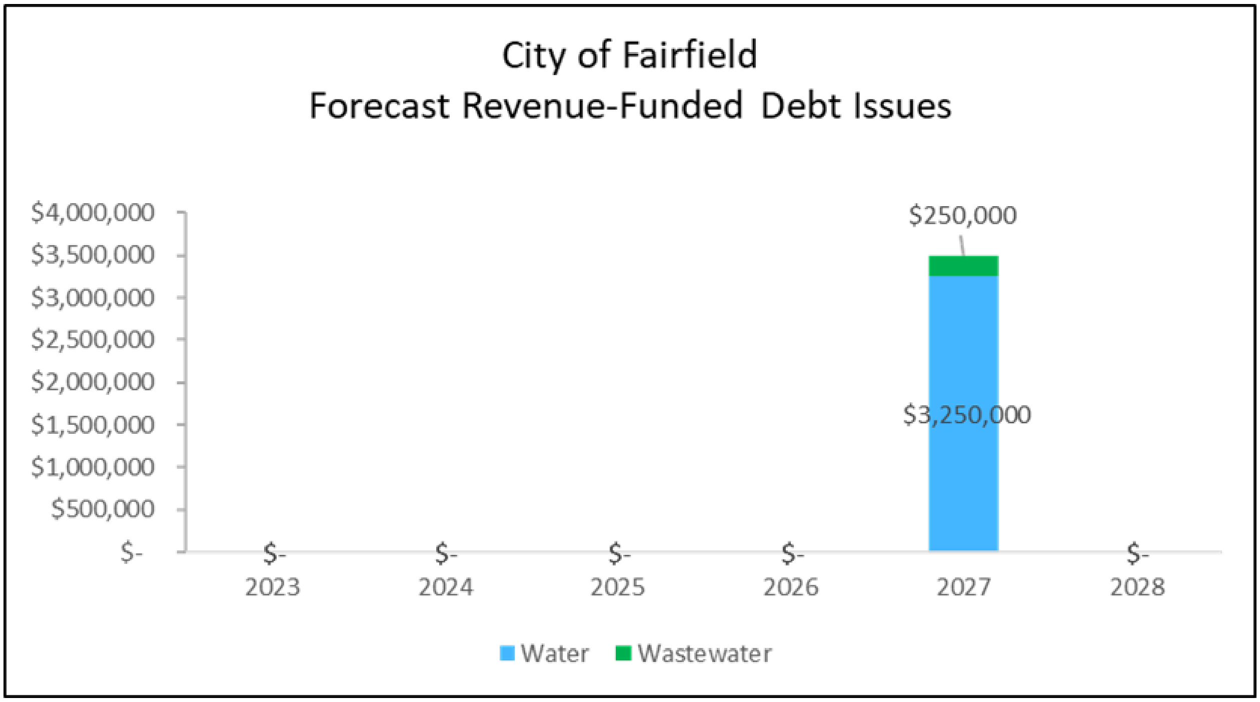


Table ES-6 presents the test year and ten-year forecast for the City's net revenue requirement to be raised from rates for the proposed rate plan. Table ES-6 reveals that under the proposed scenarios, the net revenue requirement for the water and wastewater utility is forecast to increase from **$2,774,828** in FY 2023 to **$3,934,580** in FY 2032, an average annual increase of 4.02%. Detailed calculations are presented in the rate model contained in Appendix A of this report.

TABLE ES-6

CITY OF FAIRFIELD

FORECAST NET REVENUE REQUIREMENTS

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

	Operating Expenses	Capital Outlays	Debt Service	Transfers & Contingencies	Total Cost of Service	Less Non-Rate Revenues	Net Revenue Requirement
WATER Revenue Requirement							
2023	$ 977,442	$ 283,625	$ 469,737	$ 145,000	**$ 1,875,804**	$ 279,000	**$ 1,596,804**
2024	1,005,825	203,625	469,762	149,350	**1,828,562**	81,370	**1,747,192**
2025	1,035,216	203,625	469,712	153,721	**1,862,274**	83,811	**1,778,463**
2026	1,065,656	203,625	469,587	158,252	**1,897,120**	86,325	**1,810,794**
2027	1,099,806	203,625	469,387	162,949	**1,935,768**	88,915	**1,846,853**
2028	1,135,160	203,625	713,036	168,245	**2,220,066**	91,583	**2,128,484**
2029	1,171,767	203,625	712,686	173,733	**2,261,811**	94,330	**2,167,480**
2030	1,209,677	203,625	712,261	179,420	**2,304,983**	97,160	**2,207,823**
2031	1,248,946	203,625	711,761	185,316	**2,349,648**	100,075	**2,249,573**
2032	1,289,630	203,625	713,686	191,428	**2,398,369**	103,077	**2,295,292**
WASTEWATER Revenue Requirement							
2023	$ 927,824	$ 106,125	$ 144,075	$ -	**$ 1,178,024**	$ -	**$ 1,178,024**
2024	955,207	243,125	144,100	-	**1,342,432**	-	**1,342,432**
2025	983,616	243,125	144,050	-	**1,370,791**	-	**1,370,791**
2026	1,013,098	243,125	143,925	-	**1,400,148**	-	**1,400,148**
2027	1,046,510	243,125	143,725	-	**1,433,360**	-	**1,433,360**
2028	1,081,163	243,125	162,213	-	**1,486,501**	-	**1,486,501**
2029	1,117,109	243,125	161,863	-	**1,522,097**	-	**1,522,097**
2030	1,154,406	243,125	161,438	-	**1,558,970**	-	**1,558,970**
2031	1,193,115	243,125	160,938	-	**1,597,179**	-	**1,597,179**
2032	1,233,299	243,125	162,863	-	**1,639,288**	-	**1,639,288**
Total Water and Wastewater Revenue Requirement							
2023	$ 1,905,266	$ 389,750	$ 613,812	$ 145,000	**$ 3,053,828**	$ 279,000	**$ 2,774,828**
2024	1,961,032	446,750	613,862	149,350	**3,170,994**	81,370	**3,089,624**
2025	2,018,832	446,750	613,762	153,721	**3,233,066**	83,811	**3,149,255**
2026	2,078,753	446,750	613,512	158,252	**3,297,267**	86,325	**3,210,942**
2027	2,146,317	446,750	613,112	162,949	**3,369,128**	88,915	**3,280,213**
2028	2,216,323	446,750	875,249	168,245	**3,706,567**	91,583	**3,614,985**
2029	2,288,876	446,750	874,549	173,733	**3,783,908**	94,330	**3,689,578**
2030	2,364,084	446,750	873,699	179,420	**3,863,953**	97,160	**3,766,793**
2031	2,442,061	446,750	872,699	185,316	**3,946,826**	100,075	**3,846,751**
2032	2,522,930	446,750	876,549	191,428	**4,037,657**	103,077	**3,934,580**

Water and Wastewater Rate Design

Based on an extensive series of discussions with the City, the project team is presenting two alternative rate design scenarios for the City to consider. Both scenarios will result in an equivalent amount of revenue recovered. The following is notable regarding both proposed rate plans to be presented:

- While the rate model presents a forecast of rates for ten years for each scenario, the project team recommends that the City adopt a 5-year rate plan under the chosen alternative, with the rates to be automatically implemented annually on October 1, 2023, through October 1, 2027.
- Given the growth in the City and potential for unexpected events, the project team recommends that the City not commit itself to a rate plan beyond five years. Further, the project team recommends that the City periodically review these rates during the next five years, to incorporate any changes to costs, volumes or growth assumptions that may occur during that time.
- The most significant impact on rates will be debt issued to fund the CIP. The initial cost of service and rate proposal assumes that the Utility rate adjustments will be funded on a stand-alone basis, whereby debt service will be fully funded through rates.
- Both rate plans will cover the estimated increased cost of required labor, services, materials, while ensuring that ratepayers pay only what it costs to provide water and wastewater service.

Scenario I – Status Quo

The first alternative is a 5-year rate plan with the first adjustment in October 2023 (FY 2024). The plan assumes no change in rate structure and proposes uniform percentage adjustments for base and volume charges. To ensure that rates would recover full cost of service this plan requires larger adjustments in the first 3 years. The rate plan and forecast revenues and expenses under this scenario are presented in **Appendix A.**

Table ES-7 presents a summary of the adjusted water rate plan proposed for Residential and non-residential customers. **Table ES-8** presents a summary of the adjusted wastewater rate plan proposed for Residential and non-residential customers. **Table ES-9** presents the customer rate impact assuming the adjusted rate structure is adopted by City Council.

The projected rate revenues developed in this alternative are forecast to be sufficient to fund all operating and current scheduled capital obligations starting FY 2026. Rate revenues are sufficient to fund the water and wastewater existing debt service and future debt service while continuing to operate on a stand-alone basis and independent of general fund assistance. Forecast rate revenues by year are presented in Appendix A.

The following is notable about this rate plan:

- The rate plan maintains tier-based volumetric rates for Residential, Non-Residential and Westwood customers. TDCJ and Irrigation are charged flat volumetric rates.
- The project team recommends no change in the outside city limit water rates.
- Forecast revenues and expenses under this scenario are presented in Appendix A.

Table ES-7

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
	Water Rate and Charges							
W1	**Residential**							
	Monthly Minimum Charge							
		all meter sizes	$ 23.20	$ 25.29	$ 27.06	$ 28.41	$ 29.26	$ 30.14
	Volume Rate/1,000 Gal							
	2,001	4,000	4.28	4.67	4.99	5.24	5.40	5.56
	4,001	8,000	4.33	4.72	5.05	5.30	5.46	5.63
	8,001	10,000	4.52	4.93	5.27	5.54	5.70	5.87
	10,001	12,000	4.88	5.32	5.69	5.98	6.16	6.34
	12,001	15,000	4.75	5.18	5.54	5.82	5.99	6.17
	15,001	18,000	4.61	5.02	5.38	5.65	5.81	5.99
	18,001	20,000	4.33	4.72	5.05	5.30	5.46	5.63
	20,001	Above	4.00	4.36	4.67	4.90	5.05	5.20
W2	**BH, CH, GOV, INS, SCH, C**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74
	4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15
	8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50
	12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74
	16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15
	20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06
	30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28
	50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20
W3	**Multi Family**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74
	4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15
	8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50
	12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74
	16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15
	20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06
	30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28
	50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
W4	**TDC**							
	Monthly Minimum Charge							
		all meter sizes	$ -	$ -	$ -	$ -	$ -	$ -
	Volume Rate/1,000 Gal							
	-	Above	2.85	3.11	3.32	3.49	3.59	3.70
W5	**IND**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74
	4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15
	8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50
	12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74
	16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15
	20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06
	30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28
	50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20
W6	**Irrigation**							
	Monthly Minimum Charge							
		all meter sizes	$ -	$ -	$ -	$ -	$ -	$ -
	Volume Rate/1,000 Gal							
	-	Above	9.00	9.81	10.50	11.02	11.35	11.69
W7	**Residential/Commercial Outside**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
	Volume Rate/1,000 Gal							
	2,001	4,000	8.56	8.56	8.56	8.56	8.56	8.56
	4,001	8,000	8.66	8.66	8.66	8.66	8.66	8.66
	8,001	10,000	9.04	9.04	9.04	9.04	9.04	9.04
	10,001	12,000	9.76	9.76	9.76	9.76	9.76	9.76
	12,001	15,000	9.50	9.50	9.50	9.50	9.50	9.50
	15,001	18,000	9.22	9.22	9.22	9.22	9.22	9.22
	18,001	20,000	8.66	8.66	8.66	8.66	8.66	8.66
	20,001	Above	8.00	8.00	8.00	8.00	8.00	8.00
W8	**Westwood**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 50.58	$ 54.12	$ 56.82	$ 58.53	$ 60.28
	Volume Rate/1,000 Gal							
	2,001	8,000	3.20	3.49	3.73	3.92	4.04	4.16
	8,001	Above	4.20	4.58	4.90	5.14	5.30	5.46

TABLE ES-8

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Wastewater Monthly Rates and Charges							
Residential							
Monthly Minimum Charge							
		$ 15.80	$ 18.49	$ 21.63	$ 24.44	$ 25.66	$ 26.95
Volume Rate/1,000 Gal							
2,001	4,000	2.56	3.00	3.50	3.96	4.16	4.37
4,001	8,000	2.59	3.03	3.55	4.01	4.21	4.42
8,001	10,000	2.71	3.17	3.71	4.19	4.40	4.62
10,001	12,000	2.92	3.42	4.00	4.52	4.74	4.98
12,001	15,000	2.35	2.75	3.22	3.64	3.82	4.01
15,001	18,000	2.18	2.55	2.98	3.37	3.54	3.72
18,001	20,000	2.10	2.46	2.87	3.25	3.41	3.58
20,001	Above	1.91	2.23	2.61	2.95	3.10	3.26
BH, CH, GOV, INS, SCH, C							
Monthly Minimum Charge							
		$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59
Multi Family							
Monthly Minimum Charge							
		$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Outside							
Monthly Minimum Charge							
	3/4"	15.80	18.49	21.63	24.44	25.66	26.95
	1"	15.80	18.49	21.63	24.44	25.66	26.95
	1 1/2"	15.80	18.49	21.63	24.44	25.66	26.95
	2"	15.80	18.49	21.63	24.44	25.66	26.95
	3"	15.80	18.49	21.63	24.44	25.66	26.95
	4"	15.80	18.49	21.63	24.44	25.66	26.95
	6"	15.80	18.49	21.63	24.44	25.66	26.95
	8"	15.80	18.49	21.63	24.44	25.66	26.95
Volume Rate/1,000 Gal							
2,001	4,000	2.56	3.00	3.50	3.96	4.16	4.37
4,001	8,000	2.59	3.03	3.55	4.01	4.21	4.42
8,001	10,000	2.71	3.17	3.71	4.19	4.40	4.62
10,001	12,000	2.92	3.42	4.00	4.52	4.74	4.98
12,001	15,000	2.35	2.75	3.22	3.64	3.82	4.01
15,001	18,000	2.18	2.55	2.98	3.37	3.54	3.72
18,001	20,000	2.10	2.46	2.87	3.25	3.41	3.58
20,001	Above	1.91	2.23	2.61	2.95	3.10	3.26
TDC							
Monthly Minimum Charge							
	all meter sizes	-	-	-	-	-	-
Volume Rate/1,000 Gal							
-	Above	2.76	3.23	3.78	4.27	4.48	4.71
IND							
Monthly Minimum Charge							
	all meter sizes	$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59

TABLE ES-9

CITY OF FAIRFIELD
Impact on monthly bills

Scenario: 2023 09 06 -- Scenario I -- Status Quo

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Residential Monthly Charges							
5,000 W	5,000 WW	$ 59.60	$ 66.84	$ 74.27	$ 80.56	$ 83.71	$ 86.98
	Increase - $		7.24	7.43	6.29	3.14	3.27
	Increase - %		12.2%	11.1%	8.5%	3.9%	3.9%
10,000 W	10,000 WW	109.67	121.42	132.67	141.88	146.86	152.03
	Increase - $		11.75	11.25	9.21	4.98	5.17
	Increase - %		10.7%	9.3%	6.9%	3.5%	3.5%
20,000 W	20,000 WW	179.80	199.75	219.25	235.38	243.90	252.74
	Increase - $		19.95	19.50	16.12	8.52	8.85
	Increase - %		11.1%	9.8%	7.4%	3.6%	3.6%
Commercial Monthly Charges							
20,000 W	20,000 WW	$ 223.53	$ 250.62	$ 278.36	$ 301.82	$ 313.57	$ 325.81
	Increase - $		27.09	27.74	23.46	11.75	12.24
	Increase - %		12.1%	11.1%	8.4%	3.9%	3.9%
60,000 W	60,000 WW	593.13	664.70	737.83	799.62	830.64	862.94
	Increase - $		71.57	73.13	61.79	31.02	32.30
	Increase - %		12.1%	11.0%	8.4%	3.9%	3.9%

Scenario II – Reduced Tiers

The second scenario is also a 5-year rate plan with the first adjustment in October 2023 (FY 2024). The plan proposes uniform percentage adjustments for base and volume charges and at the same time reduces the number of volume tiers (eliminates volume discount for high volume consumers). To ensure that rates would recover full cost of service this plan also requires larger adjustments in the first 3 years. The rate plan and forecast revenues and expenses under this scenario are presented in **Appendix B.**

Table ES-10 presents a summary of the Scenario II rate plan proposed for both Residential and non-residential water customers. **Table ES-11** presents a summary of the Scenario II rate plan proposed for both Residential and non-residential wastewater customers. **Table ES-12** presents the customer rate impact assuming the Scenario II rate plan is adopted by City Council.

The following is notable about this proposed rate plan:

- Volumetric tiered rates do not decrease in the higher tiers.
- Uniform percentage adjustments were used for base and volume charges.
- Larger adjustments required in first 3 years to ensure rates recover full cost of service
- The project team recommends no change in the outside city limit water rates.

Forecast revenues and expenses under this scenario are presented in Appendix B.

TABLE ES-10

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario II -- Reduced Tiers

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
	Water Rate and Charges							
W1	**Residential**							
	Monthly Minimum Charge							
		all meter sizes	$ 23.20	$ 25.06	$ 26.81	$ 28.15	$ 28.99	$ 29.86
	Volume Rate/1,000 Gal							
	2,001	4,000	4.28	4.62	4.95	5.19	5.35	5.51
	4,001	8,000	4.33	4.68	5.00	5.25	5.41	5.57
	8,001	10,000	4.52	4.88	5.22	5.48	5.65	5.82
	10,001	12,000	4.88	5.27	5.64	5.92	6.10	6.28
	12,001	15,000	4.75	5.27	5.64	5.92	6.10	6.28
	15,001	18,000	4.61	5.27	5.64	5.92	6.10	6.28
	18,001	20,000	4.33	5.27	5.64	5.92	6.10	6.28
	20,001	Above	4.00	5.27	5.64	5.92	6.10	6.28
W2	**BH, CH, GOV, INS, SCH, C**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68
	4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08
	8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43
	12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67
	16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07
	20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07
	30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07
	50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07
W3	**Multi Family**							
	Monthly Minimum Charge							
		all mter sizes	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68
	4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08
	8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43
	12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67
	16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07
	20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07
	30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07
	50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
W4	**TDC**							
	Monthly Minimum Charge							
		all meter sizes	$ -	$ -	$ -	$ -	$ -	$ -
	Volume Rate/1,000 Gal							
	-	Above	2.85	3.08	3.29	3.46	3.56	3.67
W5	**IND**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68
	4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08
	8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43
	12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67
	16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07
	20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07
	30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07
	50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07
W6	**Irrigation**							
	Monthly Minimum Charge							
		all meter sizes	-	-	-	-	-	-
	Volume Rate/1,000 Gal		9.00	9.72	10.40	10.92	11.25	11.59
W7	**Residential/Commercial Outside**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
	Volume Rate/1,000 Gal							
	2,001	4,000	8.56	8.56	8.56	8.56	8.56	8.56
	4,001	8,000	8.66	8.66	8.66	8.66	8.66	8.66
	8,001	10,000	9.04	9.04	9.04	9.04	9.04	9.04
	10,001	12,000	9.76	9.76	9.76	9.76	9.76	9.76
	12,001	15,000	9.50	9.50	9.50	9.50	9.50	9.50
	15,001	18,000	9.22	9.22	9.22	9.22	9.22	9.22
	18,001	20,000	8.66	8.66	8.66	8.66	8.66	8.66
	20,001	Above	8.00	8.00	8.00	8.00	8.00	8.00
W8	**Westwood**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 50.11	$ 53.62	$ 56.30	$ 57.99	$ 59.73
	Volume Rate/1,000 Gal							
	2,001	8,000	3.20	3.46	3.70	3.88	4.00	4.12
	8,001	Above	4.20	4.54	4.85	5.10	5.25	5.41

TABLE ES-11

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario II -- Reduced Tiers

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
2	**Wastewater Monthly Rates and Charges**						
Residential							
Monthly Minimum Charge							
		$ 15.80	$ 18.33	$ 21.26	$ 24.02	$ 25.23	$ 26.49
Volume Rate/1,000 Gal							
2,001	4,000	2.56	2.97	3.44	3.89	4.09	4.29
4,001	8,000	2.59	3.00	3.49	3.94	4.14	4.34
8,001	10,000	2.71	3.14	3.65	4.12	4.33	4.54
10,001	12,000	2.92	3.39	3.93	4.44	4.66	4.90
12,001	15,000	2.35	3.39	3.93	4.44	4.66	4.90
15,001	18,000	2.18	3.39	3.93	4.44	4.66	4.90
18,001	20,000	2.10	3.39	3.93	4.44	4.66	4.90
20,001	Above	1.91	3.39	3.93	4.44	4.66	4.90
BH, CH, GOV, INS, SCH, C							
Monthly Minimum Charge							
		$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
	1"	18.65	21.63	25.10	28.36	29.78	31.26
	1 1/2"	18.65	21.63	25.10	28.36	29.78	31.26
	2"	18.65	21.63	25.10	28.36	29.78	31.26
	3"	18.65	21.63	25.10	28.36	29.78	31.26
	4"	18.65	21.63	25.10	28.36	29.78	31.26
	6"	18.65	21.63	25.10	28.36	29.78	31.26
	8"	18.65	21.63	25.10	28.36	29.78	31.26
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59
Multi Family							
Monthly Minimum Charge							
		$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
1"	-	18.65	21.63	25.10	28.36	29.78	31.26
1 1/2"	-	18.65	21.63	25.10	28.36	29.78	31.26
2"	-	18.65	21.63	25.10	28.36	29.78	31.26
3"	-	18.65	21.63	25.10	28.36	29.78	31.26
4"	-	18.65	21.63	25.10	28.36	29.78	31.26
6"	-	18.65	21.63	25.10	28.36	29.78	31.26
8"	-	18.65	21.63	25.10	28.36	29.78	31.26
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Outside							
Monthly Minimum Charge							
	all meter sizes	$ 15.80	$ 18.33	$ 21.26	$ 24.02	$ 25.23	$ 26.49
1"	-	15.80	18.33	21.26	24.02	25.23	26.49
1 1/2"	-	15.80	18.33	21.26	24.02	25.23	26.49
2"	-	15.80	18.33	21.26	24.02	25.23	26.49
3"	-	15.80	18.33	21.26	24.02	25.23	26.49
4"	-	15.80	18.33	21.26	24.02	25.23	26.49
6"	-	15.80	18.33	21.26	24.02	25.23	26.49
8"	-	15.80	18.33	21.26	24.02	25.23	26.49
Volume Rate/1,000 Gal							
2,001	4,000	2.56	2.97	3.44	3.89	4.09	4.29
4,001	8,000	2.59	3.00	3.49	3.94	4.14	4.34
8,001	10,000	2.71	3.14	3.65	4.12	4.33	4.54
10,001	12,000	2.92	3.39	3.93	4.44	4.66	4.90
12,001	15,000	2.35	3.39	3.93	4.44	4.66	4.90
15,001	18,000	2.18	3.39	3.93	4.44	4.66	4.90
18,001	20,000	2.10	3.39	3.93	4.44	4.66	4.90
20,001	Above	1.91	3.39	3.93	4.44	4.66	4.90
TDC							
Monthly Minimum Charge							
	all meter sizes	-	-	-	-	-	-
Volume Rate/1,000 Gal							
-	Above	2.76	3.20	3.71	4.20	4.41	4.63
IND							
Monthly Minimum Charge							
	all meter sizes	$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59

TABLE ES-12

CITY OF FAIRFIELD
Impact on monthly bills

Scenario: 2023 09 06 -- Scenario II -- Reduced Tiers

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Residential Monthly Charges							
5,000 W	5,000 WW	$ 59.60	$ 66.25	$ 73.34	$ 79.54	$ 82.64	$ 85.87
	Increase - $		6.65	7.09	6.20	3.10	3.23
10,000 W	10,000 WW	109.67	120.32	131.20	140.29	145.22	150.32
	Increase - $		10.65	10.88	9.09	4.92	5.11
20,000 W	20,000 WW	179.80	206.90	226.89	243.90	252.82	262.09
	Increase - $		27.10	19.99	17.02	8.92	9.27
	Increase - %		15.1%	9.7%	7.5%	3.7%	3.7%
Commercial Monthly Charges							
20,000 W	20,000 WW	$ 223.53	$ 249.96	$ 276.70	$ 300.06	$ 311.76	$ 323.94
	Increase - $		26.43	26.74	23.36	11.69	12.18
60,000 W	60,000 WW	593.13	703.18	778.05	843.41	876.18	910.31
	Increase - $		110.05	74.87	65.35	32.77	34.13
	Increase - %		18.6%	10.6%	8.4%	3.9%	3.9%

Section I

SECTION I

Introduction and Demographic Profile

Background

In October 2022, the City of Fairfield, Texas (the "City") engaged **Willdan** to conduct a water and wastewater rate study and long-term financial plan. The City was interested in developing a comprehensive water and wastewater rate plan for FY 2023 and beyond. Numerous objectives were identified by the City for this study, including but not limited to the following:

- A comprehensive analysis and evaluation of the water and wastewater systems' current cost of service and revenue requirements.
- An estimate of current and forecast accounts, volumes, and billing units for the ten-year forecast period.
- A forecast of operating expenses over the next decade, taking into consideration such factors as cost of water and wastewater treatment, inflation, system growth, and increases in staffing levels.
- A thorough review of the water and wastewater systems' known capital improvement needs, and further development of a plan for funding capital requirements through fund transfers or the issuance of long-term debt.
- An analysis of Fairfield's economic, income and demographic information, including a comparison of the City's rates to surrounding communities.
- The development of alternative rate structures that would recover the City's cost of service, ensure equitable, just, and reasonable treatment of identified customer classes, and maintain critical financial ratios.
- A cost-of-service calculation for serving Outside City customers.
- A cost-of-service calculation for Fairfield's wholesale customer.

In conjunction with City staff, the project team evaluated several alternative rate structures, all of which would enable the City to achieve these objectives while continuing to provide ratepayers with superior quality water and wastewater service. After a series of meetings with City officials, the project team narrowed its recommendations to the water and wastewater rate design recommendations contained in this study. The analysis and recommendations presented in this study achieve all the objectives outlined above.

Report Organization

This report is organized into the following sections:

Section I – Introduction and Demographic Profile - outlines the background, objectives and scope of this rate study and long-term financial plan. Also presents the City's current rate structures and a demographic profile of the City of Fairfield. This includes a comparison of the City's water and wastewater charges with other cities in Texas.

Section II – Water and Wastewater Test Year and Forecast Volumes – analyzes the City's customer base, total accounts and current volumes of treated water and wastewater. This section presents totals for the current year and a forecast ten years into the future.

Section III – Water and Wastewater Test Year and Forecast Revenue Requirement – outlines the process of analyzing the City's current water and wastewater utility cost structure. The total current or "test year" revenue requirements are developed, and costs are functionalized between treatment, distribution/collection, administration, and customer billing. Using the test year as a basis, costs are forecast for a ten-year period.

Section IV – Water and Wastewater Rate Design – Presents rate recommendations for the City to consider which would enable it to meet its revenue requirements over the next decade. Also presents an analysis of the impact of these rate plans on each defined customer class.

Appendix A – presents a hard copy printout of the interactive Microsoft Excel spreadsheet model developed for the City to calculate water and wastewater current and future revenue requirements. The model automatically generates all calculations based on a set of defined user inputs. An electronic copy of this model will be provided to the City so that staff may use it as a tool for future rate development.

City Leadership

The City of Fairfield is a General Law Municipality with a Mayor/Council form of government. The Council consists of the Mayor and five council members. The City Administrator reports to the Mayor, Council, and the citizens of Fairfield, and is responsible for the day-to-day operations of the City. All changes to the City's water and wastewater rate structure must be approved by a vote of the Council. **Table I-1** lists current serving City officials.

The City utilizes standard governmental accounting procedures for its general and enterprise funds. The Fiscal Year begins on October 1st and ends on the following September 30th.

TABLE I-1

CITY OF FAIRFIELD

CITY OFFICIALS -- APRIL 2023

Mayor and Council		City Staff	
Kenneth Hughes	Mayor	Clyde Woods	Public Works Director
James Tyus	Council Member	Misty Richardsor	City Secretary
Arland Thill	Council Member		
Bobby Nichols	Council Member		
Stephen Daniel	Council Member		
Angela Oglesbee	Council Member		

Water and Wastewater Current Rates

Table I-2 summarizes the City's current water and wastewater rate structures. The current water rate structure includes six customer classes: Residential, Non-Residential, Outside City, Westwood, Residential Irrigation and TDCJ.

The base water charge is assessed to all Residential and Non-Residential classes and includes the first 2,000 gallons of consumption. Residential Irrigation and TDCJ customers do not have the base charge and are billed on actual volume consumption. All Residential and Non-Residentials water accounts are charged a variable tier-based rate in excess of the first 2,000 gallons. Outside City customers are assessed a 100% premium over inside city rates.

Wastewater billing units are derived 100% water consumption. The base wastewater charge is assessed to the Residential and Non-Residential customers and includes the first 2,000 gallons. Any consumption in excess of the first 2,000 gallons is billed at variable tier-based rates. No premium is applied to Outside City customers. TDCJ pays a flat rate of $2.76 per 1000 gallons of consumption.

TABLE I-2

CITY OF FAIRFIELD

CURRENT WATER AND WASTEWATER RATES

Water Rates

Residential Rates				
Minimum Charge			$	23.20
(Includes 2,000 Gallons)				
Volume Rate (per 1,000 Gallons)				
	2,001	4,000	$	4.28
	4,001	8,000		4.33
	8,001	10,000		4.52
	10,001	12,000		4.88
	12,001	15,000		4.75
	15,001	18,000		4.61
	18,001	20,000		4.33
	20,001	Above		4.00

Non-Residential Rates				
Minimum Charge			$	32.00
(Includes 2,000 Gallons)				
Volume Rate (per 1,000 Gallons)				
	2,001	4,000	$	5.19
	4,001	8,000		5.50
	8,001	12,000		5.77
	12,001	16,000		5.96
	16,001	20,000		6.27
	20,001	30,000		6.20
	30,001	50,000		5.60
	50,001	Above		5.54

Ouside City Rates				
Minimum Charge			$	46.40
(Includes 2,000 Gallons)				
Volume Rate (per 1,000 Gallons)				
	2001	4000	$	8.56
	4001	8000		8.66
	8001	10000		9.04
	10001	12000		9.76
	12001	15000		9.50
	15001	18000		9.22
	18001	20000		8.66
	20001	Above		8.00

Westwood Rates				
Minimum Charge			$	46.40
(Includes 2,000 Gallons)				
Volume Rate (per 1,000 Gallons)				
	2001	8000		3.20
	8001	Above		4.20

TDCJ Rates		
Volume Rate (per 1,000 Gallons)	$	2.85

Residential Irrigation Rates		
Volume Rate (per 1,000 Gallons)	$	9.00

Wastewater Rates

Inside and Outside Residential Rates				
Minimum Charge			$	15.80
(Includes 2,000 Gallons)				
Volume Rate (per 1,000 Gallons)				
	2,001	4,000	$	2.56
	4,001	8,000		2.59
	8,001	10,000		2.71
	10,001	12,000		2.92
	12,001	15,000		2.35
	15,001	18,000		2.18
	18,001	20,000		2.10
	20,001	Above		1.91

Non-Residential Rates				
Minimum Charge			$	18.65
(Includes 2,000 Gallons)				
Volume Rate (per 1,000 Gallons)				
	2,001	4,000	$	3.73
	4,001	8,000		3.81
	8,001	12,000		3.93
	12,001	16,000		3.80
	16,001	20,000		3.72
	20,001	30,000		3.66
	30,001	50,000		3.54
	50,001	Above		3.28

TDCJ Rates		
Volume Rate (per 1,000 Gallons)	$	2.76

Water and Wastewater Rate Comparison

Table I-3 compares Fairfield's monthly residential water and wastewater charges to those of nearby cities in Texas. **Chart I-4** presents the municipal data graphically. Volumes of 5,000 gallons water and 5,000 gallons wastewater were used for the comparison as they represent typical usage levels for an average household in Fairfield. The rate data is based on published rates and ordinances posted by each municipality in their rate ordinance as of January 2023.

These rates do not include sales tax, activation or other charges beyond the basic minimum and volume charges. Comparisons such as these are for usage charges only. This type of comparison may have the unintended effect of discriminating against communities who choose to finance system expansions through current rates or revenue bonds, which are included in rates, as opposed to those who utilize general obligation bonds, which are funded through taxes. All else being equal, a City that primarily or exclusively uses general obligation bonds will have a lower water rate per 1,000 gallons but a higher tax rate.

With these caveats in mind, the comparisons reveal that the City's rates are mostly lower than those of other cities in the region. The following is noteworthy about these charts:

- Many cities do not assess rates that recover the full cost of service, choosing instead to subsidize their water and wastewater utilities with other revenues or to defer needed repairs and maintenance at the expense of system reliability and integrity.
- Some cities do not charge residential customers by meter size while other cities do. Since the majority of the current residential meters are 3/4" in the City, the comparisons reflect 3/4" meters for all the cities that charge by meter size.
- Some cities use tax bonds to fund water/wastewater system construction. This results in lower rates but higher ad valorem taxes.
- For 5,000 gallons of water usage and 5,000 gallons of wastewater service, a residential ratepayer in Fairfield pays approximately $59.60 (not including taxes).

TABLE I-3

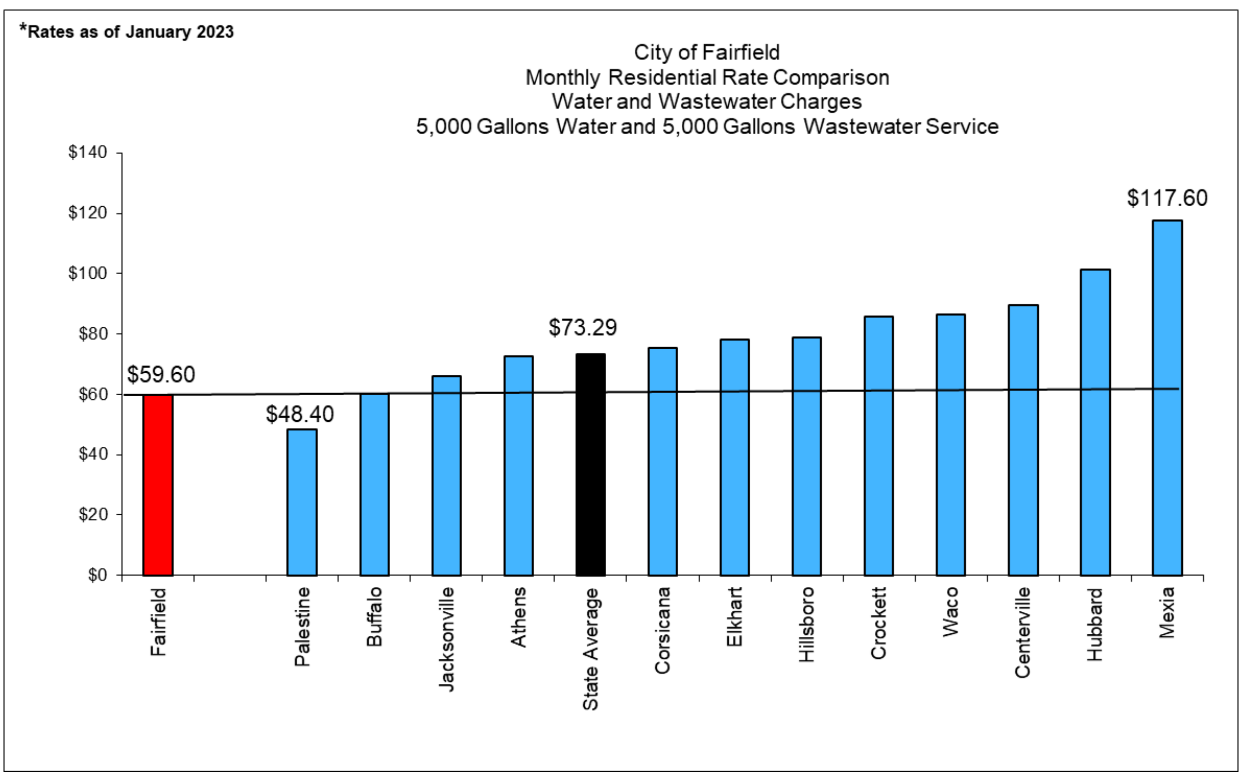
CITY OF FAIRFIELD

MONTHLY RESIDENTIAL CHARGES -- 5,000 GALLONS WATER AND WASTEWATER

	Water	Wastewater	Total
Fairfield	**$ 36.09**	**$ 23.51**	**$ 59.60**
Athens	30.25	42.33	72.58
Buffalo	31.00	29.00	60.00
Centerville	76.25	13.36	89.61
Corsicana	36.50	39.00	75.50
Crockett	49.12	36.77	85.89
Elkhart	42.00	36.00	78.00
Hillsboro	53.43	25.40	78.83
Hubbard	66.80	34.60	101.40
Jacksonville	37.41	28.51	65.92
Mexia	65.45	52.15	117.60
Palestine	27.23	21.17	48.40
Waco	36.85	49.67	86.52
State Average	39.83	33.46	73.29

Source: Cities' Websites; US Census Bureau & 2023 TML Water & Wastewater Rate Survey

CHART I-4



Section II

SECTION II

Water and Wastewater Test Year and Forecast Volumes

In order to accurately forecast future revenues and expenses, it is necessary to examine current water and wastewater utility conditions. The first step in developing cost of service rates is to analyze patterns of usage, both for the system as a whole, and for specified customer classes.

For the City of Fairfield, water and wastewater records maintained by the City were reviewed for a three-year period beginning October 2019. These records provided information on the monthly water volumes distributed system wide as well as the number of accounts for each month and the associated revenues. Additionally, these records provided the number of accounts, billing units and revenues by month for all classifications of wastewater customers.

According to standard utility ratemaking methodology, in order to allocate revenue requirements equitably among system users, customers must be classified into relatively homogeneous groups with similar usage characteristics or service demands. Costs are then allocated to the customer classes in proportion to the usage characteristics of each class. For the water system, costs are typically allocated to customers based on their average and peak water demands. For the wastewater system, costs are allocated to customers based on their estimated wastewater flows, and in some cases, based on wastewater strengths.

The project team finds the customer class distinctions to be reasonable and appropriate, meeting the criteria of homogenous groups with similar usage patterns.

In this section the City's functional customer classes and test year usage patterns will be thoroughly analyzed. A ten-year projection of customers and usage will also be presented. These forecasts, along with the revenue requirements, will form the basis of the rate design recommendation.

Water and Wastewater Customers – Current Year

Table I-2 from the previous section present the City's current water and wastewater rate structures for its existing customers. The City maintains thirteen separate and distinct customer classes. The project team reviewed volume and customer data for each of these customer classes, as well as for the City as a whole.

The rate model customer classes are outlined in **Table II-1**. This table presents the total customers by defined class for the test year FY 2023.

There are 2,065 water accounts and 1,467 wastewater accounts in the City in the test year.

TABLE II-1

CITY OF FAIRFIELD

EXISTING CUSTOMER CLASSES

WATER Customer Accounts		WASTEWATER Customer Accounts	
Residential	1,162	Residential	1,140
BH, CH, GOV, INS, SCH, C	346	BH, CH, GOV, INS, SCH, C	284
Multi Family	21	Multi Family	14
TDC	2	Outside	25
IND	4	TDC	1
Irrigation	44	IND	3
Outside City	62		
Westwood	424		
Total Accounts	**2,065**	**Total Accounts**	**1,467**

Water and Wastewater Customers and Accounts – Test Year & Ten-Year Forecast

The majority of the water accounts served by Fairfield are Residential, with the balance being Commercial, Multi Family, TDCJ, Industrial, Irrigation, Outside City and Westwood. Similarly, the majority of wastewater accounts are Residential with the remaining composed of Commercial, Multi Family, Outside City, TDCJ and Industrial. **Table II-2** presents total water accounts for the City for the test year and forecast period.

TABLE II-2

CITY OF FAIRFIELD

FORECAST TOTAL CUSTOMERS

WATER Customer Classes

Fiscal Year	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	TDC	IND	Irrigation	Outside City	Westwood	Total
WATER Total Customers									
FY 2020	1,110	328	19	2	4	46	49	417	**1,975**
FY 2021	1,118	336	20	2	4	45	52	417	**1,994**
Last 12 Montl	1,131	336	21	2	4	45	58	420	**2,016**
FY 2023	1,162	346	21	2	4	44	62	424	**2,065**
FY 2024	1,197	353	21	2	4	44	65	428	**2,115**
FY 2025	1,229	359	21	2	4	45	68	432	**2,161**
FY 2026	1,262	366	22	2	4	45	71	436	**2,208**
FY 2027	1,296	372	22	2	4	46	74	440	**2,256**
FY 2028	1,330	379	22	2	4	46	77	444	**2,303**
FY 2029	1,363	385	22	2	4	46	81	447	**2,351**
FY 2030	1,396	391	22	2	4	47	84	451	**2,397**
FY 2031	1,430	398	23	2	4	47	87	455	**2,445**
FY 2032	1,462	403	23	2	4	48	91	458	**2,490**
WATER Annual New Customers									
FY 2021	9	8	1	-	(0)	(1)	3	0	**19**
Last 12 Montl	13	0	1	-	0	(0)	7	3	**23**
FY 2023	31	10	0	-	-	(1)	4	4	**49**
FY 2024	35	7	0	-	-	0	3	4	**50**
FY 2025	32	6	0	-	-	0	3	4	**46**
FY 2026	33	6	0	-	-	0	3	4	**47**
FY 2027	34	7	0	-	-	0	3	4	**48**
FY 2028	33	6	0	-	-	0	3	4	**47**
FY 2029	34	6	0	-	-	0	3	4	**48**
FY 2030	33	6	0	-	-	0	3	4	**46**
FY 2031	34	6	0	-	-	0	3	4	**47**
FY 2032	32	6	0	-	-	0	3	3	**45**

For each of the historical years, the average number of accounts for the year is shown and the growth reflects the difference from one fiscal year to the next. Overall water accounts are forecast to increase from **2,065** in the test year to **2,490** in FY 2032, an average annual increase of 2.1%.

Despite the fact that the majority of the water accounts in the test year are Residential, they are responsible only for 25% of the total water consumption in the City. The largest water consumer in the test year is TDCJ with 31% of overall water consumption. **Chart II-3** represents water consumption by rate class as a percentage of a total.

CHART II-3

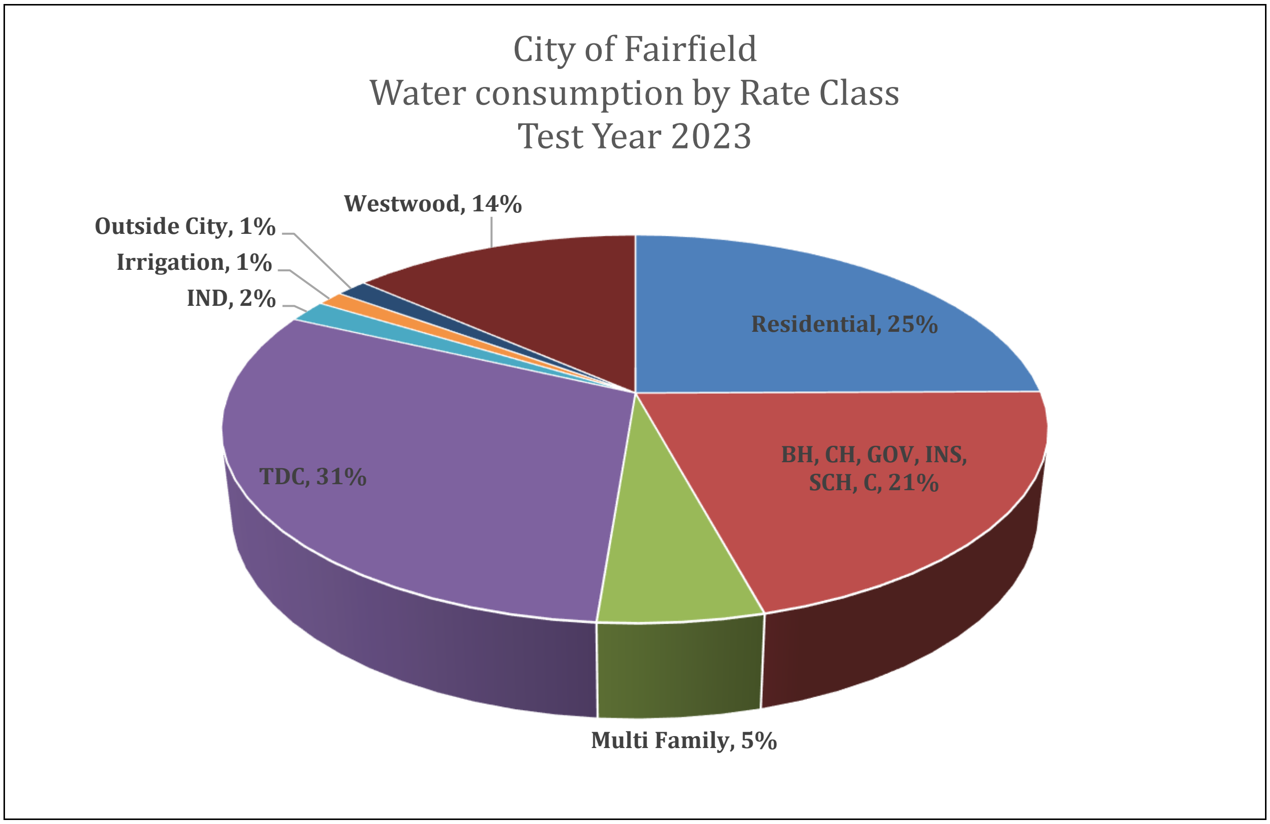

City of Fairfield
Water consumption by Rate Class
Test Year 2023
Westwood, 14%
Outside City, 1%
Irrigation, 1%
IND, 2%
Residential, 25%
BH, CH, GOV, INS, SCH, C, 21%
TDC, 31%
Multi Family, 5%

Table II-4 presents the project team's ten-year forecast of wastewater account growth. Wastewater accounts are forecast to increase from **1,467** in the test year to **1,855** in FY 2032, an average annual increase of 2.6%.

TABLE II-4

CITY OF FAIRFIELD

FORECAST TOTAL CUSTOMERS

WASTEWATER Customer Classes

Fiscal Year	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	Outside	TDC	IND	Total
WASTEWATER Total Customers							
FY 2020	1,094	274	12	21	1	3	**1,404**
FY 2021	1,098	275	13	20	1	3	**1,410**
Last 12 Montl	1,110	275	13	21	1	3	**1,423**
FY 2023	1,140	284	14	25	1	3	**1,467**
FY 2024	1,175	291	14	28	1	3	**1,512**
FY 2025	1,207	297	14	31	1	3	**1,554**
FY 2026	1,240	304	15	34	1	3	**1,597**
FY 2027	1,274	310	15	37	1	3	**1,641**
FY 2028	1,308	317	15	40	1	3	**1,684**
FY 2029	1,341	323	15	44	1	3	**1,727**
FY 2030	1,374	329	15	47	1	3	**1,770**
FY 2031	1,408	336	16	50	1	3	**1,813**
FY 2032	1,440	341	16	54	1	3	**1,855**
WASTEWA'TER Annual New Customers							
FY 2021	5	0	1	(1)	-	0	**5**
Last 12 Montl	11	(0)	1	1	-	0	**13**
FY 2023	30	10	1	4	-	-	**44**
FY 2024	35	7	0	3	-	-	**45**
FY 2025	32	6	0	3	-	-	**42**
FY 2026	33	6	0	3	-	-	**43**
FY 2027	34	7	0	3	-	-	**44**
FY 2028	33	6	0	3	-	-	**43**
FY 2029	34	6	0	3	-	-	**44**
FY 2030	33	6	0	3	-	-	**42**
FY 2031	34	6	0	3	-	-	**43**
FY 2032	32	6	0	3	-	-	**42**

It must be emphasized that **if the City does not acquire these projected new connections, financial and rate plan assumptions will have to be substantially modified.**

Historical and Forecast Water Consumption

Total water system consumption data was analyzed over the same time period as customer data. A combination of consumption over the past 12 months and historical trends were used as the basis for the development of the forecast water and wastewater volumes within the rate model.

The project team prepared a ten-year forecast of water usage based on the same principles on which customer accounts were projected. An annual combined growth rate of 1.29% for all customer classes. The results of this forecast for water usage are presented in **Table II-5** and **Chart II-6.** Projections contained in this report include adjustments based on the impacts of normal customer growth and no drought restrictions and designed to forecast usage under normal conditions.

With these adjustments, by FY 2032 retail water usage is expected to reach **289,436,278** gallons, with **258,008,898** gallons provided in the test year.

TABLE II-5

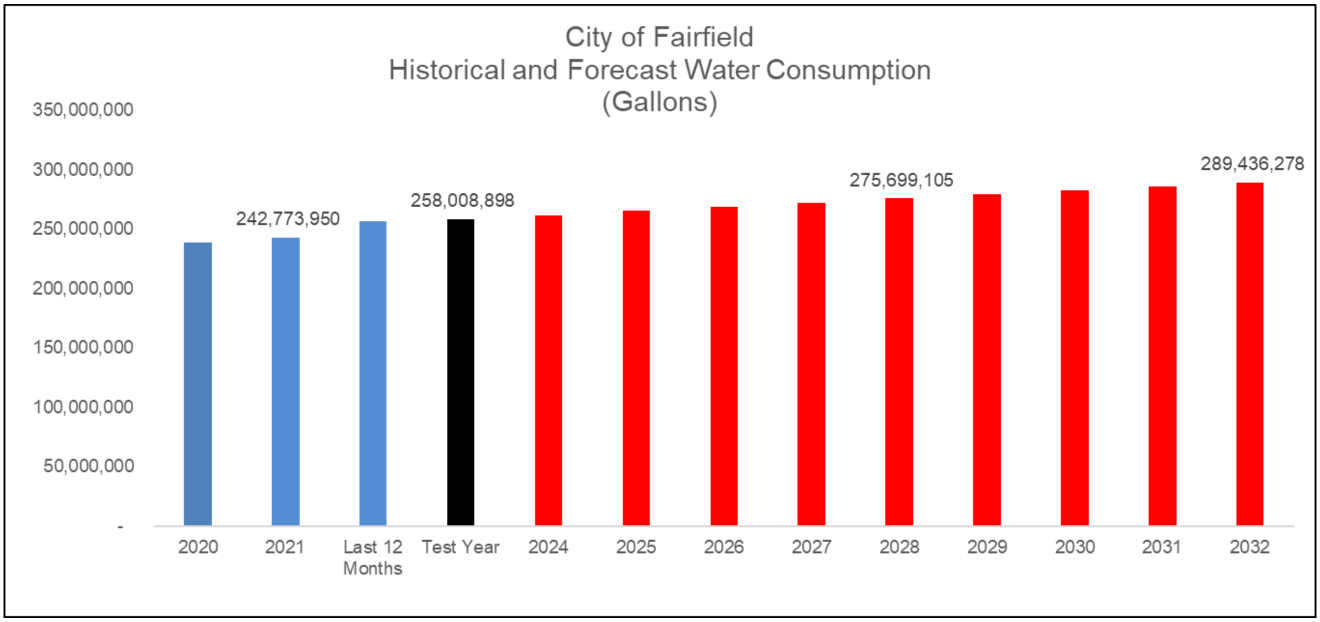
CITY OF FAIRFIELD

FORECAST BILLED CONSUMPTION

WATER Customer Classes

	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	TDC	IND	Irrigation	Outside City	Westwood	Total
WATER Historical Volume									
2020	59,070,400	47,306,000	11,239,100	81,906,000	4,057,700	2,854,200	2,871,100	29,333,200	**238,637,700**
2021	57,712,900	52,467,950	11,721,600	82,784,000	4,377,000	1,880,200	3,095,900	28,734,400	**242,773,950**
Last 12 Months	63,231,700	53,550,800	14,020,400	79,311,000	4,716,100	3,159,000	3,611,400	34,716,400	**256,316,800**
WATER Forecast Volume									
Test Year	64,170,511	54,019,174	14,020,400	79,311,000	4,716,100	3,159,000	3,731,780	34,880,933	**258,008,898**
2024	66,095,627	55,099,558	14,160,604	79,311,000	4,716,100	3,190,590	3,918,369	35,229,742	**261,721,589**
2025	67,880,209	56,091,350	14,288,049	79,311,000	4,716,100	3,219,305	4,094,696	35,546,810	**265,147,518**
2026	69,712,974	57,100,994	14,416,642	79,311,000	4,716,100	3,248,279	4,278,957	35,866,731	**268,651,677**
2027	71,595,224	58,128,812	14,546,392	79,311,000	4,716,100	3,277,514	4,471,510	36,189,532	**272,236,083**
2028	73,420,903	59,117,002	14,670,036	79,311,000	4,716,100	3,305,372	4,661,549	36,497,143	**275,699,105**
2029	75,293,136	60,121,991	14,794,731	79,311,000	4,716,100	3,333,468	4,859,665	36,807,368	**279,237,459**
2030	77,100,171	61,083,943	14,913,089	79,311,000	4,716,100	3,360,136	5,054,052	37,101,827	**282,640,318**
2031	78,950,575	62,061,286	15,032,394	79,311,000	4,716,100	3,387,017	5,256,214	37,398,642	**286,113,227**
2032	80,726,963	62,992,205	15,145,137	79,311,000	4,716,100	3,412,420	5,453,322	37,679,132	**289,436,278**

CHART II-6



Peaking Factors

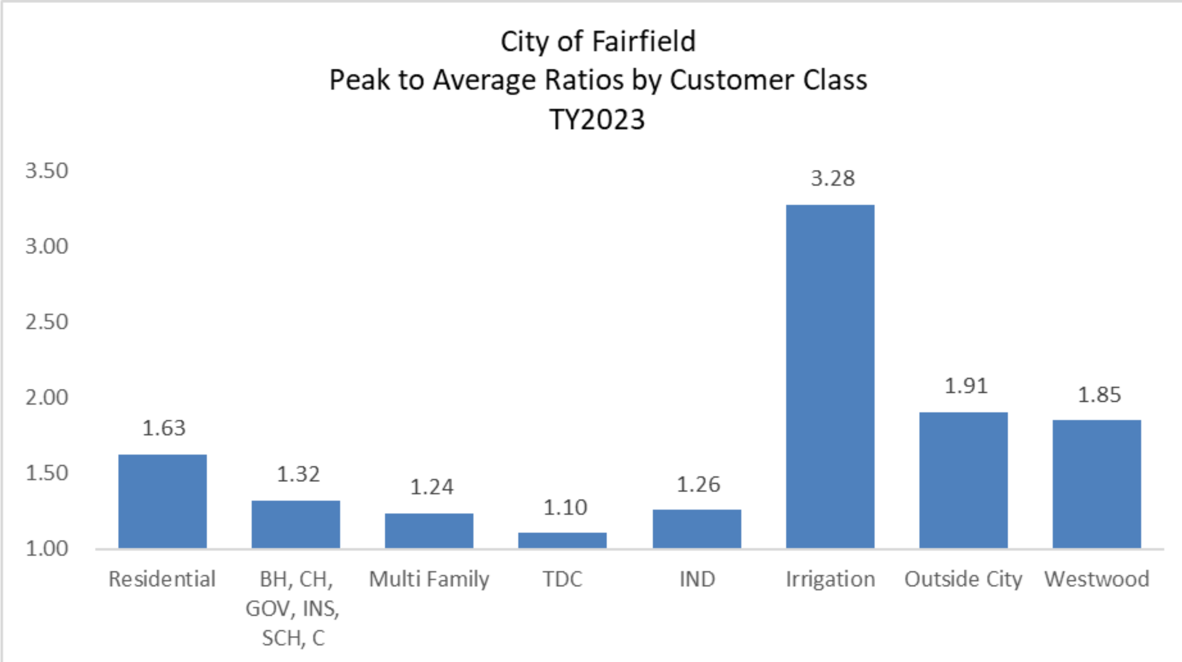
The cost of providing water to customers depends not only on the amount of water each class uses, but also on how that usage occurs over time. The maximum-day and maximum-hour peaking requirements of a water utility's customers are an important influence on the utility's costs. Because water utilities attempt to meet all of the demands of their customers, water systems are sized to meet customers' peak requirements. Therefore, during off-peak periods, there are usually significant costs associated with the unused capacity of the system. These costs must be allocated to customers in proportion to the contribution of each customer class to the system peak, in order to develop equitable cost-based rates. Thus, it is necessary to determine the peak rate of use relative to the average rate of use for each class. This ratio is called a ***Peaking Factor***.

The consumption data by class provided by the City was utilized in the rate model to calculate the peak day factor and peaking factors for individual rate classes.

The calculation of peaking factors for individual classes relies on available pumping and consumption information as well as professional judgment. If customer meters could record daily flow rates for each customer, more refined information could be obtained on peaking factors. This is not feasible because of the enormous cost that would be imposed on the utility. Therefore, it is accepted practice in the water industry to develop peaking factor estimates based on standard formulas using system peak day information and monthly customer class usage records. This is a conservative methodology, since customer class peaking factors based on peak months will inevitably be lower than the system-wide peaking factor, which is based on the peak day.

Based on AWWA guidelines, the customer class peaking factors calculated in this study are for non-coincidental peaks. The peaking factors developed for this analysis are based on actual monthly water consumption by customer class for the recent twelve-month period, September 2021 – August 2022. The calculations of the peaking factors by class are presented graphically in **Chart II-7**.

CHART II-7



A general ratemaking rule for inside city customers under the cash basis is that **the higher the peak to average ratio, the higher the unit cost of service for a given customer class.** While this is not an absolute rule, it is a good general indicator as to which customer classes are incurring the greatest costs to provide service. This principle will be examined more thoroughly in Section III.

Historical and Forecast Wastewater Flows

The City currently calculates wastewater charges for all customers based on 100% water consumption.

As with water billed consumption, the project team prepared a ten-year forecast of wastewater billing units. Since individual wastewater usage is not metered, it is derived from the water consumption figures for each customer class. The billing unit forecast is derived using anticipated growth in accounts as depicted in Table II-2. The results of the forecast are presented in **Table II-8**.

TABLE II-8

CITY OF FAIRFIELD

FORECAST BILLED CONSUMPTION

WASTEWATER Customer Classes

	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	Outside	TDC	IND	Total
WASTEWATER Historical Volume							
2020	57,967,000	37,667,500	11,237,400	1,015,000	60,259,000	935,700	**169,081,600**
2021	56,539,700	39,379,500	11,720,200	767,300	59,436,000	1,156,500	**168,999,200**
Last 12 Months	61,953,700	41,939,200	14,010,200	1,098,400	57,337,000	1,337,900	**177,676,400**
WASTEWATER Forecast Volume							
Test Year	62,891,557	42,386,949	14,010,200	1,193,913	57,337,000	1,337,900	**179,157,519**
2024	64,814,714	43,419,758	14,220,353	1,341,958	57,337,000	1,337,900	**182,471,684**
2025	66,597,481	44,367,877	14,411,382	1,481,861	57,337,000	1,337,900	**185,533,501**
2026	68,428,383	45,333,061	14,604,130	1,628,059	57,337,000	1,337,900	**188,668,534**
2027	70,308,719	46,315,619	14,798,613	1,780,837	57,337,000	1,337,900	**191,878,688**
2028	72,132,541	47,260,294	14,983,945	1,931,619	57,337,000	1,337,900	**194,983,299**
2029	74,002,870	48,221,028	15,170,852	2,088,810	57,337,000	1,337,900	**198,158,460**
2030	75,808,067	49,140,621	15,348,260	2,243,042	57,337,000	1,337,900	**201,214,890**
2031	77,656,590	50,074,926	15,527,086	2,403,444	57,337,000	1,337,900	**204,336,946**
2032	79,431,171	50,964,853	15,696,078	2,559,835	57,337,000	1,337,900	**207,326,837**

Two points are notable about this table. First, as with water, these billing units are forecast based on the growth of wastewater accounts and anticipated consumption ratios built into the rate model based on the growth projections provided by City personnel. Secondly, wastewater usage is not subject to the significant fluctuations experienced by water accounts. This is because the water volume fluctuation is largely due to outdoor usage that is not returned to the wastewater system. The table reveals that wastewater billing units are forecast to increase by an annual average of 1.64% over the forecast period.

Section III

SECTION III

Water and Wastewater Forecast Revenue Requirement

In this section of the water and wastewater rate study and long-term financial plan, the City of Fairfield test year and forecast water and wastewater utility revenue requirements are developed. The test year consists of the City's fiscal year, October 1, 2022, through September 30, 2023. The estimates presented in this section are based on the City's budget for FY 2023.

The calculation of a revenue requirement differs from a utility's budget in that it represents only that amount that must be raised through the City's user rates. This means that non-rate revenue (such as reconnection fees, late payment charges and interest) must be subtracted from the budgeted operating and capital expenditures to determine the net revenue requirement to be raised from rates.

According to the American Water Works Association ("AWWA") **Manual M-1**, there are two primary generally accepted approaches to determining revenue requirements with additional hybrid variations. Manual M-1 specifically pertains to water ratemaking, although these principles are equally applicable to wastewater ratemaking. The approaches are defined within the manual as follows:

Cash Needs Approach – this approach seeks to ensure that utility revenues are sufficient to recover total cash needs for a given period. The revenue requirement components of this approach include O&M expenses, debt-service principal and interest payments, and capital outlays that are not funded by long-term debt. Depreciation expense is not considered to be a cash expense and is therefore not included. The cash-needs approach is generally used by government-owned utilities for *customers who reside inside the city limits* and is generally preferred by most government utilities**.**

Utility Basis Approach – When a government-owned utility provides service to customers outside its geographical limits, the situation is similar to that of an investor-owned utility to its customers because the owner provides service to non-owner customers (customers outside the geographical limits of the city). In this situation, the government-owned utility is entitled to a reasonable return from non-owner customers based on the value of the plant it constructs to provide service to these customers. In these cases, some version of the Utility Approach may be used. The main differences between using the Cash Basis and the Utility Basis in the development of the cost of service is that the cost basis under the Utility Basis includes depreciation and a return on investment but does not include capital outlays or debt principal in the calculation of the revenue requirement.

There are additional burdens for a utility employing the Utility Basis methodology as well, such as a greater complexity of accounting and record keeping issues due to the application of a rate of return on various components of the utility's rate base and a requirement for the utility to track grants, system development charges, and other contributions in aid of construction associated with specific assets because they reduce the total value of the rate base.

While the Utility basis is generally recommended when providing service outside the city or to wholesale customers, there are hybrid methodologies that can be more applicable to certain situations, including that of Fairfield.

To maintain consistency with national ratemaking standards, and to achieve a just and reasonable rate structure for all customers of the Fairfield system, the revenue requirement logic built into the rate model is based on the Cash Needs Approach for Retail inside City water customers and Utility Basis for outside City customers.

All data used in the development of the revenue requirements was obtained from the financial statements, budgets and other information provided by the City. Calculation summaries are presented in the rate model provided in **Appendix A** in conjunction with this report. For rate design purposes, revenue requirements are developed separately for the water and wastewater systems.

The assumptions utilized in this expense forecast will be thoroughly detailed in this section of the report. These assumptions are critical to the development of both the revenue requirement and the ultimate rate recommendation. The project team reviewed these assumptions with the City staff and considers all to be consistent with staff recommendations.

In this section, current and forecast Operating Costs, Capital Outlays, Transfers, and Debt Service will be examined first. Non-rate revenues will be subtracted from the total to yield the Net Revenue Requirement.

Operating Expenses, Capital Outlays and Transfers – Test Year

Table III-1 summarizes the test year FY 2023 water and wastewater systems operating expenses, capital outlays and transfers in detail by cost center.

The following is noteworthy about these tables:

- There are four cost centers within the City's Water and Wastewater Operating Budget:
    - **TDCJ –** are the costs related to providing water and wastewater service to the TDCJ facility.
    - **Water Services –** are the costs related to providing water to Residential and Non-Residential customers.
    - **Wastewater Services –** are the costs associated with collecting, treating and disposing of wastewater**.**
    - **Westwood Water –** are the costs related to providing water to Westwood development.

Expenses in each of these cost centers are then allocated to one the following sub-categories: Personnel; Contractual Services; Supplies & Materials; Supplies & Maintenance; Other Charges (Insurance and Transfers); Bonds.

As Table III-1 shows, total operating expenses, transfers, and capital outlays in the test year are **$2,440,016** of which $1,406,067 is for the water utility and $1,033,949 is for the wastewater utility.

TABLE III-1

CITY OF FAIRFIELD

TEST YEAR 2023 Operating expences, Capital Outlays and Transfers

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

	Total Budget	Water	Wastewater
Total Operating	**$ 1,905,266**	**$ 977,442**	**$ 927,824**
TDCJ	398,494	199,247	199,247
Water Services	643,984	643,984	-
Wastewater Services	728,577	-	728,577
Westwood Water	134,211	134,211	-
Transfers	**145,000**	**145,000**	**-**
Capital Outlays	**389,750**	**283,625**	**106,125**
TOTAL	**$ 2,440,016**	**$ 1,406,067**	**$ 1,033,949**

Operating Expenses, Capital Outlays and Transfers – Ten Year Forecast

Table III-2 presents the water and wastewater utility operating expense, capital outlay and transfers forecast for the ten-year period FY 2023 – FY 2032. Details behind these calculations can be found in the rate model contained in **Appendix A**. This forecast is based on the following set of assumptions:

- Most operating costs are expected to increase at an annual rate of 3.0% - 5.0%, which is approximately equivalent to the rate of inflation.
- Certain expenses will increase at higher rates to reflect the forecast growth in accounts and volumes. These expenses include chemicals, maintenance, and system repairs.
- Certain expenses will increase at above-inflation rates, to reflect the rapid increase of these costs. These expenses include workers compensation, Medicare, and insurance.

TABLE III-2

CITY OF FAIRFIELD

FORECAST OPERATING EXPENSES

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032
WATER										
TDCJ	$ 199,247	$ 204,924	$ 210,809	$ 216,909	$ 223,922	$ 231,188	$ 238,717	$ 246,520	$ 254,609	$ 262,997
Water Services	643,984	662,829	682,350	702,575	725,235	748,702	773,010	798,195	824,293	851,344
TDCJ Water Line	-	-	-	-	-	-	-	-	-	-
Wastewater Services	-	-	-	-	-	-	-	-	-	-
Westwood Water	134,211	138,072	142,058	146,171	150,649	155,270	160,039	164,962	170,044	175,290
Transfers	145,000	149,350	153,721	158,252	162,949	168,245	173,733	179,420	185,316	191,428
Capital Outlays	283,625	203,625	203,625	203,625	203,625	203,625	203,625	203,625	203,625	203,625
Total	**1,406,067**	**1,358,800**	**1,392,562**	**1,427,533**	**1,466,381**	**1,507,031**	**1,549,125**	**1,592,723**	**1,637,887**	**1,684,684**
WASTEWATER										
TDCJ	$ 199,247	$ 204,924	$ 210,809	$ 216,909	$ 223,922	$ 231,188	$ 238,717	$ 246,520	$ 254,609	$ 262,997
Water Services	-	-	-	-	-	-	-	-	-	-
TDCJ Water Line	-	-	-	-	-	-	-	-	-	-
Wastewater Services	728,577	750,283	772,808	796,188	822,588	849,974	878,392	907,886	938,506	970,302
Westwood Water	-	-	-	-	-	-	-	-	-	-
Transfers	-	-	-	-	-	-	-	-	-	-
Capital Outlays	106,125	243,125	243,125	243,125	243,125	243,125	243,125	243,125	243,125	243,125
Total	**1,033,949**	**1,198,332**	**1,226,741**	**1,256,223**	**1,289,635**	**1,324,288**	**1,360,234**	**1,397,531**	**1,436,240**	**1,476,424**
Water/WW Total	**2,440,016**	**2,557,132**	**2,619,304**	**2,683,755**	**2,756,016**	**2,831,318**	**2,909,359**	**2,990,254**	**3,074,127**	**3,161,108**

Capital Improvement Plan

The purpose of the CIP is to rehabilitate and maintain the existing system, expand the system and to service new growth. In addition, the project team consulted with City Staff to forecast CIP through the end of the rate plan period.

The capital improvement plan is an integral part of any long-term rate and financing plan. **Table III-3** reveals that the City's current CIP over the next ten years is estimated to be **$3,600,000** for the water system, and **$2,802,500** for the wastewater system. The City intends to fund its CIP through a combination of reserves, previous funding, ARPA grant, third-party funding (TDCJ) and long-term debt.

In FY 2027 the City is forecast to issue revenue bond totaling **$3,500,000.00** for the currently identified water and wastewater capital improvement projects. Annual forecast debt issues are presented in **Chart III-4**. If the City makes significant changes to the CIP provided by the City staff or the amount of revenue-funded long-term debt than the assumption in the rate model will need to be revised.

Table III-3

CITY OF FAIRFIELD

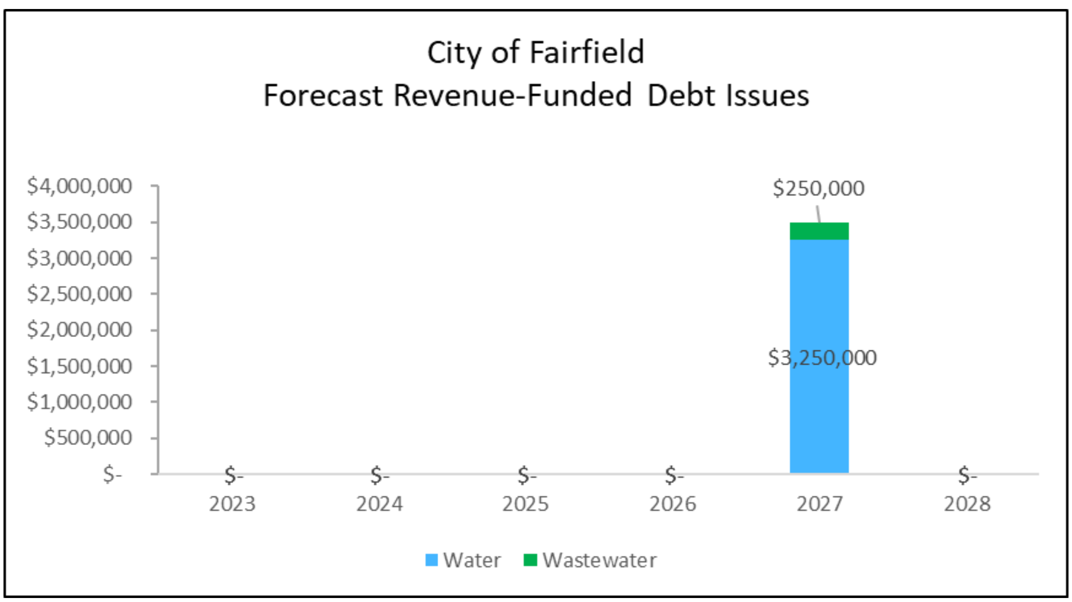
Capital Improvement Plan FY 2023 - FY 2027

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

WATER PROJECTS		**Funding Source**
Ivy Well Water Plant	$ 3,000,000	Debt Funded
Phase 4 Water Loop	350,000	Already Funded
Scada System	250,000	Debt Funded
Total Water Projects	**$ 3,600,000**	

WASTEWATER PROJECTS		**Funding Source**
Aeration Basin with Diffused Air	$ 1,500,000	TDCJ Funded
Re-Route Sewer	150,000	Direct from Reserves
Install Manhole	2,500	Direct from Reserves
Sewer Line Rehab- Service Truck Depot	500,000	Direct from Reserves
South Fairway (75) Sewer Line Rehab	400,000	ARPA Grant
Scada System	250,000	Debt Funded
Total Wastewater Projects	**$ 2,802,500**	
Total Water and Wastewater	**$ 6,402,500**	

Chart III-4



Existing and Forecast Debt Service

Table III-5 presents current and forecast debt service assuming that the City issues new water and wastewater revenue bond in FY 2027 to partially fund the CIP according to the schedule presented in Chart III-4. Debt service is currently being paid from contributions from the City's Utility System Revenue. For FY 2027 forward, it is projected that newly-issued bond will be repaid entirely with Utility System Revenues. Future revenue debt is assumed to have a 20-year term, 4.0% interest rate and level principal and interest payments.

As shown in the rate model presented in Appendix A, the City is assumed to issue approximately **$3,250,000.00** in water-related debt and **$250,000.00** in wastewater-related debt over the next ten years. This results in an annual increase of debt service greater than the City is currently funding, beginning in the year 2028.

These assumptions are preliminary in nature and subject to change. Should the City Council choose to issue more or less revenue debt than assumed in this study, or should different finance terms be available at the time the debt is issued, then the rate plans contained in this study may require revision.

Table III-5

CITY OF FAIRFIELD

Current and Forecast Debt Service

Scenario: 2023 09 06 -- Scenario I -- Status Quo

		WATER		WASTEWATER		
	Year	Current	Forecast	Current	Forecast	Total
FY	2023	$ 469,737	$ -	144,075	-	**$ 613,812**
FY	2024	469,762	-	144,100	-	**613,862**
FY	2025	469,712	-	144,050	-	**613,762**
FY	2026	469,587	-	143,925	-	**613,512**
FY	2027	469,387	-	143,725	-	**613,112**
FY	2028	469,112	243,924	143,450	18,763	**875,249**
FY	2029	468,762	243,924	143,100	18,763	**874,549**
FY	2030	468,337	243,924	142,675	18,763	**873,699**
FY	2031	467,837	243,924	142,175	18,763	**872,699**
FY	2032	469,762	243,924	144,100	18,763	**876,549**

Non-Rate Revenues

Although sales revenues constitute the majority of the revenue received by the City for water and wastewater service, a certain amount of revenue is accrued from non-rate sources. These revenues include miscellaneous revenues, connection charges, and penalties revenues. These non-rate revenues are subtracted from the overall budget to determine the revenue requirement to be raised from rates. **Table III-6** shows that the test year FY 2023 non-rate revenues total $279,000.

TABLE III-6

CITY OF FAIRFIELD

Non-Rate Revenues

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

	WATER		WASTEWATER		TOTAL
	Non-Rate Revenue	Total	Non-Rate Revenue	Total	
FY 2023	$ 279,000	**$ 279,000**	$ -	**$ -**	**$ 279,000**
FY 2024	81,370	**81,370**	-	**-**	**81,370**
FY 2025	83,811	**83,811**	-	**-**	**83,811**
FY 2026	86,325	**86,325**	-	**-**	**86,325**
FY 2027	88,915	**88,915**	-	**-**	**88,915**
FY 2028	91,583	**91,583**	-	**-**	**91,583**
FY 2029	94,330	**94,330**	-	**-**	**94,330**
FY 2030	97,160	**97,160**	-	**-**	**97,160**
FY 2031	100,075	**100,075**	-	**-**	**100,075**
FY 2032	103,077	**103,077**	-	**-**	**103,077**

Net Revenue Requirement

Table III-7 presents the City's net revenue requirement for the water and wastewater utility for the test year FY 2023 and forecast period. As the table shows, the City's net revenue requirement is forecast to increase from **$2,774,828** in FY 2023 to **3,934,580** in FY 2032, an average annual increase of 4.02%.

Detailed calculations are presented in the rate model contained in Appendix A of this report.

TABLE III-7

CITY OF FAIRFIELD

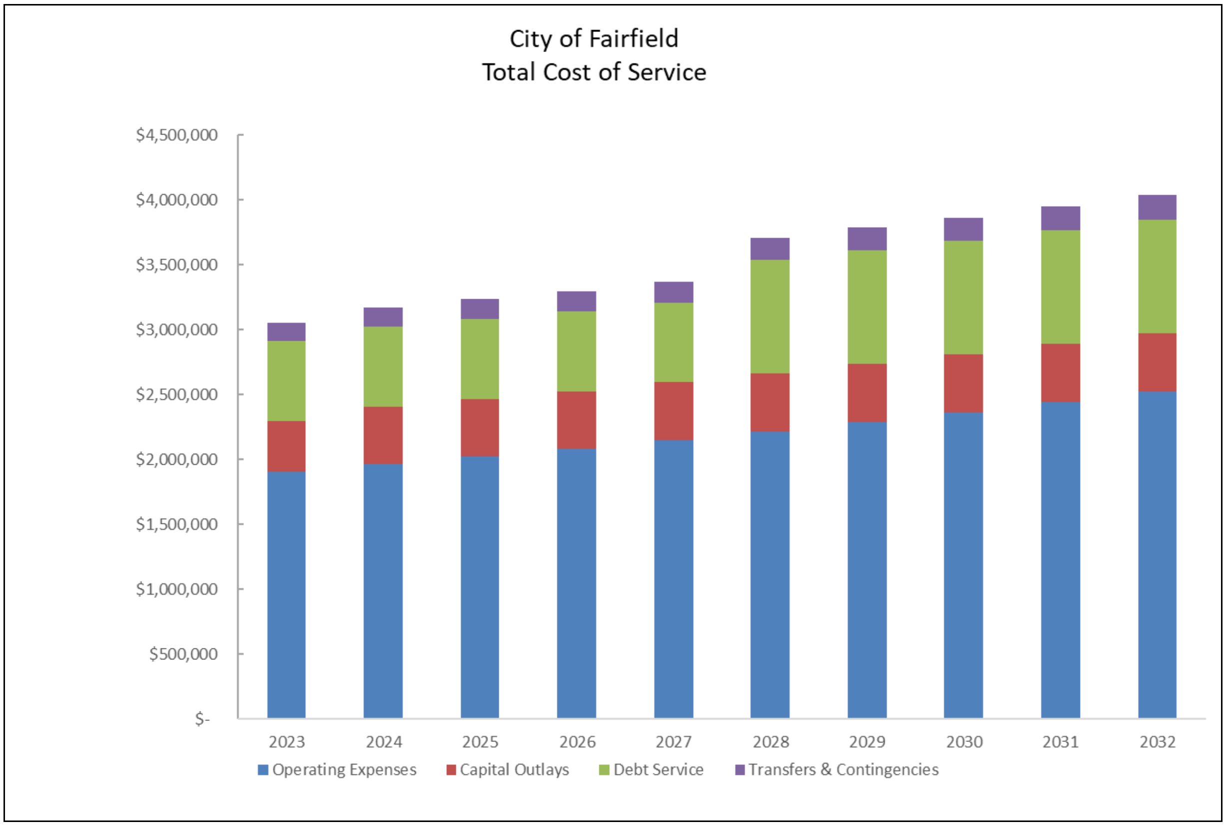
FORECAST NET REVENUE REQUIREMENTS

SCENARI(2023 09 06 -- Scenario I -- Status Quo

	Operating Expenses	Capital Outlays	Debt Service	Transfers & Contingencies	Total Cost of Service	Less Non-Rate Revenues	Net Revenue Requirement
WATER Revenue Requirement							
2023	$ 977,442	$ 283,625	$ 469,737	$ 145,000	**$ 1,875,804**	$ 279,000	**$ 1,596,804**
2024	1,005,825	203,625	469,762	149,350	**1,828,562**	81,370	**1,747,192**
2025	1,035,216	203,625	469,712	153,721	**1,862,274**	83,811	**1,778,463**
2026	1,065,656	203,625	469,587	158,252	**1,897,120**	86,325	**1,810,794**
2027	1,099,806	203,625	469,387	162,949	**1,935,768**	88,915	**1,846,853**
2028	1,135,160	203,625	713,036	168,245	**2,220,066**	91,583	**2,128,484**
2029	1,171,767	203,625	712,686	173,733	**2,261,811**	94,330	**2,167,480**
2030	1,209,677	203,625	712,261	179,420	**2,304,983**	97,160	**2,207,823**
2031	1,248,946	203,625	711,761	185,316	**2,349,648**	100,075	**2,249,573**
2032	1,289,630	203,625	713,686	191,428	**2,398,369**	103,077	**2,295,292**
WASTEWATER Revenue Requirement							
2023	$ 927,824	$ 106,125	$ 144,075	$ -	**$ 1,178,024**	$ -	**$ 1,178,024**
2024	955,207	243,125	144,100	-	**1,342,432**	-	**1,342,432**
2025	983,616	243,125	144,050	-	**1,370,791**	-	**1,370,791**
2026	1,013,098	243,125	143,925	-	**1,400,148**	-	**1,400,148**
2027	1,046,510	243,125	143,725	-	**1,433,360**	-	**1,433,360**
2028	1,081,163	243,125	162,213	-	**1,486,501**	-	**1,486,501**
2029	1,117,109	243,125	161,863	-	**1,522,097**	-	**1,522,097**
2030	1,154,406	243,125	161,438	-	**1,558,970**	-	**1,558,970**
2031	1,193,115	243,125	160,938	-	**1,597,179**	-	**1,597,179**
2032	1,233,299	243,125	162,863	-	**1,639,288**	-	**1,639,288**
Total Water and Wastewater Revenue Requirement							
2023	$ 1,905,266	$ 389,750	$ 613,812	$ 145,000	**$ 3,053,828**	$ 279,000	**$ 2,774,828**
2024	1,961,032	446,750	613,862	149,350	**3,170,994**	81,370	**3,089,624**
2025	2,018,832	446,750	613,762	153,721	**3,233,066**	83,811	**3,149,255**
2026	2,078,753	446,750	613,512	158,252	**3,297,267**	86,325	**3,210,942**
2027	2,146,317	446,750	613,112	162,949	**3,369,128**	88,915	**3,280,213**
2028	2,216,323	446,750	875,249	168,245	**3,706,567**	91,583	**3,614,985**
2029	2,288,876	446,750	874,549	173,733	**3,783,908**	94,330	**3,689,578**
2030	2,364,084	446,750	873,699	179,420	**3,863,953**	97,160	**3,766,793**
2031	2,442,061	446,750	872,699	185,316	**3,946,826**	100,075	**3,846,751**
2032	2,522,930	446,750	876,549	191,428	**4,037,657**	103,077	**3,934,580**

Chart III-8 presents a structure of annual water and wastewater total cost of service for City's operating expenses, capital outlays, debt service and transfers & contingencies.

CHART III-8



Water Utility Cost Functionalization

Once the total water and wastewater system costs have been identified, the next step in the rate development process is to isolate the costs associated with each system function. Some of these expenditures are a function of base water demand; others are based on the peak demands placed on the system. Certain costs are associated with serving customers regardless of the volume of water use or wastewater discharge. The basic steps used to allocate the City's water revenue requirements include the following:

1. Each system's costs (revenue requirements) are categorized by utility function (i.e. treatment, supply, distribution, administrative, customer). This process is known as *functionalization*.
2. Functionalized costs are classified based on the service characteristics or the types of demand served by the utility (base and maximum day). This process is known as *classification.*
3. Costs by service characteristic are allocated to customer classes in proportion to the service demands demonstrated by each class.

This three-step process allows for the allocation of system costs in the same terms as customer classes. The approaches described in this section follow standard industry practices. Water system costs are allocated to the following functions:

Treatment – the process by which raw water is converted to potable water

Supply – the cost of the City's water supply

Distribution – the lines that carry water to individual customers' properties

Administration – miscellaneous overhead and other non-operating costs

Customer Billing – the processes involved in billing and providing other services to customers

The project team allocated operating budget line-item expenses individually to system functions based on general guidelines, specific research, and input from City staff. The results of the allocation process for the test year are presented in **Table III-9**.

TABLE III-9

CITY OF FAIRFIELD

TEST YEAR WATER COST FUNCTIONALIZATION

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

Function	TY 2023 CASH Basis Revenue Requirement	Percent
Treatment	$ 171,327	10.7%
Distribution	714,158	44.7%
Administration	612,839	38.4%
Customer	98,480	6.2%
Total	**1,596,804**	**100.0%**

Water Utility Cost Classification

The allocation of functionalized water system costs to service characteristics follows the base-extra capacity cost allocation method recommended by AWWA. Using this method, costs are segregated into the following categories:

Base costs – capital costs and O&M expenses associated with service to customers under average demand conditions. This category does not include any costs attributable to variations in water use resulting from peaks in demand. Base costs tend to vary directly with the total quantity of water used.

Maximum Day/Extra Capacity costs – costs attributable to facilities that are designed to meet peaking requirements. These costs include capital and operating charges for additional plant and system capacity beyond that required for average usage.

Customer Billing costs – costs associated with any aspect of customer service, including billing, accounting, and meter services. These costs are independent of the amount of water used and the size of the customer's meter and are not subject to peaking factors.

According to AWWA Manual M-1, in the base-extra capacity method, care must be taken in separating costs between those devoted to base capacity and those devoted to extra capacity. Over the past twelve months the system's maximum day to average day ratio (known as the *system peaking factor*) was calculated to be 1.38. The peak to average factor is calculated by dividing the volume on the peak day of the year by the average daily volume.

All customer service-related costs are allocated 100% to customer billing. Administration costs are generally not directly assignable to individual classifications. Therefore, it is standard ratemaking practice to allocate these costs on an indirect basis to service characteristics.

The rate model in Appendix A provides the detailed allocations of costs to service characteristics. The system-wide costs by service characteristic are shown in **Table III-10**. As with cost functionalization, these percentages are not expected to change significantly in the forecast period.

TABLE III-10

CITY OF FAIRFIELD

TEST YEAR WATER COST CLASSIFICATION

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

Function	TY 2023 CASH Basis Revenue Requirement	Percent
Base	$ 957,992	59.99%
Maximum Day	478,996	30.00%
Customer	159,816	10.01%
Total	**1,596,804**	**100.0%**

Water Utility Cost Allocation

Allocation of costs by service characteristic to customer classes is based on the proportionate usage levels of each characteristic by each class. The water utility costs for test year FY 2023 by customer class are presented in **Table III-11.** The total water utility costs by customer class for the entire forecast period are summarized in **Table III-12.** Overall cost calculations are presented in detail in the rate model contained in Appendix A.

TABLE III-11

CITY OF FAIRFIELD

TEST YEAR WATER COST ALLOCATION

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

Function	TY 2023 CASH Basis Revenue Requirement	Percent
Residential	$ 422,032	26.4%
BH, CH, GOV, INS, SCH, C	266,328	16.7%
Multi Family	61,051	3.8%
TDC	309,211	19.4%
IND	20,546	1.3%
Irrigation	33,301	2.1%
Outside City	32,620	2.0%
Westwood	451,715	28.3%
Total	**1,596,804**	**100.0%**

TABLE III-12

CITY OF FAIRFIELD

FORECAST WATER COST ALLOCATION (CASH Basis)

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

Year	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	TDC	IND	Irrigation	Outside City	Westwood	Total
FY 2023	$ 422,032	$ 266,328	$ 61,051	$ 309,211	$ 20,546	$ 33,301	$ 32,620	$ 451,715	**$ 1,596,804**
FY 2024	467,367	289,983	65,454	328,319	21,779	35,411	37,563	501,315	**1,747,192**
FY 2025	486,562	299,149	66,952	332,351	22,089	36,567	38,424	496,369	**1,778,463**
FY 2026	503,421	307,145	68,204	335,416	22,308	37,382	39,780	497,139	**1,810,794**
FY 2027	474,503	293,981	65,449	323,915	21,195	32,953	48,982	585,875	**1,846,853**
FY 2028	584,925	363,289	81,135	394,800	26,181	43,775	50,370	584,010	**2,128,484**
FY 2029	606,756	373,581	82,746	398,887	26,482	44,901	51,808	582,319	**2,167,480**
FY 2030	629,098	384,155	84,426	403,396	26,812	46,072	53,186	580,678	**2,207,823**
FY 2031	652,159	395,003	86,137	407,974	27,145	47,252	54,620	579,284	**2,249,573**
FY 2032	675,980	406,438	88,004	413,427	27,533	48,498	56,123	579,290	**2,295,292**

Wastewater Utility Cost Functionalization and Classification

Wastewater system costs are allocated to the following functions:

Treatment -- Volume – the costs associated with treating wastewater volume discharges

Collection – the lines that transport wastewater from customers' properties to the wastewater treatment plant

Administration – miscellaneous overhead and other non-operating costs

Customer Billing – the processes involved in billing and other services to customers

As was the case for the water system, wastewater utility operating budget line-item expenses are allocated individually to functions. The results of the allocation process are presented in **Table III-13**. The rate model in Appendix A presents a detailed listing of the cost allocations by line item. As with the water utility, these percentages are not forecast to change significantly during the next ten years.

TABLE III-13

CITY OF FAIRFIELD

TEST YEAR WASTEWATER COST FUNCTIONALIZATION

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

Function	TY 2023 CASH Basis Revenue Requirement	Percent
Treatment	$ 254,075	21.6%
Collection	504,275	42.8%
Administration	419,674	35.6%
Customer	-	0.0%
Total	**1,178,024**	**100.0%**

Wastewater Utility Cost Allocation

Allocation of wastewater utility costs by service characteristic to customer classes is performed in the same manner as described for the water utility. The total wastewater utility costs by customer class are summarized in **Table III-14**. The rate model in Appendix A presents a detailed listing of the cost calculations by line item.

TABLE III-14

CITY OF FAIRFIELD

TEST YEAR WASTEWATER COST ALLOCATION

SCENARIO: 2023 09 06 -- Scenario I -- Status Quo

Function	TY 2023 CASH Basis Revenue Requirement	Percent
Residential	$ 413,457	35.1%
BH, CH, GOV, INS, SCH, C	278,657	23.7%
Multi Family	92,105	7.8%
TDC	376,941	32.0%
IND	8,796	0.7%
Outside Customers	8,067	0.7%
Total	**1,178,024**	**100.0%**

Table III-15 presents the ten-year forecast of the wastewater net revenue requirement by customer class.

TABLE III-15

CITY OF FAIRFIELD

FORECAST WASTEWATER COST ALLOCATION (CASH Basis)

SCENARIO:
2023 09 06 -- Scenario I -- Status Quo

Year	Residential	BH, CH, GOV, INS, SCH, C	Multi Family	TDC	IND	Outside Customers	Total
FY 2023	$ 413,457	$ 278,657	$ 92,105	$ 376,941	$ 8,796	$ 8,067	**$ 1,178,024**
FY 2024	476,984	319,534	104,650	421,954	9,846	9,464	**1,342,432**
FY 2025	492,111	327,849	106,491	423,683	9,886	10,771	**1,370,791**
FY 2026	507,739	336,372	108,363	425,441	9,927	12,306	**1,400,148**
FY 2027	524,866	345,754	110,474	428,030	9,988	14,249	**1,433,360**
FY 2028	549,662	360,131	114,180	436,918	10,195	15,414	**1,486,501**
FY 2029	568,210	370,251	116,485	440,246	10,273	16,633	**1,522,097**
FY 2030	587,165	380,615	118,879	444,099	10,363	17,849	**1,558,970**
FY 2031	606,865	391,322	121,340	448,073	10,455	19,124	**1,597,179**
FY 2032	627,983	402,928	124,093	453,307	10,577	20,398	**1,639,288**

Section IV

SECTION IV

Water and Wastewater Rate Design

Rate design involves determining charges for each class of customers that will generate a desired level of revenue. In accordance with AWWA and other industry cost of service rate-making principles. The water and wastewater rates developed in this section are designed to recover the test year and forecast revenue requirements while providing funding for the identified capital improvements and existing debt service.

Based on an extensive series of discussion with the City, the project team is presenting two alternative rate design scenarios for the City to consider. Both scenarios will result in an equivalent amount of revenue.

The following is notable regarding both proposed rate plans to be presented:

- While the rate model presents a forecast of rates for ten years for each scenario, the project team recommends that the city adopt a 5-year rate plan under the chosen alternative, with the rates to be automatically implemented annually on October 1, 2023, through October 1, 2027.
- Given the growth in the City and potential for unexpected events, the project team recommends that the City not commit itself to a rate plan beyond five years. Further, **the project team recommends that the City periodically review these rates during the next five years, to incorporate any changes to costs, volumes or growth assumptions that may occur during that time.**
- The most significant impact on rates will be debt issued to fund the CIP. The initial cost of service and rate proposal assumes that the Utility rate adjustments will be funded on a stand-alone basis, whereby debt service will be fully funded through rates.
- Both rate plans will cover the estimated increased cost of required labor, services, materials, while ensuring that ratepayers pay only what it costs to provide water and wastewater service.

Scenario I – Status Quo

The first alternative is a 5-year rate plan with the first adjustment in October 2023 (FY 2024). The plan assumes no change in rate structure and proposes uniform percentage adjustments for base and volume charges. To ensure that rates would recover full cost of service this plan requires larger adjustments in the first 3 years. The rate plan and forecast revenues and expenses under this scenario are presented in **Appendix A.**

Table IV-1 presents a summary of the adjusted water rate plan proposed for Residential and non-residential customers. **Table IV-2** presents a summary of the adjusted wastewater rate plan proposed for Residential and non-residential customers. **Table IV-3** presents the customer rate impact assuming the adjusted rate structure is adopted by City Council. **Table IV-4** presents the proposed rate structure in the City's ordinance format.

The projected rate revenues developed in this alternative are forecast to be sufficient to fund all operating and current scheduled capital obligations starting FY 2026. Rate revenues are sufficient to fund the water and wastewater existing debt service and future debt service while continuing to operate on a stand-alone basis and independent of general fund assistance. Forecast rate revenues by year are presented in Appendix A.

The following is notable about this rate plan:

- The rate plan maintains tier-based volumetric rates for Residential, Non-Residential and Westwood customers. TDCJ and Irrigation are charged flat volumetric rates.
- The project team recommends no change in the outside city limit water rates.
- Forecast revenues and expenses under this scenario are presented in Appendix A.

TABLE IV-1

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
	Water Rate and Charges							
W1	**Residential**							
	Monthly Minimum Charge							
		all meter sizes	$ 23.20	$ 25.29	$ 27.06	$ 28.41	$ 29.26	$ 30.14
	Volume Rate/1,000 Gal							
	2,001	4,000	4.28	4.67	4.99	5.24	5.40	5.56
	4,001	8,000	4.33	4.72	5.05	5.30	5.46	5.63
	8,001	10,000	4.52	4.93	5.27	5.54	5.70	5.87
	10,001	12,000	4.88	5.32	5.69	5.98	6.16	6.34
	12,001	15,000	4.75	5.18	5.54	5.82	5.99	6.17
	15,001	18,000	4.61	5.02	5.38	5.65	5.81	5.99
	18,001	20,000	4.33	4.72	5.05	5.30	5.46	5.63
	20,001	Above	4.00	4.36	4.67	4.90	5.05	5.20
W2	**BH, CH, GOV, INS, SCH, C**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74
	4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15
	8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50
	12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74
	16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15
	20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06
	30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28
	50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20
W3	**Multi Family**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74
	4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15
	8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50
	12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74
	16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15
	20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06
	30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28
	50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
W4	**TDC**							
	Monthly Minimum Charge							
		all meter sizes	$ -	$ -	$ -	$ -	$ -	$ -
	Volume Rate/1,000 Gal							
	-	Above	2.85	3.11	3.32	3.49	3.59	3.70
W5	**IND**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74
	4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15
	8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50
	12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74
	16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15
	20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06
	30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28
	50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20
W6	**Irrigation**							
	Monthly Minimum Charge							
		all meter sizes	$ -	$ -	$ -	$ -	$ -	$ -
	Volume Rate/1,000 Gal							
	-	Above	9.00	9.81	10.50	11.02	11.35	11.69
W7	**Residential/Commercial Outside**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
	Volume Rate/1,000 Gal							
	2,001	4,000	8.56	8.56	8.56	8.56	8.56	8.56
	4,001	8,000	8.66	8.66	8.66	8.66	8.66	8.66
	8,001	10,000	9.04	9.04	9.04	9.04	9.04	9.04
	10,001	12,000	9.76	9.76	9.76	9.76	9.76	9.76
	12,001	15,000	9.50	9.50	9.50	9.50	9.50	9.50
	15,001	18,000	9.22	9.22	9.22	9.22	9.22	9.22
	18,001	20,000	8.66	8.66	8.66	8.66	8.66	8.66
	20,001	Above	8.00	8.00	8.00	8.00	8.00	8.00
W8	**Westwood**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 50.58	$ 54.12	$ 56.82	$ 58.53	$ 60.28
	Volume Rate/1,000 Gal							
	2,001	8,000	3.20	3.49	3.73	3.92	4.04	4.16
	8,001	Above	4.20	4.58	4.90	5.14	5.30	5.46

TABLE IV-2

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Wastewater Monthly Rates and Charges							
Residential							
Monthly Minimum Charge							
		$ 15.80	$ 18.49	$ 21.63	$ 24.44	$ 25.66	$ 26.95
Volume Rate/1,000 Gal							
2,001	4,000	2.56	3.00	3.50	3.96	4.16	4.37
4,001	8,000	2.59	3.03	3.55	4.01	4.21	4.42
8,001	10,000	2.71	3.17	3.71	4.19	4.40	4.62
10,001	12,000	2.92	3.42	4.00	4.52	4.74	4.98
12,001	15,000	2.35	2.75	3.22	3.64	3.82	4.01
15,001	18,000	2.18	2.55	2.98	3.37	3.54	3.72
18,001	20,000	2.10	2.46	2.87	3.25	3.41	3.58
20,001	Above	1.91	2.23	2.61	2.95	3.10	3.26
BH, CH, GOV, INS, SCH, C							
Monthly Minimum Charge							
		$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59
Multi Family							
Monthly Minimum Charge							
		$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario I -- Status Quo

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Outside							
Monthly Minimum Charge							
	3/4"	15.80	18.49	21.63	24.44	25.66	26.95
	1"	15.80	18.49	21.63	24.44	25.66	26.95
	1 1/2"	15.80	18.49	21.63	24.44	25.66	26.95
	2"	15.80	18.49	21.63	24.44	25.66	26.95
	3"	15.80	18.49	21.63	24.44	25.66	26.95
	4"	15.80	18.49	21.63	24.44	25.66	26.95
	6"	15.80	18.49	21.63	24.44	25.66	26.95
	8"	15.80	18.49	21.63	24.44	25.66	26.95
Volume Rate/1,000 Gal							
2,001	4,000	2.56	3.00	3.50	3.96	4.16	4.37
4,001	8,000	2.59	3.03	3.55	4.01	4.21	4.42
8,001	10,000	2.71	3.17	3.71	4.19	4.40	4.62
10,001	12,000	2.92	3.42	4.00	4.52	4.74	4.98
12,001	15,000	2.35	2.75	3.22	3.64	3.82	4.01
15,001	18,000	2.18	2.55	2.98	3.37	3.54	3.72
18,001	20,000	2.10	2.46	2.87	3.25	3.41	3.58
20,001	Above	1.91	2.23	2.61	2.95	3.10	3.26
TDC							
Monthly Minimum Charge							
	all meter sizes	-	-	-	-	-	-
Volume Rate/1,000 Gal							
-	Above	2.76	3.23	3.78	4.27	4.48	4.71
IND							
Monthly Minimum Charge							
	all meter sizes	$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59

TABLE IV-3

CITY OF FAIRFIELD
Impact on monthly bills

Scenario: 2023 09 06 -- Scenario I -- Status Quo

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Residential Monthly Charges							
5,000 W	5,000 WW	$ 59.60	$ 66.84	$ 74.27	$ 80.56	$ 83.71	$ 86.98
	Increase - $		7.24	7.43	6.29	3.14	3.27
	Increase - %		12.2%	11.1%	8.5%	3.9%	3.9%
10,000 W	10,000 WW	109.67	121.42	132.67	141.88	146.86	152.03
	Increase - $		11.75	11.25	9.21	4.98	5.17
	Increase - %		10.7%	9.3%	6.9%	3.5%	3.5%
20,000 W	20,000 WW	179.80	199.75	219.25	235.38	243.90	252.74
	Increase - $		19.95	19.50	16.12	8.52	8.85
	Increase - %		11.1%	9.8%	7.4%	3.6%	3.6%
Commercial Monthly Charges							
20,000 W	20,000 WW	$ 223.53	$ 250.62	$ 278.36	$ 301.82	$ 313.57	$ 325.81
	Increase - $		27.09	27.74	23.46	11.75	12.24
	Increase - %		12.1%	11.1%	8.4%	3.9%	3.9%
60,000 W	60,000 WW	593.13	664.70	737.83	799.62	830.64	862.94
	Increase - $		71.57	73.13	61.79	31.02	32.30
	Increase - %		12.1%	11.0%	8.4%	3.9%	3.9%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario I -- Status Quo**

Water Monthly Rates and Charges

Inside Residential Water Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 23.20	$ 25.29	$ 27.06	$ 28.41	$ 29.26	$ 30.14
2,001	4,000	20	0.428	0.467	0.499	0.524	0.540	0.556
4,001	8,000	40	0.433	0.472	0.505	0.530	0.546	0.563
8,001	10,000	20	0.452	0.493	0.527	0.554	0.570	0.587
10,001	12,000	20	0.488	0.532	0.569	0.598	0.616	0.634
12,001	15,000	30	0.475	0.518	0.554	0.582	0.599	0.617
15,001	18,000	30	0.461	0.502	0.538	0.565	0.581	0.599
18,001	20,000	20	0.433	0.472	0.505	0.530	0.546	0.563
20,001	Above		0.400	0.436	0.467	0.490	0.505	0.520
Total								
-	2,000		23.20	25.29	27.06	28.41	29.26	30.14
2,001	4,000		8.56	9.33	9.98	10.48	10.80	11.12
4,001	8,000		17.32	18.88	20.20	21.21	21.85	22.50
8,001	10,000		9.04	9.85	10.54	11.07	11.40	11.74
10,001	12,000		9.76	10.64	11.38	11.95	12.31	12.68
12,001	15,000		14.25	15.53	16.62	17.45	17.97	18.51
15,001	18,000		13.83	15.07	16.13	16.94	17.44	17.97
18,001	20,000		8.66	9.44	10.10	10.61	10.92	11.25
20,001	Above							

Outside Residential Water Rates

NOTE: Rates remain unchanged

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
2,001	4,000	20	0.856	0.856	0.856	0.856	0.856	0.856
4,001	8,000	40	0.866	0.866	0.866	0.866	0.866	0.866
8,001	10,000	20	0.904	0.904	0.904	0.904	0.904	0.904
10,001	12,000	20	0.976	0.976	0.976	0.976	0.976	0.976
12,001	15,000	30	0.950	0.950	0.950	0.950	0.950	0.950
15,001	18,000	30	0.922	0.922	0.922	0.922	0.922	0.922
18,001	20,000	20	0.866	0.866	0.866	0.866	0.866	0.866
20,001	Above		0.800	0.800	0.800	0.800	0.800	0.800
Total								
-	2,000		46.40	46.40	46.40	46.40	46.40	46.40
2,001	4,000		17.12	17.12	17.12	17.12	17.12	17.12
4,001	8,000		34.64	34.64	34.64	34.64	34.64	34.64
8,001	10,000		18.08	18.08	18.08	18.08	18.08	18.08
10,001	12,000		19.52	19.52	19.52	19.52	19.52	19.52
12,001	15,000		28.50	28.50	28.50	28.50	28.50	28.50
15,001	18,000		27.66	27.66	27.66	27.66	27.66	27.66
18,001	20,000		17.32	17.32	17.32	17.32	17.32	17.32
20,001	Above							

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario I -- Status Quo**

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Commercial Water Rates								
Rate								
-	2,000	20	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
2,001	4,000	20	0.519	0.566	0.605	0.636	0.655	0.674
4,001	8,000	40	0.550	0.600	0.641	0.674	0.694	0.715
8,001	12,000	40	0.577	0.629	0.673	0.707	0.728	0.750
12,001	16,000	40	0.596	0.650	0.695	0.730	0.752	0.774
16,001	20,000	40	0.627	0.683	0.731	0.768	0.791	0.815
20,001	30,000	100	0.620	0.676	0.723	0.759	0.782	0.806
30,001	50,000	200	0.560	0.610	0.653	0.686	0.706	0.728
50,001	Above		0.554	0.604	0.646	0.678	0.699	0.720
Total								
-	2,000		32.00	34.88	37.32	39.19	40.36	41.57
2,001	4,000		10.38	11.31	12.11	12.71	13.09	13.49
4,001	8,000		22.00	23.98	25.66	26.94	27.75	28.58
8,001	12,000		23.08	25.16	26.92	28.26	29.11	29.99
12,001	16,000		23.84	25.99	27.80	29.19	30.07	30.97
16,001	20,000		25.08	27.34	29.25	30.71	31.63	32.58
20,001	30,000		62.00	67.58	72.31	75.93	78.20	80.55
30,001	50,000		112.00	122.08	130.63	137.16	141.27	145.51
50,001	Above							
Other Rates Per 1,000 Gallons								
	Residenital Irrigation		9.00	9.81	10.50	11.02	11.35	11.69
	Commercial Irrigation		10.00	10.90	11.66	12.25	12.61	12.99
	Bulk Hauler		12.50	13.63	14.58	15.31	15.77	16.24

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario I -- Status Quo**

Sewer Monthly Rates and Charges

Inside and Outside Sewer Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 15.80	$ 18.49	$ 21.63	$ 24.44	$ 25.66	$ 26.95
2,001	4,000	20	0.256	0.300	0.350	0.396	0.416	0.437
4,001	8,000	40	0.259	0.303	0.355	0.401	0.421	0.442
8,001	10,000	20	0.271	0.317	0.371	0.419	0.440	0.462
10,001	12,000	20	0.292	0.342	0.400	0.452	0.474	0.498
12,001	15,000	30	0.235	0.275	0.322	0.364	0.382	0.401
15,001	18,000	30	0.218	0.255	0.298	0.337	0.354	0.372
18,001	20,000	20	0.210	0.246	0.287	0.325	0.341	0.358
20,001	Above		0.191	0.223	0.261	0.295	0.310	0.326
Total								
-	2,000		15.80	18.49	21.63	24.44	25.66	26.95
2,001	4,000		5.12	5.99	7.01	7.92	8.32	8.73
4,001	8,000		10.36	12.12	14.18	16.03	16.83	17.67
8,001	10,000		5.42	6.34	7.42	8.38	8.80	9.24
10,001	12,000		5.84	6.83	7.99	9.03	9.49	9.96
12,001	15,000		7.05	8.25	9.65	10.91	11.45	12.02
15,001	18,000		6.54	7.65	8.95	10.12	10.62	11.15
18,001	20,000		4.20	4.91	5.75	6.50	6.82	7.16
20,001	Above							

Commercial Sewer Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
2,001	4,000	20	0.373	0.436	0.511	0.577	0.606	0.636
4,001	8,000	40	0.381	0.446	0.522	0.589	0.619	0.650
8,001	12,000	40	0.393	0.460	0.538	0.608	0.638	0.670
12,001	16,000	40	0.380	0.445	0.520	0.588	0.617	0.648
16,001	20,000	40	0.372	0.435	0.509	0.575	0.604	0.634
20,001	30,000	100	0.366	0.428	0.501	0.566	0.594	0.624
30,001	50,000	200	0.354	0.414	0.485	0.548	0.575	0.604
50,001	Above		0.328	0.384	0.449	0.507	0.533	0.559
Total								
-	2,000		18.65	21.82	25.53	28.85	30.29	31.81
2,001	4,000		7.46	8.73	10.21	11.54	12.12	12.72
4,001	8,000		15.24	17.83	20.86	23.57	24.75	25.99
8,001	12,000		15.72	18.39	21.52	24.32	25.53	26.81
12,001	16,000		15.20	17.78	20.81	23.51	24.69	25.92
16,001	20,000		14.88	17.41	20.37	23.02	24.17	25.38
20,001	30,000		36.60	42.82	50.10	56.61	59.45	62.42
30,001	50,000		70.80	82.84	96.92	109.52	114.99	120.74
50,001	Above							

Scenario II – Reduced Tiers

The second scenario is also a 5-year rate plan with the first adjustment in October 2023 (FY 2024). The plan proposes uniform percentage adjustments for base and volume charges and at the same time reduces the number of volume tiers (eliminates volume discount for high volume consumers). To ensure that rates would recover full cost of service this plan also requires larger adjustments in the first 3 years. The rate plan and forecast revenues and expenses under this scenario are presented in **Appendix B.**

Table IV-5 presents a summary of the Scenario II rate plan proposed for both Residential and non-residential water customers. **Table IV-6** presents a summary of the Scenario II rate plan proposed for both Residential and non-residential wastewater customers. **Table IV-7** presents the customer rate impact assuming the Scenario II rate plan is adopted by City Council. **Table IV-8** presents the proposed rate structure in the City's ordinance format.

The following is notable about this proposed rate plan:

- Volumetric tiered rates do not decrease in the higher tiers.
- Uniform percentage adjustments were used for base and volume charges.
- Larger adjustments required in first 3 years to ensure rates recover full cost of service
- The project team recommends no change in the outside city limit water rates.

Forecast revenues and expenses under this scenario are presented in Appendix B.

TABLE IV-5

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario II -- Reduced Tiers

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
	Water Rate and Charges							
W1	**Residential**							
	Monthly Minimum Charge							
		all meter sizes	$ 23.20	$ 25.06	$ 26.81	$ 28.15	$ 28.99	$ 29.86
	Volume Rate/1,000 Gal							
	2,001	4,000	4.28	4.62	4.95	5.19	5.35	5.51
	4,001	8,000	4.33	4.68	5.00	5.25	5.41	5.57
	8,001	10,000	4.52	4.88	5.22	5.48	5.65	5.82
	10,001	12,000	4.88	5.27	5.64	5.92	6.10	6.28
	12,001	15,000	4.75	5.27	5.64	5.92	6.10	6.28
	15,001	18,000	4.61	5.27	5.64	5.92	6.10	6.28
	18,001	20,000	4.33	5.27	5.64	5.92	6.10	6.28
	20,001	Above	4.00	5.27	5.64	5.92	6.10	6.28
W2	**BH, CH, GOV, INS, SCH, C**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68
	4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08
	8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43
	12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67
	16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07
	20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07
	30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07
	50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07
W3	**Multi Family**							
	Monthly Minimum Charge							
		all mter sizes	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68
	4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08
	8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43
	12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67
	16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07
	20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07
	30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07
	50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07

			Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
W4	**TDC**							
	Monthly Minimum Charge							
		all meter sizes	$ -	$ -	$ -	$ -	$ -	$ -
	Volume Rate/1,000 Gal							
	-	Above	2.85	3.08	3.29	3.46	3.56	3.67
W5	**IND**							
	Monthly Minimum Charge							
		all meter sizes	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
	Volume Rate/1,000 Gal							
	2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68
	4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08
	8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43
	12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67
	16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07
	20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07
	30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07
	50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07
W6	**Irrigation**							
	Monthly Minimum Charge							
		all meter sizes	-	-	-	-	-	-
	Volume Rate/1,000 Gal		9.00	9.72	10.40	10.92	11.25	11.59
W7	**Residential/Commercial Outside**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
	Volume Rate/1,000 Gal							
	2,001	4,000	8.56	8.56	8.56	8.56	8.56	8.56
	4,001	8,000	8.66	8.66	8.66	8.66	8.66	8.66
	8,001	10,000	9.04	9.04	9.04	9.04	9.04	9.04
	10,001	12,000	9.76	9.76	9.76	9.76	9.76	9.76
	12,001	15,000	9.50	9.50	9.50	9.50	9.50	9.50
	15,001	18,000	9.22	9.22	9.22	9.22	9.22	9.22
	18,001	20,000	8.66	8.66	8.66	8.66	8.66	8.66
	20,001	Above	8.00	8.00	8.00	8.00	8.00	8.00
W8	**Westwood**							
	Monthly Minimum Charge							
		all meter sizes	$ 46.40	$ 50.11	$ 53.62	$ 56.30	$ 57.99	$ 59.73
	Volume Rate/1,000 Gal							
	2,001	8,000	3.20	3.46	3.70	3.88	4.00	4.12
	8,001	Above	4.20	4.54	4.85	5.10	5.25	5.41

TABLE IV-6

CITY OF FAIRFIELD
Impact on Monthly Customer Charges

Scenario: 2023 09 06 -- Scenario II -- Reduced Tiers

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
2	**Wastewater Monthly Rates and Charges**						
Residential							
Monthly Minimum Charge							
		$ 15.80	$ 18.33	$ 21.26	$ 24.02	$ 25.23	$ 26.49
Volume Rate/1,000 Gal							
2,001	4,000	2.56	2.97	3.44	3.89	4.09	4.29
4,001	8,000	2.59	3.00	3.49	3.94	4.14	4.34
8,001	10,000	2.71	3.14	3.65	4.12	4.33	4.54
10,001	12,000	2.92	3.39	3.93	4.44	4.66	4.90
12,001	15,000	2.35	3.39	3.93	4.44	4.66	4.90
15,001	18,000	2.18	3.39	3.93	4.44	4.66	4.90
18,001	20,000	2.10	3.39	3.93	4.44	4.66	4.90
20,001	Above	1.91	3.39	3.93	4.44	4.66	4.90
BH, CH, GOV, INS, SCH, C							
Monthly Minimum Charge							
		$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
	1"	18.65	21.63	25.10	28.36	29.78	31.26
	1 1/2"	18.65	21.63	25.10	28.36	29.78	31.26
	2"	18.65	21.63	25.10	28.36	29.78	31.26
	3"	18.65	21.63	25.10	28.36	29.78	31.26
	4"	18.65	21.63	25.10	28.36	29.78	31.26
	6"	18.65	21.63	25.10	28.36	29.78	31.26
	8"	18.65	21.63	25.10	28.36	29.78	31.26
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59
Multi Family							
Monthly Minimum Charge							
		$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
1"	-	18.65	21.63	25.10	28.36	29.78	31.26
1 1/2"	-	18.65	21.63	25.10	28.36	29.78	31.26
2"	-	18.65	21.63	25.10	28.36	29.78	31.26
3"	-	18.65	21.63	25.10	28.36	29.78	31.26
4"	-	18.65	21.63	25.10	28.36	29.78	31.26
6"	-	18.65	21.63	25.10	28.36	29.78	31.26
8"	-	18.65	21.63	25.10	28.36	29.78	31.26
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Outside							
Monthly Minimum Charge							
	all meter sizes	$ 15.80	$ 18.33	$ 21.26	$ 24.02	$ 25.23	$ 26.49
1"	-	15.80	18.33	21.26	24.02	25.23	26.49
1 1/2"	-	15.80	18.33	21.26	24.02	25.23	26.49
2"	-	15.80	18.33	21.26	24.02	25.23	26.49
3"	-	15.80	18.33	21.26	24.02	25.23	26.49
4"	-	15.80	18.33	21.26	24.02	25.23	26.49
6"	-	15.80	18.33	21.26	24.02	25.23	26.49
8"	-	15.80	18.33	21.26	24.02	25.23	26.49
Volume Rate/1,000 Gal							
2,001	4,000	2.56	2.97	3.44	3.89	4.09	4.29
4,001	8,000	2.59	3.00	3.49	3.94	4.14	4.34
8,001	10,000	2.71	3.14	3.65	4.12	4.33	4.54
10,001	12,000	2.92	3.39	3.93	4.44	4.66	4.90
12,001	15,000	2.35	3.39	3.93	4.44	4.66	4.90
15,001	18,000	2.18	3.39	3.93	4.44	4.66	4.90
18,001	20,000	2.10	3.39	3.93	4.44	4.66	4.90
20,001	Above	1.91	3.39	3.93	4.44	4.66	4.90
TDC							
Monthly Minimum Charge							
	all meter sizes	-	-	-	-	-	-
Volume Rate/1,000 Gal							
-	Above	2.76	3.20	3.71	4.20	4.41	4.63
IND							
Monthly Minimum Charge							
	all meter sizes	$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
Volume Rate/1,000 Gal							
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59

TABLE IV-7

CITY OF FAIRFIELD
Impact on monthly bills

Scenario: 2023 09 06 -- Scenario II -- Reduced Tiers

		Current	Proposed Oct-23	Proposed Oct-24	Proposed Oct-25	Proposed Oct-26	Proposed Oct-27
Residential Monthly Charges							
5,000 W	5,000 WW	$ 59.60	$ 66.25	$ 73.34	$ 79.54	$ 82.64	$ 85.87
	Increase - $		6.65	7.09	6.20	3.10	3.23
10,000 W	10,000 WW	109.67	120.32	131.20	140.29	145.22	150.32
	Increase - $		10.65	10.88	9.09	4.92	5.11
20,000 W	20,000 WW	179.80	206.90	226.89	243.90	252.82	262.09
	Increase - $		27.10	19.99	17.02	8.92	9.27
	Increase - %		15.1%	9.7%	7.5%	3.7%	3.7%
Commercial Monthly Charges							
20,000 W	20,000 WW	$ 223.53	$ 249.96	$ 276.70	$ 300.06	$ 311.76	$ 323.94
	Increase - $		26.43	26.74	23.36	11.69	12.18
60,000 W	60,000 WW	593.13	703.18	778.05	843.41	876.18	910.31
	Increase - $		110.05	74.87	65.35	32.77	34.13
	Increase - %		18.6%	10.6%	8.4%	3.9%	3.9%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

Water Monthly Rates and Charges

Inside Residential Water Rates

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 23.20	$ 25.06	$ 26.81	$ 28.15	$ 28.99	$ 29.86
2,001	4,000	20	0.428	0.462	0.495	0.519	0.535	0.551
4,001	8,000	40	0.433	0.468	0.500	0.525	0.541	0.557
8,001	10,000	20	0.452	0.488	0.522	0.548	0.565	0.582
10,001	12,000	20	0.488	0.527	0.564	0.592	0.610	0.628
12,001	15,000	30	0.475	0.527	0.564	0.592	0.610	0.628
15,001	18,000	30	0.461	0.527	0.564	0.592	0.610	0.628
18,001	20,000	20	0.433	0.527	0.564	0.592	0.610	0.628
20,001	Above		0.400	0.527	0.564	0.592	0.610	0.628
Total								
-	2,000		23.20	25.06	26.81	28.15	28.99	29.86
2,001	4,000		8.56	9.24	9.89	10.39	10.70	11.02
4,001	8,000		17.32	18.71	20.01	21.02	21.65	22.30
8,001	10,000		9.04	9.76	10.45	10.97	11.30	11.64
10,001	12,000		9.76	10.54	11.28	11.84	12.20	12.56
12,001	15,000		14.25	15.81	16.92	17.76	18.30	18.85
15,001	18,000		13.83	15.81	16.92	17.76	18.30	18.85
18,001	20,000		8.66	10.54	11.28	11.84	12.20	12.56
20,001	Above							

Outside Residential Water Rates

NOTE: Rates remain unchanged

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
2,001	4,000	20	0.856	0.856	0.856	0.856	0.856	0.856
4,001	8,000	40	0.866	0.866	0.866	0.866	0.866	0.866
8,001	10,000	20	0.904	0.904	0.904	0.904	0.904	0.904
10,001	12,000	20	0.976	0.976	0.976	0.976	0.976	0.976
12,001	15,000	30	0.950	0.950	0.950	0.950	0.950	0.950
15,001	18,000	30	0.922	0.922	0.922	0.922	0.922	0.922
18,001	20,000	20	0.866	0.866	0.866	0.866	0.866	0.866
20,001	Above		0.800	0.800	0.800	0.800	0.800	0.800
Total								
-	2,000		46.40	46.40	46.40	46.40	46.40	46.40
2,001	4,000		17.12	17.12	17.12	17.12	17.12	17.12
4,001	8,000		34.64	34.64	34.64	34.64	34.64	34.64
8,001	10,000		18.08	18.08	18.08	18.08	18.08	18.08
10,001	12,000		19.52	19.52	19.52	19.52	19.52	19.52
12,001	15,000		28.50	28.50	28.50	28.50	28.50	28.50
15,001	18,000		27.66	27.66	27.66	27.66	27.66	27.66
18,001	20,000		17.32	17.32	17.32	17.32	17.32	17.32
20,001	Above							

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

Commercial Water Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
2,001	4,000	20	0.519	0.561	0.600	0.630	0.649	0.668
4,001	8,000	40	0.550	0.594	0.636	0.667	0.687	0.708
8,001	12,000	40	0.577	0.623	0.667	0.700	0.721	0.743
12,001	16,000	40	0.596	0.644	0.689	0.723	0.745	0.767
16,001	20,000	40	0.627	0.677	0.725	0.761	0.784	0.807
20,001	30,000	100	0.620	0.677	0.725	0.761	0.784	0.807
30,001	50,000	200	0.560	0.677	0.725	0.761	0.784	0.807
50,001	Above		0.554	0.677	0.725	0.761	0.784	0.807
Total								
-	2,000		32.00	34.56	36.98	38.83	39.99	41.19
2,001	4,000		10.38	11.21	12.00	12.59	12.97	13.36
4,001	8,000		22.00	23.76	25.42	26.69	27.50	28.32
8,001	12,000		23.08	24.93	26.67	28.00	28.84	29.71
12,001	16,000		23.84	25.75	27.55	28.93	29.79	30.69
16,001	20,000		25.08	27.09	28.98	30.43	31.34	32.28
20,001	30,000		62.00	67.72	72.46	76.08	78.36	80.71
30,001	50,000		112.00	135.43	144.91	152.16	156.72	161.42
50,001	Above							

Other Rates Per 1,000 Gallons

	Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Residenital Irrigation	9.00	9.72	10.40	10.92	11.25	11.59
Commercial Irrigation	10.00	10.80	11.56	12.13	12.50	12.87
Bulk Hauler	12.50	13.50	14.45	15.17	15.62	16.09

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

Sewer Monthly Rates and Charges

Inside and Outside Sewer Rates

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 15.80	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
2,001	4,000	20	0.256	0.561	0.600	0.630	0.649	0.668
4,001	8,000	40	0.259	0.594	0.636	0.667	0.687	0.708
8,001	10,000	20	0.271	0.623	0.667	0.700	0.721	0.743
10,001	12,000	20	0.292	0.644	0.689	0.723	0.745	0.767
12,001	15,000	30	0.235	0.677	0.725	0.761	0.784	0.807
15,001	18,000	30	0.218	0.677	0.725	0.761	0.784	0.807
18,001	20,000	20	0.210	0.677	0.725	0.761	0.784	0.807
20,001	Above		0.191	0.677	0.725	0.761	0.784	0.807
Total								
-	2,000		15.80	34.56	36.98	38.83	39.99	41.19
2,001	4,000		5.12	11.21	12.00	12.59	12.97	13.36
4,001	8,000		10.36	23.76	25.42	26.69	27.50	28.32
8,001	10,000		5.42	12.46	13.34	14.00	14.42	14.86
10,001	12,000		5.84	12.87	13.77	14.46	14.90	15.34
12,001	15,000		7.05	20.31	21.74	22.82	23.51	24.21
15,001	18,000		6.54	20.31	21.74	22.82	23.51	24.21
18,001	20,000		4.20	13.54	14.49	15.22	15.67	16.14
20,001	Above							

Commercial Sewer Rates

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
2,001	4,000	20	0.373	0.433	0.502	0.567	0.596	0.625
4,001	8,000	40	0.381	0.442	0.513	0.579	0.608	0.639
8,001	12,000	40	0.393	0.456	0.529	0.598	0.627	0.659
12,001	16,000	40	0.380	0.456	0.529	0.598	0.627	0.659
16,001	20,000	40	0.372	0.456	0.529	0.598	0.627	0.659
20,001	30,000	100	0.366	0.456	0.529	0.598	0.627	0.659
30,001	50,000	200	0.354	0.456	0.529	0.598	0.627	0.659
50,001	Above		0.328	0.456	0.529	0.598	0.627	0.659
Total								
-	2,000		18.65	21.63	25.10	28.36	29.78	31.26
2,001	4,000		7.46	8.65	10.04	11.34	11.91	12.51
4,001	8,000		15.24	17.68	20.51	23.17	24.33	25.55
8,001	12,000		15.72	18.24	21.15	23.90	25.10	26.35
12,001	16,000		15.20	18.24	21.15	23.90	25.10	26.35
16,001	20,000		14.88	18.24	21.15	23.90	25.10	26.35
20,001	30,000		36.60	45.59	52.88	59.76	62.74	65.88
30,001	50,000		70.80	91.18	105.76	119.51	125.49	131.76
50,001	Above							

Outside City Rates

Charging outside customers higher rates is a common and accepted practice in the Utility industry. According to a nation-wide survey of outside city rates, the average premium for those cities that assess this charge is 47%. It is the project team's experience that the vast majority of cities who service outside city customers charge some form of rate premium.

Typically, outside city rates are charged based on the Utility Basis of ratemaking. The AWWA Manual M-1, generally considered to be the definitive source of ratemaking policy in the Untied States, recommends use of the Utility Basis to calculate the cost of service for outside customers. The Utility Basis differs from the Cash Basis in that it charges depreciation expense and a return on investment, to compensate cities for the risk and investment made in the provision of service to outside city customers. **Table IV-9** outlines the difference between the Cash Basis and the Utility Basis.

The City's comprehensive rate model includes a calculation of the cost of service, both in total and for the outside city customer classes. However, this report has only outlined the cost of service via the cash basis. The project team concluded that including the numerous detailed utility basis charts in this summary report would result in a document that was excessively lengthy. However, all calculations are fully documented in the rate model developed as part of this analysis.

Table IV-9

CITY OF DENISON

Comparison of Revenue Requirements

Revenue Requirement Component	Cash Basis		Utility Basis
O & M Expenses	X		X
Depreciation			X
Capital Outlays	X		
Debt Principal	X		
Debt Interest	X		
Return on Investment			X

Wholesale Rates

TDCJ is the largest City of Fairfield's customer by volume of water and sewer usage and contributes a significantly large amount of revenue to the City of Fairfield. The project team recommends raising the TDCJ contract rates to be closer with the cost of service calculation based on the scenarios presented in this report.

Notes on Rate Recommendations

The forecast and recommendations presented in this study represent a combination of the best information available from the City of Fairfield and the project team's expertise. However, this forecast relies in part on assumptions about future events and events beyond the control of the project team (such as account growth rates within the City). The forecast and recommendations contained in this study may be subject to revision if any of the following events occurs:

- Actual growth in accounts and consumed volumes is less than (or significantly greater than) forecast.
- Capital improvement plan funding costs increase significantly due to the rising cost of materials or other factors.
- An unforeseen event impacts the City of Fairfield, such as an extended recession, natural catastrophe, or terrorist attack.
- Significant and long-lasting changes in weather patterns.
- Increases or decreases in interest rates, coverage requirements, or reserve requirements for long-term debt.
- The City of Fairfield budget levels or priorities change significantly from those forecast in this study.

It should be noted that none of these events are foreseen by the project team or the City of Fairfield at this time.

If any of these events occur, the City of Fairfield may be compelled to consider further adjustments to its water and wastewater rates.

***Appendix* A**

City of Fairfield

Ten Year Rate Analysis and Pro Forma
Fiscal Years 2023 - 2032

Utility System

Water
Sewer
Combined

Dashboard

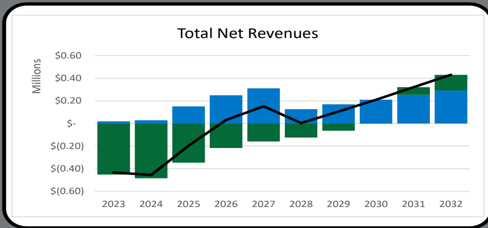
Projections
Bill Comparison
Comparable Utilities

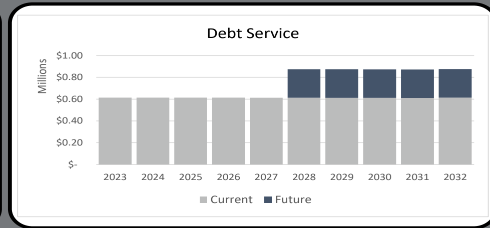
Customer Class

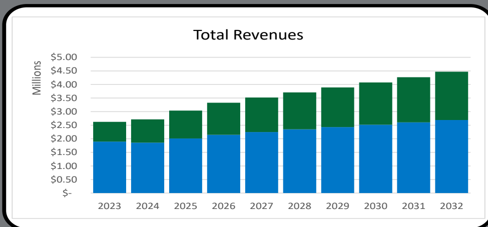
All Classes

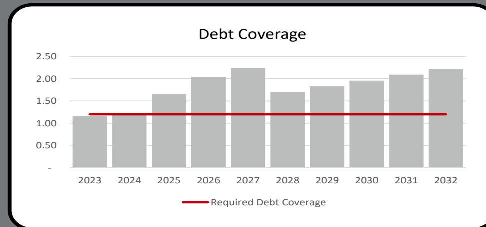
Years

10
5









Water Sewer **Combined Projections**

Future Debt Term 20

Water Future Bond Issues

	Alternative	Proposed
2023		$ -
2024		$ -
2025		$ -
2026		$ -
2027		$ 3,250,000
2028		$ -
2029		$ -
2030		$ -
2031		$ -
2032		$ -

Sewer Future Bond Issues

	Alternative	Proposed
2023		$ -
2024		$ -
2025		$ -
2026		$ -
2027		$ 250,000
2028		$ -
2029		$ -
2030		$ -
2031		$ -
2032		$ -

		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Rate Adjustments											
Meter Charge		0.00%	9.00%	7.00%	5.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
Volume Charge		0.00%	9.00%	7.00%	5.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
		194	128	100	102	118	106	115	135	165	205
Sewer Rate Adjustments											
Base Charge		0.00%	17.00%	17.00%	13.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Volume Charge	Residential	0.00%	17.00%	17.00%	13.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
	Non-Residential	0.00%	17.00%	17.00%	13.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario I -- Status Quo**

Water Monthly Rates and Charges

Inside Residential Water Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 23.20	$ 25.29	$ 27.06	$ 28.41	$ 29.26	$ 30.14
2,001	4,000	20	0.428	0.467	0.499	0.524	0.540	0.556
4,001	8,000	40	0.433	0.472	0.505	0.530	0.546	0.563
8,001	10,000	20	0.452	0.493	0.527	0.554	0.570	0.587
10,001	12,000	20	0.488	0.532	0.569	0.598	0.616	0.634
12,001	15,000	30	0.475	0.518	0.554	0.582	0.599	0.617
15,001	18,000	30	0.461	0.502	0.538	0.565	0.581	0.599
18,001	20,000	20	0.433	0.472	0.505	0.530	0.546	0.563
20,001	Above		0.400	0.436	0.467	0.490	0.505	0.520
Total								
-	2,000		23.20	25.29	27.06	28.41	29.26	30.14
2,001	4,000		8.56	9.33	9.98	10.48	10.80	11.12
4,001	8,000		17.32	18.88	20.20	21.21	21.85	22.50
8,001	10,000		9.04	9.85	10.54	11.07	11.40	11.74
10,001	12,000		9.76	10.64	11.38	11.95	12.31	12.68
12,001	15,000		14.25	15.53	16.62	17.45	17.97	18.51
15,001	18,000		13.83	15.07	16.13	16.94	17.44	17.97
18,001	20,000		8.66	9.44	10.10	10.61	10.92	11.25
20,001	Above							

Outside Residential Water Rates

NOTE: Rates remain unchanged

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
2,001	4,000	20	0.856	0.856	0.856	0.856	0.856	0.856
4,001	8,000	40	0.866	0.866	0.866	0.866	0.866	0.866
8,001	10,000	20	0.904	0.904	0.904	0.904	0.904	0.904
10,001	12,000	20	0.976	0.976	0.976	0.976	0.976	0.976
12,001	15,000	30	0.950	0.950	0.950	0.950	0.950	0.950
15,001	18,000	30	0.922	0.922	0.922	0.922	0.922	0.922
18,001	20,000	20	0.866	0.866	0.866	0.866	0.866	0.866
20,001	Above		0.800	0.800	0.800	0.800	0.800	0.800
Total								
-	2,000		46.40	46.40	46.40	46.40	46.40	46.40
2,001	4,000		17.12	17.12	17.12	17.12	17.12	17.12
4,001	8,000		34.64	34.64	34.64	34.64	34.64	34.64
8,001	10,000		18.08	18.08	18.08	18.08	18.08	18.08
10,001	12,000		19.52	19.52	19.52	19.52	19.52	19.52
12,001	15,000		28.50	28.50	28.50	28.50	28.50	28.50
15,001	18,000		27.66	27.66	27.66	27.66	27.66	27.66
18,001	20,000		17.32	17.32	17.32	17.32	17.32	17.32
20,001	Above							

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario I -- Status Quo**

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Commercial Water Rates								
Rate								
-	2,000	20	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57
2,001	4,000	20	0.519	0.566	0.605	0.636	0.655	0.674
4,001	8,000	40	0.550	0.600	0.641	0.674	0.694	0.715
8,001	12,000	40	0.577	0.629	0.673	0.707	0.728	0.750
12,001	16,000	40	0.596	0.650	0.695	0.730	0.752	0.774
16,001	20,000	40	0.627	0.683	0.731	0.768	0.791	0.815
20,001	30,000	100	0.620	0.676	0.723	0.759	0.782	0.806
30,001	50,000	200	0.560	0.610	0.653	0.686	0.706	0.728
50,001	Above		0.554	0.604	0.646	0.678	0.699	0.720
Total								
-	2,000		32.00	34.88	37.32	39.19	40.36	41.57
2,001	4,000		10.38	11.31	12.11	12.71	13.09	13.49
4,001	8,000		22.00	23.98	25.66	26.94	27.75	28.58
8,001	12,000		23.08	25.16	26.92	28.26	29.11	29.99
12,001	16,000		23.84	25.99	27.80	29.19	30.07	30.97
16,001	20,000		25.08	27.34	29.25	30.71	31.63	32.58
20,001	30,000		62.00	67.58	72.31	75.93	78.20	80.55
30,001	50,000		112.00	122.08	130.63	137.16	141.27	145.51
50,001	Above							
Other Rates Per 1,000 Gallons								
	Residenital Irrigation		9.00	9.81	10.50	11.02	11.35	11.69
	Commercial Irrigation		10.00	10.90	11.66	12.25	12.61	12.99
	Bulk Hauler		12.50	13.63	14.58	15.31	15.77	16.24

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario I -- Status Quo**

Sewer Monthly Rates and Charges

Inside and Outside Sewer Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 15.80	$ 18.49	$ 21.63	$ 24.44	$ 25.66	$ 26.95
2,001	4,000	20	0.256	0.300	0.350	0.396	0.416	0.437
4,001	8,000	40	0.259	0.303	0.355	0.401	0.421	0.442
8,001	10,000	20	0.271	0.317	0.371	0.419	0.440	0.462
10,001	12,000	20	0.292	0.342	0.400	0.452	0.474	0.498
12,001	15,000	30	0.235	0.275	0.322	0.364	0.382	0.401
15,001	18,000	30	0.218	0.255	0.298	0.337	0.354	0.372
18,001	20,000	20	0.210	0.246	0.287	0.325	0.341	0.358
20,001	Above		0.191	0.223	0.261	0.295	0.310	0.326
Total								
-	2,000		15.80	18.49	21.63	24.44	25.66	26.95
2,001	4,000		5.12	5.99	7.01	7.92	8.32	8.73
4,001	8,000		10.36	12.12	14.18	16.03	16.83	17.67
8,001	10,000		5.42	6.34	7.42	8.38	8.80	9.24
10,001	12,000		5.84	6.83	7.99	9.03	9.49	9.96
12,001	15,000		7.05	8.25	9.65	10.91	11.45	12.02
15,001	18,000		6.54	7.65	8.95	10.12	10.62	11.15
18,001	20,000		4.20	4.91	5.75	6.50	6.82	7.16
20,001	Above							

Commercial Sewer Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 18.65	$ 21.82	$ 25.53	$ 28.85	$ 30.29	$ 31.81
2,001	4,000	20	0.373	0.436	0.511	0.577	0.606	0.636
4,001	8,000	40	0.381	0.446	0.522	0.589	0.619	0.650
8,001	12,000	40	0.393	0.460	0.538	0.608	0.638	0.670
12,001	16,000	40	0.380	0.445	0.520	0.588	0.617	0.648
16,001	20,000	40	0.372	0.435	0.509	0.575	0.604	0.634
20,001	30,000	100	0.366	0.428	0.501	0.566	0.594	0.624
30,001	50,000	200	0.354	0.414	0.485	0.548	0.575	0.604
50,001	Above		0.328	0.384	0.449	0.507	0.533	0.559
Total								
-	2,000		18.65	21.82	25.53	28.85	30.29	31.81
2,001	4,000		7.46	8.73	10.21	11.54	12.12	12.72
4,001	8,000		15.24	17.83	20.86	23.57	24.75	25.99
8,001	12,000		15.72	18.39	21.52	24.32	25.53	26.81
12,001	16,000		15.20	17.78	20.81	23.51	24.69	25.92
16,001	20,000		14.88	17.41	20.37	23.02	24.17	25.38
20,001	30,000		36.60	42.82	50.10	56.61	59.45	62.42
30,001	50,000		70.80	82.84	96.92	109.52	114.99	120.74
50,001	Above							

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
1 **Water Monthly Rates and Charges**											
CITY Water Rate and Charges											
W1 Residential											
Monthly Minimum Charge											
	3/4"	$ 23.20	$ 25.29	$ 27.06	$ 28.41	$ 29.26	$ 30.14	$ 30.74	$ 31.36	$ 31.99	$ 32.63
	1"	23.20	25.29	27.06	28.41	29.26	30.14	30.74	31.36	31.99	32.63
	1 1/2"	23.20	25.29	27.06	28.41	29.26	30.14	30.74	31.36	31.99	32.63
	2"	23.20	25.29	27.06	28.41	29.26	30.14	30.74	31.36	31.99	32.63
	3"	23.20	25.29	27.06	28.41	29.26	30.14	30.74	31.36	31.99	32.63
	4"	23.20	25.29	27.06	28.41	29.26	30.14	30.74	31.36	31.99	32.63
	6"	23.20	25.29	27.06	28.41	29.26	30.14	30.74	31.36	31.99	32.63
	8"	23.20	25.29	27.06	28.41	29.26	30.14	30.74	31.36	31.99	32.63
Volume Rate/1,000 Gal											
2,001	4,000	4.28	4.67	4.99	5.24	5.40	5.56	5.67	5.79	5.90	6.02
4,001	8,000	4.33	4.72	5.05	5.30	5.46	5.63	5.74	5.85	5.97	6.09
8,001	10,000	4.52	4.93	5.27	5.54	5.70	5.87	5.99	6.11	6.23	6.36
10,001	12,000	4.88	5.32	5.69	5.98	6.16	6.34	6.47	6.60	6.73	6.86
12,001	15,000	4.75	5.18	5.54	5.82	5.99	6.17	6.29	6.42	6.55	6.68
15,001	18,000	4.61	5.02	5.38	5.65	5.81	5.99	6.11	6.23	6.36	6.48
18,001	20,000	4.33	4.72	5.05	5.30	5.46	5.63	5.74	5.85	5.97	6.09
20,001	Above	4.00	4.36	4.67	4.90	5.05	5.20	5.30	5.41	5.51	5.63
W2 BH, CH, GOV, INS, SCH, C											
Monthly Minimum Charge											
	3/4"	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57	$ 42.41	$ 43.25	$ 44.12	$ 45.00
	1"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	1 1/2"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	2"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	3"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	4"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	6"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	8"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
Volume Rate/1,000 Gal											
2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74	6.88	7.02	7.16	7.30
4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15	7.29	7.43	7.58	7.73
8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50	7.65	7.80	7.96	8.11
12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74	7.90	8.06	8.22	8.38
16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15	8.31	8.48	8.64	8.82
20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06	8.22	8.38	8.55	8.72
30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28	7.42	7.57	7.72	7.88
50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20	7.34	7.49	7.64	7.79

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
W3 Multi Family											
Monthly Minimum Charge											
	3/4"	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57	$ 42.41	$ 43.25	$ 44.12	$ 45.00
	1"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	1 1/2"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	2"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	3"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	4"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	6"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	8"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
Volume Rate/1,000 Gal											
2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74	6.88	7.02	7.16	7.30
4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15	7.29	7.43	7.58	7.73
8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50	7.65	7.80	7.96	8.11
12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74	7.90	8.06	8.22	8.38
16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15	8.31	8.48	8.64	8.82
20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06	8.22	8.38	8.55	8.72
30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28	7.42	7.57	7.72	7.88
50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20	7.34	7.49	7.64	7.79
W4 TDC											
Monthly Minimum Charge											
	3/4"	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	1"	-	-	-	-	-	-	-	-	-	-
	1 1/2"	-	-	-	-	-	-	-	-	-	-
	2"	-	-	-	-	-	-	-	-	-	-
	3"	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-
Volume Rate/1,000 Gal											
-	Above	2.85	3.11	3.32	3.49	3.59	3.70	3.78	3.85	3.93	4.01

WILLDAN

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

W5 IND

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57	$ 42.41	$ 43.25	$ 44.12	$ 45.00
	1"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	1 1/2"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	2"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	3"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	4"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	6"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
	8"	32.00	34.88	37.32	39.19	40.36	41.57	42.41	43.25	44.12	45.00
Volume Rate/1,000 Gal											
2,001	4,000	5.19	5.66	6.05	6.36	6.55	6.74	6.88	7.02	7.16	7.30
4,001	8,000	5.50	6.00	6.41	6.74	6.94	7.15	7.29	7.43	7.58	7.73
8,001	12,000	5.77	6.29	6.73	7.07	7.28	7.50	7.65	7.80	7.96	8.11
12,001	16,000	5.96	6.50	6.95	7.30	7.52	7.74	7.90	8.06	8.22	8.38
16,001	20,000	6.27	6.83	7.31	7.68	7.91	8.15	8.31	8.48	8.64	8.82
20,001	30,000	6.20	6.76	7.23	7.59	7.82	8.06	8.22	8.38	8.55	8.72
30,001	50,000	5.60	6.10	6.53	6.86	7.06	7.28	7.42	7.57	7.72	7.88
50,001	Above	5.54	6.04	6.46	6.78	6.99	7.20	7.34	7.49	7.64	7.79

W6 Irrigation

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	1"	-	-	-	-	-	-	-	-	-	-
	1 1/2"	-	-	-	-	-	-	-	-	-	-
	2"	-	-	-	-	-	-	-	-	-	-
	3"	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-
Volume Rate/1,000 Gal											
-	Above	9.00	9.81	10.50	11.02	11.35	11.69	11.93	12.17	12.41	12.66

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary

***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

W7 Outside City

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
	1"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	1 1/2"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	2"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	3"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	4"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	6"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	8"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
Volume Rate/1,000 Gal											
2,001	4,000	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56
4,001	8,000	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66
8,001	10,000	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04
10,001	12,000	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76
12,001	15,000	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
15,001	18,000	9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22
18,001	20,000	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66
20,001	Above	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00

W8 Westwood

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ 46.40	$ 50.58	$ 54.12	$ 56.82	$ 58.53	$ 60.28	$ 61.49	$ 62.72	$ 63.97	$ 65.25
	1"	46.40	50.58	54.12	56.82	58.53	60.28	61.49	62.72	63.97	65.25
	1 1/2"	46.40	50.58	54.12	56.82	58.53	60.28	61.49	62.72	63.97	65.25
	2"	46.40	50.58	54.12	56.82	58.53	60.28	61.49	62.72	63.97	65.25
	3"	46.40	50.58	54.12	56.82	58.53	60.28	61.49	62.72	63.97	65.25
	4"	46.40	50.58	54.12	56.82	58.53	60.28	61.49	62.72	63.97	65.25
	6"	46.40	50.58	54.12	56.82	58.53	60.28	61.49	62.72	63.97	65.25
	8"	46.40	50.58	54.12	56.82	58.53	60.28	61.49	62.72	63.97	65.25
Volume Rate/1,000 Gal											
2,001	8,000	3.20	3.49	3.73	3.92	4.04	4.16	4.24	4.33	4.41	4.50
8,001	Above	4.20	4.58	4.90	5.14	5.30	5.46	5.57	5.68	5.79	5.91

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

2 **Wastewater Monthly Rates and Charges**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Residential											
Monthly Minimum Charge											
	3/4"	$ 15.80	$ 18.49	$ 21.63	$ 24.44	$ 25.66	$ 26.95	$ 28.29	$ 29.71	$ 31.19	$ 32.75
	1"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	1 1/2"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	2"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	3"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	4"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	6"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	8"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
Volume Rate/1,000 Gal											
2,001	4,000	2.56	3.00	3.50	3.96	4.16	4.37	4.58	4.81	5.05	5.31
4,001	8,000	2.59	3.03	3.55	4.01	4.21	4.42	4.64	4.87	5.11	5.37
8,001	10,000	2.71	3.17	3.71	4.19	4.40	4.62	4.85	5.10	5.35	5.62
10,001	12,000	2.92	3.42	4.00	4.52	4.74	4.98	5.23	5.49	5.76	6.05
12,001	15,000	2.35	2.75	3.22	3.64	3.82	4.01	4.21	4.42	4.64	4.87
15,001	18,000	2.18	2.55	2.98	3.37	3.54	3.72	3.90	4.10	4.30	4.52
18,001	20,000	2.10	2.46	2.87	3.25	3.41	3.58	3.76	3.95	4.15	4.35
20,001	Above	1.91	2.23	2.61	2.95	3.10	3.26	3.42	3.59	3.77	3.96
BH, CH, GOV, INS, SCH, C											
Monthly Minimum Charge											
	3/4"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	1"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	1 1/2"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	2"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	3"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	4"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	6"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	8"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
Volume Rate/1,000 Gal											
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36	6.68	7.01	7.36	7.73
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50	6.82	7.16	7.52	7.90
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70	7.04	7.39	7.76	8.15
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48	6.80	7.14	7.50	7.88
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34	6.66	6.99	7.34	7.71
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24	6.55	6.88	7.23	7.59
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04	6.34	6.66	6.99	7.34
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59	5.87	6.17	6.48	6.80

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Multi Family											
Monthly Minimum Charge											
	3/4"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	1"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	1 1/2"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	2"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	3"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	4"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	6"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	8"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
Volume Rate/1,000 Gal											
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36	6.68	7.01	7.36	7.73
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50	6.82	7.16	7.52	7.90
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70	7.04	7.39	7.76	8.15
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48	6.80	7.14	7.50	7.88
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34	6.66	6.99	7.34	7.71
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24	6.55	6.88	7.23	7.59
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04	6.34	6.66	6.99	7.34
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59	5.87	6.17	6.48	6.80
Outside											
Monthly Minimum Charge											
	3/4"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	1"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	1 1/2"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	2"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	3"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	4"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	6"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
	8"	15.80	18.49	21.63	24.44	25.66	26.95	28.29	29.71	31.19	32.75
Volume Rate/1,000 Gal											
2,001	4,000	2.56	3.00	3.50	3.96	4.16	4.37	4.58	4.81	5.05	5.31
4,001	8,000	2.59	3.03	3.55	4.01	4.21	4.42	4.64	4.87	5.11	5.37
8,001	10,000	2.71	3.17	3.71	4.19	4.40	4.62	4.85	5.10	5.35	5.62
10,001	12,000	2.92	3.42	4.00	4.52	4.74	4.98	5.23	5.49	5.76	6.05
12,001	15,000	2.35	2.75	3.22	3.64	3.82	4.01	4.21	4.42	4.64	4.87
15,001	18,000	2.18	2.55	2.98	3.37	3.54	3.72	3.90	4.10	4.30	4.52
18,001	20,000	2.10	2.46	2.87	3.25	3.41	3.58	3.76	3.95	4.15	4.35
20,001	Above	1.91	2.23	2.61	2.95	3.10	3.26	3.42	3.59	3.77	3.96

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
TDC											
Monthly Minimum Charge											
	3/4"	-	-	-	-	-	-	-	-	-	-
	1"	-	-	-	-	-	-	-	-	-	-
	1 1/2"	-	-	-	-	-	-	-	-	-	-
	2"	-	-	-	-	-	-	-	-	-	-
	3"	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-
Volume Rate/1,000 Gal											
-	Above	2.76	3.23	3.78	4.27	4.48	4.71	4.94	5.19	5.45	5.72
IND											
Monthly Minimum Charge											
	3/4"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	1"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	1 1/2"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	2"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	3"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	4"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	6"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	8"	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
Volume Rate/1,000 Gal											
2,001	4,000	3.73	4.36	5.11	5.77	6.06	6.36	6.68	7.01	7.36	7.73
4,001	8,000	3.81	4.46	5.22	5.89	6.19	6.50	6.82	7.16	7.52	7.90
8,001	12,000	3.93	4.60	5.38	6.08	6.38	6.70	7.04	7.39	7.76	8.15
12,001	16,000	3.80	4.45	5.20	5.88	6.17	6.48	6.80	7.14	7.50	7.88
16,001	20,000	3.72	4.35	5.09	5.75	6.04	6.34	6.66	6.99	7.34	7.71
20,001	30,000	3.66	4.28	5.01	5.66	5.94	6.24	6.55	6.88	7.23	7.59
30,001	50,000	3.54	4.14	4.85	5.48	5.75	6.04	6.34	6.66	6.99	7.34
50,001	Above	3.28	3.84	4.49	5.07	5.33	5.59	5.87	6.17	6.48	6.80

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

	Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
3 Residential Monthly Charges -- WATER										
5,000 Gallons -- 3/4" Meter										
Total	$ 44.60	$ 48.61	$ 52.02	$ 54.62	$ 56.26	$ 57.94	$ 59.10	$ 60.28	$ 61.49	$ 62.72
Dollar Inc		4.01	3.40	2.60	1.64	1.69	1.16	1.18	1.21	1.23
Percent Inc		9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
10,000 Gallons -- 3/4"" Meter										
Total	66.00	71.94	76.98	80.82	83.25	85.75	87.46	89.21	91.00	92.82
Dollar Inc		5.94	5.04	3.85	2.42	2.50	1.71	1.75	1.78	1.82
Percent Inc		9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
20,000 Gallons -- 3/4" Meter										
Total	109.80	119.68	128.06	134.46	138.50	142.65	145.50	148.41	151.38	154.41
Dollar Inc		9.88	8.38	6.40	4.03	4.15	2.85	2.91	2.97	3.03
Percent Inc		9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
50,000 Gallons -- 3/4" Meter										
Total	249.20	271.63	290.64	305.17	314.33	323.76	330.23	336.84	343.58	350.45
Dollar Inc		22.43	19.01	14.53	9.16	9.43	6.48	6.60	6.74	6.87
Percent Inc		9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
4 Commercial Monthly Charges -- WATER										
20,000 Gallons -- 1" Meter										
Total	142.00	154.78	165.61	173.90	179.11	184.49	188.18	191.94	195.78	199.69
Dollar Inc		12.78	10.83	8.28	5.22	5.37	3.69	3.76	3.84	3.92
Percent Inc		9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
60,000 Gallons -- 1" Meter										
Total	378.20	412.24	441.09	463.15	477.04	491.36	501.18	511.21	521.43	531.86
Dollar Inc		34.04	28.86	22.05	13.89	14.31	9.83	10.02	10.22	10.43
Percent Inc		9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario I -- Status Quo**

5 Residential Monthly Charges -- WASTEWATER

	Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
5,000 Gallons -- 3/4" Meter										
Total	$ 28.60	$ 33.46	$ 39.15	$ 44.24	$ 46.45	$ 48.77	$ 51.21	$ 53.77	$ 56.46	$ 59.29
Dollar Inc		4.86	5.69	5.09	2.21	2.32	2.44	2.56	2.69	2.82
Percent Inc		17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
10,000 Gallons -- 3/4" Meter										
Total	41.40	48.44	56.67	64.04	67.24	70.60	74.13	77.84	81.73	85.82
Dollar Inc		7.04	8.23	7.37	3.20	3.36	3.53	3.71	3.89	4.09
Percent Inc		17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
20,000 Gallons -- 3/4" Meter										
Total	67.00	78.39	91.72	103.64	108.82	114.26	119.98	125.97	132.27	138.89
Dollar Inc		11.39	13.33	11.92	5.18	5.44	5.71	6.00	6.30	6.61
Percent Inc		17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
30,000 Gallons -- 3/4" Meter										
Total	92.60	108.34	126.76	143.24	150.40	157.92	165.82	174.11	182.81	191.95
Dollar Inc		15.74	18.42	16.48	7.16	7.52	7.90	8.29	8.71	9.14
Percent Inc		17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

6 Commercial Monthly Charges -- WASTEWATER

	Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
30,000 Gallons -- 1" Meter										
Total 1 1/2"	$ 130.55	$ 152.74	$ 178.71	$ 201.94	$ 212.04	$ 222.64	$ 233.77	$ 245.46	$ 257.74	$ 270.62
Dollar Inc		22.19	25.97	23.23	10.10	10.60	11.13	11.69	12.27	12.89
Percent Inc		17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
60,000 Gallons -- 1" Meter										
Total 1 1/2"	242.45	283.67	331.89	375.04	393.79	413.48	434.15	455.86	478.65	502.58
Dollar Inc		41.22	48.22	43.15	18.75	19.69	20.67	21.71	22.79	23.93
Percent Inc		17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Model Summary
Scenario: ***2023 09 06 -- Scenario I -- Status Quo***

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1 Water and Wastewater Rates												
Water Rates -- Residential												
Monthly Minimum Charge		$ 23.20	$ 23.20	$ 25.29	$ 27.06	$ 28.41	$ 29.26	$ 30.14	$ 30.74	$ 31.36	$ 31.99	$ 32.63
Volume Rate Per 1,000 Gal												
2,001	4,000	$ 4.28	$ 4.28	$ 4.67	$ 4.99	$ 5.24	$ 5.40	$ 5.56	$ 5.67	$ 5.79	$ 5.90	$ 6.02
4,001	8,000	4.33	4.33	4.72	5.05	5.30	5.46	5.63	5.74	5.85	5.97	6.09
8,001	10,000	4.52	4.52	4.93	5.27	5.54	5.70	5.87	5.99	6.11	6.23	6.36
10,001	12,000	4.88	4.88	5.32	5.69	5.98	6.16	6.34	6.47	6.60	6.73	6.86
12,001	15,000	4.75	4.75	5.18	5.54	5.82	5.99	6.17	6.29	6.42	6.55	6.68
15,001	18,000	4.61	4.61	5.02	5.38	5.65	5.81	5.99	6.11	6.23	6.36	6.48
18,001	20,000	4.33	4.33	4.72	5.05	5.30	5.46	5.63	5.74	5.85	5.97	6.09
20,001	Above	4.00	4.00	4.36	4.67	4.90	5.05	5.20	5.30	5.41	5.51	5.63
Wastewater Rates - Residential												
Monthly Charge		$ 15.80	$ 15.80	$ 18.49	$ 21.63	$ 24.44	$ 25.66	$ 26.95	$ 28.29	$ 29.71	$ 31.19	$ 32.75
Volume Rate/1,000 Gal												
2,001	4,000	2.56	2.56	3.00	3.50	3.96	4.16	4.37	4.58	4.81	5.05	5.31
4,001	8,000	2.59	2.59	3.03	3.55	4.01	4.21	4.42	4.64	4.87	5.11	5.37
8,001	10,000	2.71	2.71	3.17	3.71	4.19	4.40	4.62	4.85	5.10	5.35	5.62
10,001	12,000	2.92	2.92	3.42	4.00	4.52	4.74	4.98	5.23	5.49	5.76	6.05
12,001	15,000	2.35	2.35	2.75	3.22	3.64	3.82	4.01	4.21	4.42	4.64	4.87
15,001	18,000	2.18	2.18	2.55	2.98	3.37	3.54	3.72	3.90	4.10	4.30	4.52
18,001	20,000	2.10	2.10	2.46	2.87	3.25	3.41	3.58	3.76	3.95	4.15	4.35
20,001	Above	1.91	1.91	2.23	2.61	2.95	3.10	3.26	3.42	3.59	3.77	3.96
2 Residential Standard Monthly Bill												
5,000 W	Total	$ 59.60	$ 59.60	$ 66.84	$ 74.27	$ 80.56	$ 83.71	$ 86.98	$ 89.92	$ 92.99	$ 96.17	$ 99.49
5,000 WW	Increase -- $		-	7.24	7.43	6.29	3.14	3.27	2.94	3.06	3.19	3.32
	Increase -- %		0.0%	12.2%	11.1%	8.5%	3.9%	3.9%	3.4%	3.4%	3.4%	3.4%
10,000 W	Total	94.82	94.82	106.29	118.02	127.94	132.92	138.10	142.74	147.56	152.58	157.81
10,000 WW	Increase -- $		-	11.47	11.73	9.92	4.97	5.18	4.64	4.83	5.02	5.23
	Increase -- %		0.0%	12.1%	11.0%	8.4%	3.9%	3.9%	3.4%	3.4%	3.4%	3.4%
20,000 W	Total	155.19	155.19	173.98	193.22	209.49	217.64	226.13	233.74	241.65	249.89	258.46
20,000 WW	Increase -- $		-	18.79	19.24	16.27	8.15	8.49	7.61	7.92	8.24	8.57
	Increase -- %		0.0%	12.1%	11.1%	8.4%	3.9%	3.9%	3.4%	3.4%	3.4%	3.4%
60,000 W	Total	391.59	391.59	437.77	484.41	523.61	543.55	564.29	582.57	601.57	621.32	641.84
60,000 WW	Increase -- $		-	46.18	46.64	39.19	19.94	20.75	18.28	19.00	19.74	20.52
	Increase -- %		0.0%	11.8%	10.7%	8.1%	3.8%	3.8%	3.2%	3.3%	3.3%	3.3%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Model Summary
Scenario: ***2023 09 06 -- Scenario I -- Status Quo***

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
3	**Fund Balance, Revenues and Expenses**											
	Beginning Fund Balance		**$ 1,846,252**	**$ 1,413,780**	**$ 958,411**	**$ 763,101**	**$ 794,820**	**$ 946,402**	**$ 949,677**	**$ 1,055,334**	**$ 1,264,874**	**$ 1,585,528**
	Revenues and Expenses -- CASH BASIS											
3.1	**Revenues**											
	Water Rate Revenues		$ 1,615,432	$ 1,775,823	$ 1,929,871	$ 2,059,633	$ 2,157,829	$ 2,255,467	$ 2,337,305	$ 2,418,213	$ 2,502,095	$ 2,586,663
	WW Rate Revenues		726,925	858,431	1,024,074	1,183,028	1,273,965	1,362,794	1,457,929	1,558,120	1,665,310	1,778,032
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		2,621,356	2,715,624	3,037,756	3,328,987	3,520,710	3,709,843	3,889,564	4,073,493	4,267,480	4,467,771
3.2	Operating Expenses		1,905,266	1,961,032	2,018,832	2,078,753	2,146,317	2,216,323	2,288,876	2,364,084	2,442,061	2,522,930
3.3	Net Revenues for Debt Service and Coverage		716,091	754,592	1,018,924	1,250,234	1,374,393	1,493,520	1,600,688	1,709,409	1,825,419	1,944,842
3.4	Capital Outlays		389,750	446,750	446,750	446,750	446,750	446,750	446,750	446,750	446,750	446,750
3.5	Transfers		145,000	149,350	153,721	158,252	162,949	168,245	173,733	179,420	185,316	191,428
3.6	Net Revenues Less Captial Outlays and Transfers		181,341	158,492	418,452	645,231	764,694	878,525	980,205	1,083,239	1,193,353	1,306,663
	Debt Service											
	Current Debt Service		613,812	613,862	613,762	613,512	613,112	612,562	611,862	611,012	610,012	613,862
	Future Debt Service		-	-	-	-	-	262,687	262,687	262,687	262,687	262,687
3.7	Total Debt Service		613,812	613,862	613,762	613,512	613,112	875,249	874,549	873,699	872,699	876,549
3.8	Total Cost of Service -- CASH Basis		3,053,828	3,170,994	3,233,066	3,297,267	3,369,128	3,706,567	3,783,908	3,863,953	3,946,826	4,037,657
3.9	**Net Revenues for Contingency and Coverage**		**(432,472)**	**(455,370)**	**(195,310)**	**31,719**	**151,582**	**3,276**	**105,656**	**209,540**	**320,654**	**430,114**
	Percent of COS		-14.2%	-14.4%	-6.0%	1.0%	4.5%	0.1%	2.8%	5.4%	8.1%	10.7%
	Debt Coverage (3.5/3.6)		**1.17**	**1.23**	**1.66**	**2.04**	**2.24**	**1.71**	**1.83**	**1.96**	**2.09**	**2.22**
	Ending Water & Sewer Combined Fund Balance		**1,413,780**	**958,411**	**763,101**	**794,820**	**946,402**	**949,677**	**1,055,334**	**1,264,874**	**1,585,528**	**2,015,642**
	One Day Operating Expenditures (Op.Exp+Det Svc)		7,299	7,464	7,634	7,810	8,007	8,931	9,143	9,362	9,589	9,838
	Days of Operating Expenditures		**194**	**128**	**100**	**102**	**118**	**106**	**115**	**135**	**165**	**205**
	Fund Balance Goal Days 60		437,931	447,821	458,024	468,578	480,391	535,860	548,574	561,732	575,355	590,286
	Over (Short) of Requirement		975,850	510,590	305,076	326,242	466,011	413,817	506,760	703,142	1,010,173	1,425,356

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Model Summary

Scenario: ***2023 09 06 -- Scenario I -- Status Quo***

	Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5 **Total Accounts**											
Water Accounts											
Total Accounts		2,065	2,115	2,161	2,208	2,256	2,303	2,351	2,397	2,445	2,490
New Accounts		-	42	39	40	41	40	41	39	40	39
Avg. Annual Growth Rate			2.41%	2.18%	2.18%	2.19%	2.08%	2.08%	1.97%	1.97%	1.85%
Wastewater Accounts											
Total Accounts		1,467	1,512	1,554	1,597	1,641	1,684	1,727	1,770	1,813	1,855
New Accounts		-	45	42	43	44	43	44	42	43	42
Avg. Annual Growth Rate			3.07%	2.76%	2.76%	2.76%	2.60%	2.60%	2.45%	2.45%	2.29%
6 **Annual Volume**											
Water Volume											
Residential		64,170,511	66,095,627	67,880,209	69,712,974	71,595,224	73,420,903	75,293,136	77,100,171	78,950,575	80,726,963
BH, CH, GOV, INS, SCH, C		54,019,174	55,099,558	56,091,350	57,100,994	58,128,812	59,117,002	60,121,991	61,083,943	62,061,286	62,992,205
Multi Family		14,020,400	14,160,604	14,288,049	14,416,642	14,546,392	14,670,036	14,794,731	14,913,089	15,032,394	15,145,137
TDC		79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000
IND		4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100
Irrigation		3,159,000	3,190,590	3,219,305	3,248,279	3,277,514	3,305,372	3,333,468	3,360,136	3,387,017	3,412,420
Outside City		3,731,780	3,918,369	4,094,696	4,278,957	4,471,510	4,661,549	4,859,665	5,054,052	5,256,214	5,453,322
Westwood		-	-	-	-	-	-	-	-	-	-
Other 9		-	-	-	-	-	-	-	-	-	-
Other 10		-	-	-	-	-	-	-	-	-	-
Total System		258,008,898	261,721,589	265,147,518	268,651,677	272,236,083	275,699,105	279,237,459	282,640,318	286,113,227	289,436,278
Wastewater Billing Units											
Residential		62,891,557	64,814,714	66,597,481	68,428,383	70,308,719	72,132,541	74,002,870	75,808,067	77,656,590	79,431,171
0		-	-	-	-	-	-	-	-	-	-
Multi Family		14,010,200	14,220,353	14,411,382	14,604,130	14,798,613	14,983,945	15,170,852	15,348,260	15,527,086	15,696,078
Outside		1,193,913	1,341,958	1,481,861	1,628,059	1,780,837	1,931,619	2,088,810	2,243,042	2,403,444	2,559,835
TDC		57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000
IND		1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900
Other WW7		-	-	-	-	-	-	-	-	-	-
Other WW8		-	-	-	-	-	-	-	-	-	-
Other WW9		-	-	-	-	-	-	-	-	-	-
Other WW10		-	-	-	-	-	-	-	-	-	-
Total System		179,157,519	182,471,684	185,533,501	188,668,534	191,878,688	194,983,299	198,158,460	201,214,890	204,336,946	207,326,837

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue Summary

Scenario: 2023 09 06 -- Scenario I -- Status Quo

	WATER Revenues -- Total	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
W1	Residential	$ 484,653	$ 540,376	$ 594,668	$ 642,217	$ 680,395	$ 718,677	$ 752,341	$ 785,806	$ 820,758	$ 856,010
W2	BH, CH, GOV, INS, SCH, C	391,964	432,787	472,096	505,376	530,727	555,942	577,159	598,121	619,845	641,726
W3	Multi Family	86,806	94,908	102,613	108,875	113,326	117,718	121,189	124,602	128,110	131,653
W4	TDC	225,900	244,536	262,030	275,542	284,248	292,775	298,868	304,845	310,942	317,161
W5	IND	27,707	29,993	32,139	33,796	34,864	35,909	36,657	37,390	38,138	38,900
W6	Irrigation	18,927	20,693	22,373	23,739	24,709	25,667	26,424	27,168	27,933	28,705
W7	Outside City	54,454	57,176	59,749	62,438	65,248	68,021	70,911	73,748	76,698	79,574
	Total Rate Revenue	1,615,432	1,775,823	1,929,871	2,059,633	2,157,829	2,255,467	2,337,305	2,418,213	2,502,095	2,586,663
	Non-Rate Revenue	279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenue	**1,894,432**	**1,857,193**	**2,013,682**	**2,145,959**	**2,246,745**	**2,347,050**	**2,431,635**	**2,515,373**	**2,602,170**	**2,689,740**

	Water Revenues -- Additional	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
W1	Residential		55,723	54,292	47,549	38,178	38,282	33,664	33,464	34,953	35,252
W2	BH, CH, GOV, INS, SCH, C		40,823	39,309	33,280	25,351	25,215	21,217	20,962	21,724	21,881
W3	Multi Family		8,101	7,705	6,262	4,451	4,392	3,471	3,413	3,509	3,542
W4	TDC		18,637	17,494	13,512	8,705	8,527	6,093	5,977	6,097	6,219
W5	IND		2,286	2,146	1,657	1,068	1,046	747	733	748	763
W6	Irrigation		1,766	1,680	1,365	970	958	757	744	765	772
	Total Rate Revenue		160,391	154,048	129,763	98,196	97,637	81,838	80,908	83,882	84,567
	Non-Rate Revenue		(197,630)	2,441	2,514	2,590	2,667	2,747	2,830	2,915	3,002
	Total Revenue		**(37,239)**	**156,489**	**132,277**	**100,786**	**100,305**	**84,585**	**83,738**	**86,797**	**87,570**

	WASTEWATER Revenues -- Total	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WW1	Residential	$ 306,590	$ 365,203	$ 439,040	$ 511,055	$ 554,481	$ 597,308	$ 643,435	$ 692,088	$ 744,412	$ 799,494
WW2	BH, CH, GOV, INS, SCH, C	198,327	234,818	280,737	324,961	350,582	375,619	402,418	430,597	460,723	492,356
	Total Rate Revenue	726,925	858,431	1,024,074	1,183,028	1,273,965	1,362,794	1,457,929	1,558,120	1,665,310	1,778,032
	Non-Rate Revenue	-	-	-	-	-	-	-	-	-	-
	Total Revenue	**726,925**	**858,431**	**1,024,074**	**1,183,028**	**1,273,965**	**1,362,794**	**1,457,929**	**1,558,120**	**1,665,310**	**1,778,032**

	WASTEWATER Revenues -- Additional	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
WW1	Residential		58,613	73,837	72,015	43,426	42,827	46,127	48,652	52,324	55,082
WW2	BH, CH, GOV, INS, SCH, C		36,491	45,918	44,224	25,621	25,037	26,799	28,179	30,126	31,633
	Total Rate Revenue		131,506	165,643	158,954	90,937	88,829	95,135	100,191	107,190	112,721
	Non-Rate Revenue		-	-	-	-	-	-	-	-	-
	Total Revenue		**131,506**	**165,643**	**158,954**	**90,937**	**88,829**	**95,135**	**100,191**	**107,190**	**112,721**

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1	**TOTAL Revenues and Expenses -- CASH BASIS**											
	Beginning Fund Balance		$ 1,846,252	$ 1,413,780	$ 958,411	$ 763,101	$ 794,820	$ 946,402	$ 949,677	$ 1,055,334	$ 1,264,874	$ 1,585,528
1.1	**Rate Revenues**											
	Water Rate Revenue											
W1	Residential		484,653	540,376	594,668	642,217	680,395	718,677	752,341	785,806	820,758	856,010
W2	BH, CH, GOV, INS, SCH, C		391,964	432,787	472,096	505,376	530,727	555,942	577,159	598,121	619,845	641,726
W3	Multi Family		86,806	94,908	102,613	108,875	113,326	117,718	121,189	124,602	128,110	131,653
W4	TDC		225,900	244,536	262,030	275,542	284,248	292,775	298,868	304,845	310,942	317,161
W5	IND		27,707	29,993	32,139	33,796	34,864	35,909	36,657	37,390	38,138	38,900
W6	Irrigation		18,927	20,693	22,373	23,739	24,709	25,667	26,424	27,168	27,933	28,705
W7	Outside City		54,454	57,176	59,749	62,438	65,248	68,021	70,911	73,748	76,698	79,574
W8	Westwood		325,021	355,354	384,202	407,650	424,314	440,759	453,756	466,533	479,671	492,934
W9	Other 9		-	-	-	-	-	-	-	-	-	-
W10	Other 10		-	-	-	-	-	-	-	-	-	-
	Total		1,615,432	1,775,823	1,929,871	2,059,633	2,157,829	2,255,467	2,337,305	2,418,213	2,502,095	2,586,663
	Wastewater Rate Revenue											
WW1	Residential		306,590	365,203	439,040	511,055	554,481	597,308	643,435	692,088	744,412	799,494
WW2	BH, CH, GOV, INS, SCH, C		198,327	234,818	280,737	324,961	350,582	375,619	402,418	430,597	460,723	492,356
WW4	Outside		6,252	8,122	10,494	13,061	15,086	17,181	19,508	21,996	24,748	27,676
	Total		726,925	858,431	1,024,074	1,183,028	1,273,965	1,362,794	1,457,929	1,558,120	1,665,310	1,778,032
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		**2,621,356**	**2,715,624**	**3,037,756**	**3,328,987**	**3,520,710**	**3,709,843**	**3,889,564**	**4,073,493**	**4,267,480**	**4,467,771**
	Cost of Service											
	Cost Center Code											
2	TDCJ		398,494	409,849	421,617	433,818	447,845	462,376	477,434	493,040	509,218	525,993
4	Water Services		643,984	662,829	682,350	702,575	725,235	748,702	773,010	798,195	824,293	851,344
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		728,577	750,283	772,808	796,188	822,588	849,974	878,392	907,886	938,506	970,302
23	Westwood Water		134,211	138,072	142,058	146,171	150,649	155,270	160,039	164,962	170,044	175,290
23	Westwood Water		-	-	-	-	-	-	-	-	-	-
	Total		1,905,266	1,961,032	2,018,832	2,078,753	2,146,317	2,216,323	2,288,876	2,364,084	2,442,061	2,522,930

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Budget Code											
10	Personnel Svcs		903,616	930,724	958,646	987,405	1,017,028	1,047,538	1,078,965	1,111,334	1,144,674	1,179,014
20	Services		767,650	784,168	801,183	818,713	842,203	866,375	891,248	916,843	943,182	970,287
30	Supplies		216,275	227,883	240,198	253,266	267,136	281,862	297,498	314,107	331,752	350,502
40	Other Charges		17,725	18,257	18,804	19,369	19,950	20,548	21,165	21,800	22,453	23,127
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		1,905,266	1,961,032	2,018,832	2,078,753	2,146,317	2,216,323	2,288,876	2,364,084	2,442,061	2,522,930
1.2	**Total Operating Expenses**		**1,905,266**	**1,961,032**	**2,018,832**	**2,078,753**	**2,146,317**	**2,216,323**	**2,288,876**	**2,364,084**	**2,442,061**	**2,522,930**
1.3	**Net Revenues for Debt Service and Coverage**		**716,091**	**754,592**	**1,018,924**	**1,250,234**	**1,374,393**	**1,493,520**	**1,600,688**	**1,709,409**	**1,825,419**	**1,944,842**
1.4	**Capital Outlays**		**389,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**
1.5	**Transfers**		**145,000**	**149,350**	**153,721**	**158,252**	**162,949**	**168,245**	**173,733**	**179,420**	**185,316**	**191,428**
1.6	**Net Revenues Less Captial Outlays and Transfers**		**181,341**	**158,492**	**418,452**	**645,231**	**764,694**	**878,525**	**980,205**	**1,083,239**	**1,193,353**	**1,306,663**
	Debt Service											
	Debt Service -- Current		613,812	613,862	613,762	613,512	613,112	612,562	611,862	611,012	610,012	613,862
	Debt Service -- Future		-	-	-	-	-	262,687	262,687	262,687	262,687	262,687
1.7	**Total Debt Service**		**613,812**	**613,862**	**613,762**	**613,512**	**613,112**	**875,249**	**874,549**	**873,699**	**872,699**	**876,549**
1.8	**Total Cost of Service**		**3,053,828**	**3,170,994**	**3,233,066**	**3,297,267**	**3,369,128**	**3,706,567**	**3,783,908**	**3,863,953**	**3,946,826**	**4,037,657**
1.9	**Net Revenues for Contingency and Coverage**		**(432,472)**	**(455,370)**	**(195,310)**	**31,719**	**151,582**	**3,276**	**105,656**	**209,540**	**320,654**	**430,114**
	Percent of COS		-16.5%	-16.8%	-6.4%	1.0%	4.3%	0.1%	2.7%	5.1%	7.5%	9.6%
	Ending Fund Balance		**1,413,780**	**958,411**	**763,101**	**794,820**	**946,402**	**949,677**	**1,055,334**	**1,264,874**	**1,585,528**	**2,015,642**
	Revenue Adequacy Tests											
	Total Operating + Debt Service + Transfers		2,664,078	2,724,244	2,786,316	2,850,517	2,922,378	3,259,817	3,337,158	3,417,203	3,500,076	3,590,907
	Expenses Per Day		7,299	7,464	7,634	7,810	8,007	8,931	9,143	9,362	9,589	9,838
	Days of Operating Expenses		**194**	**128**	**100**	**102**	**118**	**106**	**115**	**135**	**165**	**205**
	Debt Coverage (1.5/1.6)	**1.01**	**1.17**	**1.23**	**1.66**	**2.04**	**2.24**	**1.71**	**1.83**	**1.96**	**2.09**	**2.22**

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2	**WATER Revenues and Expenses -- CASH BASIS**											
2.1	**Water Revenues**											
	Water Rate Revenue											
W1	Residential		$ 484,653	$ 540,376	$ 594,668	$ 642,217	$ 680,395	$ 718,677	$ 752,341	$ 785,806	$ 820,758	$ 856,010
W9	Other 9		-	-	-	-	-	-	-	-	-	-
W2	BH, CH, GOV, INS, SCH, C		391,964	432,787	472,096	505,376	530,727	555,942	577,159	598,121	619,845	641,726
W10	Other 10		-	-	-	-	-	-	-	-	-	-
	Sub-Total		1,615,432	1,775,823	1,929,871	2,059,633	2,157,829	2,255,467	2,337,305	2,418,213	2,502,095	2,586,663
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		**1,894,432**	**1,857,193**	**2,013,682**	**2,145,959**	**2,246,745**	**2,347,050**	**2,431,635**	**2,515,373**	**2,602,170**	**2,689,740**
	Water Cost of Service											
	Cost Center Code											
2	TDCJ		199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services		643,984	662,829	682,350	702,575	725,235	748,702	773,010	798,195	824,293	851,344
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		-	-	-	-	-	-	-	-	-	-
23	Westwood Water		134,211	138,072	142,058	146,171	150,649	155,270	160,039	164,962	170,044	175,290
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630
	Budget Code											
10	Personnel Svcs		498,455	513,408	528,811	544,675	561,015	577,846	595,181	613,036	631,427	650,370
20	Services		352,775	360,198	367,844	375,721	386,455	397,498	408,861	420,553	432,583	444,962
30	Supplies		116,125	121,829	127,859	134,236	140,983	148,123	155,680	163,682	172,157	181,136
40	Other Charges		10,088	10,390	10,702	11,023	11,354	11,694	12,045	12,406	12,779	13,162
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630
2.2	**Total Operating Expenses**		**977,442**	**1,005,825**	**1,035,216**	**1,065,656**	**1,099,806**	**1,135,160**	**1,171,767**	**1,209,677**	**1,248,946**	**1,289,630**
2.3	**Net Revenues for Debt Service and Coverage**		**916,989**	**851,368**	**978,466**	**1,080,303**	**1,146,938**	**1,211,889**	**1,259,868**	**1,305,695**	**1,353,224**	**1,400,109**
2.4	**Capital Outlays**		**283,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**
2.5	**Transfers**		**145,000**	**149,350**	**153,721**	**158,252**	**162,949**	**168,245**	**173,733**	**179,420**	**185,316**	**191,428**
2.6	**Net Revenues Less Captial Outlays and Transfers**		**488,364**	**498,393**	**621,120**	**718,426**	**780,364**	**840,019**	**882,510**	**922,650**	**964,283**	**1,005,056**
	Debt Service											
	Debt Service -- Current		469,737	469,762	469,712	469,587	469,387	469,112	468,762	468,337	467,837	469,762
	Debt Service -- Future		-	-	-	-	-	243,924	243,924	243,924	243,924	243,924
2.7	**Total Debt Service**		**469,737**	**469,762**	**469,712**	**469,587**	**469,387**	**713,036**	**712,686**	**712,261**	**711,761**	**713,686**
2.8	**Total Cost of Service**		**1,875,804**	**1,828,562**	**1,862,274**	**1,897,120**	**1,935,768**	**2,220,066**	**2,261,811**	**2,304,983**	**2,349,648**	**2,398,369**
2.9	**Net Revenues for Contingency and Coverage**		**18,627**	**28,631**	**151,407**	**248,839**	**310,977**	**126,983**	**169,824**	**210,389**	**252,522**	**291,370**
	Percent of COS		1.0%	1.5%	7.5%	11.6%	13.8%	5.4%	7.0%	8.4%	9.7%	10.8%
	Debt Coverage (2.5/2.6)	**2.04**	**1.95**	**1.81**	**2.08**	**2.30**	**2.44**	**1.70**	**1.77**	**1.83**	**1.90**	**1.96**

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
3	**WASTEWATER Revenues and Expenses -- CASH BASIS**											
3.1	**Wastewater Revenues**											
	Wastewater Rate Revenue											
WW1	Residential		$ 306,590	$ 365,203	$ 439,040	$ 511,055	$ 554,481	$ 597,308	$ 643,435	$ 692,088	$ 744,412	$ 799,494
WW2	BH, CH, GOV, INS, SCH, C		198,327	234,818	280,737	324,961	350,582	375,619	402,418	430,597	460,723	492,356
WW3	Multi Family		52,449	61,532	72,959	83,760	89,625	95,285	101,297	107,605	114,302	121,323
WW4	Outside		6,252	8,122	10,494	13,061	15,086	17,181	19,508	21,996	24,748	27,676
			726,925	858,431	1,024,074	1,183,028	1,273,965	1,362,794	1,457,929	1,558,120	1,665,310	1,778,032
	Non-Rate Revenues		-	-	-	-	-	-	-	-	-	-
	Total Revenues		**726,925**	**858,431**	**1,024,074**	**1,183,028**	**1,273,965**	**1,362,794**	**1,457,929**	**1,558,120**	**1,665,310**	**1,778,032**
	Wastewater Cost of Service											
	Cost Center Code											
2	TDCJ		199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services		-	-	-	-	-	-	-	-	-	-
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		728,577	750,283	772,808	796,188	822,588	849,974	878,392	907,886	938,506	970,302
23	Westwood Water		-	-	-	-	-	-	-	-	-	-
	Total		927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299
	Budget Code											
10	Personnel Svcs		405,161	417,316	429,836	442,731	456,013	469,693	483,784	498,297	513,246	528,644
20	Services		414,875	423,970	433,339	442,992	455,749	468,877	482,387	496,291	510,599	525,325
30	Supplies		100,150	106,055	112,339	119,030	126,153	133,739	141,818	150,425	159,595	169,365
40	Other Charges		7,638	7,867	8,103	8,346	8,596	8,854	9,120	9,393	9,675	9,965
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299
3.2	**Total Operating Expenses**		**927,824**	**955,207**	**983,616**	**1,013,098**	**1,046,510**	**1,081,163**	**1,117,109**	**1,154,406**	**1,193,115**	**1,233,299**
3.3	**Net Revenues for Debt Service and Coverage**		**(200,899)**	**(96,776)**	**40,458**	**169,931**	**227,455**	**281,631**	**340,820**	**403,714**	**472,195**	**544,733**
3.4	**Capital Outlays**		**106,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**
3.5	**Transfers**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3.6	**Net Revenues Less Captial Outlays and Transfers**		**(307,024)**	**(339,901)**	**(202,667)**	**(73,194)**	**(15,670)**	**38,506**	**97,695**	**160,589**	**229,070**	**301,608**
	Debt Service											
	Debt Service -- Current		144,075	144,100	144,050	143,925	143,725	143,450	143,100	142,675	142,175	144,100
	Debt Service -- Future		-	-	-	-	-	18,763	18,763	18,763	18,763	18,763
3.7	**Total Debt Service**		**144,075**	**144,100**	**144,050**	**143,925**	**143,725**	**162,213**	**161,863**	**161,438**	**160,938**	**162,863**
3.8	**Total Cost of Service**		**1,178,024**	**1,342,432**	**1,370,791**	**1,400,148**	**1,433,360**	**1,486,501**	**1,522,097**	**1,558,970**	**1,597,179**	**1,639,288**
3.9	**Net Revenues for Contingency and Coverage**		**(451,099)**	**(484,001)**	**(346,717)**	**(217,119)**	**(159,395)**	**(123,707)**	**(64,168)**	**(849)**	**68,132**	**138,744**
	Percent of COS		-62.1%	-56.4%	-33.9%	-18.4%	-12.5%	-9.1%	-4.4%	-0.1%	4.1%	7.8%
	Debt Coverage (5.5/5.6)	**(0.15)**	**(1.39)**	**(0.67)**	**0.28**	**1.18**	**1.58**	**1.74**	**2.11**	**2.50**	**2.93**	**3.34**

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

1 Water Monthly Rates and Charges

W1 Residential

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Monthly Minimum Charge												
Base Charge		$ 23.20	$ 23.20	$ 25.29	$ 27.06	$ 28.41	$ 29.26	$ 30.14	$ 30.74	$ 31.36	$ 31.99	$ 32.63
Volume Rate/1,000 Gal												
2,001	4,000	$ 4.28	$ 4.28	$ 4.67	$ 4.99	$ 5.24	$ 5.40	$ 5.56	$ 5.67	$ 5.79	$ 5.90	$ 6.02
4,001	8,000	4.33	4.33	4.72	5.05	5.30	5.46	5.63	5.74	5.85	5.97	6.09
8,001	10,000	4.52	4.52	4.93	5.27	5.54	5.70	5.87	5.99	6.11	6.23	6.36
10,001	12,000	4.88	4.88	5.32	5.69	5.98	6.16	6.34	6.47	6.60	6.73	6.86
12,001	15,000	4.75	4.75	5.18	5.54	5.82	5.99	6.17	6.29	6.42	6.55	6.68
15,001	18,000	4.61	4.61	5.02	5.38	5.65	5.81	5.99	6.11	6.23	6.36	6.48
18,001	20,000	4.33	4.33	4.72	5.05	5.30	5.46	5.63	5.74	5.85	5.97	6.09
20,001	Above	4.00	4.00	4.36	4.67	4.90	5.05	5.20	5.30	5.41	5.51	5.63

W3 BH, CH, GOV, INS, SCH, C

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Monthly Minimum Charge		$ 32.00	$ 32.00	$ 34.88	$ 37.32	$ 39.19	$ 40.36	$ 41.57	$ 42.41	$ 43.25	$ 44.12	$ 45.00
Volume Rate/1,000 Gal												
2,001	4,000	$ 5.19	$ 5.19	$ 5.66	$ 6.05	$ 6.36	$ 6.55	$ 6.74	$ 6.88	$ 7.02	$ 7.16	$ 7.30
4,001	8,000	5.50	5.50	6.00	6.41	6.74	6.94	7.15	7.29	7.43	7.58	7.73
8,001	12,000	5.77	5.77	6.29	6.73	7.07	7.28	7.50	7.65	7.80	7.96	8.11
12,001	16,000	5.96	5.96	6.50	6.95	7.30	7.52	7.74	7.90	8.06	8.22	8.38
16,001	20,000	6.27	6.27	6.83	7.31	7.68	7.91	8.15	8.31	8.48	8.64	8.82
20,001	30,000	6.20	6.20	6.76	7.23	7.59	7.82	8.06	8.22	8.38	8.55	8.72
30,001	50,000	5.60	5.60	6.10	6.53	6.86	7.06	7.28	7.42	7.57	7.72	7.88
50,001	Above	5.54	5.54	6.04	6.46	6.78	6.99	7.20	7.34	7.49	7.64	7.79

2.1 Residential Monthly Charge

Gallons		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5,000	Total	$ 36.09	$ 36.09	$ 39.34	$ 42.09	$ 44.20	$ 45.52	$ 46.89	$ 47.83	$ 48.78	$ 49.76	$ 50.75
	Dollar Inc		-	3.25	2.75	2.10	1.33	1.37	0.94	0.96	0.98	1.00
	Percent Inc		0.0%	9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
10,000	Total	58.12	58.12	63.35	67.79	71.17	73.31	75.51	77.02	78.56	80.13	81.73
	Dollar Inc		-	5.23	4.43	3.39	2.14	2.20	1.51	1.54	1.57	1.60
	Percent Inc		0.0%	9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
20,000	Total	94.86	94.86	103.40	110.64	116.17	119.65	123.24	125.71	128.22	130.78	133.40
	Dollar Inc		-	8.54	7.24	5.53	3.49	3.59	2.46	2.51	2.56	2.62
	Percent Inc		0.0%	9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
50,000	Total	214.86	214.86	234.20	250.59	263.12	271.01	279.14	284.73	290.42	296.23	302.16
	Dollar Inc		-	19.34	16.39	12.53	7.89	8.13	5.58	5.69	5.81	5.92
	Percent Inc		0.0%	9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

			Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2.2	**Commercial Monthly Charge**												
	20,000	Total	136.38	136.38	148.65	159.06	167.01	172.02	177.18	180.73	184.34	188.03	191.79
		Dollar Inc		-	12.27	10.41	7.95	5.01	5.16	3.54	3.61	3.69	3.76
		Percent Inc		0.0%	9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
	60,000	Total	365.78	365.78	398.70	426.61	447.94	461.38	475.22	484.72	494.42	504.31	514.39
		Dollar Inc		-	32.92	27.91	21.33	13.44	13.84	9.50	9.69	9.89	10.09
		Percent Inc		0.0%	9.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
3	**Total Accounts**												
	Total Accounts			**2,065**	**2,115**	**2,161**	**2,208**	**2,256**	**2,303**	**2,351**	**2,397**	**2,445**	**2,490**
	New Accounts				50	46	47	48	47	48	46	47	45
	Avg. Annual Growth Rate				2.4%	2.2%	2.2%	2.2%	2.1%	2.1%	2.0%	2.0%	1.9%
4	**Annual Water Consumption**												
W.1	Residential			64,170,511	66,095,627	67,880,209	69,712,974	71,595,224	73,420,903	75,293,136	77,100,171	78,950,575	80,726,963
W.3	BH, CH, GOV, INS, SCH, C			54,019,174	55,099,558	56,091,350	57,100,994	58,128,812	59,117,002	60,121,991	61,083,943	62,061,286	62,992,205
W.5	Multi Family			14,020,400	14,160,604	14,288,049	14,416,642	14,546,392	14,670,036	14,794,731	14,913,089	15,032,394	15,145,137
W.6	TDC			79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000
W.7	IND			4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100
W.8	Irrigation			3,159,000	3,190,590	3,219,305	3,248,279	3,277,514	3,305,372	3,333,468	3,360,136	3,387,017	3,412,420
W.4	Outside City			3,731,780	3,918,369	4,094,696	4,278,957	4,471,510	4,661,549	4,859,665	5,054,052	5,256,214	5,453,322
	Total System			**258,008,898**	**261,721,589**	**265,147,518**	**268,651,677**	**272,236,083**	**275,699,105**	**279,237,459**	**282,640,318**	**286,113,227**	**289,436,278**
					1.4%	1.3%	1.3%	1.3%	1.3%	1.3%	1.2%	1.2%	1.2%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5	**Revenues and Expenses -- CASH BASIS**											
5.1	**Water Revenues**											
	Water Rate Revenue											
W1	Residential		$ 484,653	$ 540,376	$ 594,668	$ 642,217	$ 680,395	$ 718,677	$ 752,341	$ 785,806	$ 820,758	$ 856,010
W2	BH, CH, GOV, INS, SCH, C		391,963.89	432,786.93	472,095.83	505,375.92	530,726.75	555,941.57	577,158.98	598,121.40	619,845.17	641,725.70
W3	Multi Family		86,806	94,908	102,613	108,875	113,326	117,718	121,189	124,602	128,110	131,653
W4	TDC		225,900	244,536	262,030	275,542	284,248	292,775	298,868	304,845	310,942	317,161
W5	IND		27,707	29,993	32,139	33,796	34,864	35,909	36,657	37,390	38,138	38,900
W6	Irrigation		18,927	20,693	22,373	23,739	24,709	25,667	26,424	27,168	27,933	28,705
W7	Outside City		54,454	57,176	59,749	62,438	65,248	68,021	70,911	73,748	76,698	79,574
	Sub-Total		1,615,432	1,775,823	1,929,871	2,059,633	2,157,829	2,255,467	2,337,305	2,418,213	2,502,095	2,586,663
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		**1,894,432**	**1,857,193**	**2,013,682**	**2,145,959**	**2,246,745**	**2,347,050**	**2,431,635**	**2,515,373**	**2,602,170**	**2,689,740**
	Water Cost of Service											
	Cost Center Code											
2	TDCJ		199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services		643,984	662,829	682,350	702,575	725,235	748,702	773,010	798,195	824,293	851,344
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		-	-	-	-	-	-	-	-	-	-
23	Westwood Water		134,211	138,072	142,058	146,171	150,649	155,270	160,039	164,962	170,044	175,290
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Budget Code											
10	Personnel Svcs		$ 498,455	$ 513,408	$ 528,811	$ 544,675	$ 561,015	$ 577,846	$ 595,181	$ 613,036	$ 631,427	$ 650,370
20	Services		352,775	360,198	367,844	375,721	386,455	397,498	408,861	420,553	432,583	444,962
30	Supplies		116,125	121,829	127,859	134,236	140,983	148,123	155,680	163,682	172,157	181,136
40	Other Charges		10,088	10,390	10,702	11,023	11,354	11,694	12,045	12,406	12,779	13,162
50	Bonds		-	-	-	-	-	-	-	-	-	-
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630
5.2	**Total Operating Expenses**		**977,442**	**1,005,825**	**1,035,216**	**1,065,656**	**1,099,806**	**1,135,160**	**1,171,767**	**1,209,677**	**1,248,946**	**1,289,630**
5.3	**Net Revenues for Debt Service and Coverage**		**916,989**	**851,368**	**978,466**	**1,080,303**	**1,146,938**	**1,211,889**	**1,259,868**	**1,305,695**	**1,353,224**	**1,400,109**
5.4	**Capital Outlays**		**283,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**
5.5	**Transfers**		**145,000**	**149,350**	**153,721**	**158,252**	**162,949**	**168,245**	**173,733**	**179,420**	**185,316**	**191,428**
5.6	**Net Revenues Less Capital Outlays and Transfers**		**488,364**	**498,393**	**621,120**	**718,426**	**780,364**	**840,019**	**882,510**	**922,650**	**964,283**	**1,005,056**
	Debt Service											
	Debt Service -- Current		469,737	469,762	469,712	469,587	469,387	469,112	468,762	468,337	467,837	469,762
	Debt Service -- Future		-	-	-	-	-	243,924	243,924	243,924	243,924	243,924
5.7	**Total Debt Service**		**469,737**	**469,762**	**469,712**	**469,587**	**469,387**	**713,036**	**712,686**	**712,261**	**711,761**	**713,686**
5.8	**Total Cost of Service**		**1,875,804**	**1,828,562**	**1,862,274**	**1,897,120**	**1,935,768**	**2,220,066**	**2,261,811**	**2,304,983**	**2,349,648**	**2,398,369**
5.9	**Net Revenues for Contingency and Coverage**		**18,627**	**28,631**	**151,407**	**248,839**	**310,977**	**126,983**	**169,824**	**210,389**	**252,522**	**291,370**
	Percent of COS		1.0%	1.5%	7.5%	11.6%	13.8%	5.4%	7.0%	8.4%	9.7%	10.8%
	Debt Coverage (5.5/5.6)		**1.95**	**1.81**	**2.08**	**2.30**	**2.44**	**1.70**	**1.77**	**1.83**	**1.90**	**1.96**

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Wastewater Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

				Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1	**Wastewater Monthly Rates and Charges**													
	Residential													
	Monthly Charge			$ 15.80	$ 15.80	$ 18.49	$ 21.63	$ 24.44	$ 25.66	$ 26.95	$ 28.29	$ 29.71	$ 31.19	$ 32.75
	Volume Rate/1,000 Gal													
		2,001	4,000	2.56	2.56	3.00	3.50	3.96	4.16	4.37	4.58	4.81	5.05	5.31
		4,001	8,000	2.59	2.59	3.03	3.55	4.01	4.21	4.42	4.64	4.87	5.11	5.37
		8,001	10,000	2.71	2.71	3.17	3.71	4.19	4.40	4.62	4.85	5.10	5.35	5.62
		10,001	12,000	2.92	2.92	3.42	4.00	4.52	4.74	4.98	5.23	5.49	5.76	6.05
		12,001	15,000	2.35	2.35	2.75	3.22	3.64	3.82	4.01	4.21	4.42	4.64	4.87
		15,001	18,000	2.18	2.18	2.55	2.98	3.37	3.54	3.72	3.90	4.10	4.30	4.52
		18,001	20,000	2.10	2.10	2.46	2.87	3.25	3.41	3.58	3.76	3.95	4.15	4.35
		20,001	Above	1.91	1.91	2.23	2.61	2.95	3.10	3.26	3.42	3.59	3.77	3.96
	BH, CH, GOV, INS, SCH, C													
	Monthly Charge			18.65	18.65	21.82	25.53	28.85	30.29	31.81	33.40	35.07	36.82	38.66
	Volume Rate/1,000 Gal													
		2,001	4,000	3.73	3.73	4.36	5.11	5.77	6.06	6.36	6.68	7.01	7.36	7.73
		4,001	8,000	3.81	3.81	4.46	5.22	5.89	6.19	6.50	6.82	7.16	7.52	7.90
		8,001	12,000	3.93	3.93	4.60	5.38	6.08	6.38	6.70	7.04	7.39	7.76	8.15
		12,001	16,000	3.80	3.80	4.45	5.20	5.88	6.17	6.48	6.80	7.14	7.50	7.88
		16,001	20,000	3.72	3.72	4.35	5.09	5.75	6.04	6.34	6.66	6.99	7.34	7.71
		20,001	30,000	3.66	3.66	4.28	5.01	5.66	5.94	6.24	6.55	6.88	7.23	7.59
		30,001	50,000	3.54	3.54	4.14	4.85	5.48	5.75	6.04	6.34	6.66	6.99	7.34
		50,001	Above	3.28	3.28	3.84	4.49	5.07	5.33	5.59	5.87	6.17	6.48	6.80
2.1	**Residential Monthly Charge**													
	5,000 Gallons	Total		$ 23.51	$ 23.51	$ 27.51	$ 32.18	$ 36.37	$ 38.18	$ 40.09	$ 42.10	$ 44.20	$ 46.41	$ 48.73
		Dollar Inc			-	4.00	4.68	4.18	1.82	1.91	2.00	2.10	2.21	2.32
		Percent Inc			0.0%	17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
	10,000 Gallons	Total		36.70	36.70	42.94	50.24	56.77	59.61	62.59	65.72	69.00	72.45	76.08
		Dollar Inc			-	6.24	7.30	6.53	2.84	2.98	3.13	3.29	3.45	3.62
		Percent Inc			0.0%	17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
	20,000 Gallons	Total		60.33	60.33	70.59	82.59	93.32	97.99	102.89	108.03	113.43	119.10	125.06
		Dollar Inc			-	10.26	12.00	10.74	4.67	4.90	5.14	5.40	5.67	5.96
		Percent Inc			0.0%	17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
	30,000 Gallons	Total		79.43	79.43	92.93	108.73	122.87	129.01	135.46	142.23	149.35	156.81	164.65
		Dollar Inc			-	13.50	15.80	14.14	6.14	6.45	6.77	7.11	7.47	7.84
		Percent Inc			0.0%	17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Wastewater Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

			Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2.2	**Commercial Monthly Bill**												
	30,000 Gallons	Total	123.75	123.75	144.79	169.40	191.42	200.99	211.04	221.60	232.68	244.31	256.53
		Dollar Inc		-	21.04	24.61	22.02	9.57	10.05	10.55	11.08	11.63	12.22
		Percent Inc		0.0%	17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
	60,000 Gallons	Total	227.35	227.35	266.00	311.22	351.68	369.26	387.72	407.11	427.47	448.84	471.28
		Dollar Inc		-	38.65	45.22	40.46	17.58	18.46	19.39	20.36	21.37	22.44
		Percent Inc		0.0%	17.0%	17.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
3	**Total Accounts**												
	Total Accounts			**1,467**	**1,512**	**1,554**	**1,597**	**1,641**	**1,684**	**1,727**	**1,770**	**1,813**	**1,855**
	New Accounts				45	42	43	44	43	44	42	43	42
	Avg. Annual Growth Rate				3.07%	2.76%	2.76%	2.76%	2.60%	2.60%	2.45%	2.45%	2.29%
4	**Annual Wastewater Billing Units**												
WW1	Residential			62,891,557	64,814,714	66,597,481	68,428,383	70,308,719	72,132,541	74,002,870	75,808,067	77,656,590	79,431,171
WW2	BH, CH, GOV, INS, SCH, C			42,386,949	43,419,758	44,367,877	45,333,061	46,315,619	47,260,294	48,221,028	49,140,621	50,074,926	50,964,853
WW3	Multi Family			14,010,200	14,220,353	14,411,382	14,604,130	14,798,613	14,983,945	15,170,852	15,348,260	15,527,086	15,696,078
WW4	Outside			1,193,913	1,341,958	1,481,861	1,628,059	1,780,837	1,931,619	2,088,810	2,243,042	2,403,444	2,559,835
	Total System			**179,157,519**	**182,471,684**	**185,533,501**	**188,668,534**	**191,878,688**	**194,983,299**	**198,158,460**	**201,214,890**	**204,336,946**	**207,326,837**
5	**Revenues and Expenses -- CASH BASIS**												
5.1	**Wastewater Revenues**												
	Wastewater Rate Revenue												
WW1	Residential			$ 306,590	$ 365,203	$ 439,040	$ 511,055	$ 554,481	$ 597,308	$ 643,435	$ 692,088	$ 744,412	$ 799,494
WW2	BH, CH, GOV, INS, SCH, C			198,327	234,818	280,737	324,961	350,582	375,619	402,418	430,597	460,723	492,356
WW3	Multi Family			52,449	61,532	72,959	83,760	89,625	95,285	101,297	107,605	114,302	121,323
	Sub-Total			726,925	858,431	1,024,074	1,183,028	1,273,965	1,362,794	1,457,929	1,558,120	1,665,310	1,778,032
	Non-Rate Revenues			-	-	-	-	-	-	-	-	-	-
	Total Revenues			**726,925**	**858,431**	**1,024,074**	**1,183,028**	**1,273,965**	**1,362,794**	**1,457,929**	**1,558,120**	**1,665,310**	**1,778,032**
	Wastewater Cost of Service												
	Cost Center Code												
2	TDCJ			199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services			-	-	-	-	-	-	-	-	-	-
6	TDCJ Water Line			-	-	-	-	-	-	-	-	-	-
8	Wastewater Services			728,577	750,283	772,808	796,188	822,588	849,974	878,392	907,886	938,506	970,302
23	Westwood Water			-	-	-	-	-	-	-	-	-	-
	Total			927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Wastewater Summary
Scen: **2023 09 06 -- Scenario I -- Status Quo**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Budget Code											
10	Personnel Svcs		405,161	417,316	429,836	442,731	456,013	469,693	483,784	498,297	513,246	528,644
20	Services		414,875	423,970	433,339	442,992	455,749	468,877	482,387	496,291	510,599	525,325
30	Supplies		100,150	106,055	112,339	119,030	126,153	133,739	141,818	150,425	159,595	169,365
40	Other Charges		7,638	7,867	8,103	8,346	8,596	8,854	9,120	9,393	9,675	9,965
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299
5.2	**Total Operating Expenses**		**927,824**	**955,207**	**983,616**	**1,013,098**	**1,046,510**	**1,081,163**	**1,117,109**	**1,154,406**	**1,193,115**	**1,233,299**
5.3	**Net Revenues for Debt Service and Coverage**		**(200,899)**	**(96,776)**	**40,458**	**169,931**	**227,455**	**281,631**	**340,820**	**403,714**	**472,195**	**544,733**
5.4	**Capital Outlays**		**106,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**
5.5	**Transfers**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
5.6	**Net Revenues Less Captial Outlays and Transfers**		**(307,024)**	**(339,901)**	**(202,667)**	**(73,194)**	**(15,670)**	**38,506**	**97,695**	**160,589**	**229,070**	**301,608**
	Debt Service											
	Debt Service -- Current		144,075	144,100	144,050	143,925	143,725	143,450	143,100	142,675	142,175	144,100
	Debt Service -- Future		-	-	-	-	-	18,763	18,763	18,763	18,763	18,763
5.7	**Total Debt Service**		**144,075**	**144,100**	**144,050**	**143,925**	**143,725**	**162,213**	**161,863**	**161,438**	**160,938**	**162,863**
5.8	**Total Cost of Service**		**1,178,024**	**1,342,432**	**1,370,791**	**1,400,148**	**1,433,360**	**1,486,501**	**1,522,097**	**1,558,970**	**1,597,179**	**1,639,288**
5.9	**Net Revenues for Contingency and Coverage**		**(451,099)**	**(484,001)**	**(346,717)**	**(217,119)**	**(159,395)**	**(123,707)**	**(64,168)**	**(849)**	**68,132**	**138,744**
	Percent of COS		-62.1%	-56.4%	-33.9%	-18.4%	-12.5%	-9.1%	-4.4%	-0.1%	4.1%	7.8%
	Debt Coverage (5.5/5.6)		**(1.39)**	**(0.67)**	**0.28**	**1.18**	**1.58**	**1.74**	**2.11**	**2.50**	**2.93**	**3.34**

Appendix B

City of Fairfield

Ten Year Rate Analysis and Pro Forma
Fiscal Years 2023 - 2032

Utility System

Water
Sewer
Combined

Dashboard

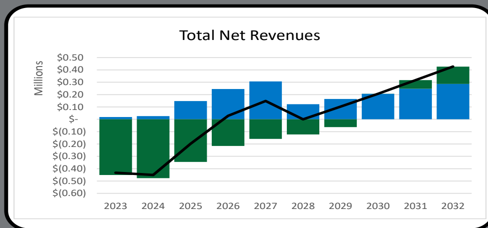
Projections
Bill Comparison
Comparable Utilities

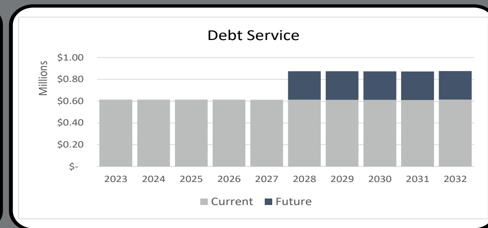
Customer Class

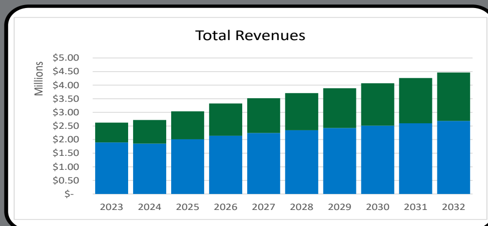
All Classes

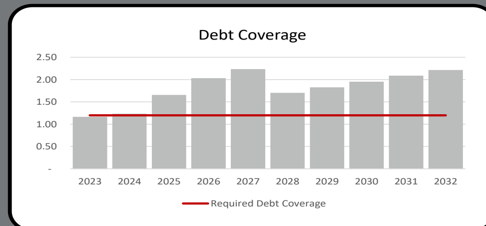
Years

10
5









Water Sewer **Combined Projections**

Future Debt Term 20

Water Future Bond Issues

	Alternative	Proposed
2023		$ -
2024		$ -
2025		$ -
2026		$ -
2027		$ 3,250,000
2028		$ -
2029		$ -
2030		$ -
2031		$ -
2032		$ -

Sewer Future Bond Issues

	Alternative	Proposed
2023		$ -
2024		$ -
2025		$ -
2026		$ -
2027		$ 250,000
2028		$ -
2029		$ -
2030		$ -
2031		$ -
2032		$ -

		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Rate Adjustments											
Meter Charge		0.00%	8.00%	7.00%	5.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
Volume Charge		0.00%	8.00%	7.00%	5.00%	3.00%	3.00%	2.00%	2.00%	2.00%	2.00%
		194	129	100	102	118	106	114	134	164	203
Sewer Rate Adjustments											
Base Charge		0.00%	16.00%	16.00%	13.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
Volume Charge	Residential	0.00%	16.00%	16.00%	13.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%
	Non-Residential	0.00%	16.00%	16.00%	13.00%	5.00%	5.00%	5.00%	5.00%	5.00%	5.00%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

Water Monthly Rates and Charges

Inside Residential Water Rates

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 23.20	$ 25.06	$ 26.81	$ 28.15	$ 28.99	$ 29.86
2,001	4,000	20	0.428	0.462	0.495	0.519	0.535	0.551
4,001	8,000	40	0.433	0.468	0.500	0.525	0.541	0.557
8,001	10,000	20	0.452	0.488	0.522	0.548	0.565	0.582
10,001	12,000	20	0.488	0.527	0.564	0.592	0.610	0.628
12,001	15,000	30	0.475	0.527	0.564	0.592	0.610	0.628
15,001	18,000	30	0.461	0.527	0.564	0.592	0.610	0.628
18,001	20,000	20	0.433	0.527	0.564	0.592	0.610	0.628
20,001	Above		0.400	0.527	0.564	0.592	0.610	0.628
Total								
-	2,000		23.20	25.06	26.81	28.15	28.99	29.86
2,001	4,000		8.56	9.24	9.89	10.39	10.70	11.02
4,001	8,000		17.32	18.71	20.01	21.02	21.65	22.30
8,001	10,000		9.04	9.76	10.45	10.97	11.30	11.64
10,001	12,000		9.76	10.54	11.28	11.84	12.20	12.56
12,001	15,000		14.25	15.81	16.92	17.76	18.30	18.85
15,001	18,000		13.83	15.81	16.92	17.76	18.30	18.85
18,001	20,000		8.66	10.54	11.28	11.84	12.20	12.56
20,001	Above							

Outside Residential Water Rates

NOTE: Rates remain unchanged

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
2,001	4,000	20	0.856	0.856	0.856	0.856	0.856	0.856
4,001	8,000	40	0.866	0.866	0.866	0.866	0.866	0.866
8,001	10,000	20	0.904	0.904	0.904	0.904	0.904	0.904
10,001	12,000	20	0.976	0.976	0.976	0.976	0.976	0.976
12,001	15,000	30	0.950	0.950	0.950	0.950	0.950	0.950
15,001	18,000	30	0.922	0.922	0.922	0.922	0.922	0.922
18,001	20,000	20	0.866	0.866	0.866	0.866	0.866	0.866
20,001	Above		0.800	0.800	0.800	0.800	0.800	0.800
Total								
-	2,000		46.40	46.40	46.40	46.40	46.40	46.40
2,001	4,000		17.12	17.12	17.12	17.12	17.12	17.12
4,001	8,000		34.64	34.64	34.64	34.64	34.64	34.64
8,001	10,000		18.08	18.08	18.08	18.08	18.08	18.08
10,001	12,000		19.52	19.52	19.52	19.52	19.52	19.52
12,001	15,000		28.50	28.50	28.50	28.50	28.50	28.50
15,001	18,000		27.66	27.66	27.66	27.66	27.66	27.66
18,001	20,000		17.32	17.32	17.32	17.32	17.32	17.32
20,001	Above							

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

Commercial Water Rates

			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Rate								
-	2,000	20	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
2,001	4,000	20	0.519	0.561	0.600	0.630	0.649	0.668
4,001	8,000	40	0.550	0.594	0.636	0.667	0.687	0.708
8,001	12,000	40	0.577	0.623	0.667	0.700	0.721	0.743
12,001	16,000	40	0.596	0.644	0.689	0.723	0.745	0.767
16,001	20,000	40	0.627	0.677	0.725	0.761	0.784	0.807
20,001	30,000	100	0.620	0.677	0.725	0.761	0.784	0.807
30,001	50,000	200	0.560	0.677	0.725	0.761	0.784	0.807
50,001	Above		0.554	0.677	0.725	0.761	0.784	0.807
Total								
-	2,000		32.00	34.56	36.98	38.83	39.99	41.19
2,001	4,000		10.38	11.21	12.00	12.59	12.97	13.36
4,001	8,000		22.00	23.76	25.42	26.69	27.50	28.32
8,001	12,000		23.08	24.93	26.67	28.00	28.84	29.71
12,001	16,000		23.84	25.75	27.55	28.93	29.79	30.69
16,001	20,000		25.08	27.09	28.98	30.43	31.34	32.28
20,001	30,000		62.00	67.72	72.46	76.08	78.36	80.71
30,001	50,000		112.00	135.43	144.91	152.16	156.72	161.42
50,001	Above							

Other Rates Per 1,000 Gallons

	Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
Residenital Irrigation	9.00	9.72	10.40	10.92	11.25	11.59
Commercial Irrigation	10.00	10.80	11.56	12.13	12.50	12.87
Bulk Hauler	12.50	13.50	14.45	15.17	15.62	16.09

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- Five Year Summary in City Format
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

Sewer Monthly Rates and Charges

Inside and Outside Sewer Rates

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 15.80	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19
2,001	4,000	20	0.256	0.561	0.600	0.630	0.649	0.668
4,001	8,000	40	0.259	0.594	0.636	0.667	0.687	0.708
8,001	10,000	20	0.271	0.623	0.667	0.700	0.721	0.743
10,001	12,000	20	0.292	0.644	0.689	0.723	0.745	0.767
12,001	15,000	30	0.235	0.677	0.725	0.761	0.784	0.807
15,001	18,000	30	0.218	0.677	0.725	0.761	0.784	0.807
18,001	20,000	20	0.210	0.677	0.725	0.761	0.784	0.807
20,001	Above		0.191	0.677	0.725	0.761	0.784	0.807

Total			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000		15.80	34.56	36.98	38.83	39.99	41.19
2,001	4,000		5.12	11.21	12.00	12.59	12.97	13.36
4,001	8,000		10.36	23.76	25.42	26.69	27.50	28.32
8,001	10,000		5.42	12.46	13.34	14.00	14.42	14.86
10,001	12,000		5.84	12.87	13.77	14.46	14.90	15.34
12,001	15,000		7.05	20.31	21.74	22.82	23.51	24.21
15,001	18,000		6.54	20.31	21.74	22.82	23.51	24.21
18,001	20,000		4.20	13.54	14.49	15.22	15.67	16.14
20,001	Above							

Commercial Sewer Rates

Rate			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000	20	$ 18.65	$ 21.63	$ 25.10	$ 28.36	$ 29.78	$ 31.26
2,001	4,000	20	0.373	0.433	0.502	0.567	0.596	0.625
4,001	8,000	40	0.381	0.442	0.513	0.579	0.608	0.639
8,001	12,000	40	0.393	0.456	0.529	0.598	0.627	0.659
12,001	16,000	40	0.380	0.456	0.529	0.598	0.627	0.659
16,001	20,000	40	0.372	0.456	0.529	0.598	0.627	0.659
20,001	30,000	100	0.366	0.456	0.529	0.598	0.627	0.659
30,001	50,000	200	0.354	0.456	0.529	0.598	0.627	0.659
50,001	Above		0.328	0.456	0.529	0.598	0.627	0.659

Total			Current	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27
-	2,000		18.65	21.63	25.10	28.36	29.78	31.26
2,001	4,000		7.46	8.65	10.04	11.34	11.91	12.51
4,001	8,000		15.24	17.68	20.51	23.17	24.33	25.55
8,001	12,000		15.72	18.24	21.15	23.90	25.10	26.35
12,001	16,000		15.20	18.24	21.15	23.90	25.10	26.35
16,001	20,000		14.88	18.24	21.15	23.90	25.10	26.35
20,001	30,000		36.60	45.59	52.88	59.76	62.74	65.88
30,001	50,000		70.80	91.18	105.76	119.51	125.49	131.76
50,001	Above							

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

1 Water Monthly Rates and Charges

CITY Water Rate and Charges

W1 Residential

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ 23.20	$ 25.06	$ 26.81	$ 28.15	$ 28.99	$ 29.86	$ 30.46	$ 31.07	$ 31.69	$ 32.33
	1"	23.20	25.06	26.81	28.15	28.99	29.86	30.46	31.07	31.69	32.33
	1 1/2"	23.20	25.06	26.81	28.15	28.99	29.86	30.46	31.07	31.69	32.33
	2"	23.20	25.06	26.81	28.15	28.99	29.86	30.46	31.07	31.69	32.33
	3"	23.20	25.06	26.81	28.15	28.99	29.86	30.46	31.07	31.69	32.33
	4"	23.20	25.06	26.81	28.15	28.99	29.86	30.46	31.07	31.69	32.33
	6"	23.20	25.06	26.81	28.15	28.99	29.86	30.46	31.07	31.69	32.33
	8"	23.20	25.06	26.81	28.15	28.99	29.86	30.46	31.07	31.69	32.33
Volume Rate/1,000 Gal											
2,001	4,000	4.28	4.62	4.95	5.19	5.35	5.51	5.62	5.73	5.85	5.96
4,001	8,000	4.33	4.68	5.00	5.25	5.41	5.57	5.69	5.80	5.92	6.03
8,001	10,000	4.52	4.88	5.22	5.48	5.65	5.82	5.93	6.05	6.17	6.30
10,001	12,000	4.88	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
12,001	15,000	4.75	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
15,001	18,000	4.61	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
18,001	20,000	4.33	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
20,001	Above	4.00	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80

W2 BH, CH, GOV, INS, SCH, C

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19	$ 42.02	$ 42.86	$ 43.71	$ 44.59
	1"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	1 1/2"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	2"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	3"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	4"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	6"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	8"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
Volume Rate/1,000 Gal											
2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68	6.81	6.95	7.09	7.23
4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08	7.22	7.37	7.51	7.66
8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43	7.58	7.73	7.88	8.04
12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67	7.83	7.98	8.14	8.30
16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

W3 Multi Family

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19	$ 42.02	$ 42.86	$ 43.71	$ 44.59
	1"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	1 1/2"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	2"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	3"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	4"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	6"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	8"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
Volume Rate/1,000 Gal											
2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68	6.81	6.95	7.09	7.23
4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08	7.22	7.37	7.51	7.66
8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43	7.58	7.73	7.88	8.04
12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67	7.83	7.98	8.14	8.30
16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74

W4 TDC

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Monthly Minimum Charge											
	3/4"	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	1"	-	-	-	-	-	-	-	-	-	-
	1 1/2"	-	-	-	-	-	-	-	-	-	-
	2"	-	-	-	-	-	-	-	-	-	-
	3"	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-
Volume Rate/1,000 Gal											
-	Above	2.85	3.08	3.29	3.46	3.56	3.67	3.74	3.82	3.89	3.97

WILLDAN

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
W5 IND											
Monthly Minimum Charge											
	3/4"	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19	$ 42.02	$ 42.86	$ 43.71	$ 44.59
	1"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	1 1/2"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	2"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	3"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	4"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	6"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
	8"	32.00	34.56	36.98	38.83	39.99	41.19	42.02	42.86	43.71	44.59
Volume Rate/1,000 Gal											
2,001	4,000	5.19	5.61	6.00	6.30	6.49	6.68	6.81	6.95	7.09	7.23
4,001	8,000	5.50	5.94	6.36	6.67	6.87	7.08	7.22	7.37	7.51	7.66
8,001	12,000	5.77	6.23	6.67	7.00	7.21	7.43	7.58	7.73	7.88	8.04
12,001	16,000	5.96	6.44	6.89	7.23	7.45	7.67	7.83	7.98	8.14	8.30
16,001	20,000	6.27	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
20,001	30,000	6.20	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
30,001	50,000	5.60	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
50,001	Above	5.54	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
W6 Irrigation											
Monthly Minimum Charge											
	3/4"	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	1"	-	-	-	-	-	-	-	-	-	-
	1 1/2"	-	-	-	-	-	-	-	-	-	-
	2"	-	-	-	-	-	-	-	-	-	-
	3"	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-
Volume Rate/1,000 Gal											
-	Above	9.00	9.72	10.40	10.92	11.25	11.59	11.82	12.05	12.29	12.54

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
W7 Outside City											
Monthly Minimum Charge											
	3/4"	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40	$ 46.40
	1"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	1 1/2"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	2"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	3"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	4"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	6"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
	8"	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40	46.40
Volume Rate/1,000 Gal											
2,001	4,000	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56
4,001	8,000	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66
8,001	10,000	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04	9.04
10,001	12,000	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76	9.76
12,001	15,000	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50	9.50
15,001	18,000	9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22	9.22
18,001	20,000	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66	8.66
20,001	Above	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00	8.00
W8 Westwood											
Monthly Minimum Charge											
	3/4"	$ 46.40	$ 50.11	$ 53.62	$ 56.30	$ 57.99	$ 59.73	$ 60.92	$ 62.14	$ 63.39	$ 64.65
	1"	46.40	50.11	53.62	56.30	57.99	59.73	60.92	62.14	63.39	64.65
	1 1/2"	46.40	50.11	53.62	56.30	57.99	59.73	60.92	62.14	63.39	64.65
	2"	46.40	50.11	53.62	56.30	57.99	59.73	60.92	62.14	63.39	64.65
	3"	46.40	50.11	53.62	56.30	57.99	59.73	60.92	62.14	63.39	64.65
	4"	46.40	50.11	53.62	56.30	57.99	59.73	60.92	62.14	63.39	64.65
	6"	46.40	50.11	53.62	56.30	57.99	59.73	60.92	62.14	63.39	64.65
	8"	46.40	50.11	53.62	56.30	57.99	59.73	60.92	62.14	63.39	64.65
Volume Rate/1,000 Gal											
2,001	8,000	3.20	3.46	3.70	3.88	4.00	4.12	4.20	4.29	4.37	4.46
8,001	Above	4.20	4.54	4.85	5.10	5.25	5.41	5.51	5.62	5.74	5.85

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

2 Wastewater Monthly Rates and Charges

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Residential											
Monthly Minimum Charge											
	3/4"	$ 15.80	$ 18.33	$ 21.26	$ 24.02	$ 25.23	$ 26.49	$ 27.81	$ 29.20	$ 30.66	$ 32.19
	1"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	1 1/2"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	2"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	3"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	4"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	6"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	8"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
Volume Rate/1,000 Gal											
2,001	4,000	2.56	2.97	3.44	3.89	4.09	4.29	4.51	4.73	4.97	5.22
4,001	8,000	2.59	3.00	3.49	3.94	4.14	4.34	4.56	4.79	5.03	5.28
8,001	10,000	2.71	3.14	3.65	4.12	4.33	4.54	4.77	5.01	5.26	5.52
10,001	12,000	2.92	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
12,001	15,000	2.35	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
15,001	18,000	2.18	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
18,001	20,000	2.10	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
20,001	Above	1.91	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
BH, CH, GOV, INS, SCH, C											
Monthly Minimum Charge											
	3/4"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	1"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	1 1/2"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	2"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	3"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	4"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	6"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	8"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
Volume Rate/1,000 Gal											
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25	6.57	6.89	7.24	7.60
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39	6.71	7.04	7.39	7.76
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
Multi Family											
Monthly Minimum Charge											
	3/4"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	1"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	1 1/2"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	2"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	3"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	4"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	6"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	8"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
Volume Rate/1,000 Gal											
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25	6.57	6.89	7.24	7.60
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39	6.71	7.04	7.39	7.76
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
Outside											
Monthly Minimum Charge											
	3/4"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	1"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	1 1/2"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	2"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	3"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	4"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	6"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
	8"	15.80	18.33	21.26	24.02	25.23	26.49	27.81	29.20	30.66	32.19
Volume Rate/1,000 Gal											
2,001	4,000	2.56	2.97	3.44	3.89	4.09	4.29	4.51	4.73	4.97	5.22
4,001	8,000	2.59	3.00	3.49	3.94	4.14	4.34	4.56	4.79	5.03	5.28
8,001	10,000	2.71	3.14	3.65	4.12	4.33	4.54	4.77	5.01	5.26	5.52
10,001	12,000	2.92	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
12,001	15,000	2.35	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
15,001	18,000	2.18	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
18,001	20,000	2.10	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
20,001	Above	1.91	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

		Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
TDC											
Monthly Minimum Charge											
	3/4"	-	-	-	-	-	-	-	-	-	-
	1"	-	-	-	-	-	-	-	-	-	-
	1 1/2"	-	-	-	-	-	-	-	-	-	-
	2"	-	-	-	-	-	-	-	-	-	-
	3"	-	-	-	-	-	-	-	-	-	-
	4"	-	-	-	-	-	-	-	-	-	-
	6"	-	-	-	-	-	-	-	-	-	-
	8"	-	-	-	-	-	-	-	-	-	-
Volume Rate/1,000 Gal											
-	Above	2.76	3.20	3.71	4.20	4.41	4.63	4.86	5.10	5.36	5.62
IND											
Monthly Minimum Charge											
	3/4"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	1"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	1 1/2"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	2"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	3"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	4"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	6"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
	8"	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
Volume Rate/1,000 Gal											
2,001	4,000	3.73	4.33	5.02	5.67	5.96	6.25	6.57	6.89	7.24	7.60
4,001	8,000	3.81	4.42	5.13	5.79	6.08	6.39	6.71	7.04	7.39	7.76
8,001	12,000	3.93	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
12,001	16,000	3.80	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
16,001	20,000	3.72	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
20,001	30,000	3.66	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
30,001	50,000	3.54	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
50,001	Above	3.28	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

	Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
3 Residential Monthly Charges -- WATER										
5,000 Gallons -- 3/4" Meter										
Total	$ 44.60	$ 48.17	$ 51.54	$ 54.12	$ 55.74	$ 57.41	$ 58.56	$ 59.73	$ 60.93	$ 62.15
Dollar Inc		3.57	3.37	2.58	1.62	1.67	1.15	1.17	1.19	1.22
Percent Inc		8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
10,000 Gallons -- 3/4"" Meter										
Total	66.00	71.28	76.27	80.08	82.49	84.96	86.66	88.39	90.16	91.96
Dollar Inc		5.28	4.99	3.81	2.40	2.47	1.70	1.73	1.77	1.80
Percent Inc		8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
20,000 Gallons -- 3/4" Meter										
Total	109.80	118.58	126.88	133.23	137.23	141.34	144.17	147.05	149.99	152.99
Dollar Inc		8.78	8.30	6.34	4.00	4.12	2.83	2.88	2.94	3.00
Percent Inc		8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
50,000 Gallons -- 3/4" Meter										
Total	249.20	269.14	287.98	302.37	311.45	320.79	327.20	333.75	340.42	347.23
Dollar Inc		19.94	18.84	14.40	9.07	9.34	6.42	6.54	6.67	6.81
Percent Inc		8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
4 Commercial Monthly Charges -- WATER										
20,000 Gallons -- 1" Meter										
Total	142.00	153.36	164.10	172.30	177.47	182.79	186.45	190.18	193.98	197.86
Dollar Inc		11.36	10.74	8.20	5.17	5.32	3.66	3.73	3.80	3.88
Percent Inc		8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
60,000 Gallons -- 1" Meter										
Total	378.20	408.46	437.05	458.90	472.67	486.85	496.58	506.52	516.65	526.98
Dollar Inc		30.26	28.59	21.85	13.77	14.18	9.74	9.93	10.13	10.33
Percent Inc		8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

City Rate Plan -- 10 Year Summary
***Scen:* 2023 09 06 -- Scenario II -- Reduced Tiers**

	Effective Apr-23	Effective Oct-23	Effective Oct-24	Effective Oct-25	Effective Oct-26	Effective Oct-27	Effective Oct-28	Effective Oct-29	Effective Oct-30	Effective Oct-31
5 Residential Monthly Charges -- WASTEWATER										
5,000 Gallons -- 3/4" Meter										
Total	$ 28.60	$ 33.18	$ 38.48	$ 43.49	$ 45.66	$ 47.94	$ 50.34	$ 52.86	$ 55.50	$ 58.28
Dollar Inc		4.58	5.31	5.00	2.17	2.28	2.40	2.52	2.64	2.78
Percent Inc		16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
10,000 Gallons -- 3/4" Meter										
Total	41.40	48.02	55.71	62.95	66.10	69.40	72.87	76.52	80.34	84.36
Dollar Inc		6.62	7.68	7.24	3.15	3.30	3.47	3.64	3.83	4.02
Percent Inc		16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
20,000 Gallons -- 3/4" Meter										
Total	67.00	77.72	90.16	101.88	106.97	112.32	117.93	123.83	130.02	136.52
Dollar Inc		10.72	12.44	11.72	5.09	5.35	5.62	5.90	6.19	6.50
Percent Inc		16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
30,000 Gallons -- 3/4" Meter										
Total	92.60	107.42	124.60	140.80	147.84	155.23	162.99	171.14	179.70	188.69
Dollar Inc		14.82	17.19	16.20	7.04	7.39	7.76	8.15	8.56	8.99
Percent Inc		16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
6 Commercial Monthly Charges -- WASTEWATER										
30,000 Gallons -- 1" Meter										
Total 1 1/2"	$ 130.55	$ 151.44	$ 175.67	$ 198.50	$ 208.43	$ 218.85	$ 229.79	$ 241.28	$ 253.35	$ 266.02
Dollar Inc		20.89	24.23	22.84	9.93	10.42	10.94	11.49	12.06	12.67
Percent Inc		16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
60,000 Gallons -- 1" Meter										
Total 1 1/2"	242.45	281.24	326.24	368.65	387.08	406.44	426.76	448.10	470.50	494.03
Dollar Inc		38.79	45.00	42.41	18.43	19.35	20.32	21.34	22.40	23.53
Percent Inc		16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Model Summary
Scenario: ***2023 09 06 -- Scenario II -- Reduced Tiers***

1 **Water and Wastewater Rates**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Water Rates -- Residential												
Monthly Minimum Charge		$ 23.20	$ 23.20	$ 25.06	$ 26.81	$ 28.15	$ 28.99	$ 29.86	$ 30.46	$ 31.07	$ 31.69	$ 32.33
Volume Rate Per 1,000 Gal												
2,001	4,000	$ 4.28	$ 4.28	$ 4.62	$ 4.95	$ 5.19	$ 5.35	$ 5.51	$ 5.62	$ 5.73	$ 5.85	$ 5.96
4,001	8,000	4.33	4.33	4.68	5.00	5.25	5.41	5.57	5.69	5.80	5.92	6.03
8,001	10,000	4.52	4.52	4.88	5.22	5.48	5.65	5.82	5.93	6.05	6.17	6.30
10,001	12,000	4.88	4.88	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
12,001	15,000	4.75	4.75	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
15,001	18,000	4.61	4.61	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
18,001	20,000	4.33	4.33	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
20,001	Above	4.00	4.00	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
Wastewater Rates - Residential												
Monthly Charge		$ 15.80	$ 15.80	$ 18.33	$ 21.26	$ 24.02	$ 25.23	$ 26.49	$ 27.81	$ 29.20	$ 30.66	$ 32.19
Volume Rate/1,000 Gal												
2,001	4,000	2.56	2.56	2.97	3.44	3.89	4.09	4.29	4.51	4.73	4.97	5.22
4,001	8,000	2.59	2.59	3.00	3.49	3.94	4.14	4.34	4.56	4.79	5.03	5.28
8,001	10,000	2.71	2.71	3.14	3.65	4.12	4.33	4.54	4.77	5.01	5.26	5.52
10,001	12,000	2.92	2.92	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
12,001	15,000	2.35	2.35	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
15,001	18,000	2.18	2.18	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
18,001	20,000	2.10	2.10	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
20,001	Above	1.91	1.91	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95

2 **Residential Standard Monthly Bill**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5,000 W	Total	$ 59.60	$ 59.60	$ 66.25	$ 73.34	$ 79.54	$ 82.64	$ 85.87	$ 88.77	$ 91.79	$ 94.93	$ 98.19
5,000 WW	Increase -- $		-	6.65	7.09	6.20	3.10	3.23	2.90	3.02	3.14	3.27
	Increase -- %		0.0%	11.2%	10.7%	8.5%	3.9%	3.9%	3.4%	3.4%	3.4%	3.4%
10,000 W	Total	94.82	94.82	105.34	116.55	126.33	131.23	136.34	140.91	145.67	150.62	155.77
10,000 WW	Increase -- $		-	10.52	11.21	9.78	4.91	5.11	4.57	4.76	4.95	5.15
	Increase -- %		0.0%	11.1%	10.6%	8.4%	3.9%	3.9%	3.4%	3.4%	3.4%	3.4%
20,000 W	Total	155.19	155.19	181.38	200.95	218.09	226.64	235.55	243.57	251.92	260.61	269.66
20,000 WW	Increase -- $		-	26.19	19.58	17.14	8.55	8.90	8.03	8.35	8.69	9.05
	Increase -- %		0.0%	16.9%	10.8%	8.5%	3.9%	3.9%	3.4%	3.4%	3.5%	3.5%
60,000 W	Total	391.59	391.59	527.68	583.69	632.54	657.08	682.62	705.46	729.22	753.93	779.65
60,000 WW	Increase -- $		-	136.09	56.01	48.85	24.53	25.55	22.84	23.76	24.71	25.72
	Increase -- %		0.0%	34.8%	10.6%	8.4%	3.9%	3.9%	3.3%	3.4%	3.4%	3.4%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Model Summary
Scenario: ***2023 09 06 -- Scenario II -- Reduced Tiers***

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
3	**Fund Balance, Revenues and Expenses**											
	Beginning Fund Balance		**$ 1,846,252**	**$ 1,413,780**	**$ 962,858**	**$ 765,393**	**$ 794,204**	**$ 942,767**	**$ 942,913**	**$ 1,045,366**	**$ 1,251,636**	**$ 1,568,955**
	Revenues and Expenses -- CASH BASIS											
3.1	**Revenues**											
	Water Rate Revenues		$ 1,615,432	$ 1,772,754	$ 1,926,221	$ 2,055,703	$ 2,153,676	$ 2,251,091	$ 2,332,736	$ 2,413,452	$ 2,497,134	$ 2,581,500
	WW Rate Revenues		726,925	865,948	1,025,569	1,184,051	1,275,100	1,364,039	1,459,294	1,559,611	1,666,936	1,779,798
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		2,621,356	2,720,071	3,035,601	3,326,079	3,517,691	3,706,713	3,886,360	4,070,223	4,264,145	4,464,376
3.2	Operating Expenses		1,905,266	1,961,032	2,018,832	2,078,753	2,146,317	2,216,323	2,288,876	2,364,084	2,442,061	2,522,930
3.3	Net Revenues for Debt Service and Coverage		716,091	759,039	1,016,769	1,247,326	1,371,374	1,490,390	1,597,485	1,706,139	1,822,084	1,941,446
3.4	Capital Outlays		389,750	446,750	446,750	446,750	446,750	446,750	446,750	446,750	446,750	446,750
3.5	Transfers		145,000	149,350	153,721	158,252	162,949	168,245	173,733	179,420	185,316	191,428
3.6	Net Revenues Less Captial Outlays and Transfers		181,341	162,939	416,297	642,324	761,675	875,395	977,002	1,079,969	1,190,018	1,303,267
	Debt Service											
	Current Debt Service		613,812	613,862	613,762	613,512	613,112	612,562	611,862	611,012	610,012	613,862
	Future Debt Service		-	-	-	-	-	262,687	262,687	262,687	262,687	262,687
3.7	Total Debt Service		613,812	613,862	613,762	613,512	613,112	875,249	874,549	873,699	872,699	876,549
3.8	Total Cost of Service -- CASH Basis		3,053,828	3,170,994	3,233,066	3,297,267	3,369,128	3,706,567	3,783,908	3,863,953	3,946,826	4,037,657
3.9	**Net Revenues for Contingency and Coverage**		**(432,472)**	**(450,923)**	**(197,465)**	**28,811**	**148,563**	**146**	**102,453**	**206,270**	**317,319**	**426,718**
	Percent of COS		-14.2%	-14.2%	-6.1%	0.9%	4.4%	0.0%	2.7%	5.3%	8.0%	10.6%
	Debt Coverage (3.5/3.6)		**1.17**	**1.24**	**1.66**	**2.03**	**2.24**	**1.70**	**1.83**	**1.95**	**2.09**	**2.21**
	Ending Water & Sewer Combined Fund Balance		**1,413,780**	**962,858**	**765,393**	**794,204**	**942,767**	**942,913**	**1,045,366**	**1,251,636**	**1,568,955**	**1,995,673**
	One Day Operating Expenditures (Op.Exp+Det Svc)		7,299	7,464	7,634	7,810	8,007	8,931	9,143	9,362	9,589	9,838
	Days of Operating Expenditures		**194**	**129**	**100**	**102**	**118**	**106**	**114**	**134**	**164**	**203**
	Fund Balance Goal Days 60		437,931	447,821	458,024	468,578	480,391	535,860	548,574	561,732	575,355	590,286
	Over (Short) of Requirement		975,850	515,037	307,368	325,626	462,377	407,053	496,792	689,904	993,600	1,405,387

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Model Summary

Scenario: ***2023 09 06 -- Scenario II -- Reduced Tiers***

	Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5 **Total Accounts**											
Water Accounts											
Total Accounts		2,065	2,115	2,161	2,208	2,256	2,303	2,351	2,397	2,445	2,490
New Accounts		-	42	39	40	41	40	41	39	40	39
Avg. Annual Growth Rate			2.41%	2.18%	2.18%	2.19%	2.08%	2.08%	1.97%	1.97%	1.85%
Wastewater Accounts											
Total Accounts		1,467	1,512	1,554	1,597	1,641	1,684	1,727	1,770	1,813	1,855
New Accounts		-	45	42	43	44	43	44	42	43	42
Avg. Annual Growth Rate			3.07%	2.76%	2.76%	2.76%	2.60%	2.60%	2.45%	2.45%	2.29%
6 **Annual Volume**											
Water Volume											
Residential		64,170,511	66,095,627	67,880,209	69,712,974	71,595,224	73,420,903	75,293,136	77,100,171	78,950,575	80,726,963
BH, CH, GOV, INS, SCH, C		54,019,174	55,099,558	56,091,350	57,100,994	58,128,812	59,117,002	60,121,991	61,083,943	62,061,286	62,992,205
Multi Family		14,020,400	14,160,604	14,288,049	14,416,642	14,546,392	14,670,036	14,794,731	14,913,089	15,032,394	15,145,137
TDC		79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000
IND		4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100
Irrigation		3,159,000	3,190,590	3,219,305	3,248,279	3,277,514	3,305,372	3,333,468	3,360,136	3,387,017	3,412,420
Outside City		3,731,780	3,918,369	4,094,696	4,278,957	4,471,510	4,661,549	4,859,665	5,054,052	5,256,214	5,453,322
Westwood		-	-	-	-	-	-	-	-	-	-
Other 9		-	-	-	-	-	-	-	-	-	-
Other 10		-	-	-	-	-	-	-	-	-	-
Total System		258,008,898	261,721,589	265,147,518	268,651,677	272,236,083	275,699,105	279,237,459	282,640,318	286,113,227	289,436,278
Wastewater Billing Units											
Residential		62,891,557	64,814,714	66,597,481	68,428,383	70,308,719	72,132,541	74,002,870	75,808,067	77,656,590	79,431,171
0		-	-	-	-	-	-	-	-	-	-
Multi Family		14,010,200	14,220,353	14,411,382	14,604,130	14,798,613	14,983,945	15,170,852	15,348,260	15,527,086	15,696,078
Outside		1,193,913	1,341,958	1,481,861	1,628,059	1,780,837	1,931,619	2,088,810	2,243,042	2,403,444	2,559,835
TDC		57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000	57,337,000
IND		1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900	1,337,900
Other WW7		-	-	-	-	-	-	-	-	-	-
Other WW8		-	-	-	-	-	-	-	-	-	-
Other WW9		-	-	-	-	-	-	-	-	-	-
Other WW10		-	-	-	-	-	-	-	-	-	-
Total System		179,157,519	182,471,684	185,533,501	188,668,534	191,878,688	194,983,299	198,158,460	201,214,890	204,336,946	207,326,837

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue Summary

Scenario: 2023 09 06 -- Scenario II -- Reduced Tiers

		2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	WATER Revenues -- Total										
W1	Residential	$ 484,653	$ 538,449	$ 592,371	$ 639,736	$ 677,766	$ 715,901	$ 749,435	$ 782,770	$ 817,587	$ 852,703
W2	BH, CH, GOV, INS, SCH, C	391,964	431,504	470,580	503,753	529,022	554,156	575,306	596,201	617,855	639,665
W3	Multi Family	86,806	98,176	106,441	112,937	117,554	122,110	125,710	129,250	132,890	136,565
W4	TDC	225,900	242,466	259,626	273,014	281,640	290,089	296,126	302,049	308,090	314,251
W5	IND	27,707	32,120	34,608	36,393	37,542	38,669	39,473	40,263	41,068	41,889
W6	Irrigation	18,927	20,518	22,168	23,521	24,482	25,431	26,181	26,918	27,676	28,442
W7	Outside City	54,454	57,176	59,749	62,438	65,248	68,021	70,911	73,748	76,698	79,574
	Total Rate Revenue	1,615,432	1,772,754	1,926,221	2,055,703	2,153,676	2,251,091	2,332,736	2,413,452	2,497,134	2,581,500
	Non-Rate Revenue	279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenue	**1,894,432**	**1,854,124**	**2,010,032**	**2,142,028**	**2,242,591**	**2,342,674**	**2,427,066**	**2,510,612**	**2,597,209**	**2,684,577**
	Water Revenues -- Additional										
W1	Residential		53,796	53,922	47,365	38,030	38,135	33,534	33,335	34,818	35,115
W2	BH, CH, GOV, INS, SCH, C		39,540	39,076	33,173	25,269	25,134	21,149	20,895	21,654	21,810
W3	Multi Family		11,370	8,265	6,496	4,617	4,556	3,601	3,540	3,640	3,674
W4	TDC		16,566	17,161	13,388	8,626	8,449	6,037	5,923	6,041	6,162
W5	IND		4,413	2,488	1,785	1,150	1,126	805	789	805	821
W6	Irrigation		1,591	1,650	1,353	961	949	750	737	758	765
	Total Rate Revenue		157,322	153,467	129,481	97,974	97,415	81,644	80,716	83,683	84,366
	Non-Rate Revenue		(197,630)	2,441	2,514	2,590	2,667	2,747	2,830	2,915	3,002
	Total Revenue		**(40,308)**	**155,908**	**131,996**	**100,564**	**100,082**	**84,392**	**83,546**	**86,597**	**87,368**
	WASTEWATER Revenues -- Total										
WW1	Residential	$ 306,590	$ 368,349	$ 439,602	$ 511,392	$ 554,847	$ 597,702	$ 643,860	$ 692,544	$ 744,903	$ 800,021
WW2	BH, CH, GOV, INS, SCH, C	198,327	235,951	279,958	323,858	349,392	374,345	401,052	429,136	459,159	490,686
	Total Rate Revenue	726,925	865,948	1,025,569	1,184,051	1,275,100	1,364,039	1,459,294	1,559,611	1,666,936	1,779,798
	Non-Rate Revenue	-	-	-	-	-	-	-	-	-	-
	Total Revenue	**726,925**	**865,948**	**1,025,569**	**1,184,051**	**1,275,100**	**1,364,039**	**1,459,294**	**1,559,611**	**1,666,936**	**1,779,798**
	WASTEWATER Revenues -- Additional										
WW1	Residential		61,760	71,253	71,790	43,455	42,855	46,158	48,684	52,359	55,119
WW2	BH, CH, GOV, INS, SCH, C		37,624	44,007	43,900	25,534	24,952	26,708	28,083	30,024	31,526
	Total Rate Revenue		139,023	159,621	158,482	91,049	88,940	95,255	100,317	107,325	112,862
	Non-Rate Revenue		-	-	-	-	-	-	-	-	-
	Total Revenue		**139,023**	**159,621**	**158,482**	**91,049**	**88,940**	**95,255**	**100,317**	**107,325**	**112,862**

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1	**TOTAL Revenues and Expenses -- CASH BASIS**											
	Beginning Fund Balance		$ 1,846,252	$ 1,413,780	$ 962,858	$ 765,393	$ 794,204	$ 942,767	$ 942,913	$ 1,045,366	$ 1,251,636	$ 1,568,955
1.1	**Rate Revenues**											
	Water Rate Revenue											
W1	Residential		484,653	538,449	592,371	639,736	677,766	715,901	749,435	782,770	817,587	852,703
W2	BH, CH, GOV, INS, SCH, C		391,964	431,504	470,580	503,753	529,022	554,156	575,306	596,201	617,855	639,665
W3	Multi Family		86,806	98,176	106,441	112,937	117,554	122,110	125,710	129,250	132,890	136,565
W4	TDC		225,900	242,466	259,626	273,014	281,640	290,089	296,126	302,049	308,090	314,251
W5	IND		27,707	32,120	34,608	36,393	37,542	38,669	39,473	40,263	41,068	41,889
W6	Irrigation		18,927	20,518	22,168	23,521	24,482	25,431	26,181	26,918	27,676	28,442
W7	Outside City		54,454	57,176	59,749	62,438	65,248	68,021	70,911	73,748	76,698	79,574
W8	Westwood		325,021	352,344	380,678	403,910	420,421	436,715	449,593	462,253	475,270	488,412
W9	Other 9		-	-	-	-	-	-	-	-	-	-
W10	Other 10		-	-	-	-	-	-	-	-	-	-
	Total		1,615,432	1,772,754	1,926,221	2,055,703	2,153,676	2,251,091	2,332,736	2,413,452	2,497,134	2,581,500
	Wastewater Rate Revenue											
WW1	Residential		306,590	368,349	439,602	511,392	554,847	597,702	643,860	692,544	744,903	800,021
WW2	BH, CH, GOV, INS, SCH, C		198,327	235,951	279,958	323,858	349,392	374,345	401,052	429,136	459,159	490,686
WW4	Outside		6,252	8,168	10,473	13,028	15,048	17,138	19,459	21,941	24,685	27,606
	Total		726,925	865,948	1,025,569	1,184,051	1,275,100	1,364,039	1,459,294	1,559,611	1,666,936	1,779,798
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		**2,621,356**	**2,720,071**	**3,035,601**	**3,326,079**	**3,517,691**	**3,706,713**	**3,886,360**	**4,070,223**	**4,264,145**	**4,464,376**
	Cost of Service											
	Cost Center Code											
2	TDCJ		398,494	409,849	421,617	433,818	447,845	462,376	477,434	493,040	509,218	525,993
4	Water Services		643,984	662,829	682,350	702,575	725,235	748,702	773,010	798,195	824,293	851,344
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		728,577	750,283	772,808	796,188	822,588	849,974	878,392	907,886	938,506	970,302
23	Westwood Water		134,211	138,072	142,058	146,171	150,649	155,270	160,039	164,962	170,044	175,290
23	Westwood Water		-	-	-	-	-	-	-	-	-	-
	Total		1,905,266	1,961,032	2,018,832	2,078,753	2,146,317	2,216,323	2,288,876	2,364,084	2,442,061	2,522,930

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary

Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Budget Code											
10	Personnel Svcs		903,616	930,724	958,646	987,405	1,017,028	1,047,538	1,078,965	1,111,334	1,144,674	1,179,014
20	Services		767,650	784,168	801,183	818,713	842,203	866,375	891,248	916,843	943,182	970,287
30	Supplies		216,275	227,883	240,198	253,266	267,136	281,862	297,498	314,107	331,752	350,502
40	Other Charges		17,725	18,257	18,804	19,369	19,950	20,548	21,165	21,800	22,453	23,127
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		1,905,266	1,961,032	2,018,832	2,078,753	2,146,317	2,216,323	2,288,876	2,364,084	2,442,061	2,522,930
1.2	**Total Operating Expenses**		**1,905,266**	**1,961,032**	**2,018,832**	**2,078,753**	**2,146,317**	**2,216,323**	**2,288,876**	**2,364,084**	**2,442,061**	**2,522,930**
1.3	**Net Revenues for Debt Service and Coverage**		**716,091**	**759,039**	**1,016,769**	**1,247,326**	**1,371,374**	**1,490,390**	**1,597,485**	**1,706,139**	**1,822,084**	**1,941,446**
1.4	**Capital Outlays**		**389,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**	**446,750**
1.5	**Transfers**		**145,000**	**149,350**	**153,721**	**158,252**	**162,949**	**168,245**	**173,733**	**179,420**	**185,316**	**191,428**
1.6	**Net Revenues Less Captial Outlays and Transfers**		**181,341**	**162,939**	**416,297**	**642,324**	**761,675**	**875,395**	**977,002**	**1,079,969**	**1,190,018**	**1,303,267**
	Debt Service											
	Debt Service -- Current		613,812	613,862	613,762	613,512	613,112	612,562	611,862	611,012	610,012	613,862
	Debt Service -- Future		-	-	-	-	-	262,687	262,687	262,687	262,687	262,687
1.7	**Total Debt Service**		**613,812**	**613,862**	**613,762**	**613,512**	**613,112**	**875,249**	**874,549**	**873,699**	**872,699**	**876,549**
1.8	**Total Cost of Service**		**3,053,828**	**3,170,994**	**3,233,066**	**3,297,267**	**3,369,128**	**3,706,567**	**3,783,908**	**3,863,953**	**3,946,826**	**4,037,657**
1.9	**Net Revenues for Contingency and Coverage**		**(432,472)**	**(450,923)**	**(197,465)**	**28,811**	**148,563**	**146**	**102,453**	**206,270**	**317,319**	**426,718**
	Percent of COS		-16.5%	-16.6%	-6.5%	0.9%	4.2%	0.0%	2.6%	5.1%	7.4%	9.6%
	Ending Fund Balance		**1,413,780**	**962,858**	**765,393**	**794,204**	**942,767**	**942,913**	**1,045,366**	**1,251,636**	**1,568,955**	**1,995,673**
	Revenue Adequacy Tests											
	Total Operating + Debt Service + Transfers		2,664,078	2,724,244	2,786,316	2,850,517	2,922,378	3,259,817	3,337,158	3,417,203	3,500,076	3,590,907
	Expenses Per Day		7,299	7,464	7,634	7,810	8,007	8,931	9,143	9,362	9,589	9,838
	Days of Operating Expenses		**194**	**129**	**100**	**102**	**118**	**106**	**114**	**134**	**164**	**203**
	Debt Coverage (1.5/1.6)	**1.02**	**1.17**	**1.24**	**1.66**	**2.03**	**2.24**	**1.70**	**1.83**	**1.95**	**2.09**	**2.21**

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2	**WATER Revenues and Expenses -- CASH BASIS**											
2.1	**Water Revenues**											
	Water Rate Revenue											
W1	Residential		$ 484,653	$ 538,449	$ 592,371	$ 639,736	$ 677,766	$ 715,901	$ 749,435	$ 782,770	$ 817,587	$ 852,703
W9	Other 9		-	-	-	-	-	-	-	-	-	-
W2	BH, CH, GOV, INS, SCH, C		391,964	431,504	470,580	503,753	529,022	554,156	575,306	596,201	617,855	639,665
W10	Other 10		-	-	-	-	-	-	-	-	-	-
	Sub-Total		1,615,432	1,772,754	1,926,221	2,055,703	2,153,676	2,251,091	2,332,736	2,413,452	2,497,134	2,581,500
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		**1,894,432**	**1,854,124**	**2,010,032**	**2,142,028**	**2,242,591**	**2,342,674**	**2,427,066**	**2,510,612**	**2,597,209**	**2,684,577**
	Water Cost of Service											
	Cost Center Code											
2	TDCJ		199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services		643,984	662,829	682,350	702,575	725,235	748,702	773,010	798,195	824,293	851,344
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		-	-	-	-	-	-	-	-	-	-
23	Westwood Water		134,211	138,072	142,058	146,171	150,649	155,270	160,039	164,962	170,044	175,290
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630
	Budget Code											
10	Personnel Svcs		498,455	513,408	528,811	544,675	561,015	577,846	595,181	613,036	631,427	650,370
20	Services		352,775	360,198	367,844	375,721	386,455	397,498	408,861	420,553	432,583	444,962
30	Supplies		116,125	121,829	127,859	134,236	140,983	148,123	155,680	163,682	172,157	181,136
40	Other Charges		10,088	10,390	10,702	11,023	11,354	11,694	12,045	12,406	12,779	13,162
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630
2.2	**Total Operating Expenses**		**977,442**	**1,005,825**	**1,035,216**	**1,065,656**	**1,099,806**	**1,135,160**	**1,171,767**	**1,209,677**	**1,248,946**	**1,289,630**
2.3	**Net Revenues for Debt Service and Coverage**		**916,989**	**848,299**	**974,816**	**1,076,372**	**1,142,785**	**1,207,514**	**1,255,299**	**1,300,935**	**1,348,263**	**1,394,947**
2.4	**Capital Outlays**		**283,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**
2.5	**Transfers**		**145,000**	**149,350**	**153,721**	**158,252**	**162,949**	**168,245**	**173,733**	**179,420**	**185,316**	**191,428**
2.6	**Net Revenues Less Captial Outlays and Transfers**		**488,364**	**495,324**	**617,470**	**714,495**	**776,211**	**835,643**	**877,941**	**917,889**	**959,322**	**999,894**
	Debt Service											
	Debt Service -- Current		469,737	469,762	469,712	469,587	469,387	469,112	468,762	468,337	467,837	469,762
	Debt Service -- Future		-	-	-	-	-	243,924	243,924	243,924	243,924	243,924
2.7	**Total Debt Service**		**469,737**	**469,762**	**469,712**	**469,587**	**469,387**	**713,036**	**712,686**	**712,261**	**711,761**	**713,686**
2.8	**Total Cost of Service**		**1,875,804**	**1,828,562**	**1,862,274**	**1,897,120**	**1,935,768**	**2,220,066**	**2,261,811**	**2,304,983**	**2,349,648**	**2,398,369**
2.9	**Net Revenues for Contingency and Coverage**		**18,627**	**25,562**	**147,758**	**244,908**	**306,824**	**122,607**	**165,255**	**205,629**	**247,562**	**286,208**
	Percent of COS		1.0%	1.4%	7.4%	11.4%	13.7%	5.2%	6.8%	8.2%	9.5%	10.7%
	Debt Coverage (2.5/2.6)	**2.03**	**1.95**	**1.81**	**2.08**	**2.29**	**2.43**	**1.69**	**1.76**	**1.83**	**1.89**	**1.95**

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Revenue and Expense Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Current	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
3	**WASTEWATER Revenues and Expenses -- CASH BASIS**											
3.1	**Wastewater Revenues**											
	Wastewater Rate Revenue											
WW1	Residential		$ 306,590	$ 368,349	$ 439,602	$ 511,392	$ 554,847	$ 597,702	$ 643,860	$ 692,544	$ 744,903	$ 800,021
WW2	BH, CH, GOV, INS, SCH, C		198,327	235,951	279,958	323,858	349,392	374,345	401,052	429,136	459,159	490,686
WW3	Multi Family		52,449	65,606	77,545	88,969	95,199	101,211	107,597	114,298	121,411	128,869
WW4	Outside		6,252	8,168	10,473	13,028	15,048	17,138	19,459	21,941	24,685	27,606
			726,925	865,948	1,025,569	1,184,051	1,275,100	1,364,039	1,459,294	1,559,611	1,666,936	1,779,798
	Non-Rate Revenues		-	-	-	-	-	-	-	-	-	-
	Total Revenues		**726,925**	**865,948**	**1,025,569**	**1,184,051**	**1,275,100**	**1,364,039**	**1,459,294**	**1,559,611**	**1,666,936**	**1,779,798**
	Wastewater Cost of Service											
	Cost Center Code											
2	TDCJ		199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services		-	-	-	-	-	-	-	-	-	-
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		728,577	750,283	772,808	796,188	822,588	849,974	878,392	907,886	938,506	970,302
23	Westwood Water		-	-	-	-	-	-	-	-	-	-
	Total		927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299
	Budget Code											
10	Personnel Svcs		405,161	417,316	429,836	442,731	456,013	469,693	483,784	498,297	513,246	528,644
20	Services		414,875	423,970	433,339	442,992	455,749	468,877	482,387	496,291	510,599	525,325
30	Supplies		100,150	106,055	112,339	119,030	126,153	133,739	141,818	150,425	159,595	169,365
40	Other Charges		7,638	7,867	8,103	8,346	8,596	8,854	9,120	9,393	9,675	9,965
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299
3.2	**Total Operating Expenses**		**927,824**	**955,207**	**983,616**	**1,013,098**	**1,046,510**	**1,081,163**	**1,117,109**	**1,154,406**	**1,193,115**	**1,233,299**
3.3	**Net Revenues for Debt Service and Coverage**		**(200,899)**	**(89,259)**	**41,952**	**170,953**	**228,589**	**282,877**	**342,186**	**405,205**	**473,821**	**546,499**
3.4	**Capital Outlays**		**106,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**
3.5	**Transfers**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3.6	**Net Revenues Less Captial Outlays and Transfers**		**(307,024)**	**(332,384)**	**(201,173)**	**(72,172)**	**(14,536)**	**39,752**	**99,061**	**162,080**	**230,696**	**303,374**
	Debt Service											
	Debt Service -- Current		144,075	144,100	144,050	143,925	143,725	143,450	143,100	142,675	142,175	144,100
	Debt Service -- Future		-	-	-	-	-	18,763	18,763	18,763	18,763	18,763
3.7	**Total Debt Service**		**144,075**	**144,100**	**144,050**	**143,925**	**143,725**	**162,213**	**161,863**	**161,438**	**160,938**	**162,863**
3.8	**Total Cost of Service**		**1,178,024**	**1,342,432**	**1,370,791**	**1,400,148**	**1,433,360**	**1,486,501**	**1,522,097**	**1,558,970**	**1,597,179**	**1,639,288**
3.9	**Net Revenues for Contingency and Coverage**		**(451,099)**	**(476,484)**	**(345,223)**	**(216,097)**	**(158,261)**	**(122,462)**	**(62,803)**	**641**	**69,757**	**140,511**
	Percent of COS		-62.1%	-55.0%	-33.7%	-18.3%	-12.4%	-9.0%	-4.3%	0.0%	4.2%	7.9%
	Debt Coverage (5.5/5.6)	**(0.13)**	**(1.39)**	**(0.62)**	**0.29**	**1.19**	**1.59**	**1.74**	**2.11**	**2.51**	**2.94**	**3.36**

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary

Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

1 Water Monthly Rates and Charges

W1 Residential

			Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Monthly Minimum Charge													
Base Charge			$ 23.20	$ 23.20	$ 25.06	$ 26.81	$ 28.15	$ 28.99	$ 29.86	$ 30.46	$ 31.07	$ 31.69	$ 32.33
Volume Rate/1,000 Gal													
	2,001	4,000	$ 4.28	$ 4.28	$ 4.62	$ 4.95	$ 5.19	$ 5.35	$ 5.51	$ 5.62	$ 5.73	$ 5.85	$ 5.96
	4,001	8,000	4.33	4.33	4.68	5.00	5.25	5.41	5.57	5.69	5.80	5.92	6.03
	8,001	10,000	4.52	4.52	4.88	5.22	5.48	5.65	5.82	5.93	6.05	6.17	6.30
	10,001	12,000	4.88	4.88	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
	12,001	15,000	4.75	4.75	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
	15,001	18,000	4.61	4.61	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
	18,001	20,000	4.33	4.33	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80
	20,001	Above	4.00	4.00	5.27	5.64	5.92	6.10	6.28	6.41	6.54	6.67	6.80

W3 BH, CH, GOV, INS, SCH, C

			Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
Monthly Minimum Charge													
			$ 32.00	$ 32.00	$ 34.56	$ 36.98	$ 38.83	$ 39.99	$ 41.19	$ 42.02	$ 42.86	$ 43.71	$ 44.59
Volume Rate/1,000 Gal													
	2,001	4,000	$ 5.19	$ 5.19	$ 5.61	$ 6.00	$ 6.30	$ 6.49	$ 6.68	$ 6.81	$ 6.95	$ 7.09	$ 7.23
	4,001	8,000	5.50	5.50	5.94	6.36	6.67	6.87	7.08	7.22	7.37	7.51	7.66
	8,001	12,000	5.77	5.77	6.23	6.67	7.00	7.21	7.43	7.58	7.73	7.88	8.04
	12,001	16,000	5.96	5.96	6.44	6.89	7.23	7.45	7.67	7.83	7.98	8.14	8.30
	16,001	20,000	6.27	6.27	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
	20,001	30,000	6.20	6.20	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
	30,001	50,000	5.60	5.60	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74
	50,001	Above	5.54	5.54	6.77	7.25	7.61	7.84	8.07	8.23	8.40	8.57	8.74

2.1 Residential Monthly Charge

Gallons		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5,000	Total	$ 36.09	$ 36.09	$ 38.98	$ 41.71	$ 43.79	$ 45.10	$ 46.46	$ 47.39	$ 48.33	$ 49.30	$ 50.29
	Dollar Inc		-	2.89	2.73	2.09	1.31	1.35	0.93	0.95	0.97	0.99
	Percent Inc		0.0%	8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
10,000	Total	58.12	58.12	62.77	67.16	70.52	72.64	74.82	76.31	77.84	79.40	80.98
	Dollar Inc		-	4.65	4.39	3.36	2.12	2.18	1.50	1.53	1.56	1.59
	Percent Inc		0.0%	8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
20,000	Total	94.86	94.86	104.93	112.28	117.89	121.43	125.07	127.57	130.12	132.73	135.38
	Dollar Inc		-	10.07	7.35	5.61	3.54	3.64	2.50	2.55	2.60	2.65
	Percent Inc		0.0%	10.6%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
50,000	Total	214.86	214.86	263.04	281.46	295.53	304.40	313.53	319.80	326.20	332.72	339.37
	Dollar Inc		-	48.18	18.41	14.07	8.87	9.13	6.27	6.40	6.52	6.65
	Percent Inc		0.0%	22.4%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

			Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2.2	**Commercial Monthly Charge**												
	20,000	Total	136.38	136.38	147.29	157.60	165.48	170.45	175.56	179.07	182.65	186.30	190.03
		Dollar Inc		-	10.91	10.31	7.88	4.96	5.11	3.51	3.58	3.65	3.73
		Percent Inc		0.0%	8.0%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
	60,000	Total	365.78	365.78	418.15	447.43	469.80	483.89	498.41	508.38	518.54	528.91	539.49
		Dollar Inc		-	52.37	29.27	22.37	14.09	14.52	9.97	10.17	10.37	10.58
		Percent Inc		0.0%	14.3%	7.0%	5.0%	3.0%	3.0%	2.0%	2.0%	2.0%	2.0%
3	**Total Accounts**												
	Total Accounts			**2,065**	**2,115**	**2,161**	**2,208**	**2,256**	**2,303**	**2,351**	**2,397**	**2,445**	**2,490**
	New Accounts				50	46	47	48	47	48	46	47	45
	Avg. Annual Growth Rate				2.4%	2.2%	2.2%	2.2%	2.1%	2.1%	2.0%	2.0%	1.9%
4	**Annual Water Consumption**												
W.1	Residential			64,170,511	66,095,627	67,880,209	69,712,974	71,595,224	73,420,903	75,293,136	77,100,171	78,950,575	80,726,963
W.3	BH, CH, GOV, INS, SCH, C			54,019,174	55,099,558	56,091,350	57,100,994	58,128,812	59,117,002	60,121,991	61,083,943	62,061,286	62,992,205
W.5	Multi Family			14,020,400	14,160,604	14,288,049	14,416,642	14,546,392	14,670,036	14,794,731	14,913,089	15,032,394	15,145,137
W.6	TDC			79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000	79,311,000
W.7	IND			4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100	4,716,100
W.8	Irrigation			3,159,000	3,190,590	3,219,305	3,248,279	3,277,514	3,305,372	3,333,468	3,360,136	3,387,017	3,412,420
W.4	Outside City			3,731,780	3,918,369	4,094,696	4,278,957	4,471,510	4,661,549	4,859,665	5,054,052	5,256,214	5,453,322
	Total System			**258,008,898**	**261,721,589**	**265,147,518**	**268,651,677**	**272,236,083**	**275,699,105**	**279,237,459**	**282,640,318**	**286,113,227**	**289,436,278**
					1.4%	1.3%	1.3%	1.3%	1.3%	1.3%	1.2%	1.2%	1.2%

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CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
5	**Revenues and Expenses -- CASH BASIS**											
5.1	**Water Revenues**											
	Water Rate Revenue											
W1	Residential		$ 484,653	$ 538,449	$ 592,371	$ 639,736	$ 677,766	$ 715,901	$ 749,435	$ 782,770	$ 817,587	$ 852,703
W2	BH, CH, GOV, INS, SCH, C		391,963.89	431,504.09	470,579.76	503,752.98	529,022.39	554,156.24	575,305.52	596,200.61	617,854.62	639,664.89
W3	Multi Family		86,806	98,176	106,441	112,937	117,554	122,110	125,710	129,250	132,890	136,565
W4	TDC		225,900	242,466	259,626	273,014	281,640	290,089	296,126	302,049	308,090	314,251
W5	IND		27,707	32,120	34,608	36,393	37,542	38,669	39,473	40,263	41,068	41,889
W6	Irrigation		18,927	20,518	22,168	23,521	24,482	25,431	26,181	26,918	27,676	28,442
W7	Outside City		54,454	57,176	59,749	62,438	65,248	68,021	70,911	73,748	76,698	79,574
	Sub-Total		1,615,432	1,772,754	1,926,221	2,055,703	2,153,676	2,251,091	2,332,736	2,413,452	2,497,134	2,581,500
	Non-Rate Revenues		279,000	81,370	83,811	86,325	88,915	91,583	94,330	97,160	100,075	103,077
	Total Revenues		**1,894,432**	**1,854,124**	**2,010,032**	**2,142,028**	**2,242,591**	**2,342,674**	**2,427,066**	**2,510,612**	**2,597,209**	**2,684,577**
	Water Cost of Service											
	Cost Center Code											
2	TDCJ		199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services		643,984	662,829	682,350	702,575	725,235	748,702	773,010	798,195	824,293	851,344
6	TDCJ Water Line		-	-	-	-	-	-	-	-	-	-
8	Wastewater Services		-	-	-	-	-	-	-	-	-	-
23	Westwood Water		134,211	138,072	142,058	146,171	150,649	155,270	160,039	164,962	170,044	175,290
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Water Summary

Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Budget Code											
10	Personnel Svcs		$ 498,455	$ 513,408	$ 528,811	$ 544,675	$ 561,015	$ 577,846	$ 595,181	$ 613,036	$ 631,427	$ 650,370
20	Services		352,775	360,198	367,844	375,721	386,455	397,498	408,861	420,553	432,583	444,962
30	Supplies		116,125	121,829	127,859	134,236	140,983	148,123	155,680	163,682	172,157	181,136
40	Other Charges		10,088	10,390	10,702	11,023	11,354	11,694	12,045	12,406	12,779	13,162
50	Bonds		-	-	-	-	-	-	-	-	-	-
	Total		977,442	1,005,825	1,035,216	1,065,656	1,099,806	1,135,160	1,171,767	1,209,677	1,248,946	1,289,630
5.2	**Total Operating Expenses**		**977,442**	**1,005,825**	**1,035,216**	**1,065,656**	**1,099,806**	**1,135,160**	**1,171,767**	**1,209,677**	**1,248,946**	**1,289,630**
5.3	**Net Revenues for Debt Service and Coverage**		**916,989**	**848,299**	**974,816**	**1,076,372**	**1,142,785**	**1,207,514**	**1,255,299**	**1,300,935**	**1,348,263**	**1,394,947**
5.4	**Capital Outlays**		**283,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**	**203,625**
5.5	**Transfers**		**145,000**	**149,350**	**153,721**	**158,252**	**162,949**	**168,245**	**173,733**	**179,420**	**185,316**	**191,428**
5.6	**Net Revenues Less Capital Outlays and Transfers**		**488,364**	**495,324**	**617,470**	**714,495**	**776,211**	**835,643**	**877,941**	**917,889**	**959,322**	**999,894**
	Debt Service											
	Debt Service -- Current		469,737	469,762	469,712	469,587	469,387	469,112	468,762	468,337	467,837	469,762
	Debt Service -- Future		-	-	-	-	-	243,924	243,924	243,924	243,924	243,924
5.7	**Total Debt Service**		**469,737**	**469,762**	**469,712**	**469,587**	**469,387**	**713,036**	**712,686**	**712,261**	**711,761**	**713,686**
5.8	**Total Cost of Service**		**1,875,804**	**1,828,562**	**1,862,274**	**1,897,120**	**1,935,768**	**2,220,066**	**2,261,811**	**2,304,983**	**2,349,648**	**2,398,369**
5.9	**Net Revenues for Contingency and Coverage**		**18,627**	**25,562**	**147,758**	**244,908**	**306,824**	**122,607**	**165,255**	**205,629**	**247,562**	**286,208**
	Percent of COS		1.0%	1.4%	7.4%	11.4%	13.7%	5.2%	6.8%	8.2%	9.5%	10.7%
	Debt Coverage (5.5/5.6)		**1.95**	**1.81**	**2.08**	**2.29**	**2.43**	**1.69**	**1.76**	**1.83**	**1.89**	**1.95**

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Wastewater Summary

Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

			Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
1 **Wastewater Monthly Rates and Charges**													
Residential													
Monthly Charge			$ 15.80	$ 15.80	$ 18.33	$ 21.26	$ 24.02	$ 25.23	$ 26.49	$ 27.81	$ 29.20	$ 30.66	$ 32.19
Volume Rate/1,000 Gal													
	2,001	4,000	2.56	2.56	2.97	3.44	3.89	4.09	4.29	4.51	4.73	4.97	5.22
	4,001	8,000	2.59	2.59	3.00	3.49	3.94	4.14	4.34	4.56	4.79	5.03	5.28
	8,001	10,000	2.71	2.71	3.14	3.65	4.12	4.33	4.54	4.77	5.01	5.26	5.52
	10,001	12,000	2.92	2.92	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
	12,001	15,000	2.35	2.35	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
	15,001	18,000	2.18	2.18	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
	18,001	20,000	2.10	2.10	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
	20,001	Above	1.91	1.91	3.39	3.93	4.44	4.66	4.90	5.14	5.40	5.67	5.95
BH, CH, GOV, INS, SCH, C													
Monthly Charge			18.65	18.65	21.63	25.10	28.36	29.78	31.26	32.83	34.47	36.19	38.00
Volume Rate/1,000 Gal													
	2,001	4,000	3.73	3.73	4.33	5.02	5.67	5.96	6.25	6.57	6.89	7.24	7.60
	4,001	8,000	3.81	3.81	4.42	5.13	5.79	6.08	6.39	6.71	7.04	7.39	7.76
	8,001	12,000	3.93	3.93	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
	12,001	16,000	3.80	3.80	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
	16,001	20,000	3.72	3.72	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
	20,001	30,000	3.66	3.66	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
	30,001	50,000	3.54	3.54	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
	50,001	Above	3.28	3.28	4.56	5.29	5.98	6.27	6.59	6.92	7.26	7.63	8.01
2.1 **Residential Monthly Charge**													
5,000 Gallons	Total		$ 23.51	$ 23.51	$ 27.27	$ 31.64	$ 35.75	$ 37.53	$ 39.41	$ 41.38	$ 43.45	$ 45.62	$ 47.91
	Dollar Inc			-	3.76	4.36	4.11	1.79	1.88	1.97	2.07	2.17	2.28
	Percent Inc			0.0%	16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
10,000 Gallons	Total		36.70	36.70	42.57	49.38	55.80	58.59	61.52	64.60	67.83	71.22	74.78
	Dollar Inc			-	5.87	6.81	6.42	2.79	2.93	3.08	3.23	3.39	3.56
	Percent Inc			0.0%	16.0%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
20,000 Gallons	Total		60.33	60.33	76.44	88.68	100.20	105.21	110.47	116.00	121.80	127.89	134.28
	Dollar Inc			-	16.11	12.23	11.53	5.01	5.26	5.52	5.80	6.09	6.39
	Percent Inc			0.0%	26.7%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
30,000 Gallons	Total		79.43	79.43	110.32	127.97	144.60	151.83	159.42	167.40	175.76	184.55	193.78
	Dollar Inc			-	30.89	17.65	16.64	7.23	7.59	7.97	8.37	8.79	9.23
	Percent Inc			0.0%	38.9%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Wastewater Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

			Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
2.2	**Commercial Monthly Bill**												
	30,000 Gallons	Total	123.75	123.75	148.26	171.98	194.34	204.06	214.26	224.97	236.22	248.03	260.43
		Dollar Inc		-	24.51	23.72	22.36	9.72	10.20	10.71	11.25	11.81	12.40
		Percent Inc		0.0%	19.8%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
	60,000 Gallons	Total	227.35	227.35	285.02	330.63	373.61	392.29	411.90	432.50	454.12	476.83	500.67
		Dollar Inc		-	57.67	45.60	42.98	18.68	19.61	20.60	21.62	22.71	23.84
		Percent Inc		0.0%	25.4%	16.0%	13.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%
3	**Total Accounts**												
	Total Accounts			**1,467**	**1,512**	**1,554**	**1,597**	**1,641**	**1,684**	**1,727**	**1,770**	**1,813**	**1,855**
	New Accounts				45	42	43	44	43	44	42	43	42
	Avg. Annual Growth Rate				3.07%	2.76%	2.76%	2.76%	2.60%	2.60%	2.45%	2.45%	2.29%
4	**Annual Wastewater Billing Units**												
WW1	Residential			62,891,557	64,814,714	66,597,481	68,428,383	70,308,719	72,132,541	74,002,870	75,808,067	77,656,590	79,431,171
WW2	BH, CH, GOV, INS, SCH, C			42,386,949	43,419,758	44,367,877	45,333,061	46,315,619	47,260,294	48,221,028	49,140,621	50,074,926	50,964,853
WW3	Multi Family			14,010,200	14,220,353	14,411,382	14,604,130	14,798,613	14,983,945	15,170,852	15,348,260	15,527,086	15,696,078
WW4	Outside			1,193,913	1,341,958	1,481,861	1,628,059	1,780,837	1,931,619	2,088,810	2,243,042	2,403,444	2,559,835
	Total System			**179,157,519**	**182,471,684**	**185,533,501**	**188,668,534**	**191,878,688**	**194,983,299**	**198,158,460**	**201,214,890**	**204,336,946**	**207,326,837**
5	**Revenues and Expenses -- CASH BASIS**												
5.1	**Wastewater Revenues**												
	Wastewater Rate Revenue												
WW1	Residential			$ 306,590	$ 368,349	$ 439,602	$ 511,392	$ 554,847	$ 597,702	$ 643,860	$ 692,544	$ 744,903	$ 800,021
WW2	BH, CH, GOV, INS, SCH, C			198,327	235,951	279,958	323,858	349,392	374,345	401,052	429,136	459,159	490,686
WW3	Multi Family			52,449	65,606	77,545	88,969	95,199	101,211	107,597	114,298	121,411	128,869
	Sub-Total			726,925	865,948	1,025,569	1,184,051	1,275,100	1,364,039	1,459,294	1,559,611	1,666,936	1,779,798
	Non-Rate Revenues			-	-	-	-	-	-	-	-	-	-
	Total Revenues			**726,925**	**865,948**	**1,025,569**	**1,184,051**	**1,275,100**	**1,364,039**	**1,459,294**	**1,559,611**	**1,666,936**	**1,779,798**
	Wastewater Cost of Service												
	Cost Center Code												
2	TDCJ			199,247	204,924	210,809	216,909	223,922	231,188	238,717	246,520	254,609	262,997
4	Water Services			-	-	-	-	-	-	-	-	-	-
6	TDCJ Water Line			-	-	-	-	-	-	-	-	-	-
8	Wastewater Services			728,577	750,283	772,808	796,188	822,588	849,974	878,392	907,886	938,506	970,302
23	Westwood Water			-	-	-	-	-	-	-	-	-	-
	Total			927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299

CITY OF FAIRFIELD
WATER/WASTEWATER COST OF SERVICE MODEL

Wastewater Summary
Scen: **2023 09 06 -- Scenario II -- Reduced Tiers**

		Prior	Current 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
	Budget Code											
10	Personnel Svcs		405,161	417,316	429,836	442,731	456,013	469,693	483,784	498,297	513,246	528,644
20	Services		414,875	423,970	433,339	442,992	455,749	468,877	482,387	496,291	510,599	525,325
30	Supplies		100,150	106,055	112,339	119,030	126,153	133,739	141,818	150,425	159,595	169,365
40	Other Charges		7,638	7,867	8,103	8,346	8,596	8,854	9,120	9,393	9,675	9,965
50	Bonds		-	-	-	-	-	-	-	-	-	-
60	Capital Outlay		-	-	-	-	-	-	-	-	-	-
	Total		927,824	955,207	983,616	1,013,098	1,046,510	1,081,163	1,117,109	1,154,406	1,193,115	1,233,299
5.2	**Total Operating Expenses**		**927,824**	**955,207**	**983,616**	**1,013,098**	**1,046,510**	**1,081,163**	**1,117,109**	**1,154,406**	**1,193,115**	**1,233,299**
5.3	**Net Revenues for Debt Service and Coverage**		**(200,899)**	**(89,259)**	**41,952**	**170,953**	**228,589**	**282,877**	**342,186**	**405,205**	**473,821**	**546,499**
5.4	**Capital Outlays**		**106,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**	**243,125**
5.5	**Transfers**		**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
5.6	**Net Revenues Less Captial Outlays and Transfers**		**(307,024)**	**(332,384)**	**(201,173)**	**(72,172)**	**(14,536)**	**39,752**	**99,061**	**162,080**	**230,696**	**303,374**
	Debt Service											
	Debt Service -- Current		144,075	144,100	144,050	143,925	143,725	143,450	143,100	142,675	142,175	144,100
	Debt Service -- Future		-	-	-	-	-	18,763	18,763	18,763	18,763	18,763
5.7	**Total Debt Service**		**144,075**	**144,100**	**144,050**	**143,925**	**143,725**	**162,213**	**161,863**	**161,438**	**160,938**	**162,863**
5.8	**Total Cost of Service**		**1,178,024**	**1,342,432**	**1,370,791**	**1,400,148**	**1,433,360**	**1,486,501**	**1,522,097**	**1,558,970**	**1,597,179**	**1,639,288**
5.9	**Net Revenues for Contingency and Coverage**		**(451,099)**	**(476,484)**	**(345,223)**	**(216,097)**	**(158,261)**	**(122,462)**	**(62,803)**	**641**	**69,757**	**140,511**
	Percent of COS		-62.1%	-55.0%	-33.7%	-18.3%	-12.4%	-9.0%	-4.3%	0.0%	4.2%	7.9%
	Debt Coverage (5.5/5.6)		**(1.39)**	**(0.62)**	**0.29**	**1.19**	**1.59**	**1.74**	**2.11**	**2.51**	**2.94**	**3.36**

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