

CITY OF
EDGEWATER

**Water, Wastewater, Solid Waste, and Stormwater
Utility Rate Study – Fiscal Year 2020 Update**

Final Report / July 16, 2020



July 16, 2020

Honorable Mayor and
 Members of the City Council
 City of Edgewater
 104 N. Riverside Drive
 Edgewater, FL 32132

Subject: **Water, Wastewater, Solid Waste, and Stormwater Utility Rate Study –
 Fiscal Year 2020 Update**

Ladies and Gentlemen:

Raftelis Financial Consultants, Inc. ("Raftelis") has completed our Fiscal Year 2020 update to the Rate Study for the water, wastewater, solid waste, and stormwater rates for the City of Edgewater, Florida (the "City") and has summarized the results of our analyses, assumptions, recommendations, and conclusions in this report, which is submitted for your consideration. The analysis encompassed a financial evaluation for the six (6) fiscal year period of October 1, 2019 through September 30, 2025 (the "Forecast Period"). Based on the assumptions relied upon in the development of the projected utility system revenues and expenditure needs, Raftelis has identified the need for water, wastewater, solid waste, and stormwater rate adjustments shown below for Fiscal Years 2021 through 2025.

Summary of Previously Adopted and Proposed Rate Adjustments

Description	Fiscal Year Ending September 30,					
	2020	2021	2022	2023	2024	2025
Previously Recommended Rate Adjustments:						
Water and Wastewater Systems	9.0%	9.0%	3.0%	3.0%	3.0%	N/A
Solid Waste System	6.0%	6.0%	6.0%	3.0%	3.0%	N/A
Stormwater System	9.1%	8.3%	7.7%	7.1%	6.7%	N/A
Proposed Rate Adjustments:						
Water and Wastewater Systems [1]	N/A	6.0%	6.0%	4.0%	3.0%	3.0%
Solid Waste System [2]						
Collection Service	N/A	-12.5%	0.0%	1.5%	2.0%	2.0%
Recycling Service	N/A	0.0%	2.6%	2.5%	2.4%	2.3%
Stormwater System [3]	N/A	0.0%	8.3%	7.7%	7.1%	1.7%

[1] Rates were adjusted at the beginning of Fiscal Year 2020 by 9.0% for the water and wastewater systems.
 [2] Rates were adjusted in January of Fiscal Year 2020 by 6.0%.
 [3] Rates were adjusted at the beginning of Fiscal Year 2020 by 9.09%.

As can be seen above, the total proposed rate adjustments for the water, wastewater and solid waste systems are lower than those presented in the previous rate study. The proposed reduction in rate increases for the various systems are primarily due to changes in operating costs, programmed transfers/deposits, and the amount and timing of certain capital projects. In addition to reviewing the adequacy of rates for the utility systems Raftelis was also tasked with reviewing and developing alternatives to the water and wastewater system's existing rate structure. However, based on the projected impacts of the rate design alternatives evaluated the City has decided at this time to hold on implementing any rate structure changes. The proposed utility rates for all are designed to meet several goals and objectives. The main objective of our analysis was to develop proposed rates that will produce revenues sufficient to meet the projected expenditure requirements of each utility system.

Other goals and objectives considered in the study include:

-) The proposed rates should allow the utility to maintain a financial position that is both sustainable and consistent with performance criteria established by the City and based on utility industry standards;
-) The proposed rates should comply with rate covenant requirements associated with existing debt or future borrowings;
-) The proposed rates should be based on full cost recovery principles; and
-) The proposed rates, to the extent practical, should be comparable with those of neighboring utility systems.

The proposed rates and charges for water, wastewater, solid waste, and stormwater service are designed to meet the goals and objectives outlined above and should be sufficient to provide for the recovery of the total costs anticipated for each utility system.

Following this letter, we have provided a summary report, which briefly summarizes the results of our study and outlines our recommendations and conclusions.

We appreciate the opportunity to be of service to the City and would like to thank the City staff for their valuable assistance and cooperation during this study.

Respectfully submitted,

Raftelis Financial Consultants, Inc.



Henry L. Thomas
Vice President



Shawn A. Ocasio
Senior Consultant

HLT/dlc
Attachments

CITY OF EDGEWATER, FLORIDA

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
UTILITY RATE STUDY – FISCAL YEAR 2020 UPDATE**

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CITY OF EDGEWATER, FLORIDA
WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
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CITY OF EDGEWATER, FLORIDA

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER
UTILITY RATE STUDY – FISCAL YEAR 2020 UPDATE**

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SECTION 1

WATER AND WASTEWATER SYSTEMS



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SECTION 1 – WATER AND WASTEWATER SYSTEMS

Customer Growth and Revenues

Projected revenues from rates for the water and wastewater system were based on the schedule of water, wastewater, and reclaimed water rates and charges effective October 1, 2019. In order to calculate projected revenues from existing rates for the Forecast Period, the existing fiscal year 2020 rates were applied to projected billing statistics. Based on discussions with City staff, the revised growth projections recognize 200 additional accounts in 2020 associated with the acquisition of a service area from the Utilities Commission of New Smyrna Beach and an average annual growth in customers of approximately 0.71%, or 80 accounts, per year throughout the Forecast Period. Based on year-to-date customer billing information provided by the City for Fiscal Year 2020 (which shows a decrease in billed flows for 2020) the forecast assumes future customer usage at these reduced levels, as shown in Tables 1-1 through 1-6. Based on these assumptions, system revenues at proposed rates are estimated to increase from approximately \$11.3 million to \$14.3 million per year over the Forecast Period. Other operating revenues such as tap-on fees, services charges, and penalties are projected, on average, to be approximately \$683,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$10,900 per year, over the Forecast Period.

Operating and Maintenance Expenses

The Fiscal Year 2020 operating budget served as the basis for the operating expense projections for the remainder of the Forecast Period. Certain adjustments were made to the Fiscal Year 2020 operating budget to exclude depreciation, principal and interest payments on debt, capital expenditures, and additions to reserves, which were accounted for separately in our analysis; or in the case of depreciation, excluded as a non-cash expense. The adjusted amounts were then allocated between the water and wastewater systems, as shown in Tables 1-7 through 1-11. These adjustments resulted in the Fiscal Year 2020 operating budget of \$13.4 million being adjusted down to approximately \$8.0 million to identify cash operating expenses, as shown in Table 1-7. A bad debt allowance of 0.25% of rate revenues was recognized in each fiscal year. The allowance represents an average of approximately \$32,300 annually. Operation and maintenance expenses are projected to increase over the Forecast Period by an annual average of approximately 3.1% per year above Fiscal Year 2020 operating budget levels. The overall increase in projected operating expenses was based upon assumptions corresponding to several cost escalation factors and the nature of the expense as shown on Table 1-12. A few of the major cost escalation factors are shown below:

1. Labor – 4.0% in Fiscal Year 2021 and 3.0% in Fiscal Years 2022 through 2025
2. Health Insurance – 10.0% increase per year
3. Consumer Price Index (CPI) – Average of 2.5% per year
4. Electricity and Fuel – 5.0% per year

Capital Improvement Plan

The Capital Improvement Program ("CIP") relied upon in this analysis was based on the Fiscal Year 2020 - 2025 CIP, as provided by City. The City's project cost estimates were based on current year dollars and therefore the projected amounts were escalated by the Engineering News-Record ("ENR") index, which has been approximately 3.0% per year, to account for estimated construction cost inflation over the Forecast Period. The CIP includes approximately \$28.1 million in improvements, renewals and replacements, and regulatory related investments. The CIP also includes an acquisition of a service area from Utilities Commission of New Smyrna Beach. Based on discussions with the City this acquisition is intended to be self-funding. The City will be funding the initial acquisition and connection cost but will gain 200 new accounts. These new accounts will provide a benefit by contributing towards the costs of the system thereby paying for themselves over time. The financial forecast assumes that the anticipated CIP will be fully funded through a combination of rate revenues, cash reserves, assessments, and proposed debt as shown on Table 1-13.

Existing and Proposed Debt

Based on the debt service schedules for the outstanding bonds, SRF Loans, revenue notes, and proposed senior and subordinate lien debt, the annual debt service payments to be funded from rates is approximately \$2.0 million per year, increasing to \$2.4 million over the Forecast Period. Payments for the proposed senior lien debt, which represent a 50% allocation of the debt service proposed for the public works building project, are projected to begin in Fiscal Year 2024 and will be approximately \$372,000 annually. Payments for the proposed subordinate lien debts that will finance water and wastewater plant upgrades, reclaimed line extensions, and lift station rehabilitations are projected to begin in Fiscal Year 2023 and will be approximately \$141,000, increasing to approximately \$565,000 by 2025. Existing and proposed debt service payments are summarized on Table 1-14.

Transfers

In order to fund ongoing renewal and replacement capital needs anticipated by the City, an annual transfer to the renewal and replacement fund from rate revenues is recommended. The transfer starts at 12.8% of the prior year's revenues and increases gradually to 15.0%, by the end of the Forecast Period. The amounts funded each year start at \$1.4 million in 2020 and increase to \$2.2 million by 2025 and are shown in Table 1-15. Additionally, the City transfers 5.9% of the prior year's water and wastewater gross revenues to the General Fund in the form of a Payment in-Lieu-of Franchise Fee ("PILOFF"). These amounts are funded each year of the Forecast Period and average approximately \$772,000 annually (starting at \$695,000 in 2020 and increasing to \$857,000 by 2025), as shown in Table 1-17.

Cash Balances

In Fiscal Year 2011, the City adopted Resolution No. 2011-R-20, which established a fund balance policy applying to all General Fund balances (the "Charter Reserve"). Subsequently in Fiscal Year 2016 the City adopted Resolution No. 2016-R-40, which extended the Charter Reserve policy to all operating funds including the water, wastewater, stormwater and solid waste enterprise funds. The adopted fund balance policy establishes a reserve balance target equal to 15% of the current fiscal year operating expenditures, excluding general fund transfers, with a maximum of 25%. If the reserve balance amount falls below

targeted levels the City must begin a plan to achieve the minimum balance of 15% within five (5) years. Currently the City is working towards fulfilling this requirement. A deposit of approximately \$343,000 per year for three years (2021-2023) is projected and funded in the rate plan to meet this reserve requirement by Fiscal Year 2023. It should be noted that the Charter Reserve deposit budgeted for 2020 was delayed one year based on discussions with City leadership in order to allow for a smoothing of the projected rate trajectory and provide rate relief to existing customers due to the economic impacts of Covid-19. Additionally, the City targets an operating fund ending cash balance between of 45 to 90 days of rate revenue. The Operating Fund is projected to remain near or above the 90-day level throughout the Forecast Period. Lastly, based on the City's loan agreements the City must target a balance of 5% of system fixed assets in the Renewal and Replacement Fund for unforeseen contingencies and capital needs. This target is generally maintained throughout the Forecast Period. All projected year end cash balances are summarized on Table 1-18 at the end of this section.

Conclusions and Recommendations

Based on the projected operating expenditure needs of the water and wastewater system and the projected funding plan for the CIP, it is estimated that the previously adopted and projected rate increases will be sufficient, as shown on Tables 1-19 through 1-22. The projected operating results set forth herein assume the continued implementation of the previously adopted and proposed rate adjustments. Below is a summary of the proposed rate adjustments, along with certain projected financial operating results.

Summary of Projected Rate Adjustments and Key Operating Results

Description	Fiscal Year Ending September 30,					
	2020	2021	2022	2023	2024	2025
Adopted/Previously Recommended Rate Adjustments (Resolution No. 2017-R-24)	9.00%	9.00%	3.00%	3.00%	3.00%	N/A
Proposed Water and Wastewater Rate Adjustments	N/A[1]	6.00%	6.00%	4.00%	3.00%	3.00%
System Revenue Surplus/(Deficiency) [2]	(\$335,734)	(\$76,247)	\$258,631	\$208,277	(\$9,977)	(\$29,807)
Operating Fund (Ending Balance) [3]	\$3,423,228	\$3,485,572	\$3,538,471	\$3,637,475	\$3,627,498	\$3,442,221
Days of Cash (Target of 45-90 Days of Rate Revenue) [3]	111	106	101	99	96	88
Renewal and Replacement Fund (Ending Balance) [3]	\$2,159,426	\$1,819,425	\$1,689,563	\$2,154,612	\$2,365,077	\$2,079,569
Charter Reserve Fund (Ending Balance)	\$781,886	\$1,125,251	\$1,468,617	\$1,811,982	\$1,811,982	\$1,811,982
Impact Fee Funds (Ending Balance)	\$1,377,646	\$1,566,247	\$1,755,036	\$1,670,696	\$1,859,590	\$2,048,672
Senior Lien Debt Service Coverage (Test 1.00)	1.25	1.28	1.28	1.31	1.25	1.24
Subordinate Lien Debt Service Coverage (Test 1.15)	7.03	7.89	8.99	7.14	5.25	4.19
All-In Debt Service Coverage (Target 1.50)	2.01	2.76	3.19	3.09	2.43	2.37

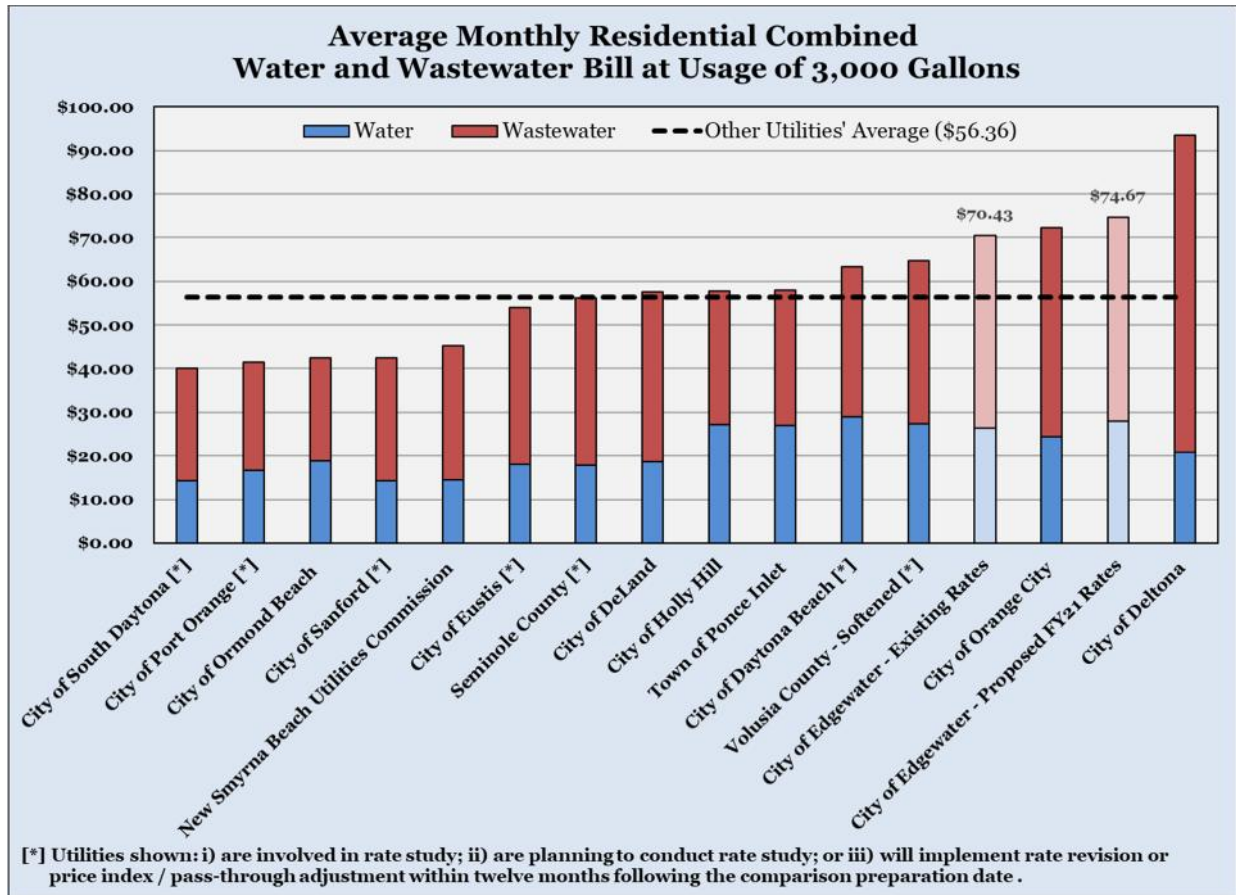
[1] Rates were adjusted at the beginning of Fiscal Year 2020 by 9.0% for the water and wastewater systems.

[2] As shown in Table 1-21.

[3] As shown in Table 1-18.

Rate Comparison

As shown below for an average bill based on 3,000 gallons of water use and on Tables 1-23 through 1-25 for a range of usage levels, bills under the proposed Fiscal Year 2020 water and wastewater rates are above average when compared to the surveyed, neighboring utilities' average.



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**Table 1-1
City of Edgewater, Florida
Water and Wastewater Utility Rate Study**

Summary of Historical and Projected Water Accounts and Sales

Line No.	Description	Historical Fiscal Year Ended September 30,						Projected Fiscal Year Ending September 30,					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
INSIDE THE CITY													
Residential Single Family													
1	Annual Account Growth	N/A	295	56	11	(279)	55	75	75	75	75	75	
2	Average Accounts Served During Year	9,370	9,665	9,721	9,732	9,453	9,507	9,582	9,657	9,732	9,807	9,882	
3	Equivalent Residential Connections (ERCs)	9,375	9,668	9,726	9,738	9,459	9,514	9,589	9,664	9,739	9,814	9,889	
4	Total Water Sales (000s Gallons)	378,613	393,841	398,525	396,188	367,956	364,606	338,069	340,714	343,358	346,002	348,647	
5	Average Monthly Usage (000s Gallons)	3.4	3.4	3.4	3.4	3.2	3.2	2.9	2.9	2.9	2.9	2.9	
Residential Multi Family													
6	Annual Account Growth	N/A	2	(1)	0	(2)	(2)	0	0	0	0	0	
7	Average Accounts Served During Year	50	52	51	51	50	48	48	48	48	48	48	
8	Equivalent Residential Connections (ERCs)	130	135	132	132	132	130	130	130	130	130	130	
9	Total Water Sales (000s Gallons)	18,785	20,366	18,205	18,316	19,258	18,430	16,956	16,956	16,956	16,956	16,956	
10	Average Monthly Usage (000s Gallons)	12.1	12.6	11.5	11.6	12.1	11.9	10.9	10.9	10.9	10.9	10.9	
Commercial													
11	Annual Account Growth	N/A	2	7	28	(8)	7	5	5	5	5	5	
12	Average Accounts Served During Year	468	470	478	506	498	505	510	515	520	525	530	
13	Equivalent Residential Connections (ERCs)	986	980	1,006	1,042	1,034	1,074	1,079	1,084	1,089	1,094	1,099	
14	Total Water Sales (000s Gallons)	39,330	42,892	43,383	48,992	45,030	51,602	47,713	47,952	48,192	48,431	48,670	
15	Average Monthly Usage (000s Gallons)	3.3	3.6	3.6	3.9	3.6	4.0	3.7	3.7	3.7	3.7	3.7	
Total Inside the City													
16	Annual Account Growth	N/A	299	62	40	(288)	60	80	80	80	80	80	
17	Average Accounts Served During Year	9,888	10,187	10,249	10,289	10,001	10,061	10,141	10,221	10,301	10,381	10,461	
18	Equivalent Residential Connections (ERCs)	10,491	10,782	10,864	10,912	10,625	10,717	10,797	10,877	10,957	11,037	11,117	
19	Total Water Sales (000s Gallons)	436,728	457,100	460,113	463,496	432,244	434,638	402,738	405,622	408,506	411,389	414,273	
20	Average Monthly Usage (000s Gallons)	18.8	19.7	18.5	18.9	19.0	19.0	17.5	17.5	17.5	17.5	17.5	
OUTSIDE THE CITY													
Residential Single Family													
21	Annual Account Growth	N/A	15	(1)	6	(14)	(1)	200	0	0	0	0	
22	Average Accounts Served During Year	742	756	755	761	747	746	946	946	946	946	946	
23	Equivalent Residential Connections (ERCs)	755	764	756	763	749	749	949	949	949	949	949	
24	Total Water Sales (000s Gallons)	26,284	28,549	28,334	28,748	27,806	32,594	38,027	38,027	38,027	38,027	38,027	
25	Average Monthly Usage (000s Gallons)	2.9	3.1	3.1	3.1	3.1	3.6	3.3	3.3	3.3	3.3	3.3	
Commercial													
26	Annual Account Growth	N/A	0	(0)	(3)	(1)	1	0	0	0	0	0	
27	Average Accounts Served During Year	8	8	8	5	4	6	6	6	6	6	6	
28	Equivalent Residential Connections (ERCs)	15	17	15	8	5	6	6	6	6	6	6	
29	Total Water Sales (000s Gallons)	1,128	355	496	421	286	359	331	331	331	331	331	
30	Average Monthly Usage (000s Gallons)	6.3	6.3	6.3	4.4	4.5	5.4	4.9	4.9	4.9	4.9	4.9	
Volusia County													
31	Annual Account Growth	N/A	0	0	0	0	0	0	0	0	0	0	
32	Average Accounts Served During Year	1	1	1	1	1	1	1	1	1	1	1	
33	Equivalent Residential Connections (ERCs)	80	80	80	80	80	80	80	80	80	80	80	
34	Total Water Sales (000s Gallons)	99,474	108,978	149,118	150,286	125,542	143,250	131,790	131,790	131,790	131,790	131,790	
35	Average Monthly Usage (000s Gallons)	103.6	113.5	155.3	156.5	130.8	149.2	137.3	137.3	137.3	137.3	137.3	
Total Outside the City													
36	Annual Account Growth	N/A	15	(1)	2	(15)	1	200	0	0	0	0	
37	Average Accounts Served During Year	751	766	764	767	752	753	953	953	953	953	953	
38	Equivalent Residential Connections (ERCs)	850	861	851	851	834	835	1,035	1,035	1,035	1,035	1,035	
39	Total Water Sales (000s Gallons)	126,885	137,882	177,948	179,455	153,634	176,203	170,148	170,148	170,148	170,148	170,148	
40	Average Monthly Usage (000s Gallons)	11.3	12.3	16.5	16.4	13.8	15.8	14.6	14.6	14.6	14.6	14.6	
TOTAL RETAIL WATER SYSTEM													
41	Annual Account Growth	N/A	313	61	42	(303)	61	280	80	80	80	80	
42	Average Accounts Served During Year	10,640	10,953	11,014	11,056	10,753	10,814	11,094	11,174	11,254	11,334	11,414	
43	Equivalent Residential Connections (ERCs)	11,341	11,643	11,714	11,763	11,459	11,552	11,832	11,912	11,992	12,072	12,152	
44	Total Water Sales (000s Gallons)	563,614	594,982	638,061	642,951	585,878	610,842	572,886	575,770	578,653	581,537	584,420	
45	Average Monthly Usage (000s Gallons)	4.1	4.3	4.5	4.6	4.3	4.4	4.0	4.0	4.0	4.0	4.0	

Table 1-4
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Summary of Projected Water Rate Revenues Under Existing Rates

Line No.	Description	Fiscal Year Ended September 30,						Projected Fiscal Year Ending September 30,					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
INSIDE THE CITY													
Residential Single Family													
1	Base Charge Revenue	\$1,050,769	\$1,110,273	\$1,183,425	\$1,256,190	\$1,330,321	\$1,457,858	\$1,601,673	\$1,614,201	\$1,626,729	\$1,639,257	\$1,651,785	\$1,664,313
2	Usage Charge Revenue	1,419,631	1,474,426	1,581,633	1,712,696	1,670,382	1,800,980	1,819,108	1,833,338	1,847,567	1,861,797	1,876,027	1,890,256
3	Total Residential Single Family	\$2,470,400	\$2,584,700	\$2,765,058	\$2,968,886	\$3,000,704	\$3,258,838	\$3,420,781	\$3,447,538	\$3,474,296	\$3,501,054	\$3,527,812	\$3,554,569
Residential Multi Family													
4	Base Charge Revenue	\$50,136	\$55,047	\$58,026	\$61,667	\$64,701	\$70,320	\$70,320	\$70,320	\$70,320	\$70,320	\$70,320	\$70,320
5	Usage Charge Revenue	60,476	64,857	64,312	38,210	42,976	45,153	45,220	45,220	45,220	45,220	45,220	45,220
6	Total Residential Multi Family	\$110,611	\$119,903	\$122,339	\$99,876	\$107,677	\$115,473	\$115,540	\$115,540	\$115,540	\$115,540	\$115,540	\$115,540
Commercial													
7	Base Charge Revenue	\$110,642	\$112,645	\$122,608	\$134,662	\$145,767	\$165,257	\$180,970	\$181,805	\$182,641	\$183,476	\$184,311	\$185,146
8	Usage Charge Revenue	195,824	208,782	223,126	300,750	292,068	374,977	377,955	379,925	381,895	383,865	385,835	387,804
9	Total Commercial	\$306,466	\$321,427	\$345,734	\$435,411	\$437,836	\$540,234	\$558,925	\$561,730	\$564,535	\$567,340	\$570,146	\$572,951
Total Inside the City Water Revenues													
10	Base Charge Revenue	\$1,211,546	\$1,277,965	\$1,364,059	\$1,452,518	\$1,540,789	\$1,693,434	\$1,852,963	\$1,866,326	\$1,879,689	\$1,893,053	\$1,906,416	\$1,919,779
11	Usage Charge Revenue	1,675,931	1,748,065	1,869,072	2,051,655	2,005,427	2,221,110	2,242,283	2,258,483	2,274,682	2,290,882	2,307,081	2,323,281
12	Total Inside the City Water Revenues	\$2,887,477	\$3,026,030	\$3,233,131	\$3,504,173	\$3,546,216	\$3,914,544	\$4,095,246	\$4,124,809	\$4,154,372	\$4,183,935	\$4,213,497	\$4,243,060
OUTSIDE THE CITY													
Residential Single Family													
13	Base Charge Revenue	\$105,878	\$109,789	\$115,105	\$123,076	\$131,630	\$143,539	\$198,265	\$198,265	\$198,265	\$198,265	\$198,265	\$198,265
14	Usage Charge Revenue	126,871	135,561	142,695	169,073	171,404	249,865	317,836	317,836	317,836	317,836	317,836	317,836
15	Total Residential Single Family	\$232,749	\$245,349	\$257,800	\$292,148	\$303,034	\$393,404	\$516,101	\$516,101	\$516,101	\$516,101	\$516,101	\$516,101
Commercial													
16	Base Charge Revenue	\$2,102	\$2,370	\$2,227	\$1,291	\$932	\$1,070	\$1,166	\$1,166	\$1,166	\$1,166	\$1,166	\$1,166
17	Usage Charge Revenue	5,814	1,518	2,233	3,418	2,478	3,370	3,380	3,380	3,380	3,380	3,380	3,380
18	Total Commercial	\$7,916	\$3,888	\$4,460	\$4,709	\$3,410	\$4,440	\$4,547	\$4,547	\$4,547	\$4,547	\$4,547	\$4,547
Volusia County													
19	Base Charge Revenue	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333	\$333
20	Usage Charge Revenue	370,042	410,575	612,875	649,236	569,961	683,303	660,268	660,268	660,268	660,268	660,268	660,268
21	Total Volusia County	\$370,375	\$410,907	\$613,208	\$649,568	\$570,294	\$683,635	\$660,601	\$660,601	\$660,601	\$660,601	\$660,601	\$660,601
Total Outside the City Water Revenues													
22	Base Charge Revenue	\$108,313	\$112,491	\$117,664	\$124,699	\$132,895	\$144,942	\$199,765	\$199,765	\$199,765	\$199,765	\$199,765	\$199,765
23	Usage Charge Revenue	502,727	547,654	757,804	821,726	743,843	936,538	981,484	981,484	981,484	981,484	981,484	981,484
24	Total Outside the City Water Revenues	\$611,040	\$660,145	\$875,468	\$946,425	\$876,738	\$1,081,480	\$1,181,248	\$1,181,248	\$1,181,248	\$1,181,248	\$1,181,248	\$1,181,248
Total Retail Water Revenues													
25	Base Charge Revenue	\$1,319,859	\$1,390,456	\$1,481,723	\$1,577,218	\$1,673,684	\$1,838,376	\$2,052,728	\$2,066,091	\$2,079,454	\$2,092,817	\$2,106,180	\$2,119,544
26	Usage Charge Revenue	2,178,658	2,295,718	2,626,875	2,873,381	2,749,270	3,157,648	3,223,767	3,239,967	3,256,166	3,272,366	3,288,565	3,304,765
27	Revenue Adjustment = -3.00%	(26,239)	(101,370)	(164,344)	(289,289)	(132,689)	(149,881)	(158,295)	(159,182)	(160,069)	(160,955)	(161,842)	(162,729)
28	Total Retail Water Revenues	\$3,472,278	\$3,584,805	\$3,944,255	\$4,161,310	\$4,290,266	\$4,846,143	\$5,118,200	\$5,146,876	\$5,175,552	\$5,204,227	\$5,232,903	\$5,261,579
29	Total Rate Revenues	\$3,472,278	\$3,584,805	\$3,944,255	\$4,161,310	\$4,290,266	\$4,846,143	\$5,118,200	\$5,146,876	\$5,175,552	\$5,204,227	\$5,232,903	\$5,261,579

**Table 1-5
City of Edgewater, Florida
Water and Wastwater Utility Rate Study**

Summary of Projected Wastewater Rate Revenues Under Existing Rates

Line No.	Description	Historical						Projected Fiscal Year Ending September 30,					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
INSIDE THE CITY													
Residential Single Family													
1	Base Charge Revenue	\$1,439,616	\$1,540,790	\$1,642,664	\$1,742,795	\$1,899,220	\$2,076,676	\$2,282,014	\$2,300,194	\$2,318,374	\$2,336,554	\$2,354,734	\$2,372,914
2	Usage Charge Revenue	2,009,398	2,063,901	2,222,641	2,334,575	2,420,078	2,608,849	2,667,138	2,688,386	2,709,635	2,730,884	2,752,133	2,773,382
3	Total Residential Single Family	\$3,449,014	\$3,604,691	\$3,865,305	\$4,077,370	\$4,319,298	\$4,685,525	\$4,949,152	\$4,988,581	\$5,028,010	\$5,067,438	\$5,106,867	\$5,146,296
Residential Multi Family													
4	Base Charge Revenue	\$69,947	\$78,400	\$83,184	\$83,903	\$96,887	\$105,619	\$115,110	\$115,110	\$115,110	\$115,110	\$115,110	\$115,110
5	Usage Charge Revenue	105,209	109,354	105,021	105,844	128,499	134,356	136,263	136,263	136,263	136,263	136,263	136,263
6	Total Residential Multi Family	\$175,155	\$187,754	\$188,205	\$189,747	\$225,386	\$239,974	\$251,373	\$251,373	\$251,373	\$251,373	\$251,373	\$251,373
Commercial													
7	Base Charge Revenue	\$130,217	\$137,108	\$147,840	\$76,797	\$179,289	\$198,008	\$217,048	\$218,260	\$219,472	\$220,684	\$221,896	\$223,108
8	Usage Charge Revenue	177,838	198,881	206,122	238,537	263,984	295,844	301,850	303,656	305,462	307,268	309,074	310,880
9	Total Commercial	\$308,055	\$335,988	\$353,962	\$315,334	\$443,273	\$493,852	\$518,898	\$521,916	\$524,934	\$527,952	\$530,970	\$533,988
Total Inside the City Wastewater Revenues													
10	Base Charge Revenue	\$1,639,780	\$1,756,298	\$1,873,688	\$1,903,494	\$2,175,396	\$2,380,302	\$2,614,172	\$2,633,564	\$2,652,956	\$2,672,348	\$2,691,740	\$2,711,132
11	Usage Charge Revenue	2,292,445	2,372,135	2,533,784	2,678,956	2,812,562	3,039,050	3,105,251	3,128,306	3,151,361	3,174,415	3,197,470	3,220,525
12	Total Inside the City Wastewater Revenues	\$3,932,225	\$4,128,433	\$4,407,472	\$4,582,450	\$4,987,957	\$5,419,352	\$5,719,423	\$5,761,870	\$5,804,317	\$5,846,764	\$5,889,210	\$5,931,657
OUTSIDE THE CITY													
Residential Single Family													
13	Base Charge Revenue	\$60,701	\$63,329	\$67,123	\$70,949	\$76,806	\$83,469	\$90,965	\$90,965	\$90,965	\$90,965	\$90,965	\$90,965
14	Usage Charge Revenue	49,944	57,161	58,703	63,823	67,141	72,726	73,723	73,723	73,723	73,723	73,723	73,723
15	Total Residential Single Family	\$110,645	\$120,490	\$125,826	\$134,772	\$143,947	\$156,195	\$164,688	\$164,688	\$164,688	\$164,688	\$164,688	\$164,688
Commercial													
16	Base Charge Revenue	\$685	\$1,042	\$920	\$221	\$0	\$834	\$909	\$909	\$909	\$909	\$909	\$909
17	Usage Charge Revenue	381	360	225	451	0	505	512	512	512	512	512	512
18	Total Commercial	\$1,065	\$1,402	\$1,145	\$672	\$0	\$1,339	\$1,421	\$1,421	\$1,421	\$1,421	\$1,421	\$1,421
Total Outside the City Water Revenues													
19	Base Charge Revenue	\$61,386	\$64,371	\$68,043	\$71,170	\$76,806	\$84,302	\$91,874	\$91,874	\$91,874	\$91,874	\$91,874	\$91,874
20	Usage Charge Revenue	50,324	57,521	58,928	64,275	67,141	73,232	74,235	74,235	74,235	74,235	74,235	74,235
21	Total Total Outside the City Water Revenues	\$111,710	\$121,892	\$126,971	\$135,444	\$143,947	\$157,534	\$166,108	\$166,108	\$166,108	\$166,108	\$166,108	\$166,108
Total Wastewater Revenues													
22	Base Charge Revenue	1,701,166	1,820,668	1,941,731	1,974,664	2,252,202	2,464,605	2,706,046	2,725,438	2,744,830	2,764,222	2,783,614	2,803,006
23	Usage Charge Revenue	2,342,769	2,429,656	2,592,712	2,743,230	2,879,703	3,112,281	3,179,486	3,202,541	3,225,595	3,248,650	3,271,705	3,294,759
24	Revenue Adjustment - -1.50%	0	(10,626)	0	0	0	(83,653)	(88,283)	(88,920)	(89,556)	(90,193)	(90,830)	(91,466)
25	Total Wastewater Revenues	\$4,043,935	\$4,239,699	\$4,534,443	\$4,717,895	\$5,131,904	\$5,493,233	\$5,797,249	\$5,839,059	\$5,880,869	\$5,922,679	\$5,964,489	\$6,006,299
26	Total Rate Revenues	\$4,043,935	\$4,239,699	\$4,534,443	\$4,717,895	\$5,131,904	\$5,493,233	\$5,797,249	\$5,839,059	\$5,880,869	\$5,922,679	\$5,964,489	\$6,006,299

Table 1-6
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Summary of Historical and Projected Reclaimed Water Rate Revenues

Line No.	Description	Historical					Projected Fiscal Year Ending September 30,					
		2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
INSIDE THE CITY												
<u>Residential Single Family</u>												
1	Base Charge Revenue	\$334,372	\$344,603	\$346,115	\$342,319	\$345,420	\$345,990	\$346,560	\$347,130	\$347,700	\$348,270	\$348,840
2	Usage Charge Revenue	17,269	20,163	24,784	14,237	0	0	0	0	0	0	0
3	Total Residential Single Family	\$351,641	\$364,766	\$370,900	\$356,556	\$345,420	\$345,990	\$346,560	\$347,130	\$347,700	\$348,270	\$348,840
<u>Residential Multi Family</u>												
4	Base Charge Revenue	\$114	\$295	\$228	\$217	\$217	\$217	\$217	\$217	\$217	\$217	\$217
5	Usage Charge Revenue	38	24	2	0	0	0	0	0	0	0	0
6	Total Residential Multi Family	\$152	\$318	\$230	\$217	\$217	\$217	\$217	\$217	\$217	\$217	\$217
<u>Commercial</u>												
7	Base Charge Revenue	\$3,876	\$4,138	\$4,902	\$5,130	\$6,042	\$6,042	\$6,042	\$6,042	\$6,042	\$6,042	\$6,042
8	Additional Acreage Charges	0	0	2,060	3,404	3,404	3,404	3,404	3,404	3,404	3,404	3,404
9	Total Commercial	\$3,876	\$4,138	\$6,962	\$8,534	\$9,446	\$9,446	\$9,446	\$9,446	\$9,446	\$9,446	\$9,446
Total Inside the City Reclaimed Water Revenues												
10	Base Charge Revenue	\$338,362	\$349,036	\$351,245	\$347,666	\$351,679	\$352,249	\$352,819	\$353,389	\$353,959	\$354,529	\$355,099
11	Usage Charge Revenue	17,307	20,187	24,786	14,237	0	0	0	0	0	0	0
12	Additional Acreage Charges	0	0	2,060	3,404	3,404	3,404	3,404	3,404	3,404	3,404	3,404
13	Total Total Inside the City Reclaimed Water Revenues	\$355,669	\$369,223	\$378,092	\$365,307	\$355,083	\$355,653	\$356,223	\$356,793	\$357,363	\$357,933	\$358,503
OUTSIDE THE CITY												
<u>Residential Single Family</u>												
14	Base Charge Revenue	\$0	\$133	\$114	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Usage Charge Revenue	0	0	0	0	0	0	0	0	0	0	0
16	Total Residential Single Family	\$0	\$133	\$114	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Outside the City Water Revenues												
17	Base Charge Revenue	\$0	\$133	\$114	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Usage Charge Revenue	0	0	0	0	0	0	0	0	0	0	0
19	Additional Acreage Charges	0	0	0	0	0	0	0	0	0	0	0
20	Total Total Outside the City Water Revenues	\$0	\$133	\$114	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total Reclaimed Water Revenues												
21	Base Charge Revenue	\$338,362	\$349,169	\$351,359	\$347,666	\$351,679	\$352,249	\$352,819	\$353,389	\$353,959	\$354,529	\$355,099
22	Usage Charge Revenue	17,307	20,187	24,786	14,237	0	0	0	0	0	0	0
23	Additional Acreage Charges	0	0	2,060	3,404	3,404	3,404	3,404	3,404	3,404	3,404	3,404
24	Revenue Adjustment - 0.00%	1,778	(7,387)	(5,642)	0	0	0	0	0	0	0	0
25	Total Total Reclaimed Water Revenues	\$357,447	\$361,969	\$372,564	\$365,307	\$355,083	\$355,653	\$356,223	\$356,793	\$357,363	\$357,933	\$358,503
26	Total Rate Revenues	\$357,447	\$361,969	\$372,564	\$365,307	\$355,083	\$355,653	\$356,223	\$356,793	\$357,363	\$357,933	\$358,503

Table 1-7
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Allocation of Fiscal Year 2020 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget		Adjusted 2020	Allocation Factor	Allocation Percentages		Allocated Amounts	
			2020	Adjustments			Water	Wastewater	Water	Wastewater
	440-4010-539	<u>Administration Department</u>								
1	440-4010-539.12-10	Regular Salaries	\$350,147	\$0	\$350,147	Adm Salary	43.20%	56.80%	\$151,254	\$198,893
2	AddPerAdmin	Additional Personnel	0	0	0	Input	0.00%	0.00%	0	0
3	440-4010-539.14-10	Overtime	7,509	0	7,509	Adm Salary	43.20%	56.80%	3,244	4,265
4	440-4010-539.15-30	Cell Phone	2,400	0	2,400	Adm Salary	43.20%	56.80%	1,037	1,363
5	440-4010-539.15-60	Boot Allowance	125	0	125	Adm Salary	43.20%	56.80%	54	71
6	440-4010-539.21-10	FICA Taxes	16,364	0	16,364	Adm Salary	43.20%	56.80%	7,069	9,295
7	440-4010-539.21-20	Medicare	3,827	0	3,827	Adm Salary	43.20%	56.80%	1,653	2,174
8	440-4010-539.22-10	Retirement Contributions	0	0	0	Adm Salary	43.20%	56.80%	0	0
9	440-4010-539.22-20	DCSE	31,629	0	31,629	Adm Salary	43.20%	56.80%	13,663	17,966
10	440-4010-539.23-10	Life Insurance	1,202	0	1,202	Adm Salary	43.20%	56.80%	519	683
11	440-4010-539.23-20	Group Medical Insurance	64,465	0	64,465	Adm Salary	43.20%	56.80%	27,847	36,618
12	440-4010-539.23-21	HSA Employer Contribution	1,500	0	1,500	Adm Salary	43.20%	56.80%	648	852
13	440-4010-539.23-22	HRA Employer Contribution	1,000	0	1,000	Adm Salary	43.20%	56.80%	432	568
14	440-4010-539.23-30	Dental Insurance	2,294	0	2,294	Adm Salary	43.20%	56.80%	991	1,303
15	440-4010-539.23-40	Long Term Disability	2,162	0	2,162	Adm Salary	43.20%	56.80%	934	1,228
16	440-4010-539.23-60	Broker & Admin. Fees	1,562	0	1,562	Adm Salary	43.20%	56.80%	675	887
17	440-4010-539.23-90	OPEB Expense	0	0	0	Adm Salary	43.20%	56.80%	0	0
18	440-4010-539.24-10	Worker's Compensation	431	0	431	Adm Salary	43.20%	56.80%	186	245
19		Subtotal Personnel Expenses	\$486,617	\$0	\$486,617		43.20%	56.80%	\$210,205	\$276,412
		<u>Operating Expenses</u>								
20	440-4010-539.34-10	Other Contractual Service	\$3,504	\$0	\$3,504	Adm Salary	43.20%	56.80%	\$1,514	\$1,990
21	440-4010-539.40-10	Travel & Per Diem	3,900	0	3,900	Adm Salary	43.20%	56.80%	1,685	2,215
22	440-4010-539.41-10	Telephone / Cellular	435	0	435	Adm Salary	43.20%	56.80%	188	247
23	440-4010-539.41-20	Internet / VOIP / Network	5,400	0	5,400	Adm Salary	43.20%	56.80%	2,333	3,067
24	440-4010-539.41-40	Postage	0	0	0	Adm Salary	43.20%	56.80%	0	0
25	440-4010-539.43-10	Electric	4,223	0	4,223	Adm Salary	43.20%	56.80%	1,824	2,399
26	440-4010-539.46-10	Repair & Maintenance	2,300	0	2,300	Adm Salary	43.20%	56.80%	994	1,306
27	440-4010-539.46-20	Fleet Charges	1,201	0	1,201	Adm Salary	43.20%	56.80%	519	682
28	440-4010-539.47-20	Copier	5,900	0	5,900	Adm Salary	43.20%	56.80%	2,549	3,351
29	440-4010-539.49-01	Cost Allocation [2]	541,781	0	541,781	Adm Salary	43.20%	56.80%	234,034	307,747
30	440-4010-539.49-10	Other Charges/Obligations	200	0	200	Adm Salary	43.20%	56.80%	86	114
31	440-4010-539.49-40	PILOFF Water & Sewer [3]	333,694	(333,694)	0	Adm Salary	43.20%	56.80%	0	0
32	440-4010-539.51-10	Office Supplies	1,500	0	1,500	Adm Salary	43.20%	56.80%	648	852
33	440-4010-539.52-10	Operating Supplies	2,000	0	2,000	Adm Salary	43.20%	56.80%	864	1,136
34	440-4010-539.52-20	Unleaded & Diesel	1,628	0	1,628	Adm Salary	43.20%	56.80%	703	925
35	440-4010-539.52-30	Uniforms	1,025	0	1,025	Adm Salary	43.20%	56.80%	443	582
36	440-4010-539.54-10	Books, Pubs, Subs, & Mem	8,267	0	8,267	Adm Salary	43.20%	56.80%	3,571	4,696
37	440-4010-539.54-20	Educational Development	3,950	0	3,950	Adm Salary	43.20%	56.80%	1,706	2,244
38		Subtotal Operating Expenses	\$920,908	(\$333,694)	\$587,214		43.20%	56.80%	\$253,660	\$333,554
39		Total Administration Department	\$1,407,525	(\$333,694)	\$1,073,831		43.20%	56.80%	\$463,864	\$609,967
	440-4030-533	<u>Water Department</u>								
40	440-4030-533.12-10	Regular Salaries	\$488,675	\$0	\$488,675	Direct-W	100.00%	0.00%	\$488,675	\$0
41	AddPerWater	Additional Personnel	0	0	0	Input	0.00%	0.00%	0	0
42	440-4030-533.12-20	DC ICMA	14,469	0	14,469	Direct-W	100.00%	0.00%	14,469	0
43	440-4030-533.14-10	Overtime / Other Salaries	31,346	0	31,346	Direct-W	100.00%	0.00%	31,346	0
44	440-4030-533.15-30	Cell Phone	900	0	900	Direct-W	100.00%	0.00%	900	0
45	440-4030-533.15-60	Boot Allowance	1,250	0	1,250	Direct-W	100.00%	0.00%	1,250	0
46	440-4030-533.21-10	FICA Taxes	27,160	0	27,160	Direct-W	100.00%	0.00%	27,160	0
47	440-4030-533.21-20	Medicare	6,352	0	6,352	Direct-W	100.00%	0.00%	6,352	0
48	440-4030-533.22-10	Retirement Contributions	0	0	0	Direct-W	100.00%	0.00%	0	0
49	440-4030-533.22-20	DCSE	40,842	0	40,842	Direct-W	100.00%	0.00%	40,842	0
50	440-4030-533.23-10	Life Insurance	2,102	0	2,102	Direct-W	100.00%	0.00%	2,102	0
51	440-4030-533.23-20	Group Medical Insurance	129,604	0	129,604	Direct-W	100.00%	0.00%	129,604	0
52	440-4030-533.23-21	HSA Employer Contribution	8,400	0	8,400	Direct-W	100.00%	0.00%	8,400	0
53	440-4030-533.23-22	HRA Employer Contribution	750	0	750	Direct-W	100.00%	0.00%	750	0
54	440-4030-533.23-30	Dental Insurance	3,078	0	3,078	Direct-W	100.00%	0.00%	3,078	0
55	440-4030-533.23-40	Long Term Disability	3,794	0	3,794	Direct-W	100.00%	0.00%	3,794	0
56	440-4030-533.23-60	Broker & Admin. Fees	3,163	0	3,163	Direct-W	100.00%	0.00%	3,163	0
57	440-4030-533.23-90	OPEB Expense	0	4,759	4,759	Direct-W	100.00%	0.00%	4,759	0
58	440-4030-533.24-10	Worker's Compensation	15,120	0	15,120	Direct-W	100.00%	0.00%	15,120	0
59		Subtotal Personnel Expenses	\$777,005	\$4,759	\$781,764		100.00%	0.00%	\$781,764	\$0
		<u>Operating Expenses</u>								
60	440-4030-533.31-10	Professional Services	\$56,950	\$0	\$56,950	Direct-W	100.00%	0.00%	\$56,950	\$0
61	440-4030-533.34-10	Other Contractual Service	117,865	0	117,865	Direct-W	100.00%	0.00%	117,865	0
62	440-4030-533.40-10	Travel & Per Diem	800	0	800	Direct-W	100.00%	0.00%	800	0
63	440-4030-533.41-10	Telephone	220	0	220	Direct-W	100.00%	0.00%	220	0
64	440-4030-533.41-11	Cell Phone	0	0	0	Direct-W	100.00%	0.00%	0	0
65	440-4030-533.41-15	Cellular	35	0	35	Direct-W	100.00%	0.00%	35	0
66	440-4030-533.41-20	Internet / VOIP / Network	2,100	0	2,100	Direct-W	100.00%	0.00%	2,100	0
67	440-4030-533.41-30	Legal Ads	0	0	0	Direct-W	100.00%	0.00%	0	0

Table 1-7
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Allocation of Fiscal Year 2020 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget		Adjusted 2020	Allocation Factor	Allocation Percentages		Allocated Amounts	
			2020	Adjustments			Water	Wastewater	Water	Wastewater
68	440-4030-533.41-40	Postage	14,475	0	14,475	Direct-W	100.00%	0.00%	14,475	0
69	440-4030-533.43-10	Electric	157,796	0	157,796	Direct-W	100.00%	0.00%	157,796	0
70	440-4030-533.44-10	Rent	1,310	0	1,310	Direct-W	100.00%	0.00%	1,310	0
71	440-4030-533.46-10	Repair & Maintenance	71,357	0	71,357	Direct-W	100.00%	0.00%	71,357	0
72	440-4030-533.46-20	Fleet Charges	2,401	0	2,401	Direct-W	100.00%	0.00%	2,401	0
73	440-4030-533.47-10	Printing & Binding	1,833	0	1,833	Direct-W	100.00%	0.00%	1,833	0
74	440-4030-533.47-20	Copier	1,400	0	1,400	Direct-W	100.00%	0.00%	1,400	0
75	440-4030-533.48-10	Promotional Activities	5,175	0	5,175	Direct-W	100.00%	0.00%	5,175	0
76	440-4030-533.49-01	Cost Allocation [2]	155,175	0	155,175	Direct-W	100.00%	0.00%	155,175	0
77	440-4030-533.49-10	Other Charges/Obligations	21,600	0	21,600	Direct-W	100.00%	0.00%	21,600	0
78	440-4030-533.49-40	PILOFF Water & Sewer [3]	117,208	(117,208)	0	Direct-W	100.00%	0.00%	0	0
79	440-4030-533.51-10	Office Supplies	650	0	650	Direct-W	100.00%	0.00%	650	0
80	440-4030-533.52-10	Operating Supplies	28,050	0	28,050	Direct-W	100.00%	0.00%	28,050	0
81	440-4030-533.52-20	Unleaded & Diesel	4,774	0	4,774	Direct-W	100.00%	0.00%	4,774	0
82	440-4030-533.52-25	Bulk Fuel	7,000	0	7,000	Direct-W	100.00%	0.00%	7,000	0
83	440-4030-533.52-30	Uniforms	2,075	0	2,075	Direct-W	100.00%	0.00%	2,075	0
84	440-4030-533.52-50	Chemical	436,282	0	436,282	Direct-W	100.00%	0.00%	436,282	0
85	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	0	1,120	Direct-W	100.00%	0.00%	1,120	0
86	440-4030-533.54-20	Educational Development	1,075	0	1,075	Direct-W	100.00%	0.00%	1,075	0
87		Subtotal Operating Expenses	\$1,208,726	(\$117,208)	\$1,091,518		100.00%	0.00%	\$1,091,518	\$0
88		Total Water Department	\$1,985,731	(\$112,449)	\$1,873,282		100.00%	0.00%	\$1,873,282	\$0
	440-4040-535	<u>Wastewater Department</u>								
89	440-4040-535.12-10	Regular Salaries	\$635,856	\$0	\$635,856	Direct-S	0.00%	100.00%	\$0	\$635,856
90	AddPerWastewater	Additional Personnel	0	0	0	Input	0.00%	0.00%	0	0
91	440-4040-535.13-10	Other Salaries	0	0	0	Direct-S	0.00%	100.00%	0	0
92	440-4040-535.14-10	Overtime	61,568	0	61,568	Direct-S	0.00%	100.00%	0	61,568
93	440-4040-535.15-30	Cell Phone	1,692	0	1,692	Direct-S	0.00%	100.00%	0	1,692
94	440-4040-535.15-40	Insurance Payback	4,800	0	4,800	Direct-S	0.00%	100.00%	0	4,800
95	440-4040-535.15-60	Boot Allowance	1,500	0	1,500	Direct-S	0.00%	100.00%	0	1,500
96	440-4040-535.21-10	FICA Taxes	36,008	0	36,008	Direct-S	0.00%	100.00%	0	36,008
97	440-4040-535.21-20	Medicare	8,421	0	8,421	Direct-S	0.00%	100.00%	0	8,421
98	440-4040-535.22-10	Retirement Contributions	0	0	0	Direct-S	0.00%	100.00%	0	0
99	440-4040-535.22-20	DCSE	71,082	0	71,082	Direct-S	0.00%	100.00%	0	71,082
100	440-4040-535.23-10	Life Insurance	2,701	0	2,701	Direct-S	0.00%	100.00%	0	2,701
101	440-4040-535.23-20	Group Medical Insurance	131,391	0	131,391	Direct-S	0.00%	100.00%	0	131,391
102	440-4040-535.23-21	HSA Employer Contribution	1,300	0	1,300	Direct-S	0.00%	100.00%	0	1,300
103	440-4040-535.23-22	HRA Employer Contribution	2,000	0	2,000	Direct-S	0.00%	100.00%	0	2,000
104	440-4040-535.23-30	Dental Insurance	3,780	0	3,780	Direct-S	0.00%	100.00%	0	3,780
105	440-4040-535.23-40	Long Term Disability	4,880	0	4,880	Direct-S	0.00%	100.00%	0	4,880
106	440-4040-535.23-60	Broker & Admin. Fees	3,597	0	3,597	Direct-S	0.00%	100.00%	0	3,597
107	440-4040-535.23-90	OPEB	0	5,646	5,646	Direct-S	0.00%	100.00%	0	5,646
108	440-4040-535.24-10	Worker's Compensation	15,351	0	15,351	Direct-S	0.00%	100.00%	0	15,351
109		Subtotal Personnel Expenses	\$985,927	\$5,646	\$991,573		0.00%	100.00%	\$0	\$991,573
		<u>Operating Expenses</u>								
110	440-4040-535.31-10	Professional Services	\$45,000	\$0	\$45,000	Direct-S	0.00%	100.00%	\$0	\$45,000
111	440-4040-535.34-10	Other Contractual Service	243,101	0	243,101	Direct-S	0.00%	100.00%	0	243,101
112	440-4040-535.40-10	Travel & Per Diem	2,950	0	2,950	Direct-S	0.00%	100.00%	0	2,950
113	440-4040-535.41-10	Telephone	0	0	0	Direct-S	0.00%	100.00%	0	0
114	440-4040-535.41-15	Cellular	5	0	5	Direct-S	0.00%	100.00%	0	5
115	440-4040-535.41-20	Internet / VOIP / Network	2,750	0	2,750	Direct-S	0.00%	100.00%	0	2,750
116	440-4040-535.41-30	Legal Ads	0	0	0	Direct-S	0.00%	100.00%	0	0
117	440-4040-535.41-40	Postage	14,475	0	14,475	Direct-S	0.00%	100.00%	0	14,475
118	440-4040-535.43-10	Electric	187,460	0	187,460	Direct-S	0.00%	100.00%	0	187,460
119	440-4040-535.43-30	Water / Sewer / Trash	12,798	0	12,798	Direct-S	0.00%	100.00%	0	12,798
120	440-4040-535.44-10	Rent	6,000	0	6,000	Direct-S	0.00%	100.00%	0	6,000
121	440-4040-535.46-10	Repair & Maintenance	192,243	0	192,243	Direct-S	0.00%	100.00%	0	192,243
122	440-4040-535.46-20	Fleet Charges	4,102	0	4,102	Direct-S	0.00%	100.00%	0	4,102
123	440-4040-535.47-10	Printing & Binding	5,333	0	5,333	Direct-S	0.00%	100.00%	0	5,333
124	440-4040-535.47-20	Copier	1,400	0	1,400	Direct-S	0.00%	100.00%	0	1,400
125	440-4040-535.48-10	Promotional Activities	1,550	0	1,550	Direct-S	0.00%	100.00%	0	1,550
126	440-4040-535.49-01	Cost Allocation [2]	146,552	0	146,552	Direct-S	0.00%	100.00%	0	146,552
127	440-4040-535.49-10	Other Charges/Obligations	6,400	0	6,400	Direct-S	0.00%	100.00%	0	6,400
128	440-4040-535.49-40	PILOFF Water & Sewer [3]	121,555	(121,555)	0	Direct-S	0.00%	100.00%	0	0
129	440-4040-535.51-10	Office Supplies	1,000	0	1,000	Direct-S	0.00%	100.00%	0	1,000
130	440-4040-535.52-10	Operating Supplies	48,060	0	48,060	Direct-S	0.00%	100.00%	0	48,060
131	440-4040-535.52-20	Unleaded & Diesel	2,553	0	2,553	Direct-S	0.00%	100.00%	0	2,553
132	440-4040-535.52-25	Bulk Fuel	3,500	0	3,500	Direct-S	0.00%	100.00%	0	3,500
133	440-4040-535.52-30	Uniforms	2,825	0	2,825	Direct-S	0.00%	100.00%	0	2,825
134	440-4040-535.52-50	Chemical	166,162	0	166,162	Direct-S	0.00%	100.00%	0	166,162
135	440-4040-535.54-10	Books, Pubs, Subs, & Mem	300	0	300	Direct-S	0.00%	100.00%	0	300
136	440-4040-535.54-20	Educational Development	4,400	0	4,400	Direct-S	0.00%	100.00%	0	4,400
137		Subtotal Operating Expenses	\$1,222,474	(\$121,555)	\$1,100,919		0.00%	100.00%	\$0	\$1,100,919

Table 1-7
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Allocation of Fiscal Year 2020 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget	Adjusted	Allocation Factor	Allocation Percentages		Allocated Amounts		
			2020	2020		Water	Wastewater	Water	Wastewater	
138		Total Wastewater Department	\$2,208,401	(\$115,910)	\$2,092,492	0.00%	100.00%	\$0	\$2,092,492	
	440-4050-539	<u>Wastewater Collections</u>								
139	440-4050-539.12-10	Regular Salaries	\$188,864	\$0	\$188,864	Direct-S	0.00%	100.00%	\$0	\$188,864
140		AddPerCollections	0	0	0	Input	0.00%	0.00%	0	0
141	440-4050-539.14-10	Overtime	16,078	0	16,078	Direct-S	0.00%	100.00%	0	16,078
142	440-4050-539.15-30	Cell Phone	423	0	423	Direct-S	0.00%	100.00%	0	423
143	440-4050-539.15-60	Boot Allowance	500	0	500	Direct-S	0.00%	100.00%	0	500
144	440-4050-539.21-10	FICA Taxes	11,285	0	11,285	Direct-S	0.00%	100.00%	0	11,285
145	440-4050-539.21-20	Medicare	2,640	0	2,640	Direct-S	0.00%	100.00%	0	2,640
146	440-4050-539.22-10	Retirement Contributions	0	0	0	Direct-S	0.00%	100.00%	0	0
147	440-4050-539.22-20	DCSE	22,164	0	22,164	Direct-S	0.00%	100.00%	0	22,164
148	440-4050-539.23-10	Life Insurance	842	0	842	Direct-S	0.00%	100.00%	0	842
149	440-4050-539.23-20	Group Medical Insurance	60,140	0	60,140	Direct-S	0.00%	100.00%	0	60,140
150	440-4050-539.23-21	HRA Employer Contribution	3,150	0	3,150	Direct-S	0.00%	100.00%	0	3,150
151	440-4050-539.23-22	HRA Employer Contribution	250	0	250	Direct-S	0.00%	100.00%	0	250
152	440-4050-539.23-30	Dental Insurance	1,486	0	1,486	Direct-S	0.00%	100.00%	0	1,486
153	440-4050-539.23-40	Long Term Disability	1,526	0	1,526	Direct-S	0.00%	100.00%	0	1,526
154	440-4050-539.23-60	Broker & Admin. Fees	653	0	653	Direct-S	0.00%	100.00%	0	653
155	440-4050-539.23-90	OPEB Expense	0	1,632	1,632	Direct-S	0.00%	100.00%	0	1,632
156	440-4050-539.24-10	Worker's Compensation	4,205	0	4,205	Direct-S	0.00%	100.00%	0	4,205
157		Subtotal Personnel Expenses	\$314,206	\$1,632	\$315,838		0.00%	100.00%	\$0	\$315,838
		<u>Operating Expenses</u>								
158	440-4050-539.34-10	Other Contractual Service	\$213	\$0	\$213	Direct-S	0.00%	100.00%	\$0	\$213
159	440-4050-539.40-10	Travel & Per Diem	1,400	0	1,400	Direct-S	0.00%	100.00%	0	1,400
160	440-4050-539.41-10	Telephone	220	0	220	Direct-S	0.00%	100.00%	0	220
161	440-4050-539.41-15	Cellular	440	0	440	Direct-S	0.00%	100.00%	0	440
162	440-4050-539.41-20	Internet / Postage / VOIP / Network	2,050	0	2,050	Direct-S	0.00%	100.00%	0	2,050
163	440-4050-539.43-10	Electric	66,950	0	66,950	Direct-S	0.00%	100.00%	0	66,950
164	440-4050-539.43-30	Water / Sewer / Trash	671	0	671	Direct-S	0.00%	100.00%	0	671
165	440-4050-539.44-10	Rent	1,000	0	1,000	Direct-S	0.00%	100.00%	0	1,000
166	440-4050-539.46-10	Repair & Maintenance	80,000	0	80,000	Direct-S	0.00%	100.00%	0	80,000
167	440-4050-539.46-20	Fleet Charges	20,291	0	20,291	Direct-S	0.00%	100.00%	0	20,291
168	440-4050-539.47-10	Printing & Binding	0	0	0	Direct-S	0.00%	100.00%	0	0
169	440-4050-539.47-20	Copier	2,200	0	2,200	Direct-S	0.00%	100.00%	0	2,200
170	440-4050-539.49-01	Cost Allocation [2]	52,791	0	52,791	Direct-S	0.00%	100.00%	0	52,791
171	440-4050-539.49-10	Other Charges/Obligations	2,150	0	2,150	Direct-S	0.00%	100.00%	0	2,150
172	440-4050-539.49-40	PILOFF Water & Sewer [3]	32,653	(32,653)	0	Direct-S	0.00%	100.00%	0	0
173	440-4050-539.51-10	Office Supplies	500	0	500	Direct-S	0.00%	100.00%	0	500
174	440-4050-539.52-10	Operating Supplies	14,500	0	14,500	Direct-S	0.00%	100.00%	0	14,500
175	440-4050-539.52-20	Unleaded & Diesel	17,719	0	17,719	Direct-S	0.00%	100.00%	0	17,719
176	440-4050-539.52-30	Uniforms	1,080	0	1,080	Direct-S	0.00%	100.00%	0	1,080
177	440-4050-539.52-50	Chemical	25,000	(15,000)	10,000	Direct-S	0.00%	100.00%	0	10,000
178	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	0	0	Direct-S	0.00%	100.00%	0	0
179	440-4050-539.54-20	Educational Development	650	0	650	Direct-S	0.00%	100.00%	0	650
180		Subtotal Operating Expenses	\$322,478	(\$47,653)	\$274,825		0.00%	100.00%	\$0	\$274,825
181		Total Wastewater Collections	\$636,684	(\$46,022)	\$590,663		0.00%	100.00%	\$0	\$590,663
	440-4080-539	<u>Field Operations</u>								
182	440-4080-539.12-10	Regular Salaries	\$489,570	\$0	\$489,570	Lines	59.27%	40.73%	\$290,155	\$199,415
183		AddPerFieldOps	0	0	0	Input	0.00%	0.00%	0	0
184	440-4080-539.12-20	DC ICMA	14,202	0	14,202	Lines	59.27%	40.73%	8,417	5,785
185	440-4080-539.14-10	Overtime	33,571	0	33,571	Lines	59.27%	40.73%	19,897	13,674
186	440-4080-539.15-30	Cell Phone	900	0	900	Lines	59.27%	40.73%	533	367
187	440-4080-539.15-60	Boot Allowance	1,500	0	1,500	Lines	59.27%	40.73%	889	611
188	440-4080-539.21-10	FICA Taxes	26,663	0	26,663	Lines	59.27%	40.73%	15,802	10,861
189	440-4080-539.21-20	Medicare	6,236	0	6,236	Lines	59.27%	40.73%	3,696	2,540
190	440-4080-539.22-20	DCSE	40,884	0	40,884	Lines	59.27%	40.73%	24,231	16,653
191	440-4080-539.23-10	Life Insurance	1,920	0	1,920	Lines	59.27%	40.73%	1,138	782
192	440-4080-539.23-20	Group Medical Insurance	146,764	0	146,764	Lines	59.27%	40.73%	86,983	59,781
193	440-4080-539.23-21	HSA Employer Contribution	4,650	0	4,650	Lines	59.27%	40.73%	2,756	1,894
194	440-4080-539.23-22	HRA Employer Contribution	1,750	0	1,750	Lines	59.27%	40.73%	1,037	713
195	440-4080-539.23-30	Dental Insurance	3,226	0	3,226	Lines	59.27%	40.73%	1,912	1,314
196	440-4080-539.23-40	Long Term Disability	3,803	0	3,803	Lines	59.27%	40.73%	2,254	1,549
197	440-4080-539.23-60	Broker & Admin. Fees	4,023	0	4,023	Lines	59.27%	40.73%	2,384	1,639
198	440-4080-539.23-90	OPEB Expense	0	4,421	4,421	Lines	59.27%	40.73%	2,620	1,801
199	440-4080-539.24-10	Worker's Compensation	15,070	0	15,070	Lines	59.27%	40.73%	8,932	6,138
200		Subtotal Personnel Costs	\$794,732	\$4,421	\$799,153		59.27%	40.73%	\$473,636	\$325,517
		<u>Operating Expenses</u>								
201	440-4080-539.34-10	Other Contractual Service	\$131,205	\$0	\$131,205	Lines	59.27%	40.73%	\$77,762	\$53,443
202	440-4080-539.40-10	Travel & Per Diem	3,963	0	3,963	Lines	59.27%	40.73%	2,349	1,614
203	440-4080-539.41-10	Telephone	0	0	0	Lines	59.27%	40.73%	0	0

Table 1-7
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Allocation of Fiscal Year 2020 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget		Adjusted 2020	Allocation Factor	Allocation Percentages		Allocated Amounts	
			2020	Adjustments			Water	Wastewater	Water	Wastewater
204	440-4080-539.41-15	Cellular	880	0	880	Lines	59.27%	40.73%	522	358
205	440-4080-539.41-20	Internet / VOIP / Network	829	0	829	Lines	59.27%	40.73%	491	338
206	440-4080-539.41-40	Postage	0	0	0	Lines	59.27%	40.73%	0	0
207	440-4080-539.44-10	Rent	1,000	0	1,000	Lines	59.27%	40.73%	593	407
208	440-4080-539.46-10	Repair & Maintenance	585,500	17,190	602,690	Accounts	51.64%	48.36%	311,213	291,477
209	440-4080-539.46-20	Fleet Charges	34,808	0	34,808	Lines	59.27%	40.73%	20,630	14,178
210	440-4080-539.49-01	Cost Allocation [2]	125,918	0	125,918	Lines	59.27%	40.73%	74,628	51,290
211	440-4080-539.49-10	Other Charges/Obligations	4,750	0	4,750	Lines	59.27%	40.73%	2,815	1,935
212	440-4080-539.49-40	PILOFF Water & Sewer [3]	89,695	(89,695)	0	Lines	59.27%	40.73%	0	0
213	440-4080-539.51-10	Office Supplies	400	0	400	Lines	59.27%	40.73%	237	163
214	440-4080-539.52-10	Operating Supplies	52,900	0	52,900	Lines	59.27%	40.73%	31,352	21,548
215	440-4080-539.52-20	Unleaded & Diesel	33,382	0	33,382	Lines	59.27%	40.73%	19,785	13,597
216	440-4080-539.52-30	Uniforms	2,350	0	2,350	Lines	59.27%	40.73%	1,393	957
217	440-4080-539.54-10	Books, Pubs, Subs, & Mem	30	0	30	Lines	59.27%	40.73%	18	12
218	440-4080-539.54-20	Educational Development	3,060	0	3,060	Lines	59.27%	40.73%	1,814	1,246
219		Subtotal Operating Expenses	\$1,070,670	(\$72,505)	\$998,165		54.66%	45.34%	\$545,600	\$452,565
220		Total Field Operations	\$1,865,402	(\$68,084)	\$1,797,318		56.71%	43.29%	\$1,019,235	\$778,082
	440-5555-580, 581, 589	Non-Departmental [4]								
221	440-5555-580.22-10	Retirement Contributions	\$326,978	\$0	\$326,978	Equal	50.00%	50.00%	\$163,489	\$163,489
222	440-5555-580.23-80	PTO Expense	0	0	0	Eliminate	0.00%	0.00%	0	0
223	440-5555-580.31-10	Professional Services	23,426	0	23,426	Revenues	45.31%	54.69%	10,615	12,811
224	440-5555-580.32-10	Accounting & Auditing	0	0	0	Revenues	45.31%	54.69%	0	0
225	440-5555-580.34-10	Other Contractual Service	0	0	0	Equal	50.00%	50.00%	0	0
226	440-5555-580.45-10	General Liability	16,975	0	16,975	Assets	42.00%	58.00%	7,129	9,846
227	440-5555-580.45-15	Property	112,899	0	112,899	Assets	42.00%	58.00%	47,418	65,481
228	440-5555-580.45-20	Public Officials	13,679	0	13,679	Revenues	45.31%	54.69%	6,198	7,481
229	440-5555-580.45-25	Automobile	17,140	0	17,140	Assets	42.00%	58.00%	7,199	9,941
230	440-5555-580.45-35	Environmental Liability	3,436	0	3,436	Equal	50.00%	50.00%	1,718	1,718
231	440-5555-580.46-10	Repair & Maintenance	15,000	0	15,000	Equal	50.00%	50.00%	7,500	7,500
232	440-5555-580.49-10	Other Charges/Obligations	8,000	0	8,000	Equal	50.00%	50.00%	4,000	4,000
233	440-5555-580.49-20	Bank Charges	0	0	0	Eliminate	0.00%	0.00%	0	0
234	440-5555-580.49-50	Write Off	0	0	0	Eliminate	0.00%	0.00%	0	0
235	440-5555-580.49-60	Hurricane Charges	0	0	0	Equal	50.00%	50.00%	0	0
236	440-5555-580.52-10	Operating Supplies	0	0	0	Eliminate	0.00%	0.00%	0	0
237	440-5555-580.59-10	Depreciation	0	0	0	Eliminate	0.00%	0.00%	0	0
238	440-5555-580.62-10	Buildings	0	0	0	Assets	42.00%	58.00%	0	0
239	440-5555-580.63-10	Improvements O/T Building	0	0	0	Assets	42.00%	58.00%	0	0
240	440-5555-580.64-10	Machinery & Equipment	183,000	(183,000)	0	Assets	42.00%	58.00%	0	0
241	440-5555-580.64-20	Motor Vehicles	65,000	(65,000)	0	Assets	42.00%	58.00%	0	0
242	440-5555-580.71-15	JCI Meters	513,000	(513,000)	0	Direct-W	100.00%	0.00%	0	0
243	440-5555-580.71-24	Refunding Bond Series 09	0	0	0	Assets	42.00%	58.00%	0	0
244	440-5555-580.71-26	BBT SRF Refinance 2012	0	0	0	Assets	42.00%	58.00%	0	0
245	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	33,000	(33,000)	0	Direct-S	0.00%	100.00%	0	0
246	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	293,526	(293,526)	0	Direct-S	0.00%	100.00%	0	0
247	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	896,000	(896,000)	0	Direct-S	0.00%	100.00%	0	0
248	440-5555-580.72-13	BOA Obligation #265	0	0	0	Eliminate	0.00%	0.00%	0	0
249	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	4,873	(4,873)	0	Equal	50.00%	50.00%	0	0
250	440-5555-580.71-42	SRF 640530 Recl X Design	16,375	(16,375)	0	Equal	50.00%	50.00%	0	0
251	440-5555-580.72-15	JCI Meters	9,154	(9,154)	0	Direct-W	100.00%	0.00%	0	0
252	440-5555-580.72-20	State Revolving Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
253	440-5555-580.72-24	Refunding Bond Series 09	0	0	0	Assets	42.00%	58.00%	0	0
254	440-5555-580.72-26	BBT SRF Refinance 2012	0	0	0	Assets	42.00%	58.00%	0	0
255	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	3,766	(3,766)	0	Direct-S	0.00%	100.00%	0	0
256	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	90,443	(90,443)	0	Direct-S	0.00%	100.00%	0	0
257	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	204,678	(204,678)	0	Direct-S	0.00%	100.00%	0	0
258	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	303	(303)	0	Equal	50.00%	50.00%	0	0
259	440-5555-580.72-42	SRF 640530 Recl X Design	996	(996)	0	Direct-S	0.00%	100.00%	0	0
260	440-5555-580.73-11	2013 SunTrust JCI	0	0	0	Eliminate	0.00%	0.00%	0	0
261	440-5555-580.73-21	Bond Issuance Cost - SRF	0	0	0	Eliminate	0.00%	0.00%	0	0
262	440-5555-580.73-41	BBT SRF Refinance 2012	0	0	0	Eliminate	0.00%	0.00%	0	0
263	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	0	0	Eliminate	0.00%	0.00%	0	0
264	440-5555-581.03-31	Capital Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
265	440-5555-581.04-44	Renewal And Replacement	1,409,544	(1,409,544)	0	Eliminate	0.00%	0.00%	0	0
266	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	0	0	Revenues	45.31%	54.69%	0	0
267	440-5555-581.04-50	Public Works Complex	700,000	(700,000)	0	Assets	42.00%	58.00%	0	0
268	440-5555-581.05-01	MIS	0	0	0	Assets	42.00%	58.00%	0	0
269	440-5555-589.50-50	Stabilization / Charter Reserve Estimated Savings	368,561	(368,561)	0	Eliminate	0.00%	0.00%	0	0
270	440-5555-581.10-01	General Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
271	440-5555-589.10-01	Current Year Unreserved	0	0	0	Revenues	45.31%	54.69%	0	0
272		Total Non-Departmental	\$5,329,752	(\$4,792,219)	\$537,533		47.49%	52.51%	\$255,266	\$282,267
		Other Adjustments								
273	Contingency	Contingency - 0.00% of O&M [5]	\$0	\$0	\$0	Calculation	50.00%	50.00%	\$0	\$0
274	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	0	28,182	28,182	Calculation	45.39%	54.61%	12,792	15,391

Table 1-7
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Allocation of Fiscal Year 2020 Operating Budget [1]

Line No.	Cost Center Code	Description	Budget 2020	Adjustments	Adjusted 2020	Allocation Factor	Allocation Percentages		Allocated Amounts	
							Water	Wastewater	Water	Wastewater
275	Other	Other Adjustments	0	0	0	Adm Salary	43.20%	56.80%	0	0
276		Total Other Adjustments	\$0	\$28,182	\$28,182		45.39%	54.61%	\$12,792	\$15,391
277		Grand Total Operating Budget	<u>\$13,433,495</u>	<u>(\$5,440,195)</u>	<u>\$7,993,300</u>		<u>45.34%</u>	<u>54.66%</u>	<u>\$3,624,440</u>	<u>\$4,368,861</u>

Footnotes:

- [1] Budgeted amounts shown are based on the Fiscal Year 2020 Adopted Operating Budget as provided by the City.
- [2] Budgeted amounts for the "Cost Allocation" line are to reimburse the General Fund for services that benefit the Utility.
- [3] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. These items have been adjusted from the budget and are accounted for in the summary of Revenue Requirements later in the rate model.
- [4] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [5] A contingency of 0.00% of O&M was added to allow for unforeseen contingencies.
- [6] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.

Table 1-8
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Allocation References

Line No.	Description	Allocation Basis	Allocation Percentages		Total
			Water	Wastewater	
1	Equal Water and Wastewater	Equal	50.00%	50.00%	100.00%
2	Direct Water	Direct-W	100.00%	0.00%	100.00%
3	Direct Wastewater	Direct-S	0.00%	100.00%	100.00%
4	Eliminate	Eliminate	0.00%	0.00%	0.00%
5	Customer Accounts	Accounts	51.64%	48.36%	100.00%
6	Sales Revenues	Revenues	45.31%	54.69%	100.00%
7	Treated Flows	Flows	57.78%	42.22%	100.00%
8	Miles of Line	Lines	59.27%	40.73%	100.00%
9	Operating Expenses	Op Exp	45.34%	54.66%	100.00%
10	Administration Operations Salaries	Adm Salary	43.20%	56.80%	100.00%
11	System Fixed Assets	Assets	42.00%	58.00%	100.00%

Table 1-9
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Water System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
440-4010-539		<u>Administration Department</u>							
1	440-4010-539.12-10	Regular Salaries	\$151,254	Labor	\$157,304	\$162,023	\$166,883	\$171,890	\$177,047
2	AddPerAdmin	Additional Personnel	0	Input	42,333	43,603	44,911	46,259	47,646
3	440-4010-539.14-10	Overtime	3,244	Labor	3,373	3,475	3,579	3,686	3,797
4	440-4010-539.15-30	Cell Phone	1,037	Inflation	1,063	1,090	1,118	1,144	1,171
5	440-4010-539.15-60	Boot Allowance	54	Inflation	55	57	58	60	61
6	440-4010-539.21-10	FICA Taxes	7,069	Labor	7,352	7,572	7,799	8,033	8,274
7	440-4010-539.21-20	Medicare	1,653	Labor	1,719	1,771	1,824	1,879	1,935
8	440-4010-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
9	440-4010-539.22-20	DCSE	13,663	Labor	14,209	14,636	15,075	15,527	15,993
10	440-4010-539.23-10	Life Insurance	519	General-Ins	545	572	601	631	663
11	440-4010-539.23-20	Group Medical Insurance	27,847	Health-Ins	30,632	33,695	37,064	40,771	44,848
12	440-4010-539.23-21	HSA Employer Contribution	648	Labor	674	694	715	736	758
13	440-4010-539.23-22	HRA Employer Contribution	432	Labor	449	463	477	491	506
14	440-4010-539.23-30	Dental Insurance	991	Health-Ins	1,090	1,199	1,319	1,451	1,596
15	440-4010-539.23-40	Long Term Disability	934	Health-Ins	1,027	1,130	1,243	1,367	1,504
16	440-4010-539.23-60	Broker & Admin. Fees	675	Health-Ins	742	816	898	988	1,087
17	440-4010-539.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
18	440-4010-539.24-10	Worker's Compensation	186	Labor	194	199	205	212	218
19		Subtotal Personnel Expenses	\$210,205		\$262,762	\$272,995	\$283,770	\$295,125	\$307,103
		<u>Operating Expenses</u>							
20	440-4010-539.34-10	Other Contractual Service	\$1,514	Contractual	\$1,574	\$1,637	\$1,703	\$1,771	\$1,842
21	440-4010-539.40-10	Travel & Per Diem	1,685	Inflation	1,727	1,772	1,816	1,860	1,902
22	440-4010-539.41-10	Telephone	188	Inflation	193	198	203	207	212
23	440-4010-539.41-20	Internet	2,333	Inflation	2,391	2,453	2,514	2,575	2,634
24	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
25	440-4010-539.43-10	Electric	1,824	Electricity	1,915	2,011	2,112	2,217	2,328
26	440-4010-539.46-10	Repair & Maintenance	994	Repair	1,023	1,054	1,086	1,118	1,152
27	440-4010-539.46-20	Fleet Charges	519	Repair	534	550	567	584	601
28	440-4010-539.47-20	Copier	2,549	Inflation	2,612	2,680	2,747	2,813	2,878
29	440-4010-539.49-01	Cost Allocation [2]	234,034	Labor	243,395	250,697	258,218	265,965	273,944
30	440-4010-539.49-10	Other Charges/Obligations	86	Inflation	89	91	93	95	98
31	440-4010-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
32	440-4010-539.51-10	Office Supplies	648	Inflation	664	681	698	715	732
33	440-4010-539.52-10	Operating Supplies	864	Inflation	886	909	931	954	976
34	440-4010-539.52-20	Unleaded & Diesel	703	Fuel	738	775	814	855	898
35	440-4010-539.52-30	Uniforms	443	Inflation	454	466	477	489	500
36	440-4010-539.54-10	Books, Pubs, Subs, & Mem	3,571	Inflation	3,660	3,756	3,849	3,942	4,032
37	440-4010-539.54-20	Educational Development	1,706	Inflation	1,749	1,794	1,839	1,883	1,927
38		Subtotal Operating Expenses	\$253,660		\$263,605	\$271,524	\$279,668	\$288,043	\$296,655
39		Total Administration Department	\$463,864		\$526,367	\$544,520	\$563,438	\$583,168	\$603,758
440-4030-533		<u>Water Department</u>							
40	440-4030-533.12-10	Regular Salaries	\$488,675	Labor	\$508,222	\$523,469	\$539,173	\$555,348	\$572,008
41	AddPerWater	Additional Personnel	0	Input	0	0	0	0	0
42	440-4030-533.12-20	DC ICMA	14,469	Labor	15,048	15,499	15,964	16,443	16,936
43	440-4030-533.14-10	Overtime	31,346	Labor	32,600	33,578	34,585	35,623	36,691
44	440-4030-533.15-30	Cell Phone	900	Inflation	923	946	970	993	1,016
45	440-4030-533.15-60	Boot Allowance	1,250	Inflation	1,281	1,315	1,347	1,380	1,411
46	440-4030-533.21-10	FICA Taxes	27,160	Labor	28,246	29,094	29,967	30,866	31,792
47	440-4030-533.21-20	Medicare	6,352	Labor	6,606	6,804	7,008	7,219	7,435
48	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
49	440-4030-533.22-20	DCSE	40,842	Labor	42,476	43,750	45,062	46,414	47,807
50	440-4030-533.23-10	Life Insurance	2,102	General-Ins	2,207	2,317	2,433	2,555	2,683
51	440-4030-533.23-20	Group Medical Insurance	129,604	Health-Ins	142,564	156,821	172,503	189,753	208,729
52	440-4030-533.23-21	HSA Employer Contribution	8,400	Labor	8,736	8,998	9,268	9,546	9,832
53	440-4030-533.23-22	HRA Employer Contribution	750	Labor	780	803	828	852	878
54	440-4030-533.23-30	Dental Insurance	3,078	Health-Ins	3,386	3,724	4,097	4,506	4,957
55	440-4030-533.23-40	Long Term Disability	3,794	Health-Ins	4,173	4,591	5,050	5,555	6,110
56	440-4030-533.23-60	Broker & Admin. Fees	3,163	Health-Ins	3,479	3,827	4,210	4,631	5,094
57	440-4030-533.23-90	OPEB Expense	4,759	Marginal	4,807	4,855	4,904	4,953	5,002
58	440-4030-533.24-10	Worker's Compensation	15,120	Labor	15,725	16,197	16,682	17,183	17,698
59		Subtotal Personnel Expenses	\$781,764		\$821,259	\$856,588	\$894,051	\$933,820	\$976,081
		<u>Operating Expenses</u>							
60	440-4030-533.31-10	Professional Services	\$56,950	Contractual	\$59,228	\$61,597	\$64,061	\$66,623	\$69,288
61	440-4030-533.34-10	Other Contractual Service	117,865	Contractual	122,580	127,483	132,582	137,885	143,401

**Table 1-9
City of Edgewater, Florida
Water and Wastewater Utility Rate Study**

Projection of Water System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
62	440-4030-533.40-10	Travel & Per Diem	800	Inflation	820	841	862	883	903
63	440-4030-533.41-10	Telephone	220	Inflation	226	231	237	243	248
64	440-4030-533.41-11	Cell Phone	0	Inflation	0	0	0	0	0
65	440-4030-533.41-15	Cellular	35	Inflation	36	37	38	39	40
66	440-4030-533.41-20	Internet	2,100	Inflation	2,153	2,208	2,264	2,318	2,371
67	440-4030-533.41-30	Legal Ads	0	Inflation	0	0	0	0	0
68	440-4030-533.41-40	Postage	14,475	Inflation	14,837	15,223	15,603	15,978	16,345
69	440-4030-533.43-10	Electric	157,796	W-Elec	166,520	175,721	185,427	195,664	206,461
70	440-4030-533.44-10	Rent	1,310	Inflation	1,343	1,378	1,412	1,446	1,479
71	440-4030-533.46-10	Repair & Maintenance	71,357	Repair	73,498	75,703	77,974	80,313	82,722
72	440-4030-533.46-20	Fleet Charges	2,401	Repair	2,473	2,547	2,624	2,702	2,783
73	440-4030-533.47-10	Printing & Binding	1,833	Inflation	1,879	1,928	1,976	2,023	2,070
74	440-4030-533.47-20	Copier	1,400	Inflation	1,435	1,472	1,509	1,545	1,581
75	440-4030-533.48-10	Promotional Activities	5,175	Inflation	5,304	5,442	5,578	5,712	5,844
76	440-4030-533.49-01	Cost Allocation [2]	155,175	Labor	161,382	166,223	171,210	176,346	181,637
77	440-4030-533.49-10	Other Charges/Obligations	21,600	Inflation	22,140	22,716	23,284	23,842	24,391
78	440-4030-533.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
79	440-4030-533.51-10	Office Supplies	650	Inflation	666	684	701	717	734
80	440-4030-533.52-10	Operating Supplies	28,050	Inflation	28,751	29,499	30,236	30,962	31,674
81	440-4030-533.52-20	Unleaded & Diesel	4,774	Fuel	5,013	5,263	5,527	5,803	6,093
82	440-4030-533.52-25	Bulk Fuel	7,000	Fuel	7,350	7,718	8,103	8,509	8,934
83	440-4030-533.52-30	Uniforms	2,075	Inflation	2,127	2,182	2,237	2,290	2,343
84	440-4030-533.52-50	Chemical	436,282	W-Chem	438,478	462,708	488,264	515,219	543,650
85	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	Inflation	1,148	1,178	1,207	1,236	1,265
86	440-4030-533.54-20	Educational Development	1,075	Inflation	1,102	1,131	1,159	1,187	1,214
87		Subtotal Operating Expenses	<u>\$1,091,518</u>		<u>\$1,120,487</u>	<u>\$1,171,112</u>	<u>\$1,224,074</u>	<u>\$1,279,487</u>	<u>\$1,337,471</u>
88		Total Water Department	<u>\$1,873,282</u>		<u>\$1,941,746</u>	<u>\$2,027,701</u>	<u>\$2,118,126</u>	<u>\$2,213,307</u>	<u>\$2,313,552</u>
440-4040-535		<u>Wastewater Department</u>							
89	440-4040-535.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
90	440-4040-535.12-20	AddPerWastewater	0	Input	0	0	0	0	0
91	440-4040-535.13-10	Other Salaries	0	Labor	0	0	0	0	0
92	440-4040-535.14-10	Overtime	0	Labor	0	0	0	0	0
93	440-4040-535.15-30	Cell Phone	0	Inflation	0	0	0	0	0
94	440-4040-535.15-40	Insurance Payback	0	Health-Ins	0	0	0	0	0
95	440-4040-535.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
96	440-4040-535.21-10	FICA Taxes	0	Labor	0	0	0	0	0
97	440-4040-535.21-20	Medicare	0	Labor	0	0	0	0	0
98	440-4040-535.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
99	440-4040-535.22-20	DCSE	0	Inflation	0	0	0	0	0
100	440-4040-535.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
101	440-4040-535.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
102	440-4040-535.23-21	HSA Employer Contribution	0	Labor	0	0	0	0	0
103	440-4040-535.23-22	HRA Employer Contribution	0	Labor	0	0	0	0	0
104	440-4040-535.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
105	440-4040-535.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
106	440-4040-535.23-60	Broker & Admin. Fees	0	Health-Ins	0	0	0	0	0
107	440-4040-535.23-90	OPEB	0	Marginal	0	0	0	0	0
108	440-4040-535.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
109		Subtotal Personnel Expenses	<u>\$0</u>		<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>
		<u>Operating Expenses</u>							
110	440-4040-535.31-10	Professional Services	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
111	440-4040-535.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0
112	440-4040-535.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
113	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
114	440-4040-535.41-15	Cellular	0	Inflation	0	0	0	0	0
115	440-4040-535.41-20	Internet	0	Inflation	0	0	0	0	0
116	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
117	440-4040-535.41-40	Postage	0	Inflation	0	0	0	0	0
118	440-4040-535.43-10	Electric	0	WW-Elec	0	0	0	0	0
119	440-4040-535.43-30	Water / Sewer / Trash	0	Inflation	0	0	0	0	0
120	440-4040-535.44-10	Rent	0	Inflation	0	0	0	0	0
121	440-4040-535.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
122	440-4040-535.46-20	Fleet Charges	0	Repair	0	0	0	0	0
123	440-4040-535.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
124	440-4040-535.47-20	Copier	0	Inflation	0	0	0	0	0
125	440-4040-535.48-10	Promotional Activities	0	Inflation	0	0	0	0	0
126	440-4040-535.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
127	440-4040-535.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0

Table 1-9
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Water System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
128	440-4040-535.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
129	440-4040-535.51-10	Office Supplies	0	Inflation	0	0	0	0	0
130	440-4040-535.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
131	440-4040-535.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
132	440-4040-535.52-25	Bulk Fuel	0	Fuel	0	0	0	0	0
133	440-4040-535.52-30	Uniforms	0	Inflation	0	0	0	0	0
134	440-4040-535.52-50	Chemical	0	WW-Chem	0	0	0	0	0
135	440-4040-535.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
136	440-4040-535.54-20	Educational Development	0	Inflation	0	0	0	0	0
137		Subtotal Operating Expenses	\$0		\$0	\$0	\$0	\$0	\$0
138		Total Wastewater Department	\$0		\$0	\$0	\$0	\$0	\$0
440-4050-539		<u>Wastewater Collections</u>							
139	440-4050-539.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
140	AddPerCollections	Additional Personnel	0	Input	0	0	0	0	0
141	440-4050-539.14-10	Overtime	0	Labor	0	0	0	0	0
142	440-4050-539.15-30	Cell Phone	0	Inflation	0	0	0	0	0
143	440-4050-539.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
144	440-4050-539.21-10	FICA Taxes	0	Labor	0	0	0	0	0
145	440-4050-539.21-20	Medicare	0	Labor	0	0	0	0	0
146	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
147	440-4050-539.22-20	DCSE	0	Labor	0	0	0	0	0
148	440-4050-539.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
149	440-4050-539.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
150	440-4050-539.23-21	HRA Employer Contribution	0	Labor	0	0	0	0	0
151	440-4050-539.23-22	HRA Employer Contribution	0	Labor	0	0	0	0	0
152	440-4050-539.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
153	440-4050-539.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
154	440-4050-539.23-60	Broker & Admin. Fees	0	Health-Ins	0	0	0	0	0
155	440-4050-539.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
156	440-4050-539.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
157		Subtotal Personnel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
		<u>Operating Expenses</u>							
158	440-4050-539.34-10	Other Contractual Service	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
159	440-4050-539.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
160	440-4050-539.41-10	Telephone	0	Inflation	0	0	0	0	0
161	440-4050-539.41-15	Cellular	0	Inflation	0	0	0	0	0
162	440-4050-539.41-20	Internet	0	Inflation	0	0	0	0	0
163	440-4050-539.43-10	Electric	0	WW-Elec	0	0	0	0	0
164	440-4050-539.43-30	Water / Sewer / Trash	0	Inflation	0	0	0	0	0
165	440-4050-539.44-10	Rent	0	Inflation	0	0	0	0	0
166	440-4050-539.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
167	440-4050-539.46-20	Fleet Charges	0	Repair	0	0	0	0	0
168	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
169	440-4050-539.47-20	Copier	0	Inflation	0	0	0	0	0
170	440-4050-539.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
171	440-4050-539.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
172	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
173	440-4050-539.51-10	Office Supplies	0	Inflation	0	0	0	0	0
174	440-4050-539.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
175	440-4050-539.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
176	440-4050-539.52-30	Uniforms	0	Inflation	0	0	0	0	0
177	440-4050-539.52-50	Chemical	0	WW-Chem	0	0	0	0	0
178	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
179	440-4050-539.54-20	Educational Development	0	Inflation	0	0	0	0	0
180		Subtotal Operating Expenses	\$0		\$0	\$0	\$0	\$0	\$0
181		Total Wastewater Collections	\$0		\$0	\$0	\$0	\$0	\$0
440-4080-539		<u>Field Operations</u>							
182	440-4080-539.12-10	Regular Salaries	\$290,155	Labor	\$301,761	\$310,814	\$320,138	\$329,742	\$339,634
183	AddPerFieldOps	Additional Personnel	0	Input	8,401	20,991	21,620	22,269	22,937
184	440-4080-539.12-20	DC ICMA	8,417	Labor	8,754	9,016	9,287	9,566	9,853
185	440-4080-539.14-10	Overtime	19,897	Labor	20,692	21,313	21,953	22,611	23,290
186	440-4080-539.15-30	Cell Phone	533	Inflation	547	561	575	589	602
187	440-4080-539.15-60	Boot Allowance	889	Inflation	911	935	958	981	1,004
188	440-4080-539.21-10	FICA Taxes	15,802	Labor	16,435	16,928	17,435	17,958	18,497

Table 1-9
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Water System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
189	440-4080-539.21-20	Medicare	3,696	Labor	3,844	3,959	4,078	4,200	4,326
190	440-4080-539.22-20	DCSE	24,231	Labor	25,200	25,956	26,735	27,537	28,363
191	440-4080-539.23-10	Life Insurance	1,138	General-Ins	1,195	1,255	1,317	1,383	1,452
192	440-4080-539.23-20	Group Medical Insurance	86,983	Health-Ins	95,681	105,249	115,774	127,352	140,087
193	440-4080-539.23-21	HSA Employer Contribution	2,756	Labor	2,866	2,952	3,041	3,132	3,226
194	440-4080-539.23-22	HRA Employer Contribution	1,037	Labor	1,079	1,111	1,144	1,179	1,214
195	440-4080-539.23-30	Dental Insurance	1,912	Health-Ins	2,103	2,313	2,545	2,799	3,079
196	440-4080-539.23-40	Long Term Disability	2,254	Health-Ins	2,479	2,727	3,000	3,300	3,630
197	440-4080-539.23-60	Broker & Admin. Fees	2,384	Health-Ins	2,623	2,885	3,174	3,491	3,840
198	440-4080-539.23-90	OPEB Expense	2,620	Marginal	2,646	2,673	2,699	2,726	2,754
199	440-4080-539.24-10	Worker's Compensation	8,932	Labor	9,289	9,568	9,855	10,150	10,455
200		Subtotal Personnel Costs	\$473,636		\$506,506	\$541,206	\$565,328	\$590,966	\$618,243
		Operating Expenses							
201	440-4080-539.34-10	Other Contractual Service	\$77,762	Contractual	\$80,872	\$84,107	\$87,471	\$90,970	\$94,609
202	440-4080-539.40-10	Travel & Per Diem	2,349	Inflation	2,407	2,470	2,532	2,593	2,652
203	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
204	440-4080-539.41-15	Cellular	522	Inflation	535	548	562	576	589
205	440-4080-539.41-20	Internet	491	Inflation	504	517	530	542	555
206	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
207	440-4080-539.44-10	Rent	593	Inflation	607	623	639	654	669
208	440-4080-539.46-10	Repair & Maintenance	311,213	Calculated	291,828	292,755	293,710	294,693	94,828
209	440-4080-539.46-20	Fleet Charges	20,630	Repair	21,249	21,886	22,543	23,219	23,916
210	440-4080-539.49-01	Cost Allocation [2]	74,628	Labor	77,613	79,942	82,340	84,810	87,354
211	440-4080-539.49-10	Other Charges/Obligations	2,815	Inflation	2,886	2,961	3,035	3,107	3,179
212	440-4080-539.49-40	PI/OFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
213	440-4080-539.51-10	Office Supplies	237	Inflation	243	249	256	262	268
214	440-4080-539.52-10	Operating Supplies	31,352	Inflation	32,136	32,972	33,796	34,607	35,403
215	440-4080-539.52-20	Unleaded & Diesel	19,785	Fuel	20,774	21,813	22,903	24,048	25,251
216	440-4080-539.52-30	Uniforms	1,393	Inflation	1,428	1,465	1,501	1,537	1,573
217	440-4080-539.54-10	Books, Pubs, Subs, & Mem	18	Inflation	18	19	19	20	20
218	440-4080-539.54-20	Educational Development	1,814	Inflation	1,859	1,907	1,955	2,002	2,048
219		Subtotal Operating Expenses	\$545,600		\$534,959	\$544,233	\$553,791	\$563,640	\$372,913
220		Total Field Operations	\$1,019,235		\$1,041,465	\$1,085,439	\$1,119,119	\$1,154,606	\$991,156
	440-5555-580, 581, 589	Non-Departmental [4]							
221	440-5555-580.22-10	Retirement Contributions	\$163,489	Labor	\$170,029	\$175,129	\$180,383	\$185,795	\$191,369
222	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
223	440-5555-580.31-10	Professional Services	10,615	Contractual	11,039	11,481	11,940	12,418	12,914
224	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
225	440-5555-580.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0
226	440-5555-580.45-10	General Liability	7,129	General-Ins	7,486	7,860	8,253	8,666	9,099
227	440-5555-580.45-15	Property	47,418	General-Ins	49,788	52,278	54,892	57,636	60,518
228	440-5555-580.45-20	Public Officials	6,198	Labor	6,446	6,640	6,839	7,044	7,255
229	440-5555-580.45-25	Automobile	7,199	General-Ins	7,559	7,937	8,334	8,750	9,188
230	440-5555-580.45-35	Environmental Liability	1,718	Inflation	1,761	1,807	1,852	1,896	1,940
231	440-5555-580.46-10	Repair & Maintenance	7,500	Repair	7,725	7,957	8,195	8,441	8,695
232	440-5555-580.49-10	Other Charges/Obligations	4,000	Inflation	4,100	4,207	4,312	4,415	4,517
233	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
234	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
235	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
236	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
237	440-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
238	440-5555-580.62-10	Buildings	0	Eliminate	0	0	0	0	0
239	440-5555-580.63-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
240	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
241	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
242	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
243	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
244	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
245	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
246	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
247	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
248	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
249	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
250	440-5555-580.71-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
251	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
252	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
253	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
254	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0

Table 1-9
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Water System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
255	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
256	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
257	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
258	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
259	440-5555-580.72-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
260	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
261	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
262	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
263	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
264	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
265	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
266	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
267	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
268	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
269	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
270	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
271	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
272		Total Non-Departmental	\$255,266		\$265,933	\$275,295	\$285,000	\$295,062	\$305,495
		<u>Other Adjustments</u>							
273	Contingency	Contingency - 0.00% of O&M [5]	\$0	Input	\$0	\$0	\$0	\$0	\$0
274	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	12,792	Input	13,618	14,515	15,216	15,778	16,339
275	Other	Other Adjustments	0	W-Op	0	0	0	0	0
276		Total Other Adjustments	\$12,792		\$13,618	\$14,515	\$15,216	\$15,778	\$16,339
277		Grand Total Operating Budget	\$3,624,440		\$3,789,129	\$3,947,470	\$4,100,899	\$4,261,920	\$4,230,299

Footnotes:

- [1] Fiscal Year 2020 amounts shown based on Table 1-7.
- [2] Budgeted amounts for the "Cost Allocation" line are to reimburse the General Fund for services that benefit the Utility.
- [3] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. These items have been adjusted from the budget and are accounted for in the summary of Revenue Requirements later in the rate model.
- [4] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [5] A contingency of 0.00% of O&M was added to allow for unforeseen contingencies.
- [6] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.

Table 1-10
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
440-4010-539		<u>Administration Department</u>							
1	440-4010-539.12-10	Regular Salaries	\$198,893	Labor	\$206,849	\$213,055	\$219,446	\$226,030	\$232,811
2	AddPerAdmin	Additional Personnel	0	Input	55,667	57,337	59,057	60,829	62,653
2	440-4010-539.14-10	Overtime	4,265	Labor	4,436	4,569	4,706	4,847	4,993
3	440-4010-539.15-30	Cell Phone	1,363	Inflation	1,397	1,434	1,470	1,505	1,539
4	440-4010-539.15-60	Boot Allowance	71	Inflation	73	75	77	78	80
5	440-4010-539.21-10	FICA Taxes	9,295	Labor	9,667	9,957	10,256	10,563	10,880
6	440-4010-539.21-20	Medicare	2,174	Labor	2,261	2,329	2,398	2,470	2,545
7	440-4010-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
8	440-4010-539.22-20	DCSE	17,966	Labor	18,685	19,245	19,823	20,417	21,030
9	440-4010-539.23-10	Life Insurance	683	General-Ins	717	753	790	830	871
10	440-4010-539.23-20	Group Medical Insurance	36,618	Health-Ins	40,280	44,308	48,738	53,612	58,974
11	440-4010-539.23-21	HSA Employer Contribution	852	Labor	886	913	940	968	997
12	440-4010-539.23-22	HRA Employer Contribution	568	Labor	591	608	627	646	665
13	440-4010-539.23-30	Dental Insurance	1,303	Health-Ins	1,433	1,577	1,734	1,908	2,099
14	440-4010-539.23-40	Long Term Disability	1,228	Health-Ins	1,351	1,486	1,635	1,798	1,978
15	440-4010-539.23-60	Broker & Admin. Fees	887	Health-Ins	976	1,074	1,181	1,299	1,429
16	440-4010-539.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
17	440-4010-539.24-10	Worker's Compensation	245	Labor	255	262	270	278	287
18		Subtotal Personnel Expenses	\$276,412		\$345,523	\$358,980	\$373,148	\$388,079	\$403,830
		<u>Operating Expenses</u>							
19	440-4010-539.34-10	Other Contractual Service	1,990	Contractual	\$2,070	2,153	2,239	2,328	2,422
20	440-4010-539.40-10	Travel & Per Diem	2,215	Inflation	2,271	2,330	2,388	2,445	2,502
21	440-4010-539.41-10	Telephone	247	Inflation	253	260	266	273	279
22	440-4010-539.41-20	Internet	3,067	Inflation	3,144	3,226	3,306	3,386	3,464
23	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
24	440-4010-539.43-10	Electric	2,399	Electricity	2,519	2,645	2,777	2,916	3,062
25	440-4010-539.46-10	Repair & Maintenance	1,306	Repair	1,346	1,386	1,428	1,470	1,515
26	440-4010-539.46-20	Fleet Charges	682	Repair	703	724	745	768	791
27	440-4010-539.47-20	Copier	3,351	Inflation	3,435	3,524	3,613	3,699	3,784
28	440-4010-539.49-01	Cost Allocation [2]	307,747	Labor	320,057	329,659	339,548	349,735	360,227
29	440-4010-539.49-10	Other Charges/Obligations	114	Inflation	116	119	122	125	128
30	440-4010-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
31	440-4010-539.51-10	Office Supplies	852	Inflation	873	896	918	940	962
32	440-4010-539.52-10	Operating Supplies	1,136	Inflation	1,164	1,195	1,225	1,254	1,283
33	440-4010-539.52-20	Unleaded & Diesel	925	Fuel	971	1,020	1,071	1,124	1,180
34	440-4010-539.52-30	Uniforms	582	Inflation	597	612	628	643	657
35	440-4010-539.54-10	Books, Pubs, Subs, & Mem	4,696	Inflation	4,813	4,938	5,062	5,183	5,303
36	440-4010-539.54-20	Educational Development	2,244	Inflation	2,300	2,360	2,419	2,477	2,534
37		Subtotal Operating Expenses	\$333,554		\$346,632	\$357,046	\$367,755	\$378,767	\$390,091
38		Total Administration Department	\$609,967		\$692,155	\$716,026	\$740,903	\$766,846	\$793,921
440-4030-533		<u>Water Department</u>							
39	440-4030-533.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
40	AddPerWater	Additional Personnel	0	Input	0	0	0	0	0
41	440-4030-533.12-20	DC ICMA	0	Labor	0	0	0	0	0
42	440-4030-533.14-10	Overtime	0	Labor	0	0	0	0	0
43	440-4030-533.15-30	Cell Phone	0	Inflation	0	0	0	0	0
44	440-4030-533.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
45	440-4030-533.21-10	FICA Taxes	0	Labor	0	0	0	0	0
46	440-4030-533.21-20	Medicare	0	Labor	0	0	0	0	0
47	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
48	440-4030-533.22-20	DCSE	0	Labor	0	0	0	0	0
49	440-4030-533.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
50	440-4030-533.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
51	440-4030-533.23-21	HSA Employer Contribution	0	Labor	0	0	0	0	0
52	440-4030-533.23-22	HRA Employer Contribution	0	Labor	0	0	0	0	0
53	440-4030-533.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
54	440-4030-533.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
55	440-4030-533.23-60	Broker & Admin. Fees	0	Health-Ins	0	0	0	0	0
56	440-4030-533.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
57	440-4030-533.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
58		Subtotal Personnel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
		<u>Operating Expenses</u>							
59	440-4030-533.31-10	Professional Services	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
60	440-4030-533.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0

Table 1-10
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
61	440-4030-533.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
62	440-4030-533.41-10	Telephone	0	Inflation	0	0	0	0	0
63	440-4030-533.41-11	Cell Phone	0	Inflation	0	0	0	0	0
64	440-4030-533.41-15	Cellular	0	Inflation	0	0	0	0	0
65	440-4030-533.41-20	Internet	0	Inflation	0	0	0	0	0
66	440-4030-533.41-30	Legal Ads	0	Inflation	0	0	0	0	0
67	440-4030-533.41-40	Postage	0	Inflation	0	0	0	0	0
68	440-4030-533.43-10	Electric	0	W-Elec	0	0	0	0	0
69	440-4030-533.44-10	Rent	0	Inflation	0	0	0	0	0
70	440-4030-533.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
71	440-4030-533.46-20	Fleet Charges	0	Repair	0	0	0	0	0
72	440-4030-533.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
73	440-4030-533.47-20	Copier	0	Inflation	0	0	0	0	0
74	440-4030-533.48-10	Promotional Activities	0	Inflation	0	0	0	0	0
75	440-4030-533.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
76	440-4030-533.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
77	440-4030-533.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
78	440-4030-533.51-10	Office Supplies	0	Inflation	0	0	0	0	0
79	440-4030-533.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
80	440-4030-533.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
81	440-4030-533.52-25	Bulk Fuel	0	Fuel	0	0	0	0	0
82	440-4030-533.52-30	Uniforms	0	Inflation	0	0	0	0	0
83	440-4030-533.52-50	Chemical	0	W-Chem	0	0	0	0	0
84	440-4030-533.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
85	440-4030-533.54-20	Educational Development	0	Inflation	0	0	0	0	0
86		Subtotal Operating Expenses	\$0		\$0	\$0	\$0	\$0	\$0
87		Total Water Department	\$0		\$0	\$0	\$0	\$0	\$0
	440-4040-535	<u>Wastewater Department</u>							
88	440-4040-535.12-10	Regular Salaries	\$635,856	Labor	\$661,290	\$681,129	\$701,563	\$722,610	\$744,288
89	AddPerWastewater	Additional Personnel	0	Input	0	0	0	0	0
90	440-4040-535.13-10	Other Salaries	0	Labor	0	0	0	0	0
91	440-4040-535.14-10	Overtime	61,568	Labor	64,031	65,952	67,930	69,968	72,067
92	440-4040-535.15-30	Cell Phone	1,692	Inflation	1,734	1,779	1,824	1,868	1,911
93	440-4040-535.15-40	Insurance Payback	4,800	Health-Ins	5,280	5,808	6,389	7,028	7,730
94	440-4040-535.15-60	Boot Allowance	1,500	Inflation	1,538	1,577	1,617	1,656	1,694
95	440-4040-535.21-10	FICA Taxes	36,008	Labor	37,448	38,572	39,729	40,921	42,148
96	440-4040-535.21-20	Medicare	8,421	Labor	8,758	9,021	9,291	9,570	9,857
97	440-4040-535.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
98	440-4040-535.22-20	DCSE	71,082	Inflation	72,859	74,753	76,622	78,461	80,266
99	440-4040-535.23-10	Life Insurance	2,701	General-Ins	2,836	2,978	3,127	3,283	3,447
100	440-4040-535.23-20	Group Medical Insurance	131,391	Health-Ins	144,530	158,983	174,881	192,370	211,607
101	440-4040-535.23-21	HSA Employer Contribution	1,300	Labor	1,352	1,393	1,434	1,477	1,522
102	440-4040-535.23-22	HRA Employer Contribution	2,000	Labor	2,080	2,142	2,207	2,273	2,341
103	440-4040-535.23-30	Dental Insurance	3,780	Health-Ins	4,158	4,574	5,031	5,534	6,088
104	440-4040-535.23-40	Long Term Disability	4,880	Health-Ins	5,368	5,905	6,495	7,145	7,859
105	440-4040-535.23-60	Broker & Admin. Fees	3,597	Health-Ins	3,957	4,352	4,788	5,266	5,793
106	440-4040-535.23-90	OPEB	5,646	Marginal	5,702	5,759	5,817	5,875	5,933
107	440-4040-535.24-10	Worker's Compensation	15,351	Labor	15,965	16,444	16,937	17,445	17,969
108		Subtotal Personnel Expenses	\$991,573		\$1,038,886	\$1,081,121	\$1,125,682	\$1,172,749	\$1,222,520
		<u>Operating Expenses</u>							
109	440-4040-535.31-10	Professional Services	45,000	Contractual	\$46,800	48,672	50,619	52,644	54,749
110	440-4040-535.34-10	Other Contractual Service	243,101	Contractual	252,825	262,938	273,456	284,394	295,770
111	440-4040-535.40-10	Travel & Per Diem	2,950	Inflation	3,024	3,102	3,180	3,256	3,331
112	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
113	440-4040-535.41-15	Cellular	5	Inflation	5	5	5	6	6
114	440-4040-535.41-20	Internet	2,750	Inflation	2,819	2,892	2,964	3,035	3,105
115	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
116	440-4040-535.41-40	Postage	14,475	Inflation	14,837	15,223	15,603	15,978	16,345
117	440-4040-535.43-10	Electric	187,460	WW-Elec	198,299	209,753	221,857	234,647	248,161
118	440-4040-535.43-30	Water / Sewer / Trash	12,798	Inflation	13,118	13,459	13,795	14,127	14,451
119	440-4040-535.44-10	Rent	6,000	Inflation	6,150	6,310	6,468	6,623	6,775
120	440-4040-535.46-10	Repair & Maintenance	192,243	Repair	148,010	152,451	157,024	161,735	166,587
121	440-4040-535.46-20	Fleet Charges	4,102	Repair	4,225	4,352	4,482	4,617	4,755
122	440-4040-535.47-10	Printing & Binding	5,333	Inflation	5,466	5,608	5,749	5,887	6,022
123	440-4040-535.47-20	Copier	1,400	Inflation	1,435	1,472	1,509	1,545	1,581
124	440-4040-535.48-10	Promotional Activities	1,550	Inflation	1,589	1,630	1,671	1,711	1,750
125	440-4040-535.49-01	Cost Allocation [2]	146,552	Labor	152,414	156,987	161,696	166,547	171,543
126	440-4040-535.49-10	Other Charges/Obligations	6,400	Inflation	6,560	6,731	6,899	7,064	7,227

Table 1-10
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
127	440-4040-535.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
128	440-4040-535.51-10	Office Supplies	1,000	Inflation	1,025	1,052	1,078	1,104	1,129
129	440-4040-535.52-10	Operating Supplies	48,060	Inflation	49,262	50,542	51,806	53,049	54,269
130	440-4040-535.52-20	Unleaded & Diesel	2,553	Fuel	2,681	2,815	2,955	3,103	3,258
131	440-4040-535.52-25	Bulk Fuel	3,500	Fuel	3,675	3,859	4,052	4,254	4,467
132	440-4040-535.52-30	Uniforms	2,825	Inflation	2,896	2,971	3,045	3,118	3,190
133	440-4040-535.52-50	Chemical	166,162	WW-Chem	167,400	177,069	187,287	198,084	209,492
134	440-4040-535.54-10	Books, Pubs, Subs, & Mem	300	Inflation	308	315	323	331	339
135	440-4040-535.54-20	Educational Development	4,400	Inflation	4,510	4,627	4,743	4,857	4,968
136		Subtotal Operating Expenses	\$1,100,919		\$1,089,331	\$1,134,835	\$1,182,267	\$1,231,715	\$1,283,273
137		Total Wastewater Department	\$2,092,492		\$2,128,217	\$2,215,956	\$2,307,949	\$2,404,464	\$2,505,793
	440-4050-539	<u>Wastewater Collections</u>							
138	440-4050-539.12-10	Regular Salaries	\$188,864	Labor	\$196,419	\$202,311	\$208,380	\$214,632	\$221,071
139	AddPerCollections	Additional Personnel	0	Input	0	0	0	0	0
140	440-4050-539.14-10	Overtime	16,078	Labor	16,721	17,223	17,739	18,272	18,820
141	440-4050-539.15-30	Cell Phone	423	Inflation	434	445	456	467	478
142	440-4050-539.15-60	Boot Allowance	500	Inflation	513	526	539	552	565
143	440-4050-539.21-10	FICA Taxes	11,285	Labor	11,736	12,088	12,451	12,825	13,209
144	440-4050-539.21-20	Medicare	2,640	Labor	2,746	2,828	2,913	3,000	3,090
145	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
146	440-4050-539.22-20	DCSE	22,164	Labor	23,051	23,742	24,454	25,188	25,944
147	440-4050-539.23-10	Life Insurance	842	General-Ins	884	928	975	1,023	1,075
148	440-4050-539.23-20	Group Medical Insurance	60,140	Health-Ins	66,154	72,769	80,046	88,051	96,856
149	440-4050-539.23-21	HRA Employer Contribution	3,150	Labor	3,276	3,374	3,476	3,580	3,687
150	440-4050-539.23-22	HRA Employer Contribution	250	Labor	260	268	276	284	293
151	440-4050-539.23-30	Dental Insurance	1,486	Health-Ins	1,635	1,798	1,978	2,176	2,393
152	440-4050-539.23-40	Long Term Disability	1,526	Health-Ins	1,679	1,846	2,031	2,234	2,458
153	440-4050-539.23-60	Broker & Admin. Fees	653	Health-Ins	718	790	869	956	1,052
154	440-4050-539.23-90	OPEB Expense	1,632	Marginal	1,648	1,664	1,681	1,698	1,715
155	440-4050-539.24-10	Worker's Compensation	4,205	Labor	4,373	4,504	4,640	4,779	4,922
156		Subtotal Personnel Expenses	\$315,838		\$332,245	\$347,106	\$362,904	\$379,716	\$397,626
		<u>Operating Expenses</u>							
157	440-4050-539.34-10	Other Contractual Service	213	Contractual	\$222	230	240	249	259
158	440-4050-539.40-10	Travel & Per Diem	1,400	Inflation	1,435	1,472	1,509	1,545	1,581
159	440-4050-539.41-10	Telephone	220	Inflation	226	231	237	243	248
160	440-4050-539.41-15	Cellular	440	Inflation	451	463	474	486	497
161	440-4050-539.41-20	Internet	2,050	Inflation	2,101	2,156	2,210	2,263	2,315
162	440-4050-539.43-10	Electric	66,950	WW-Elec	70,821	74,912	79,235	83,802	88,629
163	440-4050-539.43-30	Water / Sewer / Trash	671	Inflation	688	706	723	741	758
164	440-4050-539.44-10	Rent	1,000	Inflation	1,025	1,052	1,078	1,104	1,129
165	440-4050-539.46-10	Repair & Maintenance	80,000	Repair	82,400	84,872	87,418	90,041	92,742
166	440-4050-539.46-20	Fleet Charges	20,291	Repair	20,900	21,527	22,173	22,838	23,523
167	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
168	440-4050-539.47-20	Copier	2,200	Inflation	2,255	2,314	2,371	2,428	2,484
169	440-4050-539.49-01	Cost Allocation [2]	52,791	Labor	54,903	56,550	58,246	59,994	61,793
170	440-4050-539.49-10	Other Charges/Obligations	2,150	Inflation	2,204	2,261	2,318	2,373	2,428
171	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
172	440-4050-539.51-10	Office Supplies	500	Inflation	513	526	539	552	565
173	440-4050-539.52-10	Operating Supplies	14,500	Inflation	14,863	15,249	15,630	16,005	16,373
174	440-4050-539.52-20	Unleaded & Diesel	17,719	Fuel	18,605	19,535	20,512	21,538	22,614
175	440-4050-539.52-30	Uniforms	1,080	Inflation	1,107	1,136	1,164	1,192	1,220
176	440-4050-539.52-50	Chemical	10,000	WW-Chem	10,074	10,656	11,271	11,921	12,608
177	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
178	440-4050-539.54-20	Educational Development	650	Inflation	666	684	701	717	734
179		Subtotal Operating Expenses	\$274,825		\$285,457	\$296,531	\$308,049	\$320,032	\$332,500
180		Total Wastewater Collections	\$590,663		\$617,702	\$643,637	\$670,953	\$699,748	\$730,126
	440-4080-539	<u>Field Operations</u>							
181	440-4080-539.12-10	Regular Salaries	\$199,415	Labor	\$207,392	\$213,614	\$220,022	\$226,623	\$233,422
182	AddPerFieldOps	Additional Personnel	0	Input	8,401	16,024	16,505	17,000	17,510
183	440-4080-539.12-20	DC ICMA	5,785	Labor	6,016	6,197	6,383	6,574	6,771
184	440-4080-539.14-10	Overtime	13,674	Labor	14,221	14,648	15,087	15,540	16,006
185	440-4080-539.15-30	Cell Phone	367	Inflation	376	386	395	405	414
186	440-4080-539.15-60	Boot Allowance	611	Inflation	626	643	659	674	690
187	440-4080-539.21-10	FICA Taxes	10,861	Labor	11,295	11,634	11,983	12,342	12,713

Table 1-10
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
188	440-4080-539.21-20	Medicare	2,540	Labor	2,642	2,721	2,803	2,887	2,973
189	440-4080-539.22-20	DCSE	16,653	Labor	17,319	17,839	18,374	18,925	19,493
190	440-4080-539.23-10	Life Insurance	782	General-Ins	821	862	905	951	998
191	440-4080-539.23-20	Group Medical Insurance	59,781	Health-Ins	65,759	72,335	79,569	87,525	96,278
192	440-4080-539.23-21	HSA Employer Contribution	1,894	Labor	1,970	2,029	2,090	2,152	2,217
193	440-4080-539.23-22	HRA Employer Contribution	713	Labor	741	764	786	810	834
194	440-4080-539.23-30	Dental Insurance	1,314	Health-Ins	1,445	1,590	1,749	1,924	2,116
195	440-4080-539.23-40	Long Term Disability	1,549	Health-Ins	1,704	1,874	2,062	2,268	2,495
196	440-4080-539.23-60	Broker & Admin. Fees	1,639	Health-Ins	1,803	1,983	2,181	2,399	2,639
197	440-4080-539.23-90	OPEB Expense	1,801	Marginal	1,819	1,837	1,855	1,874	1,893
198	440-4080-539.24-10	Worker's Compensation	6,138	Labor	6,384	6,575	6,773	6,976	7,185
199		Subtotal Personnel Costs	\$325,517		\$350,735	\$373,554	\$390,181	\$407,850	\$426,648
		Operating Expenses							
200	440-4080-539.34-10	Other Contractual Service	53,443	Contractual	\$55,581	57,804	60,117	62,521	65,022
201	440-4080-539.40-10	Travel & Per Diem	1,614	Inflation	1,655	1,698	1,740	1,782	1,823
202	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
203	440-4080-539.41-15	Cellular	358	Inflation	367	377	386	396	405
204	440-4080-539.41-20	Internet	338	Inflation	346	355	364	373	381
205	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
206	440-4080-539.46-10	Rent	407	Inflation	418	428	439	450	460
207	440-4080-539.46-10	Repair & Maintenance	291,477	Calculated	200,566	201,203	201,859	202,534	65,172
208	440-4080-539.46-20	Fleet Charges	14,178	Repair	14,604	15,042	15,493	15,958	16,436
209	440-4080-539.49-01	Cost Allocation [2]	51,290	Labor	53,341	54,942	56,590	58,288	60,036
210	440-4080-539.49-10	Other Charges/Obligations	1,935	Inflation	1,983	2,035	2,086	2,136	2,185
211	440-4080-539.49-40	PI/OFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
212	440-4080-539.51-10	Office Supplies	163	Inflation	167	171	176	180	184
213	440-4080-539.52-10	Operating Supplies	21,548	Inflation	22,086	22,661	23,227	23,785	24,332
214	440-4080-539.52-20	Unleaded & Diesel	13,597	Fuel	14,277	14,991	15,741	16,528	17,354
215	440-4080-539.52-30	Uniforms	957	Inflation	981	1,007	1,032	1,057	1,081
216	440-4080-539.54-10	Books, Pubs, Subs, & Mem	12	Inflation	13	13	13	13	14
217	440-4080-539.54-20	Educational Development	1,246	Inflation	1,278	1,311	1,344	1,376	1,407
218		Subtotal Operating Expenses	\$452,565		\$367,663	\$374,037	\$380,605	\$387,374	\$256,293
219		Total Field Operations	\$778,082		\$718,398	\$747,591	\$770,786	\$795,224	\$682,940
	440-5555-580, 581, 589	Non-Departmental [4]							
220	440-5555-580.22-10	Retirement Contributions	\$163,489	Labor	\$170,029	\$175,129	\$180,383	\$185,795	\$191,369
221	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
222	440-5555-580.31-10	Professional Services	12,811	Contractual	13,324	13,857	14,411	14,987	15,587
223	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
224	440-5555-580.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0
225	440-5555-580.45-10	General Liability	9,846	General-Ins	10,338	10,855	11,397	11,967	12,566
226	440-5555-580.45-15	Property	65,481	General-Ins	68,756	72,193	75,803	79,593	83,573
227	440-5555-580.45-20	Public Officials	7,481	Labor	7,780	8,013	8,254	8,501	8,756
228	440-5555-580.45-25	Automobile	9,941	General-Ins	10,438	10,960	11,508	12,084	12,688
229	440-5555-580.45-35	Environmental Liability	1,718	Inflation	1,761	1,807	1,852	1,896	1,940
230	440-5555-580.46-10	Repair & Maintenance	7,500	Repair	7,725	7,957	8,195	8,441	8,695
231	440-5555-580.49-10	Other Charges/Obligations	4,000	Inflation	4,100	4,207	4,312	4,415	4,517
232	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
233	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
234	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
235	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
236	440-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
237	440-5555-580.62-10	Buildings	0	Eliminate	0	0	0	0	0
238	440-5555-580.63-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
239	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
240	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
241	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
242	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
243	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
244	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
245	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
246	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
247	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
248	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
249	440-5555-580.71-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
250	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
251	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
252	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
253	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0

Table 1-10
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
254	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
255	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
256	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
257	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
258	440-5555-580.72-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
259	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
260	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
261	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
262	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
263	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
264	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
265	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
266	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
267	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
268	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
269	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
270	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
271		Total Non-Departmental	\$282,267		\$294,250	\$304,978	\$316,116	\$327,680	\$339,689
		<u>Other Adjustments</u>							
272	Contingency	Contingency - 0.00% of O&M [5]	\$0	Input	\$0	\$0	\$0	\$0	\$0
273	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	15,391	Input	16,373	17,421	18,206	18,852	19,522
274	Other	Other Adjustments	0	WW-Op	0	0	0	0	0
275		Total Other Adjustments	\$15,391		\$16,373	\$17,421	\$18,206	\$18,852	\$19,522
276		Grand Total Operating Budget	\$4,368,861		\$4,467,094	\$4,645,608	\$4,824,912	\$5,012,815	\$5,071,992

Footnotes:

- [1] Fiscal Year 2020 amounts shown based on Table 1-7.
- [2] Budgeted amounts for the "Cost Allocation" line are to reimburse the General Fund for services that benefit the Utility.
- [3] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. These items have been adjusted from the budget and are accounted for in the summary of Revenue Requirements later in the rate model.
- [4] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [5] A contingency of 0.00% of O&M was added to allow for unforeseen contingencies.
- [6] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.

Table 1-11
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Combined Water and Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
	440-4010-539	<u>Administration Department</u>							
1	440-4010-539.12-10	Regular Salaries	\$350,147	Labor	\$364,153	\$375,077	\$386,330	\$397,920	\$409,857
2	AddPerAdmin	Additional Personnel	0	Input	98,000	100,940	103,968	107,087	110,300
3	440-4010-539.14-10	Overtime	7,509	Labor	7,809	8,044	8,285	8,533	8,790
4	440-4010-539.15-30	Cell Phone	2,400	Inflation	2,460	2,524	2,587	2,649	2,710
5	440-4010-539.15-60	Boot Allowance	125	Inflation	128	131	135	138	141
6	440-4010-539.21-10	FICA Taxes	16,364	Labor	17,019	17,529	18,055	18,597	19,155
7	440-4010-539.21-20	Medicare	3,827	Labor	3,980	4,099	4,222	4,349	4,480
8	440-4010-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
9	440-4010-539.22-20	DCSE	31,629	Labor	32,894	33,881	34,897	35,944	37,023
10	440-4010-539.23-10	Life Insurance	1,202	General-Ins	1,262	1,325	1,391	1,461	1,534
11	440-4010-539.23-20	Group Medical Insurance	64,465	Health-Ins	70,912	78,003	85,803	94,383	103,822
12	440-4010-539.23-21	HSA Employer Contribution	1,500	Labor	1,560	1,607	1,655	1,705	1,756
13	440-4010-539.23-22	HRA Employer Contribution	1,000	Labor	1,040	1,071	1,103	1,136	1,171
14	440-4010-539.23-30	Dental Insurance	2,294	Health-Ins	2,523	2,776	3,053	3,359	3,695
15	440-4010-539.23-40	Long Term Disability	2,162	Health-Ins	2,378	2,616	2,878	3,165	3,482
16	440-4010-539.23-60	Broker & Admin. Fees	1,562	Health-Ins	1,718	1,890	2,079	2,287	2,516
17	440-4010-539.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
18	440-4010-539.24-10	Worker's Compensation	431	Labor	448	462	476	490	504
19		Subtotal Personnel Expenses	\$486,617		\$608,285	\$631,975	\$656,918	\$683,204	\$710,933
		<u>Operating Expenses</u>							
20	440-4010-539.34-10	Other Contractual Service	\$3,504	Contractual	\$3,644	\$3,790	\$3,942	\$4,099	\$4,263
21	440-4010-539.40-10	Travel & Per Diem	3,900	Inflation	3,998	4,101	4,204	4,305	4,404
22	440-4010-539.41-10	Telephone	435	Inflation	446	457	469	480	491
23	440-4010-539.41-20	Internet	5,400	Inflation	5,535	5,679	5,821	5,961	6,098
24	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
25	440-4010-539.43-10	Electric	4,223	Electricity	4,434	4,656	4,889	5,133	5,390
26	440-4010-539.46-10	Repair & Maintenance	2,300	Repair	2,369	2,440	2,513	2,589	2,666
27	440-4010-539.46-20	Fleet Charges	1,201	Repair	1,237	1,274	1,312	1,352	1,392
28	440-4010-539.47-20	Copier	5,900	Inflation	6,048	6,205	6,360	6,512	6,662
29	440-4010-539.49-01	Cost Allocation [2]	541,781	Labor	563,452	580,356	597,766	615,699	634,170
30	440-4010-539.49-10	Other Charges/Obligations	200	Inflation	205	210	216	221	226
31	440-4010-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
32	440-4010-539.51-10	Office Supplies	1,500	Inflation	1,538	1,577	1,617	1,656	1,694
33	440-4010-539.52-10	Operating Supplies	2,000	Inflation	2,050	2,103	2,156	2,208	2,258
34	440-4010-539.52-20	Unleaded & Diesel	1,628	Fuel	1,709	1,795	1,885	1,979	2,078
35	440-4010-539.52-30	Uniforms	1,025	Inflation	1,051	1,078	1,105	1,131	1,157
36	440-4010-539.54-10	Books, Pubs, Subs, & Mem	8,267	Inflation	8,474	8,694	8,911	9,125	9,335
37	440-4010-539.54-20	Educational Development	3,950	Inflation	4,049	4,154	4,258	4,360	4,460
38		Subtotal Operating Expenses	\$587,214		\$610,237	\$628,570	\$647,423	\$666,810	\$686,746
39		Total Administration Department	\$1,073,831		\$1,218,522	\$1,260,546	\$1,304,341	\$1,350,014	\$1,397,679
	440-4030-533	<u>Water Department</u>							
40	440-4030-533.12-10	Regular Salaries	\$488,675	Labor	\$508,222	\$523,469	\$539,173	\$555,348	\$572,008
41	AddPerWater	Additional Personnel	0	Input	0	0	0	0	0
42	440-4030-533.12-20	DC ICMA	14,469	Labor	15,048	15,499	15,964	16,443	16,936
43	440-4030-533.14-10	Overtime	31,346	Labor	32,600	33,578	34,585	35,623	36,691
44	440-4030-533.15-30	Cell Phone	900	Inflation	923	946	970	993	1,016
45	440-4030-533.15-60	Boot Allowance	1,250	Inflation	1,281	1,315	1,347	1,380	1,411
46	440-4030-533.21-10	FICA Taxes	27,160	Labor	28,246	29,094	29,967	30,866	31,792
47	440-4030-533.21-20	Medicare	6,352	Labor	6,606	6,804	7,008	7,219	7,435
48	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
49	440-4030-533.22-20	DCSE	40,842	Labor	42,476	43,750	45,062	46,414	47,807
50	440-4030-533.23-10	Life Insurance	2,102	General-Ins	2,207	2,317	2,433	2,555	2,683
51	440-4030-533.23-20	Group Medical Insurance	129,604	Health-Ins	142,564	156,821	172,503	189,753	208,729
52	440-4030-533.23-21	HSA Employer Contribution	8,400	Labor	8,736	8,998	9,268	9,546	9,832
53	440-4030-533.23-22	HRA Employer Contribution	750	Labor	780	803	828	852	878
54	440-4030-533.23-30	Dental Insurance	3,078	Health-Ins	3,386	3,724	4,097	4,506	4,957
55	440-4030-533.23-40	Long Term Disability	3,794	Health-Ins	4,173	4,591	5,050	5,555	6,110
56	440-4030-533.23-60	Broker & Admin. Fees	3,163	Health-Ins	3,479	3,827	4,210	4,631	5,094
57	440-4030-533.23-90	OPEB Expense	4,759	Marginal	4,807	4,855	4,904	4,953	5,002
58	440-4030-533.24-10	Worker's Compensation	15,120	Labor	15,725	16,197	16,682	17,183	17,698
59		Subtotal Personnel Expenses	\$781,764		\$821,259	\$856,588	\$894,051	\$933,820	\$976,081
		<u>Operating Expenses</u>							
60	440-4030-533.31-10	Professional Services	\$56,950	Contractual	\$59,228	\$61,597	\$64,061	\$66,623	\$69,288
61	440-4030-533.34-10	Other Contractual Service	117,865	Contractual	122,580	127,483	132,582	137,885	143,401

Table 1-11
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Combined Water and Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
62	440-4030-533.40-10	Travel & Per Diem	800	Inflation	820	841	862	883	903
63	440-4030-533.41-10	Telephone	220	Inflation	226	231	237	243	248
64	440-4030-533.41-11	Cell Phone	0	Inflation	0	0	0	0	0
65	440-4030-533.41-15	Cellular	35	Inflation	36	37	38	39	40
66	440-4030-533.41-20	Internet	2,100	Inflation	2,153	2,208	2,264	2,318	2,371
67	440-4030-533.41-30	Legal Ads	0	Inflation	0	0	0	0	0
68	440-4030-533.41-40	Postage	14,475	Inflation	14,837	15,223	15,603	15,978	16,345
69	440-4030-533.43-10	Electric	157,796	W-Elec	166,520	175,721	185,427	195,664	206,461
70	440-4030-533.44-10	Rent	1,310	Inflation	1,343	1,378	1,412	1,446	1,479
71	440-4030-533.46-10	Repair & Maintenance	71,357	Repair	73,498	75,703	77,974	80,313	82,722
72	440-4030-533.46-20	Fleet Charges	2,401	Repair	2,473	2,547	2,624	2,702	2,783
73	440-4030-533.47-10	Printing & Binding	1,833	Inflation	1,879	1,928	1,976	2,023	2,070
74	440-4030-533.47-20	Copier	1,400	Inflation	1,435	1,472	1,509	1,545	1,581
75	440-4030-533.48-10	Promotional Activities	5,175	Inflation	5,304	5,442	5,578	5,712	5,844
76	440-4030-533.49-01	Cost Allocation [2]	155,175	Labor	161,382	166,223	171,210	176,346	181,637
77	440-4030-533.49-10	Other Charges/Obligations	21,600	Inflation	22,140	22,716	23,284	23,842	24,391
78	440-4030-533.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
79	440-4030-533.51-10	Office Supplies	650	Inflation	666	684	701	717	734
80	440-4030-533.52-10	Operating Supplies	28,050	Inflation	28,751	29,499	30,236	30,962	31,674
81	440-4030-533.52-20	Unleaded & Diesel	4,774	Fuel	5,013	5,263	5,527	5,803	6,093
82	440-4030-533.52-25	Bulk Fuel	7,000	Fuel	7,350	7,718	8,103	8,509	8,934
83	440-4030-533.52-30	Uniforms	2,075	Inflation	2,127	2,182	2,237	2,290	2,343
84	440-4030-533.52-50	Chemical	436,282	W-Chem	438,478	462,708	488,264	515,219	543,650
85	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	Inflation	1,148	1,178	1,207	1,236	1,265
86	440-4030-533.54-20	Educational Development	1,075	Inflation	1,102	1,131	1,159	1,187	1,214
87		Subtotal Operating Expenses	\$1,091,518		\$1,120,487	\$1,171,112	\$1,224,074	\$1,279,487	\$1,337,471
88		Total Water Department	\$1,873,282		\$1,941,746	\$2,027,701	\$2,118,126	\$2,213,307	\$2,313,552
	440-4040-535	<u>Wastewater Department</u>							
89	440-4040-535.12-10	Regular Salaries	\$635,856	Labor	\$661,290	\$681,129	\$701,563	\$722,610	\$744,288
90	440-4040-535.12-20	AddPerWastewater	0	Input	0	0	0	0	0
91	440-4040-535.13-10	Other Salaries	0	Labor	0	0	0	0	0
92	440-4040-535.14-10	Overtime	61,568	Labor	64,031	65,952	67,930	69,968	72,067
93	440-4040-535.15-30	Cell Phone	1,692	Inflation	1,734	1,779	1,824	1,868	1,911
94	440-4040-535.15-40	Insurance Payback	4,800	Health-Ins	5,280	5,808	6,389	7,028	7,730
95	440-4040-535.15-60	Boot Allowance	1,500	Inflation	1,538	1,577	1,617	1,656	1,694
96	440-4040-535.21-10	FICA Taxes	36,008	Labor	37,448	38,572	39,729	40,921	42,148
97	440-4040-535.21-20	Medicare	8,421	Labor	8,758	9,021	9,291	9,570	9,857
98	440-4040-535.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
99	440-4040-535.22-20	DCSE	71,082	Inflation	72,859	74,753	76,622	78,461	80,266
100	440-4040-535.23-10	Life Insurance	2,701	General-Ins	2,836	2,978	3,127	3,283	3,447
101	440-4040-535.23-20	Group Medical Insurance	131,391	Health-Ins	144,530	158,983	174,881	192,370	211,607
102	440-4040-535.23-21	HSA Employer Contribution	1,300	Labor	1,352	1,393	1,434	1,477	1,522
103	440-4040-535.23-22	HRA Employer Contribution	2,000	Labor	2,080	2,142	2,207	2,273	2,341
104	440-4040-535.23-30	Dental Insurance	3,780	Health-Ins	4,158	4,574	5,031	5,534	6,088
105	440-4040-535.23-40	Long Term Disability	4,880	Health-Ins	5,368	5,905	6,495	7,145	7,859
106	440-4040-535.23-60	Broker & Admin. Fees	3,597	Health-Ins	3,957	4,352	4,788	5,266	5,793
107	440-4040-535.23-90	OPEB	5,646	Marginal	5,702	5,759	5,817	5,875	5,933
108	440-4040-535.24-10	Worker's Compensation	15,351	Labor	15,965	16,444	16,937	17,445	17,969
109		Subtotal Personnel Expenses	\$991,573		\$1,038,886	\$1,081,121	\$1,125,682	\$1,172,749	\$1,222,520
		<u>Operating Expenses</u>							
110	440-4040-535.31-10	Professional Services	\$45,000	Contractual	\$46,800	\$48,672	\$50,619	\$52,644	\$54,749
111	440-4040-535.34-10	Other Contractual Service	243,101	Contractual	252,825	262,938	273,456	284,394	295,770
112	440-4040-535.40-10	Travel & Per Diem	2,950	Inflation	3,024	3,102	3,180	3,256	3,331
113	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
114	440-4040-535.41-15	Cellular	5	Inflation	5	5	5	6	6
115	440-4040-535.41-20	Internet	2,750	Inflation	2,819	2,892	2,964	3,035	3,105
116	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
117	440-4040-535.41-40	Postage	14,475	Inflation	14,837	15,223	15,603	15,978	16,345
118	440-4040-535.43-10	Electric	187,460	WW-Elec	198,299	209,753	221,857	234,647	248,161
119	440-4040-535.43-30	Water / Sewer / Trash	12,798	Inflation	13,118	13,459	13,795	14,127	14,451
120	440-4040-535.44-10	Rent	6,000	Inflation	6,150	6,310	6,468	6,623	6,775
121	440-4040-535.46-10	Repair & Maintenance	192,243	Repair	148,010	152,451	157,024	161,735	166,587
122	440-4040-535.46-20	Fleet Charges	4,102	Repair	4,225	4,352	4,482	4,617	4,755
123	440-4040-535.47-10	Printing & Binding	5,333	Inflation	5,466	5,608	5,749	5,887	6,022
124	440-4040-535.47-20	Copier	1,400	Inflation	1,435	1,472	1,509	1,545	1,581
125	440-4040-535.48-10	Promotional Activities	1,550	Inflation	1,589	1,630	1,671	1,711	1,750
126	440-4040-535.49-01	Cost Allocation [2]	146,552	Labor	152,414	156,987	161,696	166,547	171,543
127	440-4040-535.49-10	Other Charges/Obligations	6,400	Inflation	6,560	6,731	6,899	7,064	7,227

Table 1-11
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Combined Water and Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
128	440-4040-535.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
129	440-4040-535.51-10	Office Supplies	1,000	Inflation	1,025	1,052	1,078	1,104	1,129
130	440-4040-535.52-10	Operating Supplies	48,060	Inflation	49,262	50,542	51,806	53,049	54,269
131	440-4040-535.52-20	Unleaded & Diesel	2,553	Fuel	2,681	2,815	2,955	3,103	3,258
132	440-4040-535.52-25	Bulk Fuel	3,500	Fuel	3,675	3,859	4,052	4,254	4,467
133	440-4040-535.52-30	Uniforms	2,825	Inflation	2,896	2,971	3,045	3,118	3,190
134	440-4040-535.52-50	Chemical	166,162	WW-Chem	167,400	177,069	187,287	198,084	209,492
135	440-4040-535.54-10	Books, Pubs, Subs, & Mem	300	Inflation	308	315	323	331	339
136	440-4040-535.54-20	Educational Development	4,400	Inflation	4,510	4,627	4,743	4,857	4,968
137		Subtotal Operating Expenses	\$1,100,919		\$1,089,331	\$1,134,835	\$1,182,267	\$1,231,715	\$1,283,273
138		Total Wastewater Department	\$2,092,492		\$2,128,217	\$2,215,956	\$2,307,949	\$2,404,464	\$2,505,793
	440-4050-539	<u>Wastewater Collections</u>							
139	440-4050-539.12-10	Regular Salaries	\$188,864	Labor	\$196,419	\$202,311	\$208,380	\$214,632	\$221,071
140	AddPerCollections	Additional Personnel	0	Input	0	0	0	0	0
141	440-4050-539.14-10	Overtime	16,078	Labor	16,721	17,223	17,739	18,272	18,820
142	440-4050-539.15-30	Cell Phone	423	Inflation	434	445	456	467	478
143	440-4050-539.15-60	Boot Allowance	500	Inflation	513	526	539	552	565
144	440-4050-539.21-10	FICA Taxes	11,285	Labor	11,736	12,088	12,451	12,825	13,209
145	440-4050-539.21-20	Medicare	2,640	Labor	2,746	2,828	2,913	3,000	3,090
146	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
147	440-4050-539.22-20	DCSE	22,164	Labor	23,051	23,742	24,454	25,188	25,944
148	440-4050-539.23-10	Life Insurance	842	General-Ins	884	928	975	1,023	1,075
149	440-4050-539.23-20	Group Medical Insurance	60,140	Health-Ins	66,154	72,769	80,046	88,051	96,856
150	440-4050-539.23-21	HRA Employer Contribution	3,150	Labor	3,276	3,374	3,476	3,580	3,687
151	440-4050-539.23-22	HRA Employer Contribution	250	Labor	260	268	276	284	293
152	440-4050-539.23-30	Dental Insurance	1,486	Health-Ins	1,635	1,798	1,978	2,176	2,393
153	440-4050-539.23-40	Long Term Disability	1,526	Health-Ins	1,679	1,846	2,031	2,234	2,458
154	440-4050-539.23-60	Broker & Admin. Fees	653	Health-Ins	718	790	869	956	1,052
155	440-4050-539.23-90	OPEB Expense	1,632	Marginal	1,648	1,664	1,681	1,698	1,715
156	440-4050-539.24-10	Worker's Compensation	4,205	Labor	4,373	4,504	4,640	4,779	4,922
157		Subtotal Personnel Expenses	\$315,838		\$332,245	\$347,106	\$362,904	\$379,716	\$397,626
		<u>Operating Expenses</u>							
158	440-4050-539.34-10	Other Contractual Service	\$213	Contractual	\$222	\$230	\$240	\$249	\$259
159	440-4050-539.40-10	Travel & Per Diem	1,400	Inflation	1,435	1,472	1,509	1,545	1,581
160	440-4050-539.41-10	Telephone	220	Inflation	226	231	237	243	248
161	440-4050-539.41-15	Cellular	440	Inflation	451	463	474	486	497
162	440-4050-539.41-20	Internet	2,050	Inflation	2,101	2,156	2,210	2,263	2,315
163	440-4050-539.43-10	Electric	66,950	WW-Elec	70,821	74,912	79,235	83,802	88,629
164	440-4050-539.43-30	Water / Sewer / Trash	671	Inflation	688	706	723	741	758
165	440-4050-539.44-10	Rent	1,000	Inflation	1,025	1,052	1,078	1,104	1,129
166	440-4050-539.46-10	Repair & Maintenance	80,000	Repair	82,400	84,872	87,418	90,041	92,742
167	440-4050-539.46-20	Fleet Charges	20,291	Repair	20,900	21,527	22,173	22,838	23,523
168	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
169	440-4050-539.47-20	Copier	2,200	Inflation	2,255	2,314	2,371	2,428	2,484
170	440-4050-539.49-01	Cost Allocation [2]	52,791	Labor	54,903	56,550	58,246	59,994	61,793
171	440-4050-539.49-10	Other Charges/Obligations	2,150	Inflation	2,204	2,261	2,318	2,373	2,428
172	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
173	440-4050-539.51-10	Office Supplies	500	Inflation	513	526	539	552	565
174	440-4050-539.52-10	Operating Supplies	14,500	Inflation	14,863	15,249	15,630	16,005	16,373
175	440-4050-539.52-20	Unleaded & Diesel	17,719	Fuel	18,605	19,535	20,512	21,538	22,614
176	440-4050-539.52-30	Uniforms	1,080	Inflation	1,107	1,136	1,164	1,192	1,220
177	440-4050-539.52-50	Chemical	10,000	WW-Chem	10,074	10,656	11,271	11,921	12,608
178	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
179	440-4050-539.54-20	Educational Development	650	Inflation	666	684	701	717	734
180		Subtotal Operating Expenses	\$274,825		\$285,457	\$296,531	\$308,049	\$320,032	\$332,500
181		Total Wastewater Collections	\$590,663		\$617,702	\$643,637	\$670,953	\$699,748	\$730,126
	440-4080-539	<u>Field Operations</u>							
182	440-4080-539.12-10	Regular Salaries	\$489,570	Labor	\$509,153	\$524,427	\$540,160	\$556,365	\$573,056
183	AddPerFieldOps	Additional Personnel	0	Input	16,803	37,015	38,125	39,269	40,447
184	440-4080-539.12-20	DC ICMA	14,202	Labor	14,770	15,213	15,670	16,140	16,624
185	440-4080-539.14-10	Overtime	33,571	Labor	34,914	35,961	37,040	38,151	39,296
186	440-4080-539.15-30	Cell Phone	900	Inflation	923	946	970	993	1,016
187	440-4080-539.15-60	Boot Allowance	1,500	Inflation	1,538	1,577	1,617	1,656	1,694
188	440-4080-539.21-10	FICA Taxes	26,663	Labor	27,730	28,561	29,418	30,301	31,210

Table 1-11
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Combined Water and Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
189	440-4080-539.21-20	Medicare	6,236	Labor	6,485	6,680	6,880	7,087	7,299
190	440-4080-539.22-20	DCSE	40,884	Labor	42,519	43,795	45,109	46,462	47,856
191	440-4080-539.23-10	Life Insurance	1,920	General-Ins	2,016	2,117	2,223	2,334	2,450
192	440-4080-539.23-20	Group Medical Insurance	146,764	Health-Ins	161,440	177,584	195,343	214,877	236,365
193	440-4080-539.23-21	HSA Employer Contribution	4,650	Labor	4,836	4,981	5,131	5,284	5,443
194	440-4080-539.23-22	HRA Employer Contribution	1,750	Labor	1,820	1,875	1,931	1,989	2,048
195	440-4080-539.23-30	Dental Insurance	3,226	Health-Ins	3,549	3,903	4,294	4,723	5,196
196	440-4080-539.23-40	Long Term Disability	3,803	Health-Ins	4,183	4,602	5,062	5,568	6,125
197	440-4080-539.23-60	Broker & Admin. Fees	4,023	Health-Ins	4,425	4,868	5,355	5,890	6,479
198	440-4080-539.23-90	OPEB Expense	4,421	Marginal	4,465	4,510	4,555	4,600	4,646
199	440-4080-539.24-10	Worker's Compensation	15,070	Labor	15,673	16,143	16,627	17,126	17,640
200		Subtotal Personnel Costs	\$799,153		\$857,241	\$914,760	\$955,509	\$998,816	\$1,044,890
		Operating Expenses							
201	440-4080-539.34-10	Other Contractual Service	\$131,205	Contractual	\$136,453	\$141,911	\$147,588	\$153,491	\$159,631
202	440-4080-539.40-10	Travel & Per Diem	3,963	Inflation	4,062	4,168	4,272	4,374	4,475
203	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
204	440-4080-539.41-15	Cellular	880	Inflation	902	925	949	971	994
205	440-4080-539.41-20	Internet	829	Inflation	850	872	894	915	936
206	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
207	440-4080-539.44-10	Rent	1,000	Inflation	1,025	1,052	1,078	1,104	1,129
208	440-4080-539.46-10	Repair & Maintenance	602,690	Calculated	492,394	493,958	495,568	497,227	160,000
209	440-4080-539.46-20	Fleet Charges	34,808	Repair	35,852	36,928	38,036	39,177	40,352
210	440-4080-539.49-01	Cost Allocation [2]	125,918	Labor	130,955	134,883	138,930	143,098	147,391
211	440-4080-539.49-10	Other Charges/Obligations	4,750	Inflation	4,869	4,995	5,120	5,243	5,364
212	440-4080-539.49-40	PI/OFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
213	440-4080-539.51-10	Office Supplies	400	Inflation	410	421	431	442	452
214	440-4080-539.52-10	Operating Supplies	52,900	Inflation	54,223	55,632	57,023	58,392	59,735
215	440-4080-539.52-20	Unleaded & Diesel	33,382	Fuel	35,051	36,804	38,644	40,576	42,605
216	440-4080-539.52-30	Uniforms	2,350	Inflation	2,409	2,471	2,533	2,594	2,654
217	440-4080-539.54-10	Books, Pubs, Subs, & Mem	30	Inflation	31	32	32	33	34
218	440-4080-539.54-20	Educational Development	3,060	Inflation	3,137	3,218	3,299	3,378	3,455
219		Subtotal Operating Expenses	\$998,165		\$902,622	\$918,270	\$934,396	\$951,015	\$629,205
220		Total Field Operations	\$1,797,318		\$1,759,863	\$1,833,030	\$1,889,905	\$1,949,830	\$1,674,096
440-5555-580, 581, 589		Non-Departmental [4]							
221	440-5555-580.22-10	Retirement Contributions	\$326,978	Labor	\$340,057	\$350,259	\$360,767	\$371,590	\$382,737
222	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
223	440-5555-580.31-10	Professional Services	23,426	Contractual	24,363	25,338	26,351	27,405	28,501
224	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
225	440-5555-580.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0
226	440-5555-580.45-10	General Liability	16,975	General-Ins	17,824	18,715	19,651	20,633	21,665
227	440-5555-580.45-15	Property	112,899	General-Ins	118,544	124,471	130,695	137,229	144,091
228	440-5555-580.45-20	Public Officials	13,679	Labor	14,226	14,653	15,093	15,545	16,012
229	440-5555-580.45-25	Automobile	17,140	General-Ins	17,997	18,897	19,842	20,834	21,875
230	440-5555-580.45-35	Environmental Liability	3,436	Inflation	3,522	3,613	3,704	3,793	3,880
231	440-5555-580.46-10	Repair & Maintenance	15,000	Repair	15,450	15,914	16,391	16,883	17,389
232	440-5555-580.49-10	Other Charges/Obligations	8,000	Inflation	8,200	8,413	8,624	8,830	9,034
233	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
234	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
235	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
236	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
237	440-5555-580.62-10	Depreciation	0	Eliminate	0	0	0	0	0
238	440-5555-580.63-10	Buildings	0	Eliminate	0	0	0	0	0
239	440-5555-580.64-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
240	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
241	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
242	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
243	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
244	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
245	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
246	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
247	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
248	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
249	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
250	440-5555-580.71-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
251	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
252	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
253	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
254	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0

Table 1-11
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Combined Water and Wastewater System Operating Expenses

Line No.	Cost Center Code	Description	Adjusted [1] 2020	Escalation Factor	Projected 2021	Fiscal Year Ending September 30th.			
						2022	2023	2024	2025
255	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
256	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
257	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
258	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
259	440-5555-580.72-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
260	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
261	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
262	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
263	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
264	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
265	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
266	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
267	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
268	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
269	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
270	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
271	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
272		Total Non-Departmental	\$537,533		\$560,183	\$580,272	\$601,116	\$622,742	\$645,184
		<u>Other Adjustments</u>							
273	Contingency	Contingency - 0.00% of O&M [5]	\$0	Input	\$0	\$0	\$0	\$0	\$0
274	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	28,182	Input	29,991	31,936	33,422	34,630	35,862
275	Other	Other Adjustments - Retirement Benefits	0	Op Expense	0	0	0	0	0
276		Total Other Adjustments	\$28,182		\$29,991	\$31,936	\$33,422	\$34,630	\$35,862
277		Grand Total Operating Budget	\$7,993,300		\$8,256,223	\$8,593,077	\$8,925,810	\$9,274,735	\$9,302,291

Footnotes:

- [1] Fiscal Year 2020 amounts shown based on Table 1-7.
- [2] Budgeted amounts for the "Cost Allocation" line are to reimburse the General Fund for services that benefit the Utility.
- [3] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. These items have been adjusted from the budget and are accounted for in the summary of Revenue Requirements later in the rate model.
- [4] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [5] A contingency of 0.00% of O&M was added to allow for unforeseen contingencies.
- [6] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.

Table 1-12
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Summary of Projected Escalation Factors

Line No.	Description	Escalation Factor	Fiscal Year Ending September 30th,				
			2021	2022	2023	2024	2025
1	Constant	Constant	1.0000	1.0000	1.0000	1.0000	1.0000
2	Eliminate	Eliminate	0.0000	0.0000	0.0000	0.0000	0.0000
3	Marginal	Marginal	1.0100	1.0100	1.0100	1.0100	1.0100
4	Inflation (CPI) [1]	Inflation	1.0250	1.0260	1.0250	1.0240	1.0230
5	Labor	Labor	1.0400	1.0300	1.0300	1.0300	1.0300
6	Benefits	Benefits	1.0500	1.0500	1.0500	1.0500	1.0500
7	Health Insurance	Health-Ins	1.1000	1.1000	1.1000	1.1000	1.1000
8	General Insurance	General-Ins	1.0500	1.0500	1.0500	1.0500	1.0500
9	Contractual	Contractual	1.0400	1.0400	1.0400	1.0400	1.0400
10	Repair (ENR Average)	Repair	1.0300	1.0300	1.0300	1.0300	1.0300
11	Chemicals	Chemicals	1.0000	1.0500	1.0500	1.0500	1.0500
12	Electricity	Electricity	1.0500	1.0500	1.0500	1.0500	1.0500
13	Fuel & Oil	Fuel	1.0500	1.0500	1.0500	1.0500	1.0500
14	Water Customer Accounts	W-Accounts	1.0072	1.0072	1.0071	1.0071	1.0070
15	Wastewater Customer Accounts	WW-Accounts	1.0078	1.0078	1.0077	1.0077	1.0076
16	Treated Water Flows	W-Flows	1.0050	1.0050	1.0050	1.0050	1.0049
17	Treated Wastewater Flows	WW-Flows	1.0074	1.0074	1.0073	1.0073	1.0072
18	Water Flows + Chemicals	W-Chem	1.0050	1.0553	1.0552	1.0552	1.0552
19	Water Flows + Electricity	W-Elec	1.0553	1.0553	1.0552	1.0552	1.0552
20	Wastewater Flows + Chemicals	WW-Chem	1.0074	1.0578	1.0577	1.0576	1.0576
21	Wastewater Flows + Electricity	WW-Elec	1.0578	1.0578	1.0577	1.0576	1.0576
22	Change in Water Customers	W-Growth	0.2857	1.0000	1.0000	1.0000	1.0000
23	Change in Wastewater Customers	WW-Growth	1.0000	1.0000	1.0000	1.0000	1.0000
24	Change in Reclaimed Customers	RC-Growth	1.0000	1.0000	1.0000	1.0000	1.0000
25	Water Rate Revenues	W-Rev	1.0064	1.0064	1.0063	1.0063	1.0062
26	Wastewater Rate Revenues	WW-Rev	1.0069	1.0068	1.0068	1.0067	1.0067
27	Water Operational Expenses	W-Op	1.0454	1.0418	1.0389	1.0393	0.9926
28	Wastewater Operational Expenses	WW-Op	1.0225	1.0400	1.0386	1.0389	1.0118

Footnotes:

- [1] Inflation figures based on discussions with City staff and obtained from the "The Budget and Economic Outlook 2020 - 2030" published by the Congressional Budget Office in January 2020.

Table 1-13
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	Funding Source	Fiscal Year Ending September 30,					Total CIP	
				2020	2021	2022	2023	2024		2025
<u>CIP Escalation Factor Alternatives</u>										
<u>General Project Escalators</u>										
1	No Assumed Escalation (0.0% per Year)	None		1.000	1.000	1.000	1.000	1.000	1.000	
2	Capital Outlay (3.5% per Year)	Outlay		1.000	1.030	1.061	1.093	1.126	1.159	
3	ENR Index Average (3.0% per Year)	ENR		1.000	1.030	1.061	1.093	1.126	1.159	
4	Marginal Increase (1.0% per Year)	Marginal		1.000	1.010	1.020	1.030	1.041	1.051	
5	High Increase (5.0% per Year)	High		1.000	1.050	1.103	1.158	1.216	1.276	
<u>Water System:</u>										
6	Acquire UCNSB Tatum Blvd Area Water Utility	ENR	W-Op	\$130,000	\$0	\$0	\$0	\$0	\$0	\$130,000
7	Acquire UCNSB Tatum Blvd Area Water Utility 12" Pipe	ENR	W-Op	500,000	0	0	0	0	0	500,000
8	Generator Replacement at ARTWTP	ENR	W-R&R	0	257,500	0	0	0	0	257,500
9	East Pine Bluff Water Improvements	ENR	W-Op	0	0	205,732	0	0	0	205,732
10	Evergreen Avenue Water Improvements	ENR	W-Op	0	0	0	0	0	215,084	215,084
11	New York Street Water Improvements	ENR	W-Op	0	25,750	0	0	0	0	25,750
12	Perdita, Palmetto, Live Oak Water Improvements	ENR	W-R&R	0	206,000	0	0	0	0	206,000
13	Plaza & Hubbell Water Improrvment	ENR	W-Op	100,000	0	0	109,273	0	0	209,273
14	Safe Room @ ARWTP & Hardening of Ops Bldg	ENR	Grant	0	309,000	0	0	0	0	309,000
15	THM Precursor Removal Process at ARTWTP	ENR	Junior2	0	2,124,375	1,856,575	0	0	0	3,980,950
16	Two Inch Water Line Replacements	ENR	W-R&R	100,000	206,000	212,180	218,545	225,102	231,855	1,193,682
17	Unspecified Water	ENR	W-R&R	250,000	309,000	318,270	327,818	337,653	347,782	1,890,523
18	Wildwood & Highland Water Main Replacement	ENR	W-R&R	0	0	220,667	0	0	0	220,667
19	Public Works Building (Allocation)	ENR	W-Op	350,000	0	0	0	0	0	350,000
20	Public Works Building (Allocation)	ENR	Senior1	0	0	0	0	2,166,604	0	2,166,604
21	Other Miscellaneous Adjustments	ENR	W-R&R	\$0	\$0	\$0	\$0	\$0	\$0	\$0
22	Budgetary Capital Outlay	None	W-Rates	\$104,160	\$104,160	\$104,160	\$104,160	\$104,160	\$104,160	\$624,960
23	Subtotal Water System			\$1,534,160	\$3,541,785	\$2,917,584	\$759,796	\$2,833,519	\$898,881	\$12,485,725

Table 1-13
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	Funding Source	Fiscal Year Ending September 30,						Total CIP
				2020	2021	2022	2023	2024	2025	
<u>Wastewater System:</u>										
24	Safe Room @ WWTP & Hardening of Ops Bldg	ENR	Grant	\$0	\$309,000	\$0	\$0	\$0	\$0	\$309,000
25	Unspecified Sewer	ENR	S-R&R	250,000	309,000	318,270	327,818	337,653	347,782	1,890,523
26	Air Compressor at WWTP	ENR	S-Op	0	30,900	0	0	0	0	30,900
27	Lift Station #13 (Pelican Cove West) Refurbishment	ENR	S-Impact	0	0	0	273,182	0	0	273,182
28	WWTP Sludge Dewatering	ENR	Junior3	0	0	0	1,639,091	0	0	1,639,091
29	Evaluation of Clay Sewer Lines	ENR	S-R&R	0	0	185,658	0	0	0	185,658
30	Lift Station Refurbishments	ENR	S-R&R	0	0	0	0	309,515	318,800	628,315
31	LS # 3 Refurbishment & Antenna Relocation	ENR	S-R&R	0	309,000	0	0	0	0	309,000
32	LS # 6 Refurbishment	ENR	S-R&R	300,000	0	0	0	0	0	300,000
33	LS #4 Refurbishment	ENR	S-R&R	0	0	265,225	0	0	0	265,225
34	Manhole Lining	ENR	S-R&R	100,000	103,000	106,090	109,273	112,551	115,927	646,841
35	Riverside Dr Sewer Lateral Slip-Lining	ENR	S-R&R	100,000	103,000	106,090	218,545	281,377	289,819	1,098,831
36	Sewer Sliplining	ENR	S-R&R	100,000	103,000	106,090	109,273	112,551	115,927	646,841
37	Submersible Pump Replacements (LS)	ENR	S-Rates	100,000	103,000	106,090	109,273	112,551	115,927	646,841
38	Telemetry at Lift Stations	ENR	S-Rates	50,000	41,200	42,436	0	0	0	133,636
39	WW Lift Station Rehab: FL Shores	ENR	Junior3	0	0	636,540	550,734	567,256	0	1,754,531
40	WW Lift Station Rehab: FL Shores (Split Funding)	ENR	S-R&R	0	0	0	104,902	108,049	695,564	908,515
41	Meadowlake/Woodbridge Reclaimed Extension	ENR	Junior3	0	0	530,450	0	0	0	530,450
42	Public Works Building (Allocation)	ENR	S-Op	350,000	0	0	0	0	0	350,000
43	Public Works Building (Allocation) (Split Funding)	ENR	Senior1	0	0	0	0	2,166,604	0	2,166,604
44	Other Miscellaneous Adjustments	ENR	S-R&R	\$0	\$0	\$0	\$0	\$0	\$0	\$0
45	Budgetary Capital Outlay	None	S-Rates	\$143,840	\$143,840	\$143,840	\$143,840	\$143,840	\$143,840	\$863,040
46	Subtotal Wastewater System			\$1,493,840	\$1,554,940	\$2,546,779	\$3,585,930	\$4,251,947	\$2,143,588	\$15,577,024
47	Total Combined System CIP			\$3,028,000	\$5,096,725	\$5,464,363	\$4,345,726	\$7,085,466	\$3,042,469	\$28,062,749

Table 1-13
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	Funding Source	Fiscal Year Ending September 30,						Total CIP
				2020	2021	2022	2023	2024	2025	
<u>Project Funding Sources Summary</u>										
Water Funding Sources:										
48	Water Rates		W-Rates	\$104,160	\$104,160	\$104,160	\$104,160	\$104,160	\$104,160	\$624,960
49	Operating Fund		W-Op	1,080,000	25,750	205,732	109,273	0	215,084	1,635,839
50	Renewal and Replacement Fund		W-R&R	350,000	978,500	751,117	546,364	562,754	579,637	3,768,372
51	Water Development Fees		W-Impact	0	0	0	0	0	0	0
52	Grants		Grant	0	309,000	0	0	0	0	309,000
53	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
54	Additional Senior Lien Debt 1		Senior1	0	0	0	0	2,166,604	0	2,166,604
55	Additional Senior Lien Debt 2		Senior2	0	0	0	0	0	0	0
56	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
57	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
58	Additional Subordinate Lien Debt 1		Junior1	0	0	0	0	0	0	0
59	Additional Subordinate Lien Debt 2		Junior2	0	2,124,375	1,856,575	0	0	0	3,980,950
60	Additional Subordinate Lien Debt 3		Junior3	0	0	0	0	0	0	0
61	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
62	Assessments		Assessments	0	0	0	0	0	0	0
63	Unfunded / Other Funding Sources		Unfunded	0	0	0	0	0	0	0
64	Subtotal Water Funding Sources			\$1,534,160	\$3,541,785	\$2,917,584	\$759,796	\$2,833,519	\$898,881	\$12,485,725
Wastewater Funding Sources:										
65	Wastewater Rates		S-Rates	\$293,840	\$288,040	\$292,366	\$253,113	\$256,391	\$259,767	\$1,643,517
66	Operating Fund		S-Op	350,000	30,900	0	0	0	0	380,900
67	Renewal and Replacement Fund		S-R&R	850,000	927,000	1,087,423	869,811	1,261,695	1,883,820	6,879,749
68	Wastewater Development Fees		S-Impact	0	0	0	273,182	0	0	273,182
69	Grants		Grant	0	309,000	0	0	0	0	309,000
70	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
71	Additional Senior Lien Debt 1		Senior1	0	0	0	0	2,166,604	0	2,166,604
72	Additional Senior Lien Debt 2		Senior2	0	0	0	0	0	0	0
73	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
74	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
75	Additional Subordinate Lien Debt 1		Junior1	0	0	0	0	0	0	0
76	Additional Subordinate Lien Debt 2		Junior2	0	0	0	0	0	0	0
77	Additional Subordinate Lien Debt 3		Junior3	0	0	1,166,990	2,189,825	567,256	0	3,924,071
78	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
79	Assessments		Assessments	0	0	0	0	0	0	0
80	Unfunded / Other Funding Sources		Unfunded	0	0	0	0	0	0	0
81	Subtotal Wastewater Funding Sources			\$1,493,840	\$1,554,940	\$2,546,779	\$3,585,930	\$4,251,947	\$2,143,588	\$15,577,024

Table 1-13
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	Funding Source	Fiscal Year Ending September 30,						Total CIP
				2020	2021	2022	2023	2024	2025	
Total Funding Sources:										
82	Water & Wastewater Rates		Rates	\$398,000	\$392,200	\$396,526	\$357,273	\$360,551	\$363,927	\$2,268,477
83	Operating Fund		Op	1,430,000	56,650	205,732	109,273	0	215,084	2,016,739
84	Renewal and Replacement Fund		R&R	1,200,000	1,905,500	1,838,540	1,416,174	1,824,450	2,463,457	10,648,121
85	Water and Wastewater Development Fees		Impact Fees	0	0	0	273,182	0	0	273,182
86	Grants		Grant	0	618,000	0	0	0	0	618,000
87	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
88	Additional Senior Lien Debt 1		Senior1	0	0	0	0	4,333,209	0	4,333,209
89	Additional Senior Lien Debt 2		Senior2	0	0	0	0	0	0	0
90	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
91	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
92	Additional Subordinate Lien Debt 1		Junior1	0	0	0	0	0	0	0
93	Additional Subordinate Lien Debt 2		Junior2	0	2,124,375	1,856,575	0	0	0	3,980,950
94	Additional Subordinate Lien Debt 3		Junior3	0	0	1,166,990	2,189,825	567,256	0	3,924,071
95	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
96	Assessments		Assessments	0	0	0	0	0	0	0
97	Unfunded / Other Funding Sources		Unfunded	0	0	0	0	0	0	0
98	Total Funding Sources			<u>\$3,028,000</u>	<u>\$5,096,725</u>	<u>\$5,464,363</u>	<u>\$4,345,726</u>	<u>\$7,085,466</u>	<u>\$3,042,469</u>	<u>\$28,062,749</u>

Table 1-14
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Summary of Existing and Proposed Annual Debt Service Payments - Sinking Fund Basis

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
Water System:							
<u>Existing Debt Service:</u>							
1	Utility System Refunding Revenue Note, Series 2016	\$451,132	\$451,524	\$451,283	\$451,259	\$451,442	\$451,404
2	SRF Loan - #WW640520	0	0	0	0	0	0
3	SRF 2017 Loan - #WW640530	0	0	0	0	0	0
4	Lease Refunding Note, Series 2013	501,438	77,183	0	0	0	0
5	Capital Improvement Revenue Note, Series 2014	0	0	0	0	0	0
6	Vehicle Lease 2016 Amer Cap Svc.	2,588	2,588	2,588	0	0	0
7	Total Existing Debt Service Payments	\$955,159	\$531,295	\$453,871	\$451,259	\$451,442	\$451,404
<u>Proposed Debt Service:</u>							
<u>Proposed Senior Lien Debt:</u>							
8	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$185,977	\$185,977
9	Additional Senior Lien Debt 2	0	0	0	0	0	0
10	Additional Senior Lien Debt 3	0	0	0	0	0	0
11	Additional Senior Lien Debt 4	0	0	0	0	0	0
12	Total Proposed Senior Lien Debt Service Payments	\$0	\$0	\$0	\$0	\$185,977	\$185,977
<u>Proposed Subordinate Lien Debt:</u>							
13	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
14	Additional Subordinate Lien Debt 2	0	0	0	140,817	281,634	281,634
15	Additional Subordinate Lien Debt 3	0	0	0	0	0	0
16	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
17	Total Proposed Subordinate Lien Debt Service Payments	\$0	\$0	\$0	\$140,817	\$281,634	\$281,634
18	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$140,817	\$467,611	\$467,611
19	Total Existing and Proposed Debt Service Payments	\$955,159	\$531,295	\$453,871	\$592,076	\$919,053	\$919,015
Wastewater System							
<u>Existing Debt Service:</u>							
20	Utility System Refunding Revenue Note, Series 2016	\$622,993	\$623,533	\$623,200	\$623,167	\$623,421	\$623,367
21	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
22	SRF 2017 Loan - #WW640530	18,356	18,356	18,356	18,356	18,356	18,356
23	Lease Refunding Note, Series 2013	0	0	0	0	0	0
24	Capital Improvement Revenue Note, Series 2014	36,866	36,973	36,689	36,597	30,362	0
25	Vehicle Lease 2016 Amer Cap Svc.	2,588	2,588	2,588	0	0	0
26	Total Existing Debt Service Payments	\$1,064,772	\$1,065,420	\$1,064,802	\$1,062,089	\$1,056,107	\$1,025,692
<u>Proposed Debt Service:</u>							
<u>Proposed Senior Lien Debt:</u>							
27	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$185,977	\$185,977
28	Additional Senior Lien Debt 2	0	0	0	0	0	0
29	Additional Senior Lien Debt 3	0	0	0	0	0	0
30	Additional Senior Lien Debt 4	0	0	0	0	0	0
31	Total Proposed Senior Lien Debt Service Payments	\$0	\$0	\$0	\$0	\$185,977	\$185,977
<u>Proposed Subordinate Lien Debt:</u>							
32	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
33	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
34	Additional Subordinate Lien Debt 3	0	0	0	0	0	282,978
35	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
36	Total Proposed Subordinate Lien Debt Service Payments	\$0	\$0	\$0	\$0	\$0	\$282,978
37	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$0	\$185,977	\$468,955
38	Total Existing and Proposed Debt Service Payments	\$1,064,772	\$1,065,420	\$1,064,802	\$1,062,089	\$1,242,085	\$1,494,648

Table 1-14
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Summary of Existing and Proposed Annual Debt Service Payments - Sinking Fund Basis

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
Combined System							
<u>Existing Debt Service:</u>							
39	Utility System Refunding Revenue Note, Series 2016	1,074,125	1,075,057	1,074,483	1,074,426	1,074,863	1,074,771
40	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
41	SRF 2017 Loan - #WW640530	18,356	18,356	18,356	18,356	18,356	18,356
42	Lease Refunding Note, Series 2013	501,438	77,183	0	0	0	0
43	Capital Improvement Revenue Note, Series 2014	36,866	36,973	36,689	36,597	30,362	0
44	Vehicle Lease 2016 Amer Cap Svc.	5,176	5,176	5,176	0	0	0
45	Total Existing Debt Service Payments	\$2,019,931	\$1,596,715	\$1,518,673	\$1,513,348	\$1,507,550	\$1,477,096
<u>Proposed Debt Service:</u>							
<u>Proposed Senior Lien Debt:</u>							
46	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$371,955	\$371,955
47	Additional Senior Lien Debt 2	0	0	0	0	0	0
48	Additional Senior Lien Debt 3	0	0	0	0	0	0
49	Additional Senior Lien Debt 4	0	0	0	0	0	0
50	Total Proposed Senior Lien Debt Service Payments	\$0	\$0	\$0	\$0	\$371,955	\$371,955
<u>Proposed Subordinate Lien Debt:</u>							
51	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
52	Additional Subordinate Lien Debt 2	0	0	0	140,817	281,634	281,634
53	Additional Subordinate Lien Debt 3	0	0	0	0	0	282,978
54	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
55	Total Proposed Subordinate Lien Debt Service Payments	\$0	\$0	\$0	\$140,817	\$281,634	\$564,612
56	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$140,817	\$653,588	\$936,567
57	Total Existing and Proposed Debt Service Payments	\$2,019,931	\$1,596,715	\$1,518,673	\$1,654,165	\$2,161,138	\$2,413,663

Table 1-15
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Renewal and Replacement Fund Transfers

Line No.	Description	Budget	Fiscal Year Ending September 30th.				
		2020	2021	2022	2023	2024	2025
Renewal and Replacement Fund Transfer							
1	Prior Fiscal Year						
2	Prior Fiscal Year Rate Revenues	\$10,970,697	\$12,042,300	\$12,656,878	\$13,437,308	\$14,033,894	\$14,519,661
3	Renewal and Replacement Minimum Fund Balance [1]	\$1,721,312	\$1,848,252	\$1,987,520	\$2,065,079	\$2,272,842	\$2,272,814
4	Renewal and Replacement Fund Balance Ending Balance	\$2,159,426	\$1,819,425	\$1,689,563	\$2,154,612	\$2,365,077	\$2,079,569
5	Minimum Required Transfer	\$0	\$28,827	\$297,957	\$0	\$0	\$193,245
6	Renewal and Replacement Transfer Factor (% of Revenue)	12.8%	13.0%	13.5%	14.0%	14.5%	15.0%
7	Renewal and Replacement Fund Transfer Amount	\$1,409,544	\$1,565,499	\$1,708,679	\$1,881,223	\$2,034,915	\$2,177,949
8	Additional Deposit to Meet Minimum Required Transfer	0	0	0	0	0	0
9	Renewal and Replacement Fund Transfer Amount	\$1,409,544	\$1,565,499	\$1,708,679	\$1,881,223	\$2,034,915	\$2,177,949
10	Water Percentage	46.30%	46.30%	46.30%	46.30%	46.30%	46.30%
11	Wastewater Percentage	53.70%	53.70%	53.70%	53.70%	53.70%	53.70%
12	Water Allocation of Transfer - Subtotal	\$652,633	\$724,842	\$791,135	\$871,025	\$942,186	\$1,008,412
13	Wastewater Allocation of Transfer - Subtotal	756,911	840,657	917,543	1,010,198	1,092,729	1,169,537
14	Annual Renewal and Replacement Transfer - Subtotal	\$1,409,544	\$1,565,499	\$1,708,679	\$1,881,223	\$2,034,915	\$2,177,949
Additional Deposits:							
15	Water	\$0	\$0	\$0	\$0	\$0	\$0
16	Wastewater	0	0	0	0	0	0
17	Total Additional Deposits	\$0	\$0	\$0	\$0	\$0	\$0
18	Water Allocation of Transfer	\$652,633	\$724,842	\$791,135	\$871,025	\$942,186	\$1,008,412
19	Wastewater Allocation of Transfer	756,911	840,657	917,543	1,010,198	1,092,729	1,169,537
20	Annual Renewal and Replacement Transfer	\$1,409,544	\$1,565,499	\$1,708,679	\$1,881,223	\$2,034,915	\$2,177,949

Footnotes:

[1] Per the Bond Resolution, this amount is based on 5% of the value of the fixed assets of the System.

Table 1-16
City of Edgewater, Florida
Stormwater Utility Rate Study

Projection of Charter Reserve Fund Transfers

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
<u>Charter Reserve Transfer</u>							
1	Adjustment to Charter Reserve Deposit Transfer	\$0	\$343,365	\$343,365	\$343,365	\$0	\$0
2	Allocation to Water System	45.39%	45.41%	45.45%	45.53%	45.56%	45.56%
3	Allocation to Wastewater System	54.61%	54.59%	54.55%	54.47%	54.44%	54.44%
4	Allocation to Water System	\$0	\$155,912	\$156,062	\$156,324	\$0	\$0
5	Allocation to Wastewater System	\$0	\$187,454	\$187,303	\$187,041	\$0	\$0
6	Total Charter Reserve Fund Deposit	<u>\$0</u>	<u>\$343,365</u>	<u>\$343,365</u>	<u>\$343,365</u>	<u>\$0</u>	<u>\$0</u>

Table 1-17
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Operating and Other Transfers

Line No.	Description	Budget	Fiscal Year Ending September 30th,				
		2020	2021	2022	2023	2024	2025
Payment In Lieu of Franchise Fees							
1	Prior Year	2019	2020	2021	2022	2023	2024
2	Prior Year Revenues	\$10,970,697	\$12,042,300	\$12,656,878	\$13,437,308	\$14,033,894	\$14,519,661
3	Payment In Lieu of Franchise Fees Factor (% of Revenue)	6.3%	5.9%	5.9%	5.9%	5.9%	5.9%
4	Payment In Lieu of Franchise Fees Amount	\$694,805	\$710,496	\$746,756	\$792,801	\$828,000	\$856,660
5	Water Percentage	46.3%	46.3%	46.3%	46.3%	46.3%	46.3%
6	Wastewater Percentage	53.7%	53.7%	53.7%	53.7%	53.7%	53.7%
7	Water Allocation of Transfer	\$321,702	\$328,967	\$345,755	\$367,075	\$383,372	\$396,642
8	Wastewater Allocation of Transfer	373,103	381,529	401,000	425,726	444,628	460,018
9	Annual Payment In Lieu of Franchise Fees	<u>\$694,805</u>	<u>\$710,496</u>	<u>\$746,756</u>	<u>\$792,801</u>	<u>\$828,000</u>	<u>\$856,660</u>

Table 1-18
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Ending Cash Balances and Interest Income

Line No.	Description	Investment Reference		Projected Fiscal Year Ending September 30,					
		Cash Balance	Interest Income	2020	2021	2022	2023	2024	2025
<u>Year End Cash Balances Roll-Up:</u>									
1	Water and Wastewater Operating Fund (440)	(U)	(U)	\$3,423,228	\$3,485,572	\$3,538,471	\$3,637,475	\$3,627,498	\$3,442,221
2	Charter Reserve Fund	(U)	(U)	781,886	1,125,251	1,468,617	1,811,982	1,811,982	1,811,982
3	Customer Deposits (Sub 440A)	(R)	(R)	783,017	783,800	784,584	785,368	786,154	786,940
4	Water Development Fee Fund (442)	(R)	(R)	789,166	873,992	958,902	1,043,898	1,128,978	1,214,143
5	Wastewater Development Fee Fund (443)	(R)	(R)	588,479	692,255	796,134	626,798	730,612	834,529
6	Renewal and Replacement Fund (444)	(U)	(U)	2,159,426	1,819,425	1,689,563	2,154,612	2,365,077	2,079,569
7	Rate Stabilization Fund (445)	(U)	(U)	0	0	0	0	0	0
8	Debt Service Reserve Fund	(R)	(U)	1,455,909	1,455,909	1,455,909	1,455,909	1,455,909	1,455,909
9	Proposed Bonds Construction Fund	(R)	(R)	0	0	0	0	0	0
10	Total Ending Cash Balances			\$9,981,112	\$10,236,204	\$10,692,180	\$11,516,043	\$11,906,210	\$11,625,293
11				\$1,377,646	\$1,566,247	\$1,755,036	\$1,670,696	\$1,859,590	\$2,048,672
12	Unrestricted Reserves (Operating, Charter Reserve, and R&R)			\$6,364,540	\$6,430,248	\$6,696,651	\$7,604,070	\$7,804,557	\$7,333,772
13	Days of Revenues			206	196	191	208	206	187
<u>Water and Wastewater Operating Fund (440)</u>									
14	Beginning Balance			\$4,776,119	\$3,423,228	\$3,485,572	\$3,538,471	\$3,637,475	\$3,627,498
15	Transfers In - Revenue Requirements			11,272,908	11,996,471	12,774,496	13,368,678	13,852,040	14,344,643
16	Transfers In - Rate Stabilization Fund (As Cash Transfer Not Revenue)			1,949,882	0	0	0	0	0
17	Transfers In - R&R Fund			0	0	0	0	0	0
18	Transfers In - Charter Reserve Fund			0	0	0	0	0	0
19	Transfers In - Operating Transfer			0	0	0	0	0	0
20	Transfers In - Other / GF FEMA Loan Repayment			412,843	195,241	0	0	0	0
21	Transfers In - Debt Service Reserve			0	0	0	0	0	0
22	Transfers Out - Revenue Requirements			11,608,642	12,072,718	12,515,865	13,160,401	13,862,017	14,314,836
23	Transfers Out - Capital Improvements			1,430,000	56,650	205,732	109,273	0	215,084
24	Transfers Out - R&R Fund			1,949,882	0	0	0	0	0
25	Transfers Out - Operating Transfer			0	0	0	0	0	0
26	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
27	Interest Income		(U)	\$4,100	\$3,454	\$3,512	\$3,588	\$3,632	\$3,535
28	Recognition of Interest Income in Revenue Requirements			\$4,100	\$3,454	\$3,512	\$3,588	\$3,632	\$3,535
29	Ending Balance	(U)		\$3,423,228	\$3,485,572	\$3,538,471	\$3,637,475	\$3,627,498	\$3,442,221
30	Target Days of Available Cash: 45 Days of Revenue			1,389,811	1,479,017	1,574,938	1,648,193	1,707,786	1,768,518
31	Calculated Days of Available Cash (Revenue)			111	106	101	99	96	88
32	Percent Allocable to Water System			45.39%	45.41%	45.45%	45.53%	45.56%	45.56%
33	Percent Allocable to Wastewater System			54.61%	54.59%	54.55%	54.47%	54.44%	54.44%
34	Amount Allocable to Water System			\$1,861	\$1,569	\$1,596	\$1,633	\$1,655	\$1,611
35	Amount Allocable to Wastewater System			2,239	1,886	1,916	1,954	1,978	1,924
<u>Customer Deposits (Sub 440A)</u>									
36	Beginning Balance			\$782,235	\$783,017	\$783,800	\$784,584	\$785,368	\$786,154
37	Transfers In			0	0	0	0	0	0
38	Transfers Out			0	0	0	0	0	0
39	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
40	Interest Income		(R)	\$782	\$783	\$784	\$785	\$785	\$786
41	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
42	Ending Balance	(R)		\$783,017	\$783,800	\$784,584	\$785,368	\$786,154	\$786,940
43	Percent Allocable to Water System			51.64%	51.64%	51.64%	51.64%	51.64%	51.64%
44	Percent Allocable to Wastewater System			48.36%	48.36%	48.36%	48.36%	48.36%	48.36%
45	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
46	Amount Allocable to Wastewater System			0	0	0	0	0	0
<u>Water Development Fee Fund (442)</u>									
47	Beginning Balance			\$382,101	\$789,166	\$873,992	\$958,902	\$1,043,898	\$1,128,978
48	Transfers In			451,480	128,994	128,994	128,994	128,994	128,994
49	Transfers Out - CIP			0	0	0	0	0	0
50	Transfers Out - R&R Fund			0	0	0	0	0	0
51	Transfers Out - Debt Payment			45,000	45,000	45,000	45,000	45,000	45,000
52	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
53	Interest Income		(R)	\$585	\$831	\$916	\$1,001	\$1,086	\$1,171
54	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
55	Ending Balance	(R)		\$789,166	\$873,992	\$958,902	\$1,043,898	\$1,128,978	\$1,214,143

Table 1-18
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Ending Cash Balances and Interest Income

Line No.	Description	Investment Reference		Projected Fiscal Year Ending September 30,					
		Cash Balance	Interest Income	2020	2021	2022	2023	2024	2025
56	Percent Allocable to Water System			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
57	Percent Allocable to Wastewater System			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
58	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
59	Amount Allocable to Wastewater System			0	0	0	0	0	0
Wastewater Development Fee Fund (443)									
60	Beginning Balance			\$484,808	\$588,479	\$692,255	\$796,134	\$626,798	\$730,612
61	Transfers In			178,135	178,135	178,135	178,135	178,135	178,135
62	Transfers Out - CIP			0	0	0	273,182	0	0
63	Transfers Out - R&R Fund			0	0	0	0	0	0
64	Transfers Out - Debt Payment			75,000	75,000	75,000	75,000	75,000	75,000
65	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
66	Interest Income		(R)	\$536	\$640	\$744	\$711	\$678	\$782
67	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
68	Ending Balance		(R)	\$588,479	\$692,255	\$796,134	\$626,798	\$730,612	\$834,529
69	Percent Allocable to Water System			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
70	Percent Allocable to Wastewater System			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
71	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
72	Amount Allocable to Wastewater System			0	0	0	0	0	0
Renewal and Replacement Fund (444)									
73	Beginning Balance			\$0	\$2,159,426	\$1,819,425	\$1,689,563	\$2,154,612	\$2,365,077
74	Transfers In - Annual Operations			1,409,544	1,565,499	1,708,679	1,881,223	2,034,915	2,177,949
75	Transfers In - Impact Fee Funds			0	0	0	0	0	0
76	Transfers In - Fund 401			1,949,882	0	0	0	0	0
77	Transfers Out - CIP			1,200,000	1,905,500	1,838,540	1,416,174	1,824,450	2,463,457
78	Transfers Out - Fund 401			0	0	0	0	0	0
79	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
80	Interest Income		(U)	\$1,080	\$1,989	\$1,754	\$1,922	\$2,260	\$2,222
81	Recognition of Interest Income in Revenue Requirements			\$1,080	\$1,989	\$1,754	\$1,922	\$2,260	\$2,222
82	Ending Balance		(U)	\$2,159,426	\$1,819,425	\$1,689,563	\$2,154,612	\$2,365,077	\$2,079,569
83	Percent Allocable to Water System			46.30%	46.30%	46.30%	46.30%	46.30%	46.30%
84	Percent Allocable to Wastewater System			53.70%	53.70%	53.70%	53.70%	53.70%	53.70%
85	Amount Allocable to Water System			\$500	\$921	\$812	\$890	\$1,046	\$1,029
86	Amount Allocable to Wastewater System			580	1,068	942	1,032	1,214	1,193
Rate Stabilization Fund (445)									
87	Beginning Balance			\$1,949,882	\$0	\$0	\$0	\$0	\$0
88	Transfers In			0	0	0	0	0	0
89	Transfers Out - As Cash			1,949,882	0	0	0	0	0
90	Transfers Out - As Revenue			0	0	0	0	0	0
91	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
92	Interest Income		(U)	\$975	\$0	\$0	\$0	\$0	\$0
93	Recognition of Interest Income in Revenue Requirements			\$975	\$0	\$0	\$0	\$0	\$0
94	Ending Balance		(U)	\$0	\$0	\$0	\$0	\$0	\$0
95	Percent Allocable to Water System			45.31%	45.31%	45.31%	45.31%	45.31%	45.31%
96	Percent Allocable to Wastewater System			54.69%	54.69%	54.69%	54.69%	54.69%	54.69%
97	Amount Allocable to Water System			\$442	\$0	\$0	\$0	\$0	\$0
98	Amount Allocable to Wastewater System			533	0	0	0	0	0

Table 1-18
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Ending Cash Balances and Interest Income

Line No.	Description	Investment Reference		Projected Fiscal Year Ending September 30,					
		Cash Balance	Interest Income	2020	2021	2022	2023	2024	2025
Charter Reserve Fund									
99	Beginning Balance			\$781,886	\$781,886	\$1,125,251	\$1,468,617	\$1,811,982	\$1,811,982
100	Transfers In			0	343,365	343,365	343,365	0	0
101	Transfers Out			0	0	0	0	0	0
102	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
103	Interest Income		(U)	\$782	\$954	\$1,297	\$1,640	\$1,812	\$1,812
	Recognition of Interest Income								
104	in Revenue Requirements			\$782	\$954	\$1,297	\$1,640	\$1,812	\$1,812
105	Ending Balance	(U)		\$781,886	\$1,125,251	\$1,468,617	\$1,811,982	\$1,811,982	\$1,811,982
106	Percent Allocable to Water System			45.31%	45.31%	45.31%	45.31%	45.31%	45.31%
107	Percent Allocable to Wastewater System			54.69%	54.69%	54.69%	54.69%	54.69%	54.69%
108	Amount Allocable to Water System			\$354	\$432	\$588	\$743	\$821	\$821
109	Amount Allocable to Wastewater System			428	521	709	897	991	991
Debt Service Reserve Fund									
110	Beginning Balance			\$1,455,909	\$1,455,909	\$1,455,909	\$1,455,909	\$1,455,909	\$1,455,909
111	Transfers In - Additional Senior Lien Debt 1			0	0	0	0	0	0
112	Transfers In - Additional Senior Lien Debt 2			0	0	0	0	0	0
113	Transfers In - Additional Senior Lien Debt 3			0	0	0	0	0	0
114	Transfers In - Additional Senior Lien Debt 4			0	0	0	0	0	0
115	Transfers Out - Other			\$0	\$0	\$0	\$0	\$0	\$0
116	Transfers Out - Other			0	0	0	0	0	0
117	Transfers Out - Additional Senior Lien Debt 1			0	0	0	0	0	0
118	Transfers Out - Additional Senior Lien Debt 2			0	0	0	0	0	0
119	Transfers Out - Additional Senior Lien Debt 3			0	0	0	0	0	0
120	Transfers Out - Additional Senior Lien Debt 4			0	0	0	0	0	0
121	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
122	Interest Income		(U)	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456
	Recognition of Interest Income								
123	in Revenue Requirements			\$1,456	\$1,456	\$1,456	\$1,456	\$1,456	\$1,456
124	Ending Balance	(R)		\$1,455,909	\$1,455,909	\$1,455,909	\$1,455,909	\$1,455,909	\$1,455,909
125	Percent Allocable to Water System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
126	Percent Allocable to Wastewater System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
127	Amount Allocable to Water System			\$728	\$728	\$728	\$728	\$728	\$728
128	Amount Allocable to Wastewater System			728	728	728	728	728	728
Proposed Bonds Construction Fund									
129	Beginning Balance			\$0	\$0	\$0	\$0	\$0	\$0
130	Transfers In			0	0	0	0	4,333,209	0
131	Transfers Out - CIP			0	0	0	0	4,333,209	0
132	Interest Rate			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
133	Interest Income		(R)	\$0	\$0	\$0	\$0	\$0	\$0
	Recognition of Interest Income								
134	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
135	Ending Balance	(R)		\$0	\$0	\$0	\$0	\$0	\$0
136	Percent Allocable to Water System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
137	Percent Allocable to Wastewater System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
138	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
139	Amount Allocable to Wastewater System			0	0	0	0	0	0
Debt Service Sinking Fund									
140	Annual Debt Service Payment			\$2,019,931	\$1,596,715	\$1,518,673	\$1,654,165	\$2,161,138	\$2,413,663
141	Average Balance	(R)		504,983	399,179	379,668	413,541	540,285	603,416
142	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
143	Interest Income		(U)	\$505	\$399	\$380	\$414	\$540	\$603
	Recognition of Interest Income								
144	in Revenue Requirements			\$505	\$399	\$380	\$414	\$540	\$603
145	Percent Allocable to Water System			47.29%	33.27%	29.89%	35.79%	42.53%	38.08%
146	Percent Allocable to Wastewater System			52.71%	66.73%	70.11%	64.21%	57.47%	61.92%
147	Amount Allocable to Water System			\$239	\$133	\$113	\$148	\$230	\$230
148	Amount Allocable to Wastewater System			266	266	266	266	311	374

Table 1-18
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Ending Cash Balances and Interest Income

Line No.	Description	Investment Reference		Projected Fiscal Year Ending September 30,					
		Cash Balance	Interest Income	2020	2021	2022	2023	2024	2025
<u>Interest Income:</u>									
149	Unrestricted Interest Income - Water (Includes GF Payback Interest)			\$8,494	\$5,343	\$3,838	\$4,143	\$4,480	\$4,418
150	Unrestricted Interest Income - Wastewater (Includes GF Payback Interest)			9,052	6,030	4,561	4,877	5,220	5,210
151	Total Unrestricted Interest Income			\$17,546	\$11,373	\$8,399	\$9,020	\$9,701	\$9,628
152	Restricted Interest Income			\$1,904	\$2,254	\$2,444	\$2,497	\$2,550	\$2,739
153	Total Interest Income			<u>\$19,450</u>	<u>\$13,627</u>	<u>\$10,843</u>	<u>\$11,516</u>	<u>\$12,250</u>	<u>\$12,368</u>

Table 1-19
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Water System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
<u>Operating Expenses: [1]</u>							
1	Administration Department	\$463,864	\$526,367	\$544,520	\$563,438	\$583,168	\$603,758
2	Water Department	1,873,282	1,941,746	2,027,701	2,118,126	2,213,307	2,313,552
3	Field Operations Department	1,019,235	1,041,465	1,085,439	1,119,119	1,154,606	991,156
4	Non-Departmental	255,266	265,933	275,295	285,000	295,062	305,495
5	Contingency - 0.00% of O&M	0	0	0	0	0	0
6	Bad Debt Expense - 0.25% of Rate Revenues	12,792	13,618	14,515	15,216	15,778	16,339
7	Other Adjustments - Retirement Benefits	0	0	0	0	0	0
8	Total Operating Expenses	\$3,624,440	\$3,789,129	\$3,947,470	\$4,100,899	\$4,261,920	\$4,230,299
<u>Debt Service Payments:</u>							
<u>Existing Debt Service: [2]</u>							
9	Utility System Refunding Revenue Note, Series 2016	\$451,132	\$451,524	\$451,283	\$451,259	\$451,442	\$451,404
10	SRF Loan - #WW640520	0	0	0	0	0	0
11	SRF 2017 Loan - #WW640530	0	0	0	0	0	0
12	Lease Refunding Note, Series 2013	501,438	77,183	0	0	0	0
13	Capital Improvement Revenue Note, Series 2014	0	0	0	0	0	0
14	Vehicle Lease 2016 Amer Cap Svc.	2,588	2,588	2,588	0	0	0
15	Total Existing Debt Service Payments	\$955,159	\$531,295	\$453,871	\$451,259	\$451,442	\$451,404
<u>Proposed Debt Service: [3]</u>							
16	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$185,977	\$185,977
17	Additional Senior Lien Debt 2	0	0	0	0	0	0
18	Additional Senior Lien Debt 3	0	0	0	0	0	0
19	Additional Senior Lien Debt 4	0	0	0	0	0	0
20	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
21	Additional Subordinate Lien Debt 2	0	0	0	140,817	281,634	281,634
22	Additional Subordinate Lien Debt 3	0	0	0	0	0	0
23	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
24	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$140,817	\$467,611	\$467,611
25	Total Annual Debt Service Payments	\$955,159	\$531,295	\$453,871	\$592,076	\$919,053	\$919,015
<u>Other Revenue Requirements:</u>							
26	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
27	Payment In Lieu of Franchise Fees [4]	\$321,702	\$328,967	\$345,755	\$367,075	\$383,372	\$396,642
28	Renewal and Replacement Fund Transfer [5]	652,633	724,842	791,135	871,025	942,186	1,008,412
29	Capital Funded From Rates [6]	104,160	104,160	104,160	104,160	104,160	104,160
30	Transfer to Capital Fund (General)	0	0	0	0	0	0
31	Transfer to Operating Reserves	0	0	0	0	0	0
31	Transfer to Charter Reserve Fund	0	155,912	156,062	156,324	0	0
32	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
33	Total Other Revenue Requirements	\$1,078,495	\$1,313,880	\$1,397,113	\$1,498,584	\$1,429,718	\$1,509,215
34	Gross Revenue Requirements	\$5,658,093	\$5,634,304	\$5,798,453	\$6,191,559	\$6,610,692	\$6,658,528
<u>Other Revenues and Financial Resources:</u>							
35	Other Operating Revenues	\$426,222	\$316,024	\$317,216	\$318,407	\$319,599	\$320,790
36	Unrestricted Interest Income [7]	8,494	5,343	3,838	4,143	4,480	4,418
37	Development Fees Used for Debt Service Payments	45,000	45,000	45,000	45,000	45,000	45,000
38	Transfers from Operating Reserves	0	0	0	0	0	0
39	Transfer from Rate Stabilization	0	0	0	0	0	0
40	Total Other Revenues and Financial Resources	\$479,715	\$366,367	\$366,053	\$367,550	\$369,079	\$370,209
41	Net Revenue Requirements	\$5,178,378	\$5,267,937	\$5,432,400	\$5,824,009	\$6,241,613	\$6,288,320
<u>Revenue From Existing Water Rates:</u>							
42	Existing Rate Revenue	\$4,456,015	\$4,484,527	\$4,513,038	\$4,541,550	\$4,570,061	\$4,598,573
43	Prior Year Rate Adjustments	0	0	270,780	561,340	770,260	936,270
44	Total Rate Revenue Before Current Year Adjustment	\$4,456,015	\$4,484,527	\$4,783,818	\$5,102,890	\$5,340,321	\$5,534,843
<u>Revenue From Existing Wholesale Water Rates:</u>							
45	Existing Rate Revenue	\$660,601	\$660,601	\$660,601	\$660,601	\$660,601	\$660,601
46	Prior Year Rate Adjustments	0	0	39,640	81,650	111,340	134,500
47	Total Rate Revenue Before Current Year Adjustment	\$660,601	\$660,601	\$700,241	\$742,251	\$771,941	\$795,101

Table 1-19
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Water System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
<u>Current Year Rate Adjustment - Water</u>							
48	Current Year Water Rate Adjustment	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%
	Effective Month	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.
49	Percent of Current Year Effective	17%	100%	100%	100%	100%	100%
50	Total Revenue From Current Year Adjustments	\$0	\$269,072	\$287,029	\$204,116	\$160,210	\$166,045
<u>Current Year Rate Adjustment - Wholesale Water</u>							
51	Current Year Water Rate Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%
	Effective Month	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.
52	Percent of Current Year Effective	17%	100%	100%	100%	100%	100%
53	Total Revenue From Current Year Adjustments	\$0	\$33,030	\$35,012	\$37,113	\$38,597	\$39,755
54	Total Revenue From Rates	\$5,116,616	\$5,447,229	\$5,806,100	\$6,086,369	\$6,311,069	\$6,535,744
55	Revenue Surplus / (Deficiency) [8]	(\$61,762)	\$179,292	\$373,700	\$262,360	\$69,456	\$247,424

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2020 Budget and are escalated as shown on Table 1-9.
- [2] Payment amounts shown were based on debt service schedules provided by City Staff.
- [3] The proposed debt is based upon the funding of the capital improvement program. Initial payments shown may indicate a partial year's payment of debt service due to the timing of the instrument. The following indicated the estimated terms and conditions of the proposed debt.
- | | |
|--|---|
| Additional Senior Lien Debt 1 | |
| Principal (Includes Project Costs and Costs of Issuance) | \$4,445,000 (50.00% Allocated to the Water System) |
| Issue Date | 10/1/2023 |
| Interest Rate | 5.50% |
| Term (Years) | 20 |
| Annual Average Debt Service | \$371,955 |
| Additional Subordinate Lien Debt 2 | |
| Principal (Includes Project Costs and Costs of Issuance) | \$4,190,000 (100.00% Allocated to the Water System) |
| Issue Date | 4/1/2023 |
| Interest Rate | 3.00% |
| Term (Years) | 20 |
| Annual Average Debt Service | \$281,634 |
| Additional Subordinate Lien Debt 3 | |
| Principal (Includes Project Costs and Costs of Issuance) | \$4,210,000 (0.00% Allocated to the Water System) |
| Issue Date | 10/1/2024 |
| Interest Rate | 3.00% |
| Term (Years) | 20 |
| Annual Average Debt Service | \$282,978 |
- [4] Amount shown is a transfer to the City's General Fund and is based on 5.9% of the previous Fiscal Year's revenues.
- [5] Amounts are transfers to a Renewal and Replacement (R&R) Fund and are to be used for R&R related capital projects.
- [6] Amounts based on the proposed capital funding plan as shown in Table 1-13.
- [7] Interest income is estimated on earnings on projected fund balances from unrestricted reserves allocated to the water system.
- [8] The forecast assumes that any deficiencies will be funded from available operating reserves.

Table 1-20
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
<u>Operating Expenses: [1]</u>							
1	Administration Department	\$609,967	\$692,155	\$716,026	\$740,903	\$766,846	\$793,921
2	Wastewater Department	2,092,492	2,128,217	2,215,956	2,307,949	2,404,464	2,505,793
3	Wastewater Collection Department	590,663	617,702	643,637	670,953	699,748	730,126
4	Field Operations Department	778,082	718,398	747,591	770,786	795,224	682,940
5	Non-Departmental	282,267	294,250	304,978	316,116	327,680	339,689
6	Contingency - 0.00% of O&M	0	0	0	0	0	0
7	Bad Debt Expense - 0.25% of Rate Revenues	15,391	16,373	17,421	18,206	18,852	19,522
8	Other Adjustments - Retirement Benefits	0	0	0	0	0	0
9	Total Operating Expenses	\$4,368,861	\$4,467,094	\$4,645,608	\$4,824,912	\$5,012,815	\$5,071,992
<u>Debt Service Payments:</u>							
<u>Existing Debt Service: [2]</u>							
10	Utility System Refunding Revenue Note, Series 2016	\$622,993	\$623,533	\$623,200	\$623,167	\$623,421	\$623,367
11	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
12	SRF 2017 Loan - #WW640530	18,356	18,356	18,356	18,356	18,356	18,356
13	Lease Refunding Note, Series 2013	0	0	0	0	0	0
14	Capital Improvement Revenue Note, Series 2014	36,866	36,973	36,689	36,597	30,362	0
15	Vehicle Lease 2016 Amer Cap Svc.	2,588	2,588	2,588	0	0	0
16	Total Existing Debt Service Payments	\$1,064,772	\$1,065,420	\$1,064,802	\$1,062,089	\$1,056,107	\$1,025,692
<u>Proposed Debt Service: [3]</u>							
17	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$185,977	\$185,977
18	Additional Senior Lien Debt 2	0	0	0	0	0	0
19	Additional Senior Lien Debt 3	0	0	0	0	0	0
20	Additional Senior Lien Debt 4	0	0	0	0	0	0
21	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
22	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
23	Additional Subordinate Lien Debt 3	0	0	0	0	0	282,978
24	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
25	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$0	\$185,977	\$468,955
26	Total Annual Debt Service Payments	\$1,064,772	\$1,065,420	\$1,064,802	\$1,062,089	\$1,242,085	\$1,494,648
<u>Other Revenue Requirements:</u>							
27	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
28	Payment In Lieu of Franchise Fees [4]	\$373,103	\$381,529	\$401,000	\$425,726	\$444,628	\$460,018
29	Renewal and Replacement Fund Transfer [5]	756,911	840,657	917,543	1,010,198	1,092,729	1,169,537
30	Capital Funded From Rates [6]	293,840	288,040	292,366	253,113	256,391	259,767
31	Transfer to Capital Fund (General)	0	0	0	0	0	0
32	Transfer to Operating Reserves	0	0	0	0	0	0
32	Transfer to Charter Reserve Fund	0	187,454	187,303	187,041	0	0
33	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
34	Total Other Revenue Requirements	\$1,423,854	\$1,697,680	\$1,798,213	\$1,876,078	\$1,793,747	\$1,889,322
35	Gross Revenue Requirements	\$6,857,487	\$7,230,194	\$7,508,622	\$7,763,078	\$8,048,647	\$8,455,962
<u>Other Revenues and Financial Resources:</u>							
36	Other Operating Revenues	\$343,170	\$344,383	\$345,596	\$346,809	\$348,022	\$349,235
37	Unrestricted Interest Income [7]	9,052	6,030	4,561	4,877	5,220	5,210
38	Development Fees Used for Debt Service Payments	75,000	75,000	75,000	75,000	75,000	75,000
39	Transfers from Operating Reserves	0	0	0	0	0	0
40	Transfer from Rate Stabilization	0	0	0	0	0	0
41	Total Other Revenues and Financial Resources	\$427,223	\$425,413	\$425,157	\$426,686	\$428,242	\$429,445
42	Net Revenue Requirements	\$6,430,264	\$6,804,780	\$7,083,465	\$7,336,392	\$7,620,405	\$8,026,517
<u>Revenue From Existing Wastewater Rates:</u>							
43	Existing Wastewater Rate Revenue	\$5,800,639	\$5,842,471	\$5,884,302	\$5,926,133	\$5,967,964	\$6,009,795
44	Prior Year Rate Adjustments	0	0	353,060	732,470	1,005,860	1,223,600
45	Total Rate Revenue Before Current Year Adjustment	\$5,800,639	\$5,842,471	\$6,237,362	\$6,658,603	\$6,973,824	\$7,233,395
<u>Current Year Rate Adjustment</u>							
46	Current Year Wastewater Rate Adjustment	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%
	Effective Month	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.
47	Percent of Current Year Effective	17%	100%	100%	100%	100%	100%
48	Total Revenue From Current Year Adjustments	\$0	\$350,548	\$374,242	\$266,344	\$209,215	\$217,002

Table 1-20
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Wastewater System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
Revenue From Existing Reclaimed Rates:							
49	Existing Reclaimed Rate Revenue	\$355,653	\$356,223	\$356,793	\$357,363	\$357,933	\$358,503
50	Prior Year Rate Adjustments	0	0	0	0	0	0
51	Total Rate Revenue Before Current Year Adjustment	\$355,653	\$356,223	\$356,793	\$357,363	\$357,933	\$358,503
Current Year Rate Adjustment							
52	Current Year Reclaimed Rate Adjustment	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Effective Month	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.
53	Percent of Current Year Effective	17%	100%	100%	100%	100%	100%
54	Total Revenue From Current Year Adjustments	\$0	\$0	\$0	\$0	\$0	\$0
55	Total Revenue From Rates	\$6,156,292	\$6,549,241	\$6,968,396	\$7,282,310	\$7,540,971	\$7,808,900
56	Revenue Surplus / (Deficiency) [8]	(\$273,972)	(\$255,539)	(\$115,069)	(\$54,083)	(\$79,433)	(\$217,617)

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2020 Budget and are escalated as shown on Table 1-10.
[2] Payment amounts shown were based on debt service schedules provided by City Staff.
[3] The proposed debt is based upon the funding of the capital improvement program. Initial payments shown may indicate a partial year's payment of debt service due to the timing of the instrument. The following indicated the estimated terms and conditions of the proposed debt.

Additional Senior Lien Debt 1

Principal (Includes Project Costs and Costs of Issuance)	\$4,445,000	(50.00% Allocated to the Wastewater System)
Issue Date	10/1/2023	
Interest Rate	5.50%	
Term (Years)	20	
Annual Average Debt Service	\$371,955	

Additional Subordinate Lien Debt 2

Principal (Includes Project Costs and Costs of Issuance)	\$4,190,000	(0.00% Allocated to the Wastewater System)
Issue Date	4/1/2023	
Interest Rate	3.00%	
Term (Years)	20	
Annual Average Debt Service	\$281,634	

Additional Subordinate Lien Debt 3

Principal (Includes Project Costs and Costs of Issuance)	\$4,210,000	(100.00% Allocated to the Wastewater System)
Issue Date	10/1/2024	
Interest Rate	3.00%	
Term (Years)	20	
Annual Average Debt Service	\$282,978	

- [4] Amount shown is a transfer to the City's General Fund and is based on 5.9% of the previous Fiscal Year's revenues.
[5] Amounts are transfers to a Renewal and Replacement (R&R) Fund and are to be used for R&R related capital projects.
[6] Amounts based on the proposed capital funding plan as shown in Table 1-13.
[7] Interest income is estimated on earnings on projected fund balances from unrestricted reserves allocated to the wastewater system.
[8] The forecast assumes that any deficiencies will be funded from available operating reserves.

Table 1-21
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Combined Water and Wastewater System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30th.					
		2020	2021	2022	2023	2024	2025
<u>Operating Expenses: [1]</u>							
1	Administration Department	\$1,073,831	\$1,218,522	\$1,260,546	\$1,304,341	\$1,350,014	\$1,397,679
2	Water Department	1,873,282	1,941,746	2,027,701	2,118,126	2,213,307	2,313,552
3	Wastewater Department	2,092,492	2,128,217	2,215,956	2,307,949	2,404,464	2,505,793
4	Wastewater Collection Department	590,663	617,702	643,637	670,953	699,748	730,126
5	Field Operations Department	1,797,318	1,759,863	1,833,030	1,889,905	1,949,830	1,674,096
6	Non-Departmental	537,533	560,183	580,272	601,116	622,742	645,184
7	Contingency - 0.00% of O&M	0	0	0	0	0	0
8	Bad Debt Expense - 0.25% of Rate Revenues	28,182	29,991	31,936	33,422	34,630	35,862
9	Other Adjustments -	0	0	0	0	0	0
10	Total Operating Expenses	\$7,993,300	\$8,256,223	\$8,593,077	\$8,925,810	\$9,274,735	\$9,302,291
<u>Debt Service Payments:</u>							
<u>Existing Debt Service: [2]</u>							
11	Utility System Refunding Revenue Note, Series 2016	\$1,074,125	\$1,075,057	\$1,074,483	\$1,074,426	\$1,074,863	\$1,074,771
12	SRF Loan - #WW640520	383,969	383,969	383,969	383,969	383,969	383,969
13	SRF 2017 Loan - #WW640530	18,356	18,356	18,356	18,356	18,356	18,356
14	Lease Refunding Note, Series 2013	501,438	77,183	0	0	0	0
15	Capital Improvement Revenue Note, Series 2014	36,866	36,973	36,689	36,597	30,362	0
16	Vehicle Lease 2016 Amer Cap Svc.	5,176	5,176	5,176	0	0	0
17	Total Existing Debt Service Payments	\$2,019,931	\$1,596,715	\$1,518,673	\$1,513,348	\$1,507,550	\$1,477,096
<u>Proposed Debt Service: [3]</u>							
18	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$371,955	\$371,955
19	Additional Senior Lien Debt 2	0	0	0	0	0	0
20	Additional Senior Lien Debt 3	0	0	0	0	0	0
21	Additional Senior Lien Debt 4	0	0	0	0	0	0
22	Additional Subordinate Lien Debt 1	0	0	0	0	0	0
23	Additional Subordinate Lien Debt 2	0	0	0	140,817	281,634	281,634
24	Additional Subordinate Lien Debt 3	0	0	0	0	0	282,978
25	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
26	Total Proposed Debt Service Payments	\$0	\$0	\$0	\$140,817	\$653,588	\$936,567
27	Total Annual Debt Service Payments	\$2,019,931	\$1,596,715	\$1,518,673	\$1,654,165	\$2,161,138	\$2,413,663
<u>Other Revenue Requirements:</u>							
28	Payment In Lieu of Franchise Fees [4]	\$694,805	\$710,496	\$746,756	\$792,801	\$828,000	\$856,660
29	Renewal and Replacement Fund Transfer [5]	1,409,544	1,565,499	1,708,679	1,881,223	2,034,915	2,177,949
30	Capital Funded From Rates [6]	398,000	392,200	396,526	357,273	360,551	363,927
31	Transfer to Capital Fund (General)	0	0	0	0	0	0
32	Transfer to Operating Reserves	0	0	0	0	0	0
33	Transfer to Charter Reserve Fund	0	343,365	343,365	343,365	0	0
34	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
35	Total Other Revenue Requirements	\$2,502,349	\$3,011,560	\$3,195,326	\$3,374,662	\$3,223,465	\$3,398,536
36	Gross Revenue Requirements	\$12,515,580	\$12,864,498	\$13,307,076	\$13,954,637	\$14,659,339	\$15,114,490
<u>Other Revenues and Financial Resources:</u>							
37	Other Operating Revenues	\$769,392	\$660,407	\$662,812	\$665,216	\$667,621	\$670,025
38	Unrestricted Interest Income [7]	17,546	11,373	8,399	9,020	9,701	9,628
39	Development Fees Used for Debt Service Payments	120,000	120,000	120,000	120,000	120,000	120,000
40	Transfers from Operating Reserves	0	0	0	0	0	0
41	Transfer from Rate Stabilization	0	0	0	0	0	0
42	Total Other Revenues and Financial Resources	\$906,938	\$791,780	\$791,211	\$794,236	\$797,321	\$799,654
43	Net Revenue Requirements	\$11,608,642	\$12,072,718	\$12,515,865	\$13,160,401	\$13,862,017	\$14,314,836
<u>Revenue From Combined Rates:</u>							
44	Existing Rate Revenue	\$11,272,908	\$11,343,821	\$11,414,733	\$11,485,646	\$11,556,559	\$11,627,471
45	Revenue From Current Year Adjustments	0	652,650	696,283	507,572	408,021	422,802
46	Revenue From Prior Year Rate Adjustments	0	0	663,480	1,375,460	1,887,460	2,294,370
47	Total Revenue From Rates	\$11,272,908	\$11,996,471	\$12,774,496	\$13,368,678	\$13,852,040	\$14,344,643
48	Revenue Surplus / (Deficiency) [8]	(\$335,734)	(\$76,247)	\$258,631	\$208,277	(\$9,977)	\$29,807
49	Percentage Surplus / (Deficiency)	-2.98%	-0.64%	2.02%	1.56%	-0.07%	0.21%

Footnotes located on following page.

Table 1-21
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Combined Water and Wastewater System Revenue Requirements

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2020 Budget and are escalated as shown on Table 1-11.
 [2] Payment amounts shown were based on debt service schedules provided by City Staff.
 [3] The proposed debt is based upon the funding of the capital improvement program. Initial payments shown may indicate a partial year's payment of debt service due to the timing of the instrument. The following indicated the estimated terms and conditions of the proposed debt.

Additional Senior Lien Debt 1	
Principal (Includes Project Costs and Costs of Issuance)	\$4,445,000
Issue Date	10/1/2023
Interest Rate	5.50%
Term (Years)	20
Annual Average Debt Service	\$371,955
Additional Subordinate Lien Debt 2	
Principal (Includes Project Costs and Costs of Issuance)	\$4,190,000
Issue Date	4/1/2023
Interest Rate	3.00%
Term (Years)	20
Annual Average Debt Service	\$281,634
Additional Subordinate Lien Debt 3	
Principal (Includes Project Costs and Costs of Issuance)	\$4,210,000
Issue Date	10/1/2024
Interest Rate	3.00%
Term (Years)	20
Annual Average Debt Service	\$282,978

- [4] Amount shown is a transfer to the City's General Fund and is based on 5.9% of the previous Fiscal Year's revenues.
 [5] Amounts are transfers to a Renewal and Replacement (R&R) Fund and are to be used for R&R related capital projects.
 [6] Amounts based on the proposed capital funding plan as shown in Table 1-13.
 [7] Interest income is estimated on earnings on projected fund balances from unrestricted reserves allocated to the wastewater system.
 [8] The forecast assumes that any deficiencies will be funded from available operating reserves.

Table 1-22
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Debt Service Coverage Compliance

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
<u>Senior Lien Test: (CAFR Presentation Method)</u>							
49	Net Revenues	\$4,065,466	\$4,410,038	\$4,850,875	\$5,115,182	\$5,252,366	\$5,719,784
50	Total Senior Lien Bond Service Requirements	\$1,074,125	\$1,075,057	\$1,074,483	\$1,074,426	\$1,446,818	\$1,446,726
51	Calculated Ratio	378.49%	410.21%	451.46%	476.09%	363.03%	395.36%
52	Minimum Target Coverage Ratio - 115.00%	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%
53	Net Revenues After Payment of Debt Service	\$2,045,535	\$2,813,324	\$3,332,202	\$3,461,017	\$3,091,228	\$3,306,121
54	Use of Impact Fees for Debt Service Payments	120,000	120,000	120,000	120,000	120,000	120,000
55	Subtotal	\$2,165,535	\$2,933,324	\$3,452,202	\$3,581,017	\$3,211,228	\$3,426,121
<u>Less Other Payments and Transfers from Rates:</u>							
56	Payment In Lieu of Franchise Fees	[5] \$694,805	\$710,496	\$746,756	\$792,801	\$828,000	\$856,660
57	General Fund Cost Allocation Transfer	0	0	0	0	0	0
58	Renewal and Replacement Fund Transfer	1,409,544	1,565,499	1,708,679	1,881,223	2,034,915	2,177,949
59	Capital Funded From Rates	398,000	392,200	396,526	357,273	360,551	363,927
60	Transfer to Charter Reserve Fund	0	343,365	343,365	343,365	0	0
61	Transfer to Capital Fund (General)	0	0	0	0	0	0
62	Net Transfer to/ (from) Operating Reserves	0	0	0	0	0	0
63	Plus Restricted Interest Income (Not Includable Above)	1,080	1,989	1,754	1,922	2,260	2,222
64	Net Amount Available for Other Utility System Purposes	(\$335,734)	(\$76,247)	\$258,631	\$208,277	(\$9,977)	\$29,807

Footnotes located on following page.

Table 1-22
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Projection of Debt Service Coverage Compliance

Footnotes:

- [1] Projected revenue from rates reflects existing rates effective October 1, 2018.
- [2] Revenue from water and wastewater rate adjustments reflect the following projected rate increases effective October 1st of each year.

Fiscal Year	2020	2021	2022	2023	2024	2025
Rate Adjustment	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%

- [3] Amounts shown only reflect earnings from funds and accounts established by the City that are considered unrestricted (earnings not required to be retained in such funds and accounts and are available as a component of Net Revenues)
- [4] Amounts shown represent a transfer to the City's General fund for the Utility System's allocation (25.00%) of the Capital Improvement Revenue Note, Series 2014.
- [5] Amounts shown represent a transfer to the City's General fund for Payment in Lieu of Franchise Fees (PILOFF), which is a transfer made based on 5.90% of the previous year's rate revenue.

Table 1-23
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Comparison of Typical Monthly Residential Bills for Water Service [1]

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter							
		0 Gallons	2,000 Gallons	3,000 Gallons [2]	4,000 Gallons	6,000 Gallons	8,000 Gallons	10,000 Gallons	15,000 Gallons
City of Edgewater, Florida									
1	Existing Rates	\$13.92	\$18.60	\$26.38	\$34.16	\$51.68	\$71.16	\$90.64	\$151.44
2	Proposed Rates - Fiscal Year 2021	14.76	19.72	27.97	36.22	54.79	75.43	96.07	160.52
Other Florida Utilities:									
3	City of Daytona Beach [3]	\$17.48	\$23.23	\$28.98	\$34.73	\$46.23	\$57.73	\$69.23	\$97.98
4	City of DeLand [4]	12.28	16.50	18.61	20.72	26.31	33.27	40.23	67.68
5	City of Deltona	14.72	18.82	20.87	22.92	29.09	37.33	45.57	81.67
6	City of Port Orange	9.90	12.86	16.74	20.62	28.38	36.14	43.90	71.76
7	City of Eustis [3]	11.09	15.73	18.05	20.37	25.01	29.65	35.43	49.88
8	City of Holly Hill [5]	11.37	19.33	27.28	35.23	52.33	70.63	88.93	138.63
9	New Smyrna Beach Utilities Commission	11.65	13.51	14.44	15.68	18.16	22.08	26.00	35.80
10	City of Orange City	12.08	20.36	24.50	28.64	36.92	47.26	59.66	96.87
11	City of Ormond Beach	15.58	15.58	18.76	21.94	28.30	35.84	43.38	62.23
12	Town of Ponce Inlet	20.00	20.00	27.00	34.00	48.00	62.00	76.00	111.00
13	City of Sanford [3]	12.02	12.02	14.36	16.70	21.38	27.52	33.66	51.71
14	Seminole County [3]	14.30	16.72	17.93	19.14	21.56	23.98	26.40	36.40
15	City of South Daytona	3.39	8.82	14.25	19.68	30.54	45.47	64.47	111.97
16	Volusia County - Softened	14.84	23.24	27.44	31.64	41.00	51.32	61.64	88.34
17	Other Utilities' Average	\$12.91	\$16.91	\$20.66	\$24.43	\$32.37	\$41.44	\$51.04	\$78.71
18	Minimum	3.39	8.82	14.25	15.68	18.16	22.08	26.00	35.80
19	Maximum	20.00	23.24	28.98	35.23	52.33	70.63	88.93	138.63

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2020 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.
- [2] Reflects average usage of a typical single family residential customer with both water and wastewater service within the service area of the City of Edgewater utility system.
- [3] Utility is currently involved in a rate study, is planning to conduct a rate study, or plans to implement a rate revision or price index / pass-through adjustment within the next twelve months following the comparison preparation date.
- [4] Utility bills a separate charge, applied on a "per bill basis," regardless of type of service. Such charge has been included in the rates for water service since this is the predominant service received by utility customers.
- [5] Includes a \$3.00 renewal and replacement fee.

Table 1-24
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Comparison of Typical Monthly Residential Bills for Wastewater Service [1]

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter							
		0 Gallons	2,000 Gallons	3,000 Gallons [2]	4,000 Gallons	6,000 Gallons	8,000 Gallons	10,000 Gallons	15,000 Gallons
City of Edgewater, Florida									
1	Existing Rates	\$20.20	\$36.10	\$44.05	\$52.00	\$67.90	\$83.80	\$99.70	\$139.45
2	Proposed Rates - Fiscal Year 2021	21.41	38.27	46.70	55.13	71.99	88.85	105.71	147.86
Other Florida Utilities:									
7	City of Daytona Beach [3]	\$14.50	\$24.40	\$34.30	\$44.20	\$64.00	\$83.80	\$103.60	\$153.10
8	City of DeLand [4]	24.41	34.07	38.90	43.73	53.39	63.05	72.71	72.71
9	City of Deltona	20.67	55.27	72.57	89.87	129.67	174.67	219.67	219.67
10	City of Port Orange [3]	11.70	20.40	24.75	29.10	37.80	46.50	55.20	63.90
11	City of Eustis [3]	26.10	32.62	35.88	39.14	45.66	52.18	58.70	58.70
12	City of Holly Hill [5]	15.01	21.19	30.54	39.89	58.59	77.29	95.99	142.74
13	New Smyrna Beach Utilities Commission	18.61	26.75	30.82	34.89	43.03	51.17	59.31	79.66
14	City of Orange City	23.53	39.75	47.86	55.97	72.19	88.41	96.52	96.52
15	City of Ormond Beach	19.29	19.29	23.72	28.15	37.01	45.87	54.73	76.88
16	Town of Ponce Inlet	14.63	25.51	30.95	36.39	47.27	58.15	69.03	79.91
17	City of Sanford [3]	22.11	22.11	28.14	34.17	46.23	58.29	70.35	82.41
18	Seminole County [3]	22.72	33.06	38.23	43.40	53.74	64.08	74.42	100.27
19	City of South Daytona [3]	6.16	16.01	25.86	35.71	55.41	75.11	94.81	144.06
20	Volusia County - Softened [3]	22.81	32.45	37.27	42.09	51.73	61.37	71.01	90.29
21	Other Utilities' Average	\$18.73	\$28.78	\$35.70	\$42.62	\$56.84	\$71.42	\$85.43	\$104.34
22	Minimum	6.16	16.01	23.72	28.15	37.01	45.87	54.73	58.70
23	Maximum	26.10	55.27	72.57	89.87	129.67	174.67	219.67	219.67

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2020 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.
- [2] Reflects average usage of a typical single family residential customer with both water and wastewater service within the service area of the City of Edgewater utility system.
- [3] Utility is currently involved in a rate study, is planning to conduct a rate study, or plans to implement a rate revision or price index / pass-through adjustment within the next twelve months following the comparison preparation date.
- [4] Utility bills a separate charge, applied on a "per bill basis," regardless of type of service. Such charge has been included in the rates for water service since this is the predominant service received by utility customers.
- [5] Includes a \$3.00 renewal and replacement fee.

Table 1-25
City of Edgewater, Florida
Water and Wastewater Utility Rate Study

Comparison of Typical Monthly Residential Bills for Combined Water and Wastewater Service [1]

Line No.	Description	Residential Service for a 5/8" or 3/4" Meter							
		0 Gallons	2,000 Gallons	3,000 Gallons [2]	4,000 Gallons	6,000 Gallons	8,000 Gallons	10,000 Gallons	15,000 Gallons
City of Edgewater, Florida									
1	Existing Rates	\$34.12	\$54.70	\$70.43	\$86.16	\$119.58	\$154.96	\$190.34	\$290.89
2	Proposed Rates - Fiscal Year 2021	36.17	57.99	74.67	91.35	126.78	164.28	201.78	308.38
Other Florida Utilities:									
3	City of Daytona Beach [3]	\$31.98	\$47.63	\$63.28	\$78.93	\$110.23	\$141.53	\$172.83	\$251.08
4	City of DeLand [4]	36.69	50.57	57.51	64.45	79.70	96.32	112.94	140.39
5	City of Deltona	35.39	74.09	93.44	112.79	158.76	212.00	265.24	301.34
6	City of Port Orange [3]	21.60	33.26	41.49	49.72	66.18	82.64	99.10	135.66
7	City of Eustis [3]	37.19	48.35	53.93	59.51	70.67	81.83	94.13	108.58
8	City of Holly Hill [5]	26.38	40.52	57.82	75.12	110.92	147.92	184.92	281.37
9	New Smyrna Beach Utilities Commission	30.26	40.26	45.26	50.57	61.19	73.25	85.31	115.46
10	City of Orange City	35.61	60.11	72.36	84.61	109.11	135.67	156.18	193.39
11	City of Ormond Beach	34.87	34.87	42.48	50.09	65.31	81.71	98.11	139.11
12	Town of Ponce Inlet	34.63	45.51	57.95	70.39	95.27	120.15	145.03	190.91
13	City of Sanford [3]	34.13	34.13	42.50	50.87	67.61	85.81	104.01	134.12
14	Seminole County [3]	37.02	49.78	56.16	62.54	75.30	88.06	100.82	136.67
15	City of South Daytona [3]	9.55	24.83	40.11	55.39	85.95	120.58	159.28	256.03
16	Volusia County - Softened [3]	37.65	55.69	64.71	73.73	92.73	112.69	132.65	178.63
17	Other Utilities' Average	\$31.64	\$45.69	\$56.36	\$67.05	\$89.21	\$112.87	\$136.47	\$183.05
18	Minimum	9.55	24.83	40.11	49.72	61.19	73.25	85.31	108.58
19	Maximum	37.65	74.09	93.44	112.79	158.76	212.00	265.24	301.34

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect January 2020 and are exclusive of taxes or franchise fees, if any, and reflect rates charged for inside the city service. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.
- [2] Reflects average usage of a typical single family residential customer with both water and wastewater service within the service area of the City of Edgewater utility system.
- [3] Utility is currently involved in a rate study, is planning to conduct a rate study, or plans to implement a rate revision or price index / pass-through adjustment within the next twelve months following the comparison preparation date.
- [4] Utility bills a separate charge, applied on a "per bill basis," regardless of type of service. Such charge has been included in the rates for water service since this is the predominant service received by utility customers.
- [5] Includes a \$3.00 renewal and replacement fee.

SECTION 2

SOLID WASTE SYSTEM



RAFTELIS

SECTION 2 – SOLID WASTE SYSTEM

Customer Growth and Revenues

Projected revenues from rates for the solid waste system were based on the schedule of solid waste and recycling rates and charges effective October 1, 2019. In order to calculate projected revenues from rates for the Forecast Period, the existing fiscal year 2020 rates were applied to the projected billing statistics. Based on discussions with City Staff, the growth projections included in this analysis recognize an average growth in customers of approximately 0.81%, or 80 accounts, per year throughout the Forecast Period, as shown in Table 2-1. Based on these assumptions, system revenues at existing rates are estimated to increase from approximately \$3.9 million to \$4.2 million per year over the Forecast Period. Other miscellaneous operating revenues are projected, on average, to be approximately \$1,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$2,300 per year as shown on Tables 2-1 and 2-2.

Operating and Maintenance Expenses

The Fiscal Year 2020 operating budget served as the basis for the operating expense projections for the remainder of the Forecast Period. Certain adjustments were made to the Fiscal Year 2020 operating budget to exclude depreciation, principal and interest payments on debt, capital expenditures, and additions to reserves, which were accounted for separately in our analysis; or in the case of depreciation, excluded as a non-cash expense. These adjustments resulted in the Fiscal Year 2020 operating budget of \$6.4 million being adjusted down to approximately \$2.9 million in cash operating expenses, as shown in Table 2-3. A contingency allowance of one percent (1.0%) of operation and maintenance expenses was recognized for unanticipated expenditures in each fiscal year. This factor was included in the analysis understanding that certain operational changes will be implemented in the future for this system. Additionally, a bad debt allowance of 0.25% of rate revenues was recognized in each fiscal year. The aforementioned allowances represent averages of approximately \$30,800 and \$10,300 annually, respectively. Operation and maintenance expenses are projected to increase by an annual average of approximately 3.2% per year from Fiscal Year 2020 operating budget levels, as shown on Table 2-4. The overall increase over the Forecast Period in projected operating expenses was based upon assumptions corresponding to several escalation factors and the nature of the expense as shown on Table 2-5. A few of the major factors are shown below:

1. Labor – 4.0% in Fiscal Year 2021 and 3.0% in Fiscal Years 2022 through 2025
2. Health Insurance – 10.0% per year
3. Consumer Price Index (CPI) – Average of 2.5% per year
4. Electricity and Fuel – 5.0% per Year

Capital Improvement Plan

The CIP utilized in this analysis was based on the Fiscal Year 2020 – 2025 CIP, as provided by City. The City's project cost estimates were based on current year dollars and therefore these amounts were escalated to account for cost inflation over the Forecast Period. The CIP includes approximately \$4.3 million to fund new larger collection vehicles (changing from 18 cubic yard trucks to 25 cubic yard trucks), new carts, other support vehicles, an allocation of the debt service associated with the new public works building, and other

ongoing capital outlay. The System's share of the Public Works Facility is anticipated to be funded from existing reserves and the financial forecast assumes that the other solid waste projects in the CIP will be fully funded through a combination of rate revenues, reserves, proposed debt, and capital leases as shown on Table 2-6.

Existing and Proposed Debt

Based on the payment schedules for the proposed capital leases, the annual lease payments to be funded from rates fully begin at approximately \$221,000 in 2021, increasing to \$340,000 by Fiscal Year 2025. Payments for the proposed leases include amounts for the new larger vehicles associated with collection process changes the City will be implementing. Payments on proposed senior debt are associated with the funding of the new carts the City will be purchasing. Proposed debt service payments are summarized on Table 2-7 found at the end of this report.

Transfers

The City transfers 5.9% of the prior year's solid waste gross revenues to the General Fund in the form of a PILOFF. This amount is funded each year of the Forecast Period and averages approximately \$222,000 annually, as shown in Table 2-8.

Cash Balances

As previously mentioned in Section 1 of this report, in Fiscal Year 2011 the City adopted Resolution No. 2011-R-20, which established a fund balance policy applying to all General Fund balances (the "Charter Reserve"). Subsequently in Fiscal Year 2016 the City adopted Resolution No. 2016-R-40, which extended the fund balance policy to all operating funds including the water, wastewater, stormwater and solid waste enterprise funds. Part of the adopted fund balance policy establishes a reserve balance target equal to 15% of the current fiscal year operating expenditures, with a maximum of 25%. If the reserve balance amount falls below targeted levels the City must begin a plan to achieve the minimum balance of 15% within five (5) years. The solid waste system is anticipated to transfer approximately \$189,000 in Fiscal Year 2020 to achieve this target. No additional transfers are assumed beyond Fiscal Year 2020. Additionally, the City also targets an operating fund cash balance of between 90 to 120 days of rate revenue for the solid waste system. By the end of the Forecast Period, the City is projected to have \$1.2 million in the operating fund, as shown in Table 2-9, which meets all internal City policy requirements and targets.

Conclusions and Recommendations

Based on the projected operating expenditure needs of the solid waste system and the projected funding plan for the CIP, it is estimated that the previously adopted rate increases will be sufficient to meet the needs of the system, as shown in Tables 2-10 through 2-12. The projected operating results set forth herein assume the adoption of proposed rate adjustments that differ significantly from the previously adopted and proposed rate adjustments. Based on the revised financial projections developed in collaboration with the City during this update the revenue requirements are materially lower than previously projected. These revised projections allow for some beneficial rate relief for the City's solid waste customers as the proposed rate adjustment for 2021 is a decrease of 12.5% percent. Subsequent annual adjustments are also projected

to be delayed and lower than previously projected. Below is a summary of the proposed rate adjustments, along with certain projected financial operating results.

Summary of Projected Rate Adjustments and Key Operating Results

Description	Fiscal Year Ending September 30,					
	2020	2021	2022	2023	2024	2025
Previously Recommended Rate Adjustments	6.0%	6.0%	6.0%	3.0%	3.0%	N/A
Proposed Solid Waste Rate Adjustments						
Collection Service	N/A [*]	-12.5%	0.0%	1.5%	2.0%	2.0%
Recycling Service	N/A [*]	0.0%	2.6%	2.5%	2.4%	2.3%
System Revenue Surplus/(Deficiency)	\$342,758	\$227,557	\$166,088	\$85,452	(\$1,649,779)	(\$222)
Operating Fund (Ending Balance)	\$2,368,413	\$2,595,970	\$2,762,058	\$2,847,510	\$1,197,731	\$1,197,509
Days of Cash (Target of 90-120 Days of Rate Revenue)	216	260	273	275	112	109
Charter Reserve Fund (Ending Balance)	\$564,757	\$565,322	\$565,887	\$566,453	\$567,019	\$567,586
Senior Lien Debt Service Coverage (Test 1.00)	N/A	10.95	10.01	9.76	9.71	9.61
Subordinate Lien Debt Service Coverage (Test 1.15)	29.91	4.00	3.63	2.58	2.57	1.98
All-In Debt Service Coverage (Target 1.50)	29.91	3.14	2.88	2.22	2.21	1.79

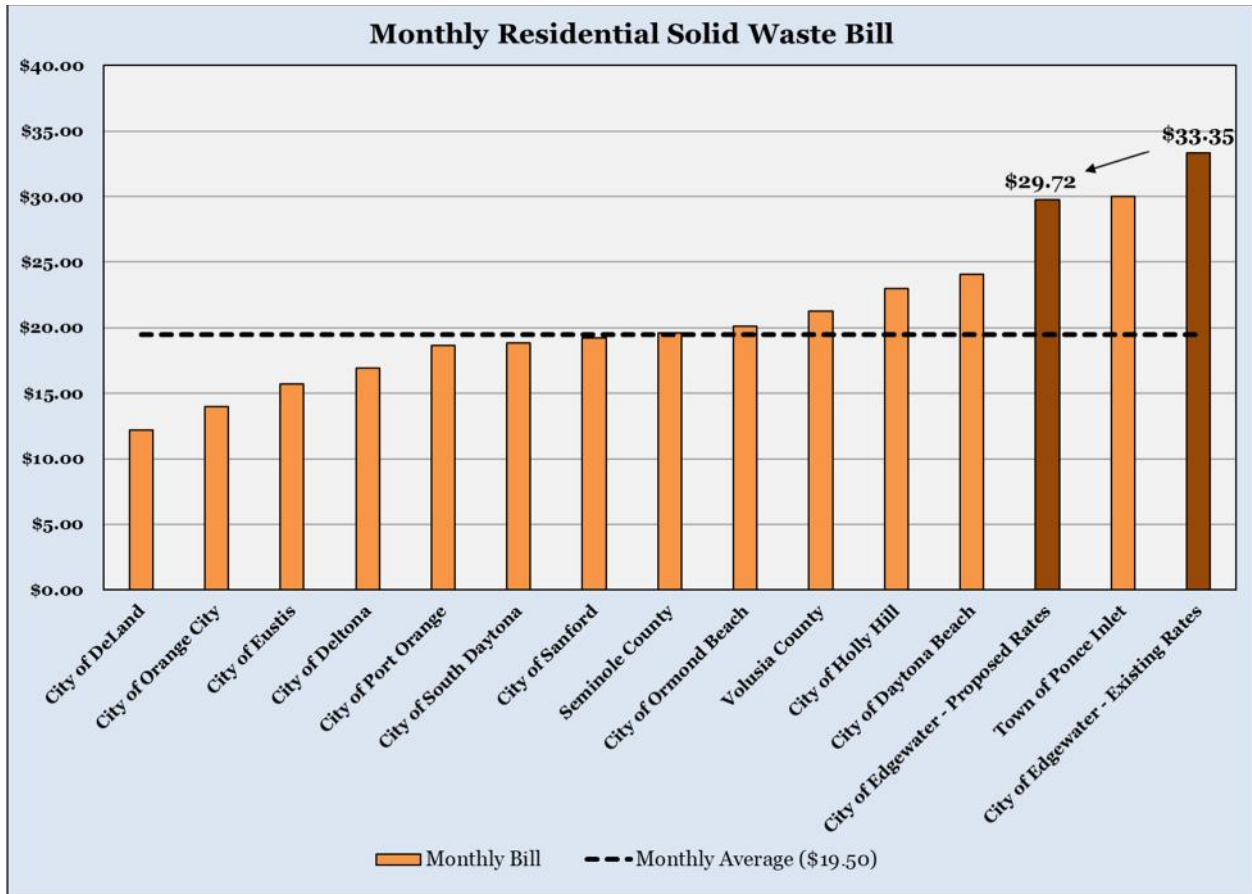
[*] Rates were adjusted in January of Fiscal Year 2020 by 6.0%.

It should be noted that this report is based on a base case analysis under the solid waste utility system's existing configuration without any major operational changes (changes in routes, number of pickups per week, etc.). The City is currently contemplating operational adjustments to save on costs moving forward. If the City begins to implement any major operational changes then the results shown above and in the supporting analytical tables of this report would need to be reevaluated and revised accordingly.

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Rate Comparison

As shown below and on Table 2-12, even after the recommended rate decrease of 12.5% in the collection rate the bills under the proposed Fiscal Year 2021 solid waste rates are still above average when compared to the surveyed, neighboring utilities' average. It should be noted that many of the comparable entities below may also be implementing rate adjustments in 2021.



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Table 2-1
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projected Collection Customers and Revenues Under Existing Rates

Line No.	Description	Historical						Fiscal Year Ending September 30,					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
COLLECTION													
<u>Residential:</u>													
1	Customer Growth	N/A	40	1	84	8	19	75	75	75	75	75	75
2	Number of Bills	110,284	110,759	110,768	111,773	111,869	112,101	113,001	113,901	114,801	115,701	116,601	117,501
3	Average Number of Customers	9,190	9,230	9,231	9,314	9,322	9,342	9,417	9,492	9,567	9,642	9,717	9,792
4	Monthly Collection Fee	\$20.15	\$20.15	\$21.96	\$23.94	\$26.09	\$27.66	\$28.70	\$29.04	\$29.04	\$29.04	\$29.04	\$29.04
5	Total Residential Collection Revenue	\$2,222,223	\$2,231,794	\$2,432,465	\$2,657,403	\$2,898,619	\$3,086,047	\$3,242,564	\$3,307,685	\$3,333,821	\$3,359,957	\$3,386,093	\$3,412,229
<u>Multi-Family:</u>													
6	Customer Growth	N/A	10	(0)	(1)	(1)	(1)	0	0	0	0	0	0
7	Number of Bills	320	436	433	427	418	411	411	411	411	411	411	411
8	Average Number of Customers	27	36	36	36	35	34	34	34	34	34	34	34
9	Number of Units	2,002	4,640	4,534	4,505	4,410	4,518	4,518	4,518	4,518	4,518	4,518	4,518
10	Monthly Collection Fee	\$20.15	\$20.15	\$21.96	\$23.94	\$26.09	\$27.66	\$28.70	\$29.04	\$29.04	\$29.04	\$29.04	\$29.04
11	Total Multi-Family Collection Revenue	\$40,340	\$93,496	\$99,567	\$107,106	\$114,268	\$124,377	\$129,644	\$131,203	\$131,203	\$131,203	\$131,203	\$131,203
<u>Commercial:</u>													
12	Customer Growth	N/A	1	3	21	(1)	2	5	5	5	5	5	5
13	Number of Bills	3,025	3,041	3,075	3,324	3,312	3,333	3,393	3,453	3,513	3,573	3,633	3,693
14	Average Number of Customers	252	253	256	277	276	278	283	288	293	298	303	308
15	Number of Units	5,587	4,052	4,079	4,326	4,310	4,040	4,113	4,185	4,258	4,331	4,404	4,476
16	Monthly Collection Fee	\$22.65	\$22.65	\$24.92	\$27.16	\$29.60	\$31.38	\$32.56	\$32.95	\$32.95	\$32.95	\$32.95	\$32.95
17	Total Commercial Collection Revenue	\$126,546	\$91,778	\$101,649	\$116,687	\$126,711	\$126,176	\$133,900	\$137,911	\$140,307	\$142,703	\$145,100	\$147,496
18	Revenue Adjustment	\$6,928	\$9,830	\$12,043	\$11,546	\$32,149	\$18,974	\$19,938	\$20,340	\$20,502	\$20,664	\$20,826	\$20,989
18	Total Collection Revenue	\$2,396,037	\$2,417,068	\$2,633,681	\$2,881,196	\$3,139,598	\$3,336,600	\$3,506,108	\$3,576,798	\$3,605,331	\$3,633,863	\$3,662,396	\$3,690,928

Table 2-1
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projected Collection Customers and Revenues Under Existing Rates

Line No.	Description	Historical						Fiscal Year Ending September 30,					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
RECYCLING													
Residential:													
19	Customer Growth	N/A	56	117	40	(14)	(8)	75	75	75	75	75	75
20	Number of Bills	110,387	111,059	112,464	112,946	112,780	112,688	113,588	114,488	115,388	116,288	117,188	118,088
21	Number of Units	N/A	N/A	9,664	9,627	9,613	9,864	9,939	10,014	10,089	10,164	10,239	10,314
22	Average Number of Customers	9,199	9,255	9,372	9,412	9,398	9,391	9,466	9,541	9,616	9,691	9,766	9,841
23	Monthly Recycling Fee	\$2.60	\$2.60	\$2.65	\$3.06	\$3.34	\$3.54	\$4.12	\$4.31	\$4.31	\$4.31	\$4.31	\$4.31
24	Subtotal Recycling Revenue	\$287,006	\$288,753	\$307,315	\$353,503	\$385,283	\$417,050	\$491,086	\$517,924	\$521,803	\$525,682	\$529,561	\$533,440
25	Total Recycling Revenue	\$287,006	\$288,753	\$307,315	\$353,503	\$385,283	\$417,050	\$491,086	\$517,924	\$521,803	\$525,682	\$529,561	\$533,440
EXTRA CANS (>3 CANS)													
26	Extra Can Growth	N/A	0	7	0	0	0	0	0	0	0	0	0
27	Number of Bills	12	12	19	19	19	19	19	19	19	19	19	19
28	Average Monthly Number of Extra Cans	2	2	9	9	9	9	9	9	9	9	9	9
29	Monthly Extra Can Fee	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00	\$3.00
30	Total Extra Cans Revenue	\$72	\$72	\$324	\$324	\$324	\$324	\$324	\$324	\$324	\$324	\$324	\$324
31	Total Rate Revenues	\$2,683,115	\$2,705,893	\$2,941,320	\$3,235,024	\$3,525,205	\$3,753,974	\$3,997,518	\$4,095,047	\$4,127,458	\$4,159,869	\$4,192,281	\$4,224,692

Table 2-2
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projected Solid Waste System Revenue Under Existing Rates [1]

Line No.	Cost Center ID Code	Description	Budgeted 2020	Adjustments	Adjusted 2020	Escalation Reference	Fiscal Year Ending September 30,				
							2021	2022	2023	2024	2025
SYSTEM REVENUES											
1	447-0000-343.41-10	Refuse Collection - Residential / Non-Residential	\$3,190,206	\$316,226	\$3,506,432	Input	\$3,577,122	\$3,605,655	\$3,634,187	\$3,662,720	\$3,691,252
2	447-0000-343.42-10	Recycling	390,898	100,188	491,086	Input	517,924	521,803	525,682	529,561	533,440
3	447-0000-361.10-10	Interest	5,000	(5,000)	0	Eliminate	0	0	0	0	0
4	447-0000-364.42-10	Insurance Proceeds	0	0	0	Eliminate	0	0	0	0	0
5	447-0000-365.10-00	Sale of Surplus	5,000	(5,000)	0	Eliminate	0	0	0	0	0
6	447-0000-369.90-00	Other Miscellaneous Revenue	0	0	0	Inflation	0	0	0	0	0
7	447-0000-369.90-10	Miscellaneous Revenue	1,000	0	1,000	Constant	1,000	1,000	1,000	1,000	1,000
8	447-0000-369.90-20	Retirement Forfeitures	0	0	0	Eliminate	0	0	0	0	0
9	447-0000-384.01-00	Proceeds from Long-Term Debt	2,590,000	(2,590,000)	0	Eliminate	0	0	0	0	0
10	447-0000-384.17-01	Capital Improvement Note 2017	0	0	0	Eliminate	0	0	0	0	0
11	447-0000-389.90-12	Unreserved Proprietary	247,744	(247,744)	0	Eliminate	0	0	0	0	0
12	TOTAL SYSTEM REVENUES		<u>\$6,429,848</u>	<u>(\$2,431,330)</u>	<u>\$3,998,518</u>		<u>\$4,096,047</u>	<u>\$4,128,458</u>	<u>\$4,160,869</u>	<u>\$4,193,281</u>	<u>\$4,225,692</u>

Footnotes:

[1] Budgeted amounts shown are based on the Fiscal Year 2020 Adopted Operating Budget.

Table 2-3
City of Edgewater, Florida
Solid Waste Utility Rate Study

Fiscal Year 2020 Adopted Budget [1]

Line No.	Cost Center ID Code	Description	Budget 2020	Adjustments	Adjusted 2020
Solid Waste Utility Operating Expenses					
Environmental Services					
Refuse Department - 4060					
<u>Personnel Services:</u>					
1	447-4060-534.12-10	Regular Salaries and Wages	\$736,337	(\$125,000)	\$611,337
2	AddPer	Additional Personnel	0	0	0
3	447-4060-534.12-20	DC ICMA	0	0	0
4	447-4060-534.14-10	Overtime	38,126	0	38,126
5	447-4060-534.15-30	Cell Phone	0	0	0
6	447-4060-534.15-60	Boot Allowance	3,250	0	3,250
7	447-4060-534.21-10	FICA	42,614	0	42,614
8	447-4060-534.21-20	Medicare	9,966	0	9,966
9	447-4060-534.22-10	Retirement Contributions	0	0	0
10	447-4060-534.22-20	DCSE	80,201	0	80,201
11	447-4060-534.23-10	Life Insurance	3,048	0	3,048
12	447-4060-534.23-20	Group Medical Insurance	272,183	(\$89,249)	182,934
13	447-4060-534.23-21	HSA Employer Contribution	16,550	0	16,550
14	447-4060-534.23-22	HRA Employer Contribution	2,500	0	2,500
15	447-4060-534.2330	Dental Insurance	5,390	0	5,390
16	447-4060-534.23-40	Long-Term Disability	5,565	0	5,565
17	447-4060-534.23-60	Broker & Admin Fees	5,485	0	5,485
18	447-4060-534.23-90	Other Post Employment Benefits (OPEB)	0	0	0
19	447-4060-534.24-10	Worker's Compensation	35,563	0	35,563
20		Total Personnel Services	<u>\$1,256,778</u>	<u>(\$214,249)</u>	<u>\$1,042,529</u>
<u>Operating Expenses:</u>					
21	447-4060-534.31-10	Professional Services	\$10,000	\$35,000	\$45,000
22	447-4060-534.34-10	Other Contractual Services	540,153	(\$520,000)	20,153
23	447-4060-534.34-10	Volusia County Landfill	0	420,000	420,000
24	447-4060-534.34-10	Cloer & Sons / Green Waste Disposal	0	100,000	100,000
25	447-4060-534.40-10	Travel and Per Diem	0	0	0
26	447-4060-534.41-10	Telephone	0	0	0
27	447-4060-534.41-30	Legal Ads	0	0	0
28	447-4060-534.41-40	Postage	12,000	0	12,000
29	447-4060-534.43-10	Electric	1,957	0	1,957
30	447-4060-534.43.30	Water / Sewer / Trash	4,695	0	4,695
31	447-4060-534.44-10	Rent	100	0	100
32	447-4060-534.46-10	Repair & Maintenance	2,000	0	2,000
33	447-4060-534.46-20	Fleet Charges	171,016	0	171,016
34	447-4060-534.47-10	Printing & Binding	2,000	0	2,000
35	447-4060-534.48-10	Promotional Activities	6,050	0	6,050
36	447-4060-534.49-01	Cost Allocation	241,789	0	241,789
37	447-4060-534.49-10	Other Charges / Obligations	2,400	0	2,400
38	447-4060-534.49-20	Bank Charges	0	0	0
39	447-4060-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	202,607	(202,607)	0
40	447-4060-534.52-10	Operating Supplies	20,000	0	20,000
41	447-4060-534.52-20	Fuel (Unleaded & Diesel)	125,000	0	125,000
42	447-4060-534.52-30	Uniforms	6,900	0	6,900
43	447-4060-534.54-10	Books, Publications, Subscriptions, & Memberships	0	0	0
44	447-4060-534.54-20	Educational Development	5,500	0	5,500
45		Total Operating Expenses	<u>\$1,354,167</u>	<u>(\$167,607)</u>	<u>\$1,186,560</u>
46		Total Refuse Department - 4060	<u>\$2,610,945</u>	<u>(\$381,856)</u>	<u>\$2,229,089</u>

Table 2-3
City of Edgewater, Florida
Solid Waste Utility Rate Study

Fiscal Year 2020 Adopted Budget [1]

Line No.	Cost Center ID Code	Description	Budget 2020	Adjustments	Adjusted 2020
Recycling Department - 4065					
<u>Operating Expenses:</u>					
47	447-4065-534.34-10	Other Contractual Services	\$370,000	\$121,086	\$491,086
48	447-4065-534.47-10	Printing & Binding	0	0	0
49	447-4065-534.48-10	Promotional Activities	0	0	0
50	447-4065-534.49-01	Cost Allocation	8,602	0	8,602
51	447-4065-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	8,684	(8,684)	0
52		Total Operating Expenses	<u>\$387,286</u>	<u>\$112,402</u>	<u>\$499,688</u>
53		Total Recycling Department - 4065	<u>\$387,286</u>	<u>\$112,402</u>	<u>\$499,688</u>
54		Total Environmental Services	<u>\$2,998,231</u>	<u>(\$269,454)</u>	<u>\$2,728,777</u>
Non-Departmental - 5555					
<u>Operating Expenses:</u>					
55	447-5555-580.22-10	Retirement Contributions	\$114,683	\$0	\$114,683
56	447-5555-580.23-80	PTO Expense	0	0	0
57	447-5555-580.31-10	Professional Services	7,089	0	7,089
58	447-5555-580.45-10	General Liability	5,500	0	5,500
59	447-5555-580.45-15	Property [3]	11,065	(11,065)	0
60	447-5555-580.45-20	Public Officials	4,432	0	4,432
61	447-5555-580.45-25	Automobile [3]	5,554	(5,554)	0
62	447-5555-580.49-50	Write Off	0	0	0
63	447-5555-580.49-60	Hurricane Charges	0	0	0
64	447-5555-580.59-10	Depreciation	0	0	0
65	447-5555-580.61-10	Land [3]	0	0	0
66	447-5555-580.64-10	Machinery & Equipment [3]	1,100,000	(1,100,000)	0
67	447-5555-580.64-20	Motor Vehicles [3]	1,490,000	(1,490,000)	0
68	447-5555-581.04-40	Water Sewer	0	0	0
69	447-5555-581.04-50	Public Works Complex - Capital [3]	280,000	(280,000)	0
70	447-5555-581.10-01	MIS [3]	0	0	0
71	447-5555-581.10-01	General Fund	0	0	0
72	447-5555-589.10-01	Current Year Unreserved	0	0	0
73	447-5555-589.50-50	Charter Reserve/Stabilization	413,294	(413,294)	0
74		Total Operating Expenses	<u>\$3,431,617</u>	<u>(\$3,299,913)</u>	<u>\$131,704</u>
75		Total Non-Departmental - 5555	<u>\$3,431,617</u>	<u>(\$3,299,913)</u>	<u>\$131,704</u>

Table 2-3
City of Edgewater, Florida
Solid Waste Utility Rate Study

Fiscal Year 2020 Adopted Budget [1]

Line No.	Cost Center ID Code	Description	Budget 2020	Adjustments	Adjusted 2020
Miscellaneous Adjustments					
76	Contingency	Contingency - 1.00% of O&M [4]	\$0	\$28,605	\$28,605
77	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [5]	0	9,994	9,994
		Budgetary Adjustment - Actual to Budget	0	0	0
78	Assessment	Tax Collector Expense (Assessment Billing)	0	0	0
79		TOTAL OPERATING EXPENSES	<u>\$6,429,848</u>	<u>(\$3,530,769)</u>	<u>\$2,899,079</u>

Footnotes:

- [1] Budgeted amounts shown are based on the Fiscal Year 2020 Adopted Operating Budget with certain adjustments as provided by the City.
- [2] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. These items have been adjusted from the budget and are accounted for in the summary of Revenue Requirements later in the rate model.
- [3] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [4] A contingency of 1.00% of O&M was added to allow for unforeseen contingencies.
- [5] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible accounts.

**Table 2-4
City of Edgewater, Florida
Solid Waste Utility Rate Study**

Projection of Solid Waste Operating Expenses

Line No.	Cost Center ID Code	Description	Adjusted 2020	Escalation Reference	Fiscal Year Ending September 30,				
					2021	2022	2023	2024	2025
Solid Waste Utility Operating Expenses									
Environmental Services									
Refuse Department - 4060									
<u>Personnel Services:</u>									
1	447-4060-534.12-10	Regular Salaries and Wages	\$611,337	Labor	\$635,790	\$654,864	\$674,510	\$694,745	\$715,588
2	AddPer	Additional Personnel	0	Input	36,750	37,853	38,988	40,158	41,362
3	447-4060-534.12-20	DC ICMA	0	Labor	0	0	0	0	0
4	447-4060-534.14-10	Overtime	38,126	Labor	19,826	20,420	21,033	21,664	22,314
5	447-4060-534.15-30	Cell Phone	0	Inflation	0	0	0	0	0
6	447-4060-534.15-60	Boot Allowance	3,250	Inflation	3,331	3,418	3,503	3,587	3,670
7	447-4060-534.21-10	FICA	42,614	Labor	35,678	36,749	37,851	38,987	40,156
8	447-4060-534.21-20	Medicare	9,966	Health-Ins	8,343	9,178	10,096	11,105	12,216
9	447-4060-534.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
10	447-4060-534.22-20	DCSE	80,201	Labor	69,053	71,125	73,259	75,457	77,720
11	447-4060-534.23-10	Life Insurance	3,048	General-Ins	2,574	2,703	2,838	2,980	3,129
12	447-4060-534.23-20	Group Medical Insurance	182,934	Health-Ins	196,341	215,975	237,573	261,330	287,463
13	447-4060-534.23-21	HSA Employer Contribution	16,550	Labor	17,212	17,728	18,260	18,808	19,372
14	447-4060-534.23-22	HRA Employer Contribution	2,500	Labor	2,600	2,678	2,758	2,841	2,926
15	447-4060-534.23-23	Dental Insurance	5,390	Health-Ins	5,929	6,522	7,174	7,891	8,681
16	447-4060-534.23-24	Long-Term Disability	5,565	Marginal	4,662	4,699	4,699	4,746	4,793
17	447-4060-534.23-25	Broker & Admin Fees	5,485	Health-Ins	6,034	6,637	7,301	8,031	8,834
18	447-4060-534.23-90	Other Post Employment Benefits (OPEB)	0	Labor	0	0	0	0	0
19	447-4060-534.24-10	Worker's Compensation	35,563	Labor	34,676	35,717	36,788	37,892	39,029
20		Total Personnel Services	\$1,042,529		\$1,078,745	\$1,126,218	\$1,176,630	\$1,230,221	\$1,287,252
<u>Operating Expenses:</u>									
21	447-4060-534.31-10	Professional Services	\$45,000	Contractual	\$11,800	\$12,272	\$12,763	\$13,273	\$13,804
22	447-4060-534.34-10	Other Contractual Services	20,153	Contractual	20,959	21,797	22,669	23,576	24,519
23	447-4060-534.34-10	Volusia County Landfill	420,000	Cust-Growth	423,345	426,690	430,035	433,380	436,726
24	447-4060-534.34-10	Cloer & Sons / Green Waste Disposal	100,000	Growth+Infl	103,316	106,840	110,370	113,898	117,417
25	447-4060-534.40-10	Travel and Per Diem	0	Inflation	0	0	0	0	0
26	447-4060-534.41-10	Telephone	0	Inflation	0	0	0	0	0
27	447-4060-534.41-30	Legal Ads	0	Inflation	0	0	0	0	0
28	447-4060-534.41-40	Postage	12,000	Inflation	12,300	12,620	12,935	13,246	13,550
29	447-4060-534.43-10	Electric	1,957	Electricity	2,055	2,158	2,265	2,379	2,498
30	447-4060-534.43-30	Water / Sewer / Trash	4,695	Inflation	4,812	4,937	5,061	5,182	5,302
31	447-4060-534.44-10	Rent	100	Inflation	103	105	108	110	113
32	447-4060-534.46-10	Repair & Maintenance	2,000	Repair	2,060	2,122	2,185	2,251	2,319
33	447-4060-534.46-20	Fleet Charges	171,016	Repair	176,146	181,431	186,874	192,480	198,254
34	447-4060-534.47-10	Printing & Binding	2,000	Inflation	2,050	2,103	2,156	2,208	2,258
35	447-4060-534.48-10	Promotional Activities	6,050	Inflation	6,201	6,362	6,522	6,678	6,832
36	447-4060-534.49-01	Cost Allocation	241,789	Labor	251,461	259,004	266,775	274,778	283,021
37	447-4060-534.49-10	Other Charges / Obligations	2,400	Inflation	2,460	2,524	2,587	2,649	2,710
38	447-4060-534.49-20	Bank Charges	0	Inflation	0	0	0	0	0
39	447-4060-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	0	Eliminate	0	0	0	0	0
40	447-4060-534.52-10	Operating Supplies	20,000	Inflation	20,500	21,033	21,559	22,076	22,584
41	447-4060-534.52-20	Fuel (Unleaded & Diesel)	125,000	Fuel	131,250	137,813	144,703	151,938	159,535
42	447-4060-534.52-30	Uniforms	6,900	Inflation	7,073	7,256	7,438	7,616	7,791
43	447-4060-534.54-10	Books, Publications, Subscriptions, & Memberships	0	Inflation	0	0	0	0	0
44	447-4060-534.54-20	Educational Development	5,500	Inflation	5,638	5,784	5,929	6,071	6,211
45		Total Operating Expenses	\$1,186,560		\$1,183,529	\$1,212,853	\$1,242,933	\$1,273,790	\$1,305,444
46		Total Refuse Department - 4060	\$2,229,089		\$2,262,273	\$2,339,071	\$2,419,564	\$2,504,012	\$2,592,696
Recycling Department - 4065									
<u>Operating Expenses:</u>									
47	447-4065-534.34-10	Other Contractual Services	\$491,086	Rec-Growth	\$507,372	\$524,677	\$542,010	\$559,336	\$576,617
48	447-4065-534.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
49	447-4065-534.48-10	Promotional Activities	0	Inflation	0	0	0	0	0
50	447-4065-534.49-01	Cost Allocation	8,602	Labor	8,946	9,214	9,491	9,776	10,069
51	447-4065-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	0	Eliminate	0	0	0	0	0
52		Total Operating Expenses	\$499,688		\$516,318	\$533,892	\$551,501	\$569,111	\$586,686
53		Total Recycling Department - 4065	\$499,688		\$516,318	\$533,892	\$551,501	\$569,111	\$586,686
54		Total Environmental Services	\$2,728,777		\$2,778,591	\$2,872,962	\$2,971,065	\$3,073,123	\$3,179,382
Non-Departmental - 5555									
<u>Operating Expenses:</u>									
55	447-5555-580.22-10	Retirement Contributions	\$114,683	Benefits	\$120,417	\$126,438	\$132,760	\$139,398	\$146,368
56	447-5555-580.23-80	PTO Expense	0	Labor	0	0	0	0	0
57	447-5555-580.31-10	Professional Services	7,089	Labor	7,373	7,594	7,822	8,056	8,298
58	447-5555-580.45-10	General Liability	5,500	General-Ins	5,775	6,064	6,367	6,685	7,020

Table 2-4
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projection of Solid Waste Operating Expenses

Line No.	Cost Center ID Code	Description	Adjusted 2020	Escalation Reference	Fiscal Year Ending September 30,				
					2021	2022	2023	2024	2025
59	447-5555-580.45-15	Property	0	Eliminate	0	0	0	0	0
60	447-5555-580.45-20	Public Officials	4,432	Labor	4,609	4,748	4,890	5,037	5,188
61	447-5555-580.45-25	Automobile	0	Eliminate	0	0	0	0	0
62	447-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
63	447-5555-580.49-50	Hurricane Charges	0	Eliminate	0	0	0	0	0
64	447-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
65	447-5555-580.61-10	Land	0	Eliminate	0	0	0	0	0
66	447-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
67	447-5555-581.04-40	Water Sewer	0	Eliminate	0	0	0	0	0
68	447-5555-581.04-50	Public Works Complex	0	Eliminate	0	0	0	0	0
69	447-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
70	447-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
71	447-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
72	447-5555-589.50-50	Charter Reserve/Stabalization	0	Eliminate	0	0	0	0	0
73		Total Operating Expenses	\$131,704		\$138,174	\$144,843	\$151,838	\$159,176	\$166,873
74		Total Non-Departmental - 5555	\$131,704		\$138,174	\$144,843	\$151,838	\$159,176	\$166,873
		Miscellaneous Adjustments							
75	Contingency	Contingency - 1.00% of O&M [4]	\$28,605	Input	\$29,168	\$30,178	\$31,229	\$32,323	\$33,463
76	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [5]	9,994	Input	10,238	10,319	10,400	10,481	10,562
77	Other	Other Adjustment	0	Input	0	0	0	0	0
78		TOTAL OPERATING EXPENSES	<u>\$2,899,079</u>		<u>\$2,956,171</u>	<u>\$3,058,302</u>	<u>\$3,164,532</u>	<u>\$3,275,103</u>	<u>\$3,390,279</u>

Footnotes:

- [1] Budgeted amounts shown are based on the Fiscal Year 2020 Adopted Operating Budget as provided by the City.
- [2] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. This items has been adjusted from the budget and are accounted for in the summary of Revenue Requirements later in the rate model.
- [3] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [4] A contingency of 1.00% of O&M was added to allow for unforeseen contingencies.
- [5] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible accounts.

Table 2-5
City of Edgewater, Florida
Solid Waste Utility Rate Study

Summary of Projected Escalation Factors

Line No.	Description	Escalation Reference	Fiscal Year Ending September 30,				
			2021	2022	2023	2024	2025
1	General Inflation (CPI) [1][2]	Inflation	1.0250	1.0260	1.0250	1.0240	1.0230
2	Labor [2]	Labor	1.0400	1.0300	1.0300	1.0300	1.0300
3	Benefits [2]	Benefits	1.0500	1.0500	1.0500	1.0500	1.0500
4	Health Insurance [2]	Health-Ins	1.1000	1.1000	1.1000	1.1000	1.1000
5	Contractual Services	Contractual	1.0400	1.0400	1.0400	1.0400	1.0400
6	Professional Services	Professional	1.0400	1.0400	1.0400	1.0400	1.0400
7	Electricity	Electricity	1.0500	1.0500	1.0500	1.0500	1.0500
8	General Insurance [2]	General-Ins	1.0500	1.0500	1.0500	1.0500	1.0500
9	Repair and Maintenance	Repair	1.0300	1.0300	1.0300	1.0300	1.0300
10	Fuel	Fuel	1.0500	1.0500	1.0500	1.0500	1.0500
11	Constant	Constant	1.0000	1.0000	1.0000	1.0000	1.0000
12	Eliminate	Eliminate	0.0000	0.0000	0.0000	0.0000	0.0000
13	Marginal	Marginal	1.0100	1.0100	1.0100	1.0100	1.0100
14	Decline	Decline	0.9500	0.9500	0.9500	0.9500	0.9500
15	Customer Growth	Cust-Growth	1.0080	1.0079	1.0078	1.0078	1.0077
16	Customer Growth + Inflation	Growth+Infl	1.0332	1.0341	1.0330	1.0320	1.0309
17	Workers' Compensation	WorkComp	1.0300	1.0300	1.0300	1.0300	1.0300
18	Recycling Rate	Recycling	1.0250	1.0260	1.0250	1.0240	1.0230
19	Recycling Rate + Growth	Rec-Growth	1.0332	1.0341	1.0330	1.0320	1.0309

Footnotes:

- [1] Estimated based on projections from "Budget and Economic Outlook: 2020 to 2030", published by the Congressional Budget Office in January 2020.
- [2] Based on discussions with City staff.

Table 2-6
City of Edgewater, Florida
Solid Waste Utility Rate Study

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Reference	Funding Source	Adjusted 2020	Fiscal Year Ending September 30,					6-Year Total
					2021	2022	2023	2024	2025	
<u>CIP Escalation Factor Alternatives</u>										
<u>General Project Escalators</u>										
1	Inflation (CPI)	Inflation		1.000	1.025	1.052	1.078	1.104	1.129	
2	No Assumed Escalation (0.0% per Year)	None		1.000	1.000	1.000	1.000	1.000	1.000	
3	Capital Outlay (3.5% per Year)	Outlay		1.000	1.035	1.070	1.110	1.150	1.190	
4	ENR Index Average (3.0% per Year)	ENR		1.000	1.030	1.060	1.090	1.120	1.150	
5	Marginal Increase (1.0% per Year)	Marginal		1.000	1.010	1.020	1.030	1.040	1.050	
6	High Increase (5.0% per Year)	High		1.000	1.050	1.100	1.160	1.220	1.280	
CAPITAL IMPROVEMENT PLAN										
7	Vehicles (Garbage Trucks)	Inflation	Sub.1	\$891,766	\$0	\$0	\$0	\$0	\$0	\$891,766
8	Vehicles (Garbage Trucks) (Split Funding)	Inflation	Sub.2	0	0	0	323,400	0	0	323,400
9	Vehicles (Garbage Trucks) (Split Funding)	Inflation	Sub.3	0	0	0	0	0	338,700	338,700
10	Long Bed Pick-up Truck	Outlay	Rates	25,000	0	0	0	0	0	25,000
11	Public Works Building	ENR	Rates	280,000	0	0	0	1,724,800	0	2,004,800
12	Carts	None	Senior1	0	500,000	0	0	0	0	500,000
13	Subtotal Capital Improvement Plan			\$1,196,766	\$500,000	\$0	\$323,400	\$1,724,800	\$338,700	\$4,083,666
14	Capital Outlay	Outlay	Rates	\$16,619	\$31,050	\$31,050	\$32,100	\$33,300	\$34,500	\$178,619
15	TOTAL CAPITAL IMPROVEMENT PLAN			\$1,213,385	\$531,050	\$31,050	\$355,500	\$1,758,100	\$373,200	\$4,262,285
FUNDING SOURCES										
16	Rate Revenue		Rates	\$321,619	\$31,050	\$31,050	\$32,100	\$1,758,100	\$34,500	\$2,208,419
17	Additional Subordinate Lien Debt 1		Sub.1	891,766	0	0	0	0	0	891,766
18	Additional Subordinate Lien Debt 2		Sub.2	0	0	0	323,400	0	0	323,400
19	Additional Subordinate Lien Debt 3		Sub.3	0	0	0	0	0	338,700	338,700
20	Additional Subordinate Lien Debt 4		Sub.4	0	0	0	0	0	0	0
21	Other		Other	0	0	0	0	0	0	0
22	TOTAL FUNDING SOURCES			\$1,213,385	\$531,050	\$31,050	\$355,500	\$1,758,100	\$373,200	\$4,262,285

Footnotes:

[1] Original amounts as provided by staff and adjusted for inflation.

Table 2-7
City of Edgewater, Florida
Solid Waste Utility Rate Study

Summary of Debt Service Payments - Sinking Fund Basis

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
Solid Waste System							
<u>Proposed Senior Lien Debt:</u>							
1	Additional Senior Lien Debt 1	\$0	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495
	Total Proposed Senior Lien Debt Service Payments	\$0	\$63,495	\$63,495	\$63,495	\$63,495	\$63,495
<u>Proposed Junior Lien Debt:</u>							
2	Additional Subordinate Lien Debt 1	\$36,826	\$158,002	\$157,446	\$157,854	\$157,208	\$157,526
3	Additional Subordinate Lien Debt 2	0	0	0	57,895	57,895	57,895
4	Additional Subordinate Lien Debt 3	0	0	0	0	0	61,351
5	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
6	Total Proposed Junior Lien Debt Service Payments	\$36,826	\$158,002	\$157,446	\$215,749	\$215,103	\$276,772
7	Total Solid Waste Debt Service Payments	\$36,826	\$221,497	\$220,941	\$279,243	\$278,597	\$340,267

Table 2-8
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projection of Interfund Transfers

Line No.	Description	Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
Payment in Lieu of Franchise Fees (PILOFF) [1]							
1	Current Year Collection Revenue	\$3,506,108	\$3,129,699	\$3,154,664	\$3,227,325	\$3,317,718	\$3,410,437
2	Current Year Recycling Revenue	491,086	517,924	535,370	552,834	570,279	587,669
3	Total Rate Revenue	\$3,997,194	\$3,647,623	\$3,690,034	\$3,780,158	\$3,887,997	\$3,998,105
4	Payment In Lieu of Franchise Fees Factor (% of Revenue)	5.29%	5.90%	5.90%	5.90%	5.90%	5.90%
5	Payment in Lieu of Franchise Fee Amount	\$211,291	\$215,210	\$217,712	\$223,029	\$229,392	\$235,888
6	Collection Allocation	95.89%	95.89%	95.89%	95.89%	95.89%	95.89%
7	Recycling Allocation	4.11%	4.11%	4.11%	4.11%	4.11%	4.11%
8	Solid Waste Payment in Lieu of Franchise Fees (PILOFF) Transfer	\$202,607	\$206,365	\$208,764	\$213,863	\$219,964	\$226,193
9	Recycling Payment in Lieu of Franchise Fees (PILOFF) Transfer	8,684	8,845	8,948	9,167	9,428	9,695
10	Annual Payment in Lieu of Franchise Fees (PILOFF) Transfers	\$211,291	\$215,210	\$217,712	\$223,029	\$229,392	\$235,888
Charter Reserve Transfer							
11	Total Charter Reserve Transfer	\$189,147	\$0	\$0	\$0	\$0	\$0
12	Total Interfund Transfers	\$400,438	\$215,210	\$217,712	\$223,029	\$229,392	\$235,888

Footnotes:

[1] Amounts reflect Fund Transfers budgeted in the Fiscal Year 2020 Operating Budget.

Table 2-9
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projection of Ending Cash Balances and Interest Income

Line No.	Description	Investment Reference		Projected Fiscal Year Ending September 30,					
		Cash Balance	Interest Income	2020	2021	2022	2023	2024	2025
<u>Year End Cash Balances Roll-Up:</u>									
1	Solid Waste Operating Fund (447)	(U)	(U)	\$2,368,413	\$2,595,970	\$2,762,058	\$2,847,510	\$1,197,731	\$1,197,509
2	Charter Reserve Fund	(U)	(U)	564,757	565,322	565,887	566,453	567,019	567,586
3	Total Ending Cash Balances			\$2,933,170	\$3,161,292	\$3,327,945	\$3,413,962	\$1,764,750	\$1,765,095
Solid Waste Operating Fund (447)									
4	Beginning Balance			\$2,020,654	\$2,368,413	\$2,595,970	\$2,762,058	\$2,847,510	\$1,197,731
5	Transfers In - Revenue Requirements			3,997,194	3,647,623	3,690,034	3,780,158	3,887,997	3,998,105
6	Transfers In - Debt Proceeds			0	0	0	0	0	0
7	Transfers In - Sale of Surplus			5,000	0	0	0	0	0
8	Transfers In - Public Works and Transfer Stations			0	0	0	0	0	0
9	Transfers In - Operating Transfer			0	0	0	0	0	0
10	Transfers In - Debt Service Reserve			0	0	0	0	0	0
11	Transfers Out - Revenue Requirements			3,654,435	3,420,066	3,523,947	3,694,706	5,537,776	3,998,328
12	Transfers Out - Capital Improvements			0	0	0	0	0	0
13	Transfers Out - R&R Fund			0	0	0	0	0	0
14	Transfers Out - Public Works and Transfer Stations			0	0	0	0	0	0
15	Transfers Out - Operating Transfer			0	0	0	0	0	0
16	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
17	Interest Income		(U)	\$2,195	\$2,482	\$2,679	\$2,805	\$2,023	\$1,198
18	Recognition of Interest Income in Revenue Requirements			\$2,195	\$2,482	\$2,679	\$2,805	\$2,023	\$1,198
19	Ending Balance	(U)		\$2,368,413	\$2,595,970	\$2,762,058	\$2,847,510	\$1,197,731	\$1,197,509
20	Target Days of Available Cash: 60 Days of Rate Revenue			657,073	599,609	606,581	621,396	639,123	657,223
21	Calculated Days of Available Cash (Revenue)			216	260	273	275	112	109
Charter Reserve Fund									
22	Beginning Balance			\$375,609	\$564,757	\$565,322	\$565,887	\$566,453	\$567,019
23	Transfers In - Annual Operations			189,147	0	0	0	0	0
24	Transfers Out - CIP			0	0	0	0	0	0
25	Transfers Out			0	0	0	0	0	0
26	Interest Rate			0.00%	0.10%	0.10%	0.10%	0.10%	0.10%
27	Interest Income		(R)	\$0	\$565	\$565	\$566	\$566	\$567
28	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
29	Ending Balance	(R)		\$564,757	\$565,322	\$565,887	\$566,453	\$567,019	\$567,586
Debt Service Sinking Fund									
30	Annual Debt Service Payment			\$36,826	\$221,497	\$220,941	\$279,243	\$278,597	\$340,267
31	Average Balance	(R)		9,207	55,374	55,235	69,811	69,649	85,067
32	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
33	Interest Income		(U)	\$9	\$55	\$55	\$70	\$70	\$85
34	Recognition of Interest Income in Revenue Requirements			\$9	\$55	\$55	\$70	\$70	\$85
<u>Interest Income:</u>									
35	Unrestricted Interest Income		(U)	\$2,204	\$2,538	\$2,734	\$2,875	\$2,092	\$1,283
36	Restricted Interest Income		(R)	0	565	565	566	566	567
37	Total Interest Income			<u>\$2,204</u>	<u>\$3,102</u>	<u>\$3,300</u>	<u>\$3,440</u>	<u>\$2,659</u>	<u>\$1,850</u>

Table 2-10
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projected Solid Waste System Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
<u>Operating Expenses [1]</u>							
1	Total Operating Expenses	\$2,899,079	\$2,956,171	\$3,058,302	\$3,164,532	\$3,275,103	\$3,390,279
<u>Debt Service Payments: [2]</u>							
2	Additional Junior Lien Debt 1	\$36,826	\$158,002	\$157,446	\$157,854	\$157,208	\$157,526
3	Additional Junior Lien Debt 2	0	0	0	57,895	57,895	57,895
4	Additional Junior Lien Debt 3	0	0	0	0	0	61,351
5	Additional Junior Lien Debt 4	0	0	0	0	0	0
6	Total Proposed Debt Service Payments	\$36,826	\$221,497	\$220,941	\$279,243	\$278,597	\$340,267
7	Total Debt Service Payments	\$36,826	\$221,497	\$220,941	\$279,243	\$278,597	\$340,267
<u>Other Revenue Requirements:</u>							
8	Transfers to General Fund - PILOFF [4]	\$211,291	\$215,210	\$217,712	\$223,029	\$229,392	\$235,888
9	Transfer to Charter Reserve Fund [5]	189,147	0	0	0	0	0
10	Other Capital Funded from Rates [6]	321,619	31,050	31,050	32,100	1,758,100	34,500
11	Transfer to Operating Reserves	0	0	0	0	0	0
12	Total Other Revenue Requirements	\$722,057	\$246,260	\$248,762	\$255,129	\$1,987,492	\$270,388
13	Gross Revenue Requirements	\$3,657,963	\$3,423,927	\$3,528,005	\$3,698,905	\$5,541,192	\$4,000,934
<u>Less Income and Funds from Other Sources:</u>							
14	Other Operating Revenue	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000	\$1,000
15	Extra Can Revenue	324	324	324	324	324	324
16	Interest Income [7]	2,204	2,538	2,734	2,875	2,092	1,283
17	Transfer from Operating Reserves	0	0	0	0	0	0
18	Total Other Revenues	\$3,528	\$3,862	\$4,058	\$4,199	\$3,416	\$2,607
19	Net Revenue Requirements	\$3,654,435	\$3,420,066	\$3,523,947	\$3,694,706	\$5,537,776	\$3,998,328
<u>Revenue from Solid Waste Rates:</u>							
20	Collection Revenue	\$3,506,108	\$3,576,798	\$3,605,331	\$3,633,863	\$3,662,396	\$3,690,928
21	Prior Year Rate Adjustments	0	0	(450,666)	(454,233)	(409,731)	(347,362)
22	Collection Revenue Before Current Year Adjustments	\$3,506,108	\$3,576,798	\$3,154,664	\$3,179,630	\$3,252,665	\$3,343,565
23	Recycling Revenue	\$491,086	\$517,924	\$521,803	\$525,682	\$529,561	\$533,440
24	Prior Year Rate Adjustments	0	0	0	13,668	27,352	41,016
25	Recycling Revenue Before Current Year Adjustments	\$491,086	\$517,924	\$521,803	\$539,350	\$556,913	\$574,456
26	Total Rate Revenue Before Current Year Adjustment	\$3,997,194	\$4,094,723	\$3,676,468	\$3,718,980	\$3,809,578	\$3,918,022
27	Revenue Surplus / (Deficiency)	342,758	674,657	152,521	24,274	(1,728,198)	(80,306)
28	Percent of Current Year Rate Revenue	8.57%	16.48%	4.15%	0.65%	-45.36%	-2.05%

Table 2-10
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projected Solid Waste System Revenue Requirements

Line No.	Description	Projected Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
<u>Current Year Rate Adjustments - Collection</u>							
29	Current Year Rate Adjustment	0.00%	-12.50%	0.00%	1.50%	2.00%	2.00%
30	Effective Month	Jul.	Oct.	Oct.	Oct.	Oct.	Oct.
31	% of Current Year Effective	25.00%	100.00%	100.00%	100.00%	100.00%	100.00%
32	Total Revenue from Current Year Adjustments	\$0	(\$447,100)	\$0	\$47,694	\$65,053	\$66,871
<u>Current Year Rate Adjustments - Recycling</u>							
33	Current Year Rate Adjustment	0.00%	0.00%	2.60%	2.50%	2.40%	2.30%
34	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
35	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
36	Total Revenue from Current Year Adjustments	\$0	\$0	\$13,567	\$13,484	\$13,366	\$13,212
37	Collection Revenue After Rate Adjustments	\$3,506,108	\$3,129,699	\$3,154,664	\$3,227,325	\$3,317,718	\$3,410,437
38	Recycling Revenue After Rate Adjustments	491,086	517,924	535,370	552,834	570,279	587,669
39	Total Revenue After Rate Adjustments	\$3,997,194	\$3,647,623	\$3,690,034	\$3,780,158	\$3,887,997	\$3,998,105
40	Revenue Surplus/(Deficiency) [8]	\$342,758	\$227,557	\$166,088	\$85,452	(\$1,649,779)	(\$222)
41	Percent of Rate Revenues	8.57%	6.24%	4.52%	2.27%	-42.58%	-0.01%

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2020 Budget and are escalated as shown on Table 2-4.
[2] Payment amounts shown were based on debt service schedules provided by City Staff.
[3] The proposed debt is based upon the funding of the capital improvement program. Initial payments shown may indicate a partial year's payment of debt service due to the timing of the instrument. The following indicated the estimated terms and conditions of the proposed debt.

Additional Senior Lien Debt 1

Principal (Includes Project Costs and Costs of Issuance)	\$515,000
Issue Date	10/1/2020
Interest Rate	4.00%
Term (Years)	10
Annual Average Debt Service	\$63,495

Additional Subordinate Lien Debt 1

Principal (Includes Project Costs and Costs of Issuance)	\$922,000
Issue Date	7/1/2020
Interest Rate	1.80%
Term (Years)	6
Annual Average Debt Service	\$163,492

Additional Subordinate Lien Debt 2

Principal (Includes Project Costs and Costs of Issuance)	\$335,000
Issue Date	\$44,835
Interest Rate	5.00%
Term (Years)	7
Annual Average Debt Service	\$57,895

Additional Subordinate Lien Debt 3

Principal (Includes Project Costs and Costs of Issuance)	\$355,000
Issue Date	10/1/2024
Interest Rate	5.00%
Term (Years)	7
Annual Average Debt Service	\$61,351

- [4] Amount shown is a transfer to the City's General Fund and is based on 5.9% of the previous Fiscal Year's revenues.
[5] Amounts are transfers to a Charter Reserve Fund and are targeted to be 15% of gross revenue requirements after a 5-year build up period which started in 2018.
[6] Amounts based on the proposed capital funding plan as shown in Table 2-6.
[7] Interest income is estimated on earnings on projected fund balances from unrestricted reserves.
[8] The forecast assumes that any deficiencies will be funded from available operating reserves.

Table 2-11
City of Edgewater, Florida
Solid Waste Utility Rate Study

Projection of Debt Service Coverage Compliance

Line No.	Description	Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
<u>Subordinate Lien Test</u>							
31	Net Revenues	\$1,101,642	\$631,819	\$572,296	\$556,330	\$552,816	\$546,938
32	Total Subordinate Lien Debt Service Payments	\$36,826	\$158,002	\$157,446	\$215,749	\$215,103	\$276,772
33	Calculated Ratio	2991.46%	399.88%	363.49%	257.86%	257.00%	197.61%
34	Minimum Required Coverage Ratio	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%
<u>Less Other Required and Recognized Transfers:</u>							
35	Capital Funded from Rates	\$321,619	\$31,050	\$31,050	\$32,100	\$1,758,100	\$34,500
36	Charter Reserve Fund Transfer	189,147	0	0	0	0	0
37	Transfers to General Fund - PILOFF	[4] 211,291	215,210	217,712	223,029	229,392	235,888
38	Transfer to Public Works and Transfer Stations	0	0	0	0	0	0
39	Net Transfer to Operating Reserves	0	0	0	0	0	0
40	Total Other Required and Recognized Transfers	\$722,057	\$246,260	\$248,762	\$255,129	\$1,987,492	\$270,388
41	Net Amount Available for Other Utility System Purposes	\$342,758	\$227,557	\$166,088	\$85,452	(\$1,649,779)	(\$222)

Footnotes begin on following page.

**Table 2-11
City of Edgewater, Florida
Solid Waste Utility Rate Study**

Projection of Debt Service Coverage Compliance

Footnotes:

- [1] Projected revenue from rates reflects existing rates effective October 1, 2019.
- [2] Revenue from solid waster rate adjustments reflect the following projected rate increases effective October 1st of each year.

<u>Fiscal Year</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Rate Adjustment	0.00%	-12.50%	0.00%	1.50%	2.00%	2.00%

- [3] Amounts shown only reflect earnings from funds and accounts established by the City that are considered unrestricted (earnings not required to be retained in such funds and accounts and are available as a component of Net Revenues)
- [4] Amounts shown represent a transfer to the City's General fund for Payment in Lieu of Franchise Fees (PILOFF), which is a transfer made based on 5.90% of the previous year's rate revenue. The PILOFF transfer is allocated to the Collection department and the Recycling departments with allocation percentages of 95.89% and 4.11 % respectively.

Table 2-12
City of Edgewater, Florida
Solid Waste Utility Rate Study

Comparison of Monthly Residential Solid Waste Bills [1]

Line No.	Description	Annual Charges	Residential Collection & Disposal				Non-Ad Valorem Assessment
			Monthly Charges	Garbage Collection	Recycling Collection	Yard Waste Collection	
City of Edgewater:							
1	Current Rates	\$400.20	\$33.35	2 x week	1 x week	1 x week	No
2	Proposed Rates	356.64	29.72	2 x week	1 x week	1 x week	No
<u>Other Solid Waste Systems:</u>							
3	City of Daytona Beach	\$288.72	\$24.06	2 x week	1 x week	1 x week	No
4	City of DeLand	146.76	12.23	1 x week	1 x week	1 x week	No
5	City of Deltona	202.80	16.90	1 x week	0 x week	1 x week	Yes
6	City of Eustis	188.76	15.73	1 x week	1 x week	1 x week	No
7	City of Holly Hill	276.12	23.01	2 x week	1 x week	1 x week	No
8	City of Orange City	167.52	13.96	2 x week	1 x week	1 x week	Yes
9	City of Ormond Beach	241.68	20.14	2 x week	1 x week	1 x week	No
10	Town of Ponce Inlet	360.00	30.00	2 x week	1 x week	1 x week	No
11	City of Port Orange	224.04	18.67	2 x week	1 x week	1 x week	No
12	City of Sanford	230.40	19.20	2 x week	1 x week	1 x week	No
13	Seminole County [2]	235.00	19.58	2 x week	1 x week	1 x week	Yes
14	City of South Daytona	225.72	18.81	2 x week	1 x week	1 x week	No
15	Volusia County	255.00	21.25	2 x week	1 x week	1 x week	Yes
16	Other Utilities' Average	\$234.04	\$19.50				

Footnotes:

- [1] Unless otherwise noted, amounts shown reflect rates in effect May 2020 and are exclusive of taxes or franchise fees, if any. All rates are as reported by the respective utility. This comparison is intended to show comparable charges for similar service for comparison purposes only and is not intended to be a complete listing of all rates and charges offered by each listed utility.
- [2] Residential property owners are offered a choice of collection options with different frequencies of collection and rates. The rate shown is based on a collection frequency of two times per week for garbage and one time per week for recycling and yard waste.

SECTION 3

STORMWATER SYSTEM



RAFTELIS

SECTION 3 – STORMWATER SYSTEM

Customer Growth and Revenues

Projected revenues from rates for the stormwater system were based on the existing rate effective October 1, 2019. In order to calculate projected revenues from rates for the Forecast Period, the existing fiscal year 2020 rates were applied to the projected billing statistics. Based on discussions with City Staff, the growth projections included in this analysis recognize an average growth in customers of approximately 0.78%, or 80 accounts, per year throughout the Forecast Period as shown in Table 3-1. Based on these assumptions, system revenues at existing rates are estimated to increase from approximately \$2.1 million to \$2.2 million per year over the Forecast Period. Other miscellaneous operating revenues, located on Tables 3-2 and 3-3, are projected, on average, to be approximately \$8,400 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$1,900 per year.

Operating and Maintenance Expenses

The Fiscal Year 2020 operating budget served as the basis for the operating expense projections for the remainder of the Forecast Period. Adjustments were made to the Fiscal Year 2020 operating budgets to exclude depreciation, principal and interest payments on debt, capital expenditures, and additions to reserves, which were accounted for separately in our analysis; or in the case of depreciation, excluded as a non-cash expense. These adjustments resulted in the Fiscal Year 2020 operating budget of \$2.2 million being adjusted down to approximately \$1.3 million in operating expenses, as shown in Table 3-4. A contingency allowance of five percent (5.0%) of operation and maintenance expenses was recognized for unanticipated expenditures in each fiscal year. Additionally, a bad debt allowance of 0.25% of rate revenues was recognized in each fiscal year. The aforementioned allowances represent averages of approximately \$69,700 and \$5,400 annually, respectively. Operation and maintenance expenses are projected to increase by an annual average of approximately 4.12% per year from Fiscal Year 2020 operating budget levels and are shown in detail on Table 3-5. The overall increase over the Forecast Period in projected operating expenses was based upon assumptions corresponding to several escalation factors and the nature of the expense as shown on Table 3-6. A few of the major factors are shown below:

1. Labor – 4.0% in Fiscal Year 2021 and 3.0% in Fiscal Years 2022 through 2025
2. Health Insurance – 10.0% per year
3. Consumer Price Index (CPI) – Average of 2.5% per year
4. Electricity, Benefits and General Insurance – 5.0% per year

Capital Improvement Plan

The CIP utilized in this analysis was based on the Fiscal Year 2020 – 2025 CIP, as provided by City. The City's project cost estimates were based on current year dollars and therefore these amounts were escalated to account for cost inflation over the Forecast Period. The current plan is projected to fund \$10.0 million capital projects. The System's share of the Public Works Facility is anticipated to be funded from existing reserves and the financial forecast assumes that the other stormwater projects in the CIP will be fully funded through a combination of rate revenues, proposed debt, and grant funding as shown on Table 3-7.

Existing and Proposed Debt

Based on the debt service schedules for the outstanding revenue notes and proposed capital leases the annual debt service payments to be funded from rates is approximately \$58,000 per year, increasing to \$137,000 in 2021 and then decreasing to \$78,000 the last year of the Forecast Period. Capital lease payments for the Menzi Tractor are projected to begin in Fiscal Year 2021 and will be approximately \$78,000 per year. Existing and proposed debt service payments are summarized on Table 3-8 found at the end of this report.

Transfers

The City transfers 5.9% of the prior year's stormwater gross revenues to the General Fund in the form of a PILOFF. This amount is funded each year of the Forecast Period and averages approximately \$140,000 annually, as shown in Table 3-9.

Cash Balances

As previously mentioned in Section 1 of this report, in Fiscal Year 2011 the City adopted Resolution No. 2011-R-20, which established a fund balance policy applying to all General Fund balances (the "Charter Reserve"). Subsequently in Fiscal Year 2016 the City adopted Resolution No. 2016-R-40, which extended the fund balance policy to all operating funds including the water, wastewater, stormwater and solid waste enterprise funds. Part of the adopted fund balance policy establishes a reserve balance target equal to 15% of the current fiscal year operating expenditures, with a maximum of 25%. If the reserve balance amount falls below targeted levels the City must begin a plan to achieve the minimum balance of 15% within five (5) years. The City currently has enough available cash on hand in the fund to fully fund the required Charter Reserve so no major deposits are included during the Forecast Period (as shown on Table 3-9). Additionally, the City targets an Operating Fund cash balance between 90 to 120 days of rate revenue for the stormwater system. By the end of the Forecast Period the City is projected to have \$0.7 million in the operating fund, as shown in Table 3-10, which meets the City's internal policy requirement.

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Conclusions and Recommendations

Based on the updated projected operating expenditure needs of the stormwater system and the revised projected funding plan for the CIP, it is estimated that previously adopted rate increases will over recover and can be delayed and reduced. The previously adopted 9.09% rate increase for 2021 can be eliminated and remaining increases can be delayed, as shown in Tables 3-11 through 3-13. The projected operating results set forth herein assume the adoption of the newly proposed rate adjustments. Below is a summary of the proposed rate adjustments, along with certain projected financial operating results.

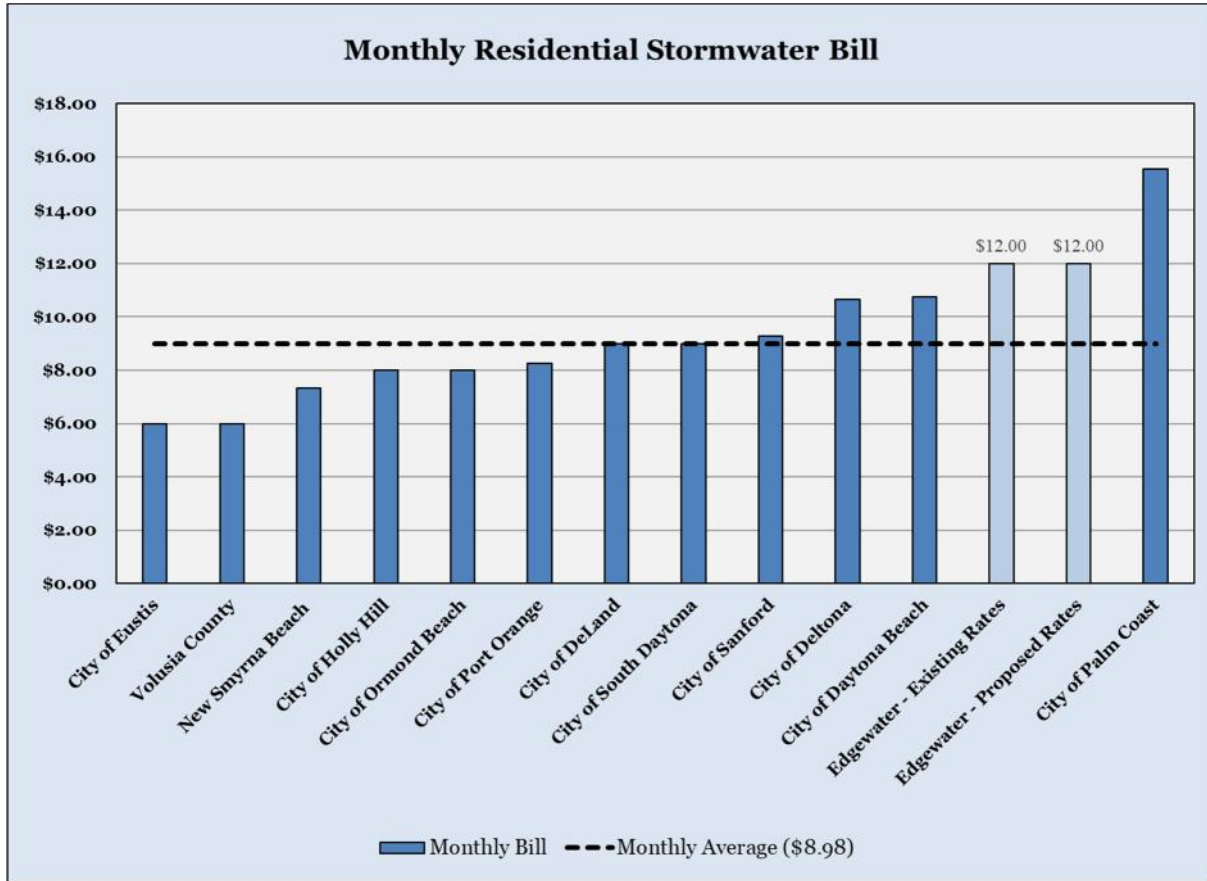
Summary of Projected Rate Adjustments and Key Operating Results

Description	Fiscal Year Ending September 30,					
	2020	2021	2022	2023	2024	2025
Previously Recommended Rate Adjustments	9.09%	8.33%	7.69%	7.14%	6.67%	N/A
Proposed Stormwater Rate Adjustments	N/A [*]	0.00%	8.33%	7.69%	7.14%	1.67%
System Revenue Surplus/(Deficiency)	\$324,475	(\$152,633)	(\$142,366)	\$60,682	(\$1,130,900)	(\$13,585)
Operating Fund (Ending Balance)	\$2,069,227	\$1,916,594	\$1,774,228	\$1,834,910	\$704,010	\$690,425
Days of Cash (Target of 90-120 Days of Rate Revenue)	360	331	281	268	95	91
Charter Reserve Fund (Ending Balance)	\$277,506	\$277,798	\$278,091	\$278,384	\$278,677	\$278,970
Senior Lien Debt Service Coverage (Test 1.00)	N/A	N/A	N/A	N/A	N/A	N/A
Subordinate Lien Debt Service Coverage (Test 1.15)	14.66	5.62	7.06	8.15	9.86	15.02
All-In Debt Service Coverage (Target 1.50)	14.66	5.62	7.06	8.15	9.86	15.02

[*] Rates were adjusted at the beginning of Fiscal Year 2020 by 9.09%.

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As shown below and on Table 3-13, bills under the proposed Fiscal Year 2021 stormwater rates are above average when compared to the surveyed, neighboring utilities' average.



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**Table 3-1
City of Edgewater, Florida
Stormwater Utility Rate Study**

Summary of Historical and Projected Stormwater Accounts

Line No	Description	Historical [1]						Fiscal Year Ending September 30					
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
<u>Residential Class</u>													
1	Account Growth	N/A	0	64	(6)	(6)	45	75	75	75	75	75	75
2	Average Monthly Accounts	9,426	9,426	9,490	9,484	9,478	9,523	9,598	9,673	9,748	9,823	9,898	9,973
3	Average Equivalent Dwelling Units	9,426	9,426	9,490	9,484	9,478	9,523	9,598	9,673	9,748	9,823	9,898	9,973
4	Equivalent Dwelling Units (EDUs) Per Account	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<u>Commercial and Non-Residential</u>													
<u>Residential Multi-Family</u>													
5	Account Growth	N/A	0	0	0	1	0	0	0	0	0	0	0
6	Average Monthly Accounts	50	50	50	50	51	51	51	51	51	51	51	51
7	Average Equivalent Dwelling Units	606	606	606	611	1,372	1,427	1,427	1,427	1,427	1,427	1,427	1,427
8	Equivalent Dwelling Units (EDUs) Per Account	12.12	12.12	12.12	12.22	26.90	27.98	27.98	27.98	27.98	27.98	27.98	27.98
<u>Commercial (Without Site Mitigation)</u>													
9	Account Growth	N/A	0	1	14	(1)	5	5	5	5	5	5	5
10	Average Monthly Accounts	249	249	250	265	264	269	274	279	284	289	294	299
11	Average Equivalent Dwelling Units	1,576	1,576	1,583	1,674	1,670	1,691	1,722	1,754	1,785	1,817	1,848	1,880
12	Equivalent Dwelling Units (EDUs) Per Account	6.33	6.33	6.33	6.33	6.33	6.29	6.29	6.29	6.29	6.29	6.29	6.29
<u>Commercial (With Site Mitigation)</u>													
13	Account Growth	N/A	0	1	11	(0)	5	0	0	0	0	0	0
14	Average Monthly Accounts	185	185	186	196	196	201	201	201	201	201	201	201
15	Average Equivalent Dwelling Units	3,660	3,660	3,677	3,887	3,879	3,967	3,967	3,967	3,967	3,967	3,967	3,967
16	Equivalent Dwelling Units (EDUs) Per Account	19.79	19.79	19.79	19.79	19.79	19.74	19.74	19.74	19.74	19.74	19.74	19.74
17	Total Multi Family and Commercial EDUs	5,841	5,841	5,865	6,172	6,921	7,085	7,116	7,148	7,179	7,211	7,242	7,274
<u>Summary:</u>													
18	Account Growth	N/A	0	66	19	(6)	55	80	80	80	80	80	80
19	Total Accounts	9,910	9,910	9,976	9,995	9,989	10,044	10,124	10,204	10,284	10,364	10,444	10,524
20	Total Equivalent Dwelling Units	15,267	15,267	15,355	15,656	16,399	16,608	16,714	16,821	16,927	17,034	17,140	17,247
21	Equivalent Dwelling Units (EDUs) Per Account	1.54	1.54	1.54	1.57	1.64	1.65	1.65	1.65	1.65	1.64	1.64	1.64

Footnotes
[1] Based on customer statistics provided by staff.

Table 3-2
City of Edgewater, Florida
Stormwater Utility Rate Study

Summary of Projected Stormwater Rate Revenues Under Existing Rates

Line No.	Description	Historical 2019			Fiscal Year Ending September 30																	
		Rate	Total Annual Determinants	Calculated Revenue	2020			2021			2022			2023			2024			2025		
					Rate	Total Annual Determinants	Calculated Revenue	Rate	Total Annual Determinants	Calculated Revenue	Rate	Total Annual Determinants	Calculated Revenue	Rate	Total Annual Determinants	Calculated Revenue	Rate	Total Annual Determinants	Calculated Revenue	Rate	Total Annual Determinants	Calculated Revenue
Residential Stormwater Service																						
1	Base Fee	\$5.98	114,276	\$683,370	\$6.52	115,176	\$750,948	\$6.52	116,076	\$756,816	\$6.52	116,976	\$762,684	\$6.52	117,876	\$768,552	\$6.52	118,776	\$774,420	\$6.52	119,676	\$780,288
2	Total Base Fee Revenue			\$683,370			\$750,948			\$756,816			\$762,684			\$768,552			\$774,420			\$780,288
3	Assessment Fee	\$5.02	114,276	\$573,666	\$5.48	115,176	\$631,164	\$5.48	116,076	\$636,096	\$5.48	116,976	\$641,028	\$5.48	117,876	\$645,960	\$5.48	118,776	\$650,892	\$5.48	119,676	\$655,824
4	Total Assessment Fee Revenue			\$573,666			\$631,164			\$636,096			\$641,028			\$645,960			\$650,892			\$655,824
5	Total Residential Revenue			\$1,257,036			\$1,382,112			\$1,392,912			\$1,403,712			\$1,414,512			\$1,425,312			\$1,436,112
Residential Multi-Family Stormwater Service																						
6	Base Fee	\$5.98	17,124	\$102,402	\$6.52	17,124	\$111,648	\$6.52	17,124	\$111,648	\$6.52	17,124	\$111,648	\$6.52	17,124	\$111,648	\$6.52	17,124	\$111,648	\$6.52	17,124	\$111,648
7	Total Base Fee Revenue			\$102,402			\$111,648			\$111,648			\$111,648			\$111,648			\$111,648			\$111,648
8	Assessment Fee	\$5.02	17,124	\$85,962	\$5.48	17,124	\$93,840	\$5.48	17,124	\$93,840	\$5.48	17,124	\$93,840	\$5.48	17,124	\$93,840	\$5.48	17,124	\$93,840	\$5.48	17,124	\$93,840
9	Total Assessment Fee Revenue			\$85,962			\$93,840			\$93,840			\$93,840			\$93,840			\$93,840			\$93,840
10	Total Residential Multi Family Revenue			\$188,364			\$205,488			\$205,488			\$205,488			\$205,488			\$205,488			\$205,488
Commercial Stormwater Service																						
11	Base Fee	\$11.00	20,292	\$223,212	\$12.00	20,669	\$248,030	\$12.00	21,046	\$252,556	\$12.00	21,424	\$257,082	\$12.00	21,801	\$261,608	\$12.00	22,178	\$266,134	\$12.00	22,555	\$270,661
12	Total Base Fee Revenue			\$223,212			\$248,030			\$252,556			\$257,082			\$261,608			\$266,134			\$270,661
Non-Residential Stormwater Service																						
13	Base Fee	\$5.02	47,604	\$238,972	\$5.48	47,604	\$260,870	\$5.48	47,604	\$260,870	\$5.48	47,604	\$260,870	\$5.48	47,604	\$260,870	\$5.48	47,604	\$260,870	\$5.48	47,604	\$260,870
14	Total Base Fee Revenue			\$238,972			\$260,870			\$260,870			\$260,870			\$260,870			\$260,870			\$260,870
15	Total Commercial / Non-Residential Service			\$462,184			\$508,900			\$513,426			\$517,952			\$522,478			\$527,004			\$531,530
16	Subtotal Stormwater Rate Revenue			\$1,907,584			\$2,096,500			\$2,111,826			\$2,127,152			\$2,142,478			\$2,157,804			\$2,173,130
17	Revenue Adjustments = 0.00%			\$0			\$0			\$0			\$0			\$0			\$0			\$0
18	Total Stormwater Rate Revenue			\$1,907,584			\$2,096,500			\$2,111,826			\$2,127,152			\$2,142,478			\$2,157,804			\$2,173,130
19	Stormwater Base Fee			\$1,247,956			\$1,371,496			\$1,381,890			\$1,392,284			\$1,402,678			\$1,413,072			\$1,423,466
20	Stormwater Assessment Fee			659,628			725,004			729,936			734,868			739,800			744,732			749,664
21	Total			\$1,907,584			\$2,096,500			\$2,111,826			\$2,127,152			\$2,142,478			\$2,157,804			\$2,173,130

**Table 3-3
City of Edgewater, Florida
Stormwater Utility Rate Study**

Projection of Other Operating Revenues

Line No.	Code	Description	Fiscal Year Ended September 30th.					Budgeted FY 2020	Adjustments	Adjusted 2020	Escalation Reference	Projected 2021	Fiscal Year Ending September 30th.			
			2015	2016	2017	2018	2019						2022	2023	2024	2025
Stormwater System																
1	448-0000-322.50-10	Culvert - Driveway	\$10,650	\$7,950	\$7,175	\$7,575	\$5,075	\$8,000	\$0	\$8,000	Constant	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000
2	448-0000-331.50-00	FEMA Reimbursement	0	0	0	0	0	0	0	Eliminate	0	0	0	0	0	
3	448-0000-331.50-02	Hurricane Irma 2017	0	0	0	0	1,317	0	0	Eliminate	0	0	0	0	0	
4	448-0000-334.50-02	Hurricane Irma 2017	0	0	0	0	73	0	0	Eliminate	0	0	0	0	0	
5	448-0000-343.66-10	Stormwater	1,302,571	1,458,545	1,472,552	1,713,050	1,892,110	1,865,138	(1,865,138)	0	Eliminate	0	0	0	0	
6	448-0000-361.10-10	Interest	426	590	1,205	1,632	8,995	7,000	(7,000)	0	Eliminate	0	0	0	0	
7	448-0000-361.10-12	Internal Loan	0	0	0	5,138	0	0	0	0	Eliminate	0	0	0	0	
8	448-0000-365.10-00	Sales / Surplus	2,538	3,938	40,460	0	0	3,000	(3,000)	0	Eliminate	0	0	0	0	
9	448-0000-369.90-10	Miscellaneous Revenue	1,982	(169)	0	245	205	400	0	400	Constant	400	400	400	400	
10	448-0000-369.90-20	Retirement Forfeitures	(7)	0	10,681	5,904	2,799	0	0	0	Constant	0	0	0	0	
11	448-0000-389.90-12	Unreserved Proprietary	0	0	0	0	0	276,244	(276,244)	0	Eliminate	0	0	0	0	
12		Total Other Operating Revenue	<u>\$1,318,160</u>	<u>\$1,470,854</u>	<u>\$1,532,073</u>	<u>\$1,733,544</u>	<u>\$1,910,574</u>	<u>\$2,159,782</u>	<u>(\$2,151,382)</u>	<u>\$8,400</u>		<u>\$8,400</u>	<u>\$8,400</u>	<u>\$8,400</u>	<u>\$8,400</u>	

Table 3-4
City of Edgewater, Florida
Stormwater Utility Rate Study

Fiscal Year 2020 Operating Budget [1]

Line No.	Cost ID Code	Description	Budget 2020	Adjustments	Adjusted 2020
Operations					
Environmental Services					
1	448-4070-538.12-10	Regular Salaries and Wages	\$465,795	\$0	\$465,795
2	AddPer	Additional Personnel	0	0	0
3	448-4070-538.14-10	Overtime	9,339	0	9,339
4	448-4070-538.15-30	Cell Phone	890	0	890
5	448-4070-538.15-60	Boot Allowance	1,500	0	1,500
6	448-4070-538.21-10	FICA Taxes	26,884	0	26,884
7	448-4070-538.21-20	Medicare	6,288	0	6,288
8	448-4070-538.22-10	Retirement Contributions	0	0	0
9	448-4070-538.22-20	DCSE	54,473	0	54,473
10	448-4070-538.23-10	Life Insurance	2,070	0	2,070
11	448-4070-538.23-20	Group Medical Insurance	154,090	0	154,090
12	448-4070-538.23-21	HSA Employer Contribution	2,600	0	2,600
13	448-4070-538.23-22	HRA Employer Contribution	2,000	0	2,000
14	448-4070-538.23-30	Dental Insurance	3,474	0	3,474
15	448-4070-538.23-40	Long Term Disability	3,744	0	3,744
16	448-4070-538.23-60	Broker & Admin. Fees	3,435	0	3,435
17	448-4070-538.23-90	OPEB	0	13,919	13,919
18	448-4070-538.24-10	Worker's Compensation	14,805	0	14,805
19	448-4070-538.34-10	Other Contractual Services	10,600	0	10,600
20	448-4070-538.40-10	Travel & Per Diem	805	0	805
21	448-4070-538.41-10	Legal Ads	0	0	0
22	448-4070-538.41-40	Postage	12,000	0	12,000
23	448-4070-538.43-10	Electric	1,751	0	1,751
24	448-4070-538.44-10	Rent	1,100	0	1,100
25	448-4070-538.46-10	Repair and Maintenance	46,500	0	46,500
26	448-4070-538.46-20	Fleet Charges	121,460	0	121,460
27	448-4070-538.47-10	Printing and Binding	100	0	100
28	448-4070-538.48-10	Promotional Activities	13,125	0	13,125
29	448-4070-538.49-01	Cost Allocation	109,223	0	109,223
30	448-4070-538.49-10	Other Charges/Obligations	10,800	0	10,800
31	448-4070-538.49-20	Bank Charges	0	0	0
32	448-4070-538.49-48	PILOFF - Stormwater [2]	110,043	(110,043)	0
33	448-4070-538.51-10	Office Supplies	500	0	500
34	448-4070-538.52-10	Operating Supplies	10,250	0	10,250
35	448-4070-538.52-20	Unleaded & Diesel	38,000	0	38,000
36	448-4070-538.52-30	Uniforms	2,800	0	2,800
37	448-4070-538.54-10	Books, Pubs, Subs, and Mem	0	0	0
38	448-4070-538.54-20	Educational Development	2,055	0	2,055
39		Total Environmental Services	\$1,242,499	(\$96,124)	\$1,146,375
Non-Departmental Services					
40	448-5555-580.22-10	Retirement Contributions	\$30,640	\$0	\$30,640
41	448-5555-580.23-80	PTO Expense	0	0	0
42	448-5555-580.31-10	Professional Services	3,253	0	3,253
43	448-5555-580.45-10	General Liability	2,583	0	2,583
44	448-5555-580.45-15	Property	5,196	0	5,196
45	448-5555-580.45-20	Public Officials	2,081	0	2,081
46	448-5555-580.45-25	Automobile	2,608	0	2,608
44	448-5555-580.71-40	Veh Lse 2016 Amer Cap Svc [3]	7,569	(7,569)	0
47	448-5555-580.49-50	Write Off	0	0	0
48	448-5555-580.49-60	Hurricane Expense	0	0	0
49	448-5555-580.59-10	Depreciation	0	0	0
50	448-5555-580.61-10	Land [3]	0	0	0
51	448-5555-580.64-10	Machinery and Equipment [3]	105,000	(105,000)	0

Table 3-4
City of Edgewater, Florida
Stormwater Utility Rate Study

Fiscal Year 2020 Operating Budget [1]

Line No.	Cost ID Code	Description	Budget 2020	Adjustments	Adjusted 2020
52	448-5555-580.64-20	Motor Vehicles [3]	42,000	(42,000)	0
53	448-5555-580.71-28	BBT Cap Imp Rev Note 2014 [3]	44,677	(44,677)	0
54	448-5555-580.71-36	Menzi Lease 2015 [3]	0	0	0
53	448-5555-580.72-40	Veh Lse 2016 Amer Cap Svc [3]	471	(471)	0
55	448-5555-580.72-28	BBT Cap Imp Rev Note 2014 [3]	5,098	(5,098)	0
56	448-5555-580.72-36	Menzi Lease 2015 [3]	0	0	0
57	448-5555-580.73-42	BBT Cap Imp Rev Note SRS 2014 [3]	0	0	0
58		Total Non-Departmental Services	\$251,176	(\$204,815)	\$46,361
Other Adjustments					
59	448-5555-581.04-44	Renewal & Replacement [3]	\$450,000	(\$450,000)	\$0
60	448-5555-581.04-49	Stormwater Capital [3]	0	0	0
61	448-5555-581.05-01	Public Works Complex - Capital Spending [3]	210,000	(210,000)	0
62	448-5555-581.04-50	MIS	0	0	0
63	448-5555-581.10-01	General Fund	0	0	0
64	448-5555-589.10-01	Current Year Unreserved [3]	0	0	0
64	448-5555-589.50-50	Charter Reserve/Stabalization	6,107	(6,107)	0
65	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [4]	0	5,241	5,241
66	Contingency	Operating Contingency - 5.00% of O&M [5]	0	59,637	59,637
67	Other	Other Adjustment	0	0	0
68		Total Other Adjustments	\$666,107	(\$601,229)	\$64,878
69		Total Stormwater Expenses	\$2,159,782	(\$902,168)	\$1,257,614

Footnotes:

- [1] Budgeted amounts are based on Fiscal Year 2020 Adopted Operating Budget as provided by the City.
- [2] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. These items have been adjusted from budget and are accounted for in the summary of Revenue Requirements.
- [3] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
- [4] An allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.
- [5] A contingency of 5.00% of O&M was added to allow for unforeseen contingencies.

Table 3-5
City of Edgewater, Florida
Stormwater Utility Rate Study

Projected Stormwater System Operating Expenses [1]

Line No.	Cost ID Code	Description	Adjusted		Fiscal Year Ending September 30,				
			2020	Escalation	2021	2022	2023	2024	2025
Operations									
Environmental Services									
Personnel Expenses									
1	448-4070-538.12-10	Regular Salaries and Wages	\$465,795	Labor	\$484,427	\$498,960	\$513,928	\$529,346	\$545,227
2	AddPer	Additional Personnel	0	Input	36,750	37,853	38,988	40,158	41,362
3	448-4070-538.14-10	Overtime	9,339	Labor	9,713	10,004	10,304	10,613	10,932
4	448-4070-538.15-30	Cell Phone	890	Inflation	912	936	959	982	1,005
5	448-4070-538.15-60	Boot Allowance	1,500	Inflation	1,538	1,577	1,617	1,656	1,694
6	448-4070-538.21-10	FICA Taxes	26,884	Labor	27,959	28,798	29,662	30,552	31,469
7	448-4070-538.21-20	Medicare	6,288	Labor	6,540	6,736	6,938	7,146	7,360
8	448-4070-538.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
9	448-4070-538.22-20	DCSE	54,473	Labor	56,652	58,351	60,102	61,905	63,762
10	448-4070-538.23-10	Life Insurance	2,070	General-Ins	2,174	2,282	2,396	2,516	2,642
11	448-4070-538.23-20	Group Medical Insurance	154,090	Ins-Health	169,499	186,449	205,094	225,603	248,163
12	448-4070-538.23-21	HSA Employer Contribution	2,600	Ins-Health	2,860	3,146	3,461	3,807	4,187
13	448-4070-538.23-22	HRA Employer Contribution	2,000	Ins-Health	2,200	2,400	2,662	2,928	3,221
14	448-4070-538.23-30	Dental Insurance	3,474	Ins-Health	3,821	4,204	4,624	5,086	5,595
15	448-4070-538.23-40	Long Term Disability	3,744	Labor	3,894	4,011	4,131	4,255	4,382
16	448-4070-538.23-60	Broker & Admin. Fees	3,435	Labor	3,572	3,680	3,790	3,904	4,021
17	448-4070-538.23-90	OPEB	13,919	Labor	14,475	14,910	15,357	15,818	16,292
18	448-4070-538.24-10	Worker's Compensation	14,805	Labor	15,397	15,859	16,335	16,825	17,330
19	448-4070-538.34-10	Other Contractual Services	10,600	Contractual	11,024	11,465	11,924	12,401	12,897
20	448-4070-538.40-10	Travel & Per Diem	805	Inflation	825	847	868	889	909
21	448-4070-538.41-10	Legal Ads	0	Inflation	0	0	0	0	0
22	448-4070-538.41-40	Postage	12,000	Inflation	12,300	12,620	12,935	13,246	13,550
23	448-4070-538.43-10	Electric	1,751	Electricity	1,839	1,930	2,027	2,128	2,235
24	448-4070-538.44-10	Rent	1,100	Inflation	1,128	1,157	1,186	1,214	1,242
25	448-4070-538.46-10	Repair and Maintenance	46,500	Repair	47,895	49,332	50,812	52,336	53,906
26	448-4070-538.46-20	Fleet Charges	121,460	Repair	125,104	128,857	132,723	136,704	140,805
27	448-4070-538.47-10	Printing and Binding	100	Inflation	103	105	108	110	113
28	448-4070-538.48-10	Promotional Activities	13,125	Inflation	13,453	13,803	14,148	14,488	14,821
29	448-4070-538.49-01	Cost Allocation	109,223	Labor	113,592	117,000	120,510	124,125	127,849
30	448-4070-538.49-10	Other Charges/Obligations	10,800	Inflation	11,070	11,358	11,642	11,921	12,195
31	448-4070-538.49-20	Bank Charges	0	Inflation	0	0	0	0	0
32	448-4070-538.49-48	PILOFF - Stormwater [2]	0	Eliminate	0	0	0	0	0
33	448-4070-538.51-10	Office Supplies	500	Inflation	513	526	539	552	565
34	448-4070-538.52-10	Operating Supplies	10,250	Inflation	10,506	10,779	11,049	11,314	11,574
35	448-4070-538.52-20	Unleaded & Diesel	38,000	Fuel	39,900	41,895	43,990	46,189	48,499
36	448-4070-538.52-30	Uniforms	2,800	Inflation	2,870	2,945	3,018	3,091	3,162
37	448-4070-538.54-10	Books, Pubs, Subs, and Mem	0	Inflation	0	0	0	0	0
38	448-4070-538.54-20	Educational Development	2,055	Inflation	2,106	2,161	2,215	2,268	2,321
39		Total Environmental Services	\$1,146,375		\$1,236,609	\$1,286,953	\$1,340,040	\$1,396,076	\$1,455,286
Non-Departmental Services									
40	448-5555-580.22-10	Retirement Contributions	\$30,640	Labor	\$31,866	\$32,822	\$33,806	\$34,820	\$35,865
41	448-5555-580.23-80	PTO Expense	0	Labor	0	0	0	0	0
42	448-5555-580.31-10	Professional Services	3,253	Contractual	3,383	3,518	3,659	3,806	3,958
43	448-5555-580.45-10	General Liability	2,583	General-Ins	2,712	2,848	2,990	3,140	3,297
44	448-5555-580.45-15	Property	5,196	General-Ins	5,456	5,729	6,015	6,316	6,632
45	448-5555-580.45-20	Public Officials	2,081	Inflation	2,133	2,188	2,243	2,297	2,350
46	448-5555-580.45-25	Automobile	2,608	General-Ins	2,738	2,875	3,019	3,170	3,329
44	448-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
47	448-5555-580.49-50	Write Off	0	Inflation	0	0	0	0	0
48	448-5555-580.49-60	Hurricane Expense	0	Eliminate	0	0	0	0	0
49	448-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
50	448-5555-580.61-10	Land [3]	0	Eliminate	0	0	0	0	0
51	448-5555-580.64-10	Machinery and Equipment [3]	0	Eliminate	0	0	0	0	0
52	448-5555-580.64-20	Motor Vehicles [3]	0	Eliminate	0	0	0	0	0
53	448-5555-580.71-28	BBT Cap Imp Rev Note 2014 [3]	0	Eliminate	0	0	0	0	0
51	448-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
54	448-5555-580.72-28	BBT Cap Imp Rev Note 2014 [3]	0	Eliminate	0	0	0	0	0
55	448-5555-580.73-42	BBT Cap Imp Rev Note SRS 2014 [3]	0	Eliminate	0	0	0	0	0
56		Total Non-Departmental Services	\$46,361		\$48,288	\$49,980	\$51,733	\$53,548	\$55,429
Other Adjustments									
57	448-5555-581.04-44	Renewal & Replacement [3]	\$0	Eliminate	\$0	\$0	\$0	\$0	\$0
58	448-5555-581.04-49	Stormwater Capital [3]	0	Eliminate	0	0	0	0	0
59	448-5555-581.05-01	Public Works Complex - Debt Service Payment [3]	0	Eliminate	0	0	0	0	0
60	448-5555-581.04-50	MIS	0	Inflation	0	0	0	0	0
61	448-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
62	448-5555-589.10-01	Current Year Unreserved [3]	0	Eliminate	0	0	0	0	0
	448-5555-589.50-50	Charter Reserve/Stabalization	0	Eliminate	0	0	0	0	0
63	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [4]	5,241	Input	5,280	5,318	5,356	5,395	5,433
64	Contingency	Operating Contingency - 5.00% of O&M [5]	59,637	Input	64,245	66,847	69,589	72,481	75,536
65	Other	Other Adjustment	0	Input	0	0	0	0	0
66		Total Other Adjustments	\$64,878		\$69,524	\$72,165	\$74,945	\$77,876	\$80,969
67		Total Stormwater Expenses	\$1,257,614		\$1,354,422	\$1,409,098	\$1,466,718	\$1,527,500	\$1,591,684

Footnotes

- [1] Amounts shown based on Table 3-4.
[2] Budgeted amounts for the PILOFF are transferred to the General Fund and are therefore excluded from the Cost of Operation and Maintenance for coverage purposes. This item has been adjusted from budget and is accounted for in the summary of Revenue Requirements.
[3] Amounts are adjusted from budget as shown herein since such capital outlay expenses and debt service payments are reflected in the Capital Improvements Plan or the Revenue Requirements part of the rate model.
[4] A allowance for bad debt expense of 0.25% of rate was recognized to account for uncollectible revenues.
[5] A contingency of 5.00% of O&M was added to allow for unforeseen contingencies.

Table 3-6
City of Edgewater, Florida
Stormwater Utility Rate Study

Summary of Projected Escalation Factors

Line No.	Description	Escalation	Fiscal Year Ending September 30,				
			2021	2022	2023	2024	2025
1	General Inflation (CPI) [1][2]	Inflation	1.0250	1.0260	1.0250	1.0240	1.0230
2	Labor [2]	Labor	1.0400	1.0300	1.0300	1.0300	1.0300
3	Benefits [2]	Benefits	1.0500	1.0500	1.0500	1.0500	1.0500
4	Health Insurance [2]	Ins-Health	1.1000	1.1000	1.1000	1.1000	1.1000
5	Contractual Services	Contractual	1.0400	1.0400	1.0400	1.0400	1.0400
6	Professional Services	Professional	1.0400	1.0400	1.0400	1.0400	1.0400
7	Utility	Utility	1.0500	1.0500	1.0500	1.0500	1.0500
8	General Insurance [2]	General-Ins	1.0500	1.0500	1.0500	1.0500	1.0500
9	Repair & Maintenance	Repair	1.0300	1.0300	1.0300	1.0300	1.0300
10	Electricity	Electricity	1.0500	1.0500	1.0500	1.0500	1.0500
11	Fuel	Fuel	1.0500	1.0500	1.0500	1.0500	1.0500
12	Constant	Constant	1.0000	1.0000	1.0000	1.0000	1.0000
13	Eliminate	Eliminate	0.0000	0.0000	0.0000	0.0000	0.0000
14	Marginal	Marginal	1.0100	1.0100	1.0100	1.0100	1.0100
15	Decline	Decline	0.9500	0.9500	0.9500	0.9500	0.9500
16	Workers' Compensation	WorkComp	1.0300	1.0300	1.0300	1.0300	1.0300

Footnotes:

- [1] Projected inflation figures are based on the "The Budget and Economic Outlook 2020 - 2030" published by the Congressional Budget Office in January 2020.
- [2] Based on discussions with City Staff.

**Table 3-7
City of Edgewater, Florida
Stormwater Utility Rate Study**

Capital Improvement Program Funding Plan

Line No.	Description	Escalation Factor	Funding	Fiscal Year Ending September 30,					6-Year Total	
				2020	2021	2022	2023	2024		2025
<u>CIP Escalation Factor Alternatives</u>										
1	No Assumed Escalation (0.0% per Year)	None		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
2	Capital Outlay (3.5% per Year)	Outlay		1.0000	1.0350	1.0700	1.1100	1.1500	1.1900	
3	ENR Index Average (3.0% per Year)	ENR		1.0000	1.0300	1.0600	1.0900	1.1200	1.1500	
4	Marginal Increase (1.0% per Year)	Marginal		1.0000	1.0100	1.0200	1.0300	1.0400	1.0500	
5	High Increase (5.0% per Year)	High		1.0000	1.0500	1.1000	1.1600	1.2200	1.2800	
Stormwater System Capital Expenditures:										
6	East Palm Way Stormwater Improvements	ENR	Rates	\$0	\$0	\$0	\$0	\$0	\$105,570	\$105,570
7	East Palm Way Stormwater Improvements II	ENR	G	0	0	0	0	0	246,330	246,330
8	East Pine Bluff Storm Improvements	ENR	Rates	0	0	125,193	0	0	0	125,193
9	East Pine Bluff Storm Improvements II	ENR	G	0	0	125,193	0	0	0	125,193
10	Evergreen Avenue Stormwater Improvements	ENR	Rates	0	0	0	0	0	92,460	92,460
11	Evergreen Avenue Stormwater Improvements II	ENR	G	0	0	0	0	0	215,740	215,740
12	Excavator (Rubber Tire)	ENR	Rates	105,000	0	0	0	0	0	105,000
13	Hart Avenue Stormwater Improvements	ENR	Rates	0	143,784	0	0	0	0	143,784
14	Hart Avenue Stormwater Improvements II	ENR	G	0	1,910,277	0	0	0	0	1,910,277
15	Hotel Dr Stormwater Improvements	ENR	Rates	0	0	0	0	173,777	0	173,777
16	Hotel Dr Stormwater Improvements II	ENR	G	0	0	0	0	173,777	0	173,777
17	IRB East & Virginia St Improvements Stormwater	ENR	Rates	0	0	0	0	0	172,500	172,500
18	IRB East & Virginia St Improvements Stormwater II	ENR	G	0	0	0	0	0	172,500	172,500
19	New Hampshire/New York/Fernald Stormwater Improvements II	ENR	G	0	802,370	0	0	0	0	802,370
20	Plaza & Hubbell Storm Improvement	ENR	Rates	0	0	0	159,140	0	0	159,140
21	Plaza & Hubbell Storm Improvement II	ENR	G	0	0	0	159,140	0	0	159,140
22	Stormwater Canal Rehabilitation: FL Shores (Phase 1)	ENR	Rates	0	309,000	318,000	327,000	336,000	345,000	1,635,000
23	Turgot/Fernald Stormwater Improvements	ENR	Rates	0	0	127,200	0	0	0	127,200
24	Turgot/Fernald Stormwater Improvements II	ENR	G	0	0	296,800	0	0	0	296,800
25	Unspecified Capital Outlay-Stormwater	ENR	Rates	0	51,500	53,000	54,500	56,000	57,500	272,500
26	Public Works Building	ENR	Rates	210,000	0	0	0	1,293,600	0	1,503,600
27	Capital Outlay	Outlay	Rates	\$42,000	\$155,250	\$160,500	\$166,500	\$172,500	\$178,500	\$875,250
28	Menzi Tractor	Outlay	JD2	0	362,250	0	0	0	0	362,250
29	Total Stormwater System Capital Expenditures			\$357,000	\$3,734,431	\$1,205,886	\$866,280	\$2,205,654	\$1,586,100	\$9,955,351
<u>Funding Source Summary</u>										
30	Stormwater Rate Revenue		Rates	\$357,000	\$659,534	\$783,893	\$707,140	\$2,031,877	\$951,530	\$5,490,974
31	Grant Funding		G	0	2,712,647	421,993	159,140	173,777	634,570	4,102,127
32	New Subordinate Lien Debt 1		JD1	0	0	0	0	0	0	0
33	New Subordinate Lien Debt 2		JD2	0	362,250	0	0	0	0	362,250
34	New Subordinate Lien Debt 3		JD3	0	0	0	0	0	0	0
35	New Subordinate Lien Debt 4		JD4	0	0	0	0	0	0	0
36	Other Funding Sources (Gen. Fund etc.)		Other	0	0	0	0	0	0	0
37	Total Funding Sources			\$357,000	\$3,734,431	\$1,205,886	\$866,280	\$2,205,654	\$1,586,100	\$9,955,351

Footnotes:

[1] Amounts as provided by City Staff.

Table 3-8
City of Edgewater, Florida
Stormwater Utility Rate Study

Summary of Debt Service Payments - Sinking Fund Basis

Line No.	Description	Fiscal Year Ending September 30th,					
		2020	2021	2022	2023	2024	2025
<u>STORMWATER SYSTEM</u>							
<u>Existing Debt:</u>							
1	Capital Improvement Revenue Note, Series 2014	\$49,911	\$50,056	\$49,671	\$49,546	\$41,105	\$0
2	Capital Improvement Revenue Note, Series 2015	0	0	0	0	0	0
3	Vehicle Lease 2016 Amer Cap Svc	8,040	8,040	201	0	0	0
4	Total Existing Debt Payments	\$57,951	\$58,096	\$49,872	\$49,546	\$41,105	\$0
<u>Proposed Junior Lien Debt:</u>							
5	New Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
6	New Subordinate Lien Debt 2	\$0	\$78,499	\$78,499	\$78,499	\$78,499	\$78,499
7	New Subordinate Lien Debt 3	0	0	0	0	0	0
8	New Subordinate Lien Debt 4	0	0	0	0	0	0
9	Total Proposed Junior Lien Debt Service Payments	\$0	\$78,499	\$78,499	\$78,499	\$78,499	\$78,499
10	Total Stormwater Debt Service Payments	\$57,951	\$136,595	\$128,370	\$128,045	\$119,603	\$78,499

Table 3-9
City of Edgewater, Florida
Stormwater Utility Rate Study

Projection of Operating and Other Transfers

Line No.	Description	Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
PILOFF - Stormwater							
1	Current Year Rate Revenues	\$2,096,500	\$2,111,826	\$2,304,415	\$2,499,558	\$2,697,256	\$2,761,687
2	PILOFF Percentage	5.25%	5.90%	5.90%	5.90%	5.90%	5.90%
3	PILOFF - Stormwater [1]	\$110,043	\$124,598	\$135,960	\$147,474	\$159,138	\$162,940
4	Total PILOFF	<u>\$110,043</u>	<u>\$124,598</u>	<u>\$135,960</u>	<u>\$147,474</u>	<u>\$159,138</u>	<u>\$162,940</u>
Charter Reserve Transfer							
5	Charter Reserve Transfer	\$15	\$15	\$15	\$15	\$15	\$15
6	Total Transfers	<u><u>\$110,058</u></u>	<u><u>\$124,612</u></u>	<u><u>\$135,975</u></u>	<u><u>\$147,489</u></u>	<u><u>\$159,153</u></u>	<u><u>\$162,954</u></u>

Footnotes:

[1] Amounts reflect fund transfers budgeted in the Fiscal Year 2020 Operating Budget.

Table 3-10
City of Edgewater, Florida
Stormwater Utility Rate Study

Projection of Ending Cash Balances and Interest Income

Line No.	Description	Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
<u>Year End Cash Balances Roll-Up</u>							
1	Operating Fund (448)	\$2,069,227	\$1,916,594	\$1,774,228	\$1,834,910	\$704,010	\$690,425
2	Charter Reserve Fund	277,506	277,798	278,091	278,384	278,677	278,970
3	Total Ending Cash Balance	<u>\$2,346,733</u>	<u>\$2,194,393</u>	<u>\$2,052,319</u>	<u>\$2,113,293</u>	<u>\$982,687</u>	<u>\$969,395</u>
<u>Operating/General Revenue Account</u>							
4	Beginning Balance	\$1,741,752	\$2,069,227	\$1,916,594	\$1,774,228	\$1,834,910	\$704,010
5	Transfer In - Stormwater Revenue	2,096,500	2,111,826	2,304,415	2,499,558	2,697,256	2,761,687
6	Transfer In - R&R Fund	0	0	0	0	0	0
7	Transfer In - Stormwater Capital Fund	0	0	0	0	0	0
8	Transfer In - Existing Construction Fund	0	0	0	0	0	0
9	Transfer In - Debt Service Reserve	0	0	0	0	0	0
10	Transfers In - Grant Reimbursements / Sale of Surplus	3,000	0	0	0	0	0
11	Transfers Out - Revenue Requirements	1,772,025	2,264,459	2,446,781	2,438,876	3,828,155	2,775,272
12	Transfers Out - Capital Improvements	0	0	0	0	0	0
13	Transfers Out - R&R Fund	0	0	0	0	0	0
14	Transfers Out - Stormwater Capital Fund	0	0	0	0	0	0
15	Transfers Out - Existing Construction Fund	0	0	0	0	0	0
16	Transfers In (Out)	0	0	0	0	0	0
17	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
18	Interest Income	1,905	1,993	1,845	1,805	1,269	697
	Recognition of Interest Earnings						
19	in Revenue Requirements	1,905	1,993	1,845	1,805	1,269	697
20	Ending Balance	2,069,227	1,916,594	1,774,228	1,834,910	704,010	690,425
21	Target Days of Available Cash: 60 Days of Revenue	344,630	347,149	378,808	410,886	443,384	453,976
22	Calculated Days of Available Cash (Revenue)	360	331	281	268	95	91
<u>Charter Reserve Fund</u>							
23	Beginning Balance [1]	\$277,214	\$277,506	\$277,798	\$278,091	\$278,384	\$278,677
24	Transfers In - Operating Reserves	0	0	0	0	0	0
25	Transfers In - Charter Reserve Deposit	15	15	15	15	15	15
26	Transfers In - Stormwater Capital Fund	0	0	0	0	0	0
27	Transfers Out - Operating Reserves	0	0	0	0	0	0
28	Transfers Out - Stormwater Capital Fund	0	0	0	0	0	0
29	Transfers Out - Capital Improvements	0	0	0	0	0	0
30	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
31	Interest Income	277	278	278	278	278	279
	Recognition of Interest Earnings						
32	in Revenue Requirements	0	0	0	0	0	0
33	Ending Balance	277,506	277,798	278,091	278,384	278,677	278,970
<u>Debt Service Sinking Fund</u>							
Annual Sinking Fund Deposit							
34	Total Debt Service	\$57,951	\$136,595	\$128,370	\$128,045	\$119,603	\$78,499
35	Average Balance (25% of annual debt service)	14,500	34,100	32,100	32,000	29,900	19,600
36	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
37	Interest Income	15	34	32	32	30	20
	Recognition of Interest Earnings						
38	in Revenue Requirements	15	34	32	32	30	20
39	Ending Balance	43,451	102,495	96,270	96,045	89,703	58,899
40	Total Unrestricted Interest Income	<u><u>\$2,197</u></u>	<u><u>\$2,305</u></u>	<u><u>\$2,155</u></u>	<u><u>\$2,115</u></u>	<u><u>\$1,578</u></u>	<u><u>\$996</u></u>

Table 3-11
City of Edgewater, Florida
Stormwater Utility Rate Study

Projected Stormwater System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
1	Operating Expenses [1]	\$1,257,614	\$1,354,422	\$1,409,098	\$1,466,718	\$1,527,500	\$1,591,684
	<u>Existing Debt Service [2]</u>						
2	Capital Improvement Revenue Note, Series 2014	\$49,911	\$50,056	\$49,671	\$49,546	\$41,105	\$0
3	Capital Improvement Revenue Note, Series 2015	0	0	0	0	0	0
4	Vehicle Lease 2016 Amer Cap Svc	8,040	8,040	201	0	0	0
5	Total Existing Debt	\$57,951	\$58,096	\$49,872	\$49,546	\$41,105	\$0
	<u>Proposed Debt Service [3]</u>						
6	New Subordinate Lien Debt 1	0	0	0	0	0	0
7	New Subordinate Lien Debt 2	0	78,499	78,499	78,499	78,499	78,499
8	New Subordinate Lien Debt 3	0	0	0	0	0	0
9	New Subordinate Lien Debt 4	0	0	0	0	0	0
10	Total Proposed Debt	\$0	\$78,499	\$78,499	\$78,499	\$78,499	\$78,499
11	Total Debt Service	\$57,951	\$136,595	\$128,370	\$128,045	\$119,603	\$78,499
	<u>Other Revenue Requirements</u>						
12	Transfer to Operating Reserves	\$0	\$0	\$0	\$0	\$0	\$0
13	Cost Allocation	0	0	0	0	0	0
14	Payment In Lieu of Franchise Fee [4]	110,043	124,598	135,960	147,474	159,138	162,940
15	Transfer to Charter Reserve Fund	15	15	15	15	15	15
16	Capital Funded from Rates [5]	357,000	659,534	783,893	707,140	2,031,877	951,530
17	Total Other Revenue Requirements	\$467,058	\$784,147	\$919,868	\$854,629	\$2,191,030	\$1,114,484
18	Gross Revenue Requirements	\$1,782,622	\$2,275,163	\$2,457,337	\$2,449,391	\$3,838,133	\$2,784,667
	<u>Less Income and Funds from Other Sources</u>						
19	Other Operating Revenue [6]	\$8,400	\$8,400	\$8,400	\$8,400	\$8,400	\$8,400
20	Uses of Reserves	0	0	0	0	0	0
21	Unrestricted Interest Income [7]	2,197	2,305	2,155	2,115	1,578	996
22	Transfer from General Fund	0	0	0	0	0	0
23	Net Revenue Requirements	\$1,772,025	\$2,264,459	\$2,446,781	\$2,438,876	\$3,828,155	\$2,775,272
	<u>Revenue from Rates</u>						
	<u>Stormwater Base Fee</u>						
24	Stormwater Rate Revenue - Existing Rates	\$1,371,496	\$1,381,890	\$1,392,284	\$1,402,678	\$1,413,072	\$1,423,466
25	Prior Year Rate Adjustments	0	0	0	116,890	235,512	355,867
26	Total Rate Revenue Before Current Year Adjustment	\$1,371,496	\$1,381,890	\$1,392,284	\$1,519,568	\$1,648,584	\$1,779,333
	<u>Current Year Rate Adjustments - Base Fee</u>						
27	Current Year Rate Adjustments	0.0%	0.0%	8.3%	7.7%	7.1%	1.7%
28	Effective Month	October	October	October	October	October	October
29	% of Current Year Effective	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
30	Revenue From Current Year Rate Adjustments	\$0	\$0	\$116,024	\$116,890	\$117,756	\$29,656
31	Total Revenue from Rates - Base Fee	\$1,371,496	\$1,381,890	\$1,508,308	\$1,636,458	\$1,766,341	\$1,808,989
	<u>Stormwater Assessment Fee</u>						
32	Stormwater Rate Revenue - Existing Rates	\$725,004	\$729,936	\$734,868	\$739,800	\$744,732	\$749,664
33	Prior Year Rate Adjustments	0	0	0	61,650	124,122	187,416
34	Total Rate Revenue Before Current Year Adjustment	\$725,004	\$729,936	\$734,868	\$801,450	\$868,854	\$937,080

Table 3-11
City of Edgewater, Florida
Stormwater Utility Rate Study

Projected Stormwater System Revenue Requirements

Line No.	Description	Fiscal Year Ending September 30,					
		2020	2021	2022	2023	2024	2025
<u>Current Year Rate Adjustments - Assessment Fee</u>							
35	Current Year Rate Adjustments	0.0%	0.0%	8.3%	7.7%	7.1%	1.7%
36	Effective Month	October	October	October	October	October	October
37	% of Current Year Effective	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
38	Revenue From Current Year Rate Adjustments	\$0	\$0	\$61,239	\$61,650	\$62,061	\$15,618
39	Total Revenue from Rates - Assessment Fee	\$725,004	\$729,936	\$796,107	\$863,100	\$930,915	\$952,698
<u>Combined Revenue from Rates</u>							
40	Stormwater Rate Revenue - Existing Rates	\$2,096,500	\$2,111,826	\$2,127,152	\$2,142,478	\$2,157,804	\$2,173,130
41	Prior Year Rate Adjustments	0	0	0	178,540	359,634	543,283
42	Total Rate Revenue Before Current Year Adjustment	\$2,096,500	\$2,111,826	\$2,127,152	\$2,321,018	\$2,517,438	\$2,716,413
<u>Current Year Rate Adjustments</u>							
43	Current Year Rate Adjustments	0.0%	0.0%	8.3%	7.7%	7.1%	1.7%
44	Effective Month	October	October	October	October	October	October
45	% of Current Year Effective	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
46	Revenue From Current Year Rate Adjustments	\$0	\$0	\$177,263	\$178,540	\$179,817	\$45,274
47	Total Revenue from Rates	\$2,096,500	\$2,111,826	\$2,304,415	\$2,499,558	\$2,697,256	\$2,761,687
48	Revenue Surplus/(Deficiency) [8]	\$324,475	(\$152,633)	(\$142,366)	\$60,682	(\$1,130,900)	(\$13,585)
49	Percentage Revenue Surplus/(Deficiency)	15.5%	-7.2%	-6.2%	2.4%	-41.9%	-0.5%

Footnotes:

- [1] Amounts shown based on Table 3-5.
- [2] Payment amounts shown were based on debt service schedules provided by City Staff.
- [3] Amounts shown represent payments on proposed capital leases utilized in the funding of the CIP.
- [4] Amount shown is a transfer to the City's General Fund and is based on 5.9% of the previous Fiscal Year's revenues.
- [5] Amounts based on the proposed capital funding plan.
- [6] Amounts based on projection of other operating revenues as shown on Table 3-2.
- [7] Interest income is estimated on earnings on projected fund balances from unrestricted reserves.
- [8] The forecast assumes that any deficiencies will be funded from available operating reserves.

Table 3-12
City of Edgewater, Florida
Stormwater Utility Rate Study

Projection of Debt Service Coverage Compliance

Line No.	Description	Fiscal Year Ending September 30					
		2020	2021	2022	2023	2024	2025
Gross Revenues							
Stormwater Revenues							
1	Revenues from Existing Rates	[1] \$2,096,500	\$2,111,826	\$2,127,152	\$2,142,478	\$2,157,804	\$2,173,130
2	Revenues from Proposed Rate Adjustments	[2] 0	0	177,263	357,080	539,451	588,556
3	Total Rate Revenues	\$2,096,500	\$2,111,826	\$2,304,415	\$2,499,558	\$2,697,256	\$2,761,687
4	Other Operating Revenue	8,400	8,400	8,400	8,400	8,400	8,400
5	Unrestricted Interest Income	[3] 2,197	2,305	2,155	2,115	1,578	996
6	Total System Gross Revenues	\$2,107,097	\$2,122,531	\$2,314,970	\$2,510,073	\$2,707,233	\$2,771,082
7	Operation and Maintenance Expenses	\$1,257,614	\$1,354,422	\$1,409,098	\$1,466,718	\$1,527,500	\$1,591,684
8	Net Revenues	\$849,484	\$768,109	\$905,872	\$1,043,355	\$1,179,733	\$1,179,398
Senior Lien Coverage							
9	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
10	Additional Bonds 2	0	0	0	0	0	0
11	Additional Bonds 3	0	0	0	0	0	0
12	Additional Bonds 4	0	0	0	0	0	0
13	Annual Debt Service - Senior Lien Debt	\$0	\$0	\$0	\$0	\$0	\$0
	Coverage Ratio - Calculated	N/A	N/A	N/A	N/A	N/A	N/A
14	Coverage Ratio - Required	1.15	1.15	1.15	1.15	1.15	1.15
Subordinate Lien Coverage							
15	Net Revenues	\$849,484	\$768,109	\$905,872	\$1,043,355	\$1,179,733	\$1,179,398
16	Less Senior Lien Debt Service (Inc. Coverage)	0	0	0	0	0	0
17	Net Revenues less Senior Lien Debt Service	\$849,484	\$768,109	\$905,872	\$1,043,355	\$1,179,733	\$1,179,398
Subordinate Debt Service:							
Existing Debt Service							
18	Capital Improvement Revenue Note, Series 2014	[4] \$49,911	\$50,056	\$49,671	\$49,546	\$41,105	\$0
19	Capital Improvement Revenue Note, Series 2015	[5] 0	0	0	0	0	0
20	Vehicle Lease 2016 Amer Cap Svc	8,040	8,040	201	0	0	0
Proposed Debt Service							
21	Additional Subordinate Lien Debt 1	[5] \$0	\$0	\$0	\$0	\$0	\$0
22	Additional Subordinate Lien Debt 2	0	78,499	78,499	78,499	78,499	78,499
23	Additional Subordinate Lien Debt 3	0	0	0	0	0	0
24	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
25	Annual Debt Service - Subordinate Lien Debt	\$57,951	\$136,595	\$128,370	\$128,045	\$119,603	\$78,499
26	Coverage Ratio - Calculated	14.66	5.62	7.06	8.15	9.86	15.02
27	Coverage Ratio - Required	1.15	1.15	1.15	1.15	1.15	1.15
28	Net Revenues less Senior & Junior Lien Debt Service	\$791,533	\$631,514	\$777,502	\$915,310	\$1,060,130	\$1,100,899
All-In Debt Service Coverage							
29	Combined All-In Debt Service Payments	\$57,951	\$136,595	\$128,370	\$128,045	\$119,603	\$78,499
30	Coverage Ratio - Calculated	14.66	5.62	7.06	8.15	9.86	15.02
31	Coverage Ratio - Target	1.50	1.50	1.50	1.50	1.50	1.50
Other Uses / (Sources) of Funds							
32	Payment In Lieu of Franchise Fee	[6] \$110,043	\$124,598	\$135,960	\$147,474	\$159,138	\$162,940
33	Transfer to Charter Reserve Fund	15	15	15	15	15	15
34	Capital Funded from Rates	357,000	659,534	783,893	707,140	2,031,877	951,530
35	Transfer From General Fund	0	0	0	0	0	0
36	Net transfer from / (to) Reserves	0	0	0	0	0	0
37	Net Transfer to (from) Reserves	\$324,475	(\$152,633)	(\$142,366)	\$60,682	(\$1,130,900)	(\$13,585)

Table 3-12
City of Edgewater, Florida
Stormwater Utility Rate Study

Projection of Debt Service Coverage Compliance

Footnotes:

[1] Projected revenue from rates reflects existing rates effective October 1, 2019.

[2] Revenue from rate adjustments reflect the following projected rate increases effective October 1st of each year.

<u>Fiscal Year</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Rate Adjustment	0.00%	0.00%	8.33%	7.69%	7.14%	1.67%

[3] Amounts shown only reflect earnings from funds and accounts established by the City that are considered unrestricted (earnings not required to be retained in such funds and accounts and are available as a component of Net Revenues)

[4] Amounts shown represent a transfer to the City's General fund for the Utility System's allocation (33.85%) of the Capital Improvement Revenue Note, Series 2014.

[5] Amounts shown represent a transfer to the City's General fund for the Utility System's allocation (9.00%) of the Capital Improvement Revenue Note, Series 2015. Loan was recently paid off in 2017.

[6] Amounts shown represent a transfer to the City's General fund for Payment in Lieu of Franchise Fees (PILOFF), which is a transfer made based on 5.90% of the previous year's rate revenue.

Table 3-13
City of Edgewater, Florida
Stormwater Utility Rate Study

Comparison of Monthly Residential Stormwater Rates [1]

Line No.	Description	Monthly Stormwater Rate per ERU	Impervious Surface per ERU
City of Edgewater			
1	Existing Rates	\$12.00	2,027
2	Proposed Rates - Fiscal Year 2021	12.00	2,027
<u>Other Florida Utilities</u>			
3	City of Daytona Beach	\$10.76	1,661
4	City of DeLand	8.99	3,100
5	City of Deltona	10.67	3,484
6	City of Eustis	6.00	2,187
7	City of Holly Hill	8.00	2,050
8	New Smyrna Beach Utilities Commission	7.33	1,818
9	City of Ormond Beach	8.00	3,000
10	City of Palm Coast	15.55	3,682
11	City of Port Orange	8.25	3,050
12	City of Sanford	9.27	2,126
13	City of South Daytona	9.00	2,000
14	Volusia County	6.00	2,775
15	Other Utilities' Average	\$8.98	2,578
16	Minimum	6.00	1,661
17	Maximum	15.55	3,682

Footnotes:

[1] Unless otherwise noted, amounts shown reflect rates in effect May 2020 and are exclusive of taxes or franchise fees, if any. All rates are as reported by the respective local government.

APPENDICES



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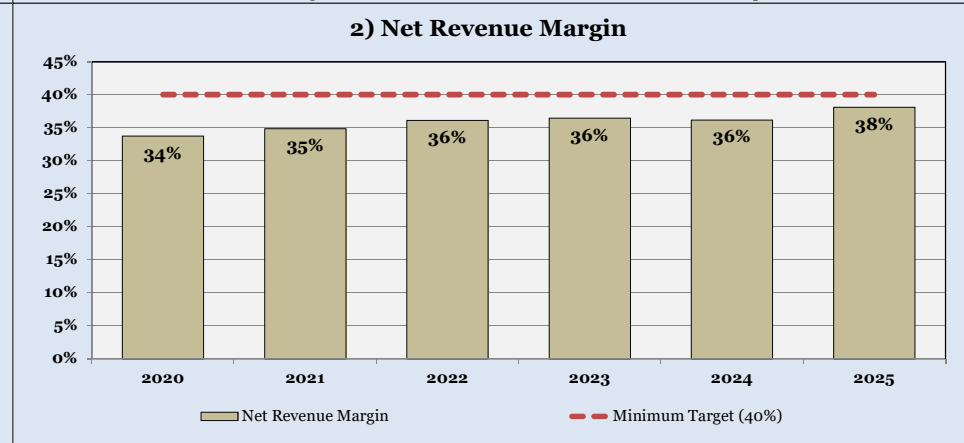
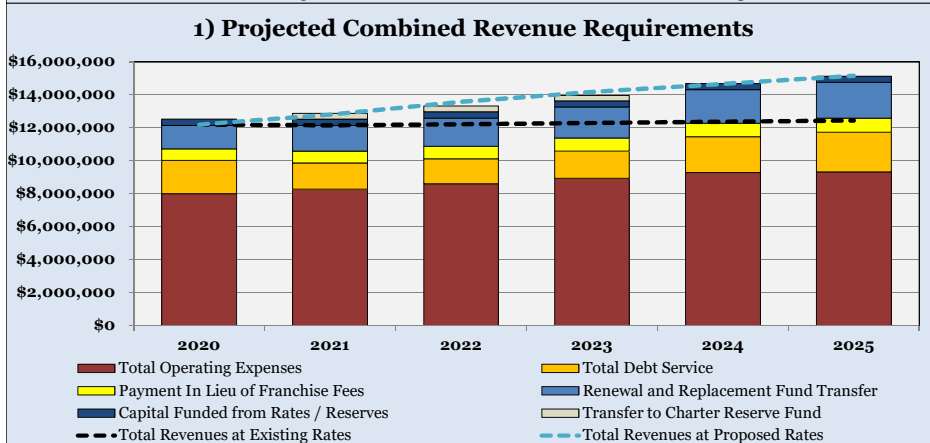
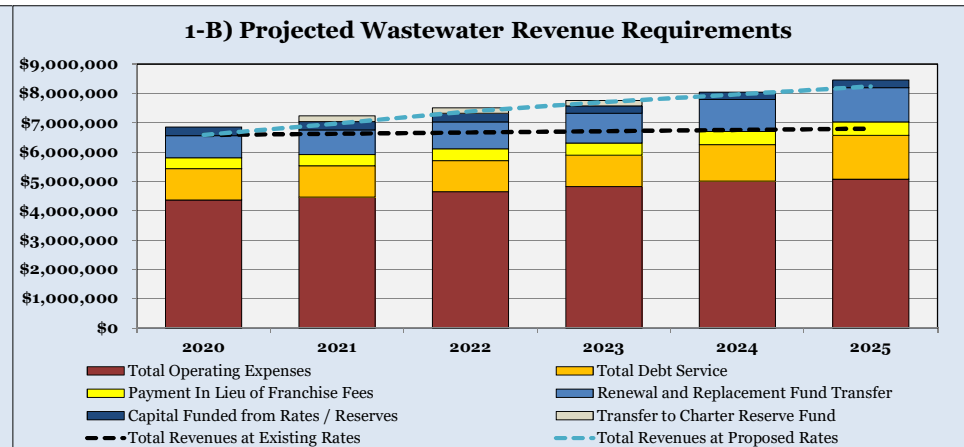
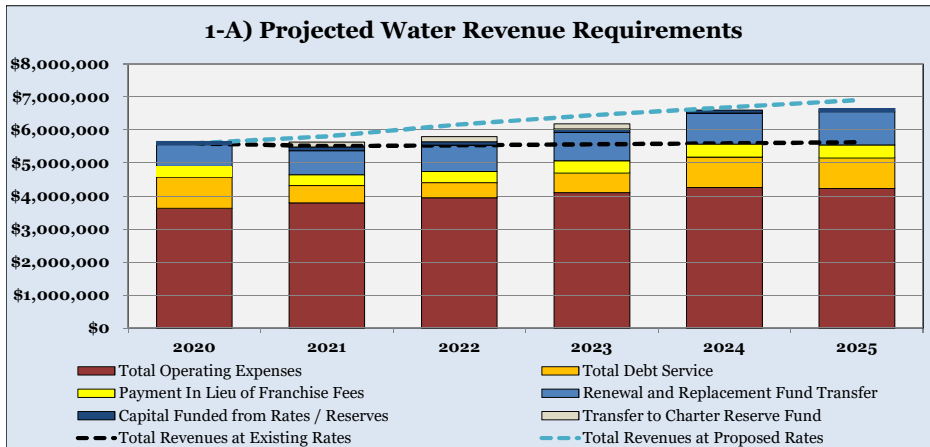


Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2020	2021	2022	2023	2024	2025		2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$61,762)	\$179,292	\$373,700	\$262,360	\$69,456	\$247,424
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	(273,972)	(255,539)	(115,069)	(54,083)	(79,433)	(217,617)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$335,734)	(\$76,247)	\$258,631	\$208,277	(\$9,977)	\$29,807
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-2.98%	-0.64%	2.02%	1.56%	-0.07%	0.21%
Wastewater Revenue Adj.	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$26.38	\$27.96	\$29.64	\$30.83	\$31.75	\$32.70
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	44.05	46.69	49.49	51.47	53.02	54.61
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$70.43	\$74.66	\$79.14	\$82.30	\$84.77	\$87.31
Combined Adjustment	N/A	5.75%	5.76%	3.95%	3.03%	3.04%	Monthly Increase - Total	N/A	\$4.23	\$4.48	\$3.17	\$2.47	\$2.54
Cumulative Adjustment	N/A	5.75%	11.85%	16.26%	19.79%	23.43%	Monthly Increase - Cost Per Gallon	N/A	\$0.0011	\$0.0011	\$0.0008	\$0.0006	\$0.0006



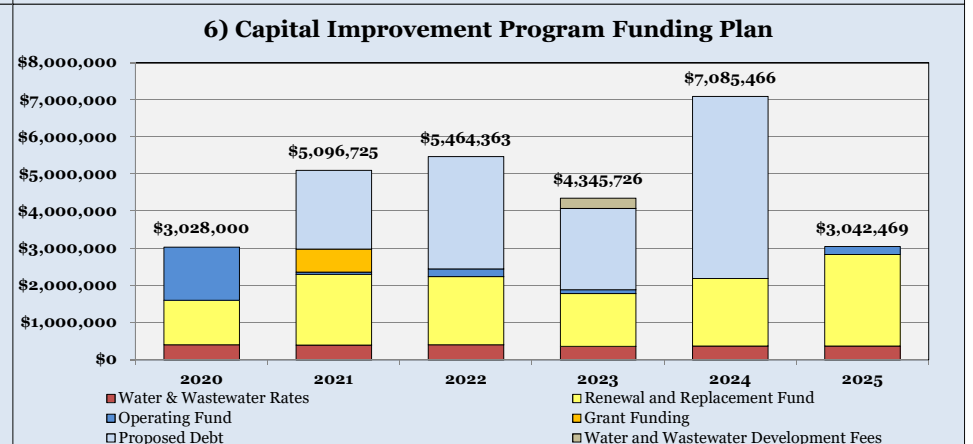
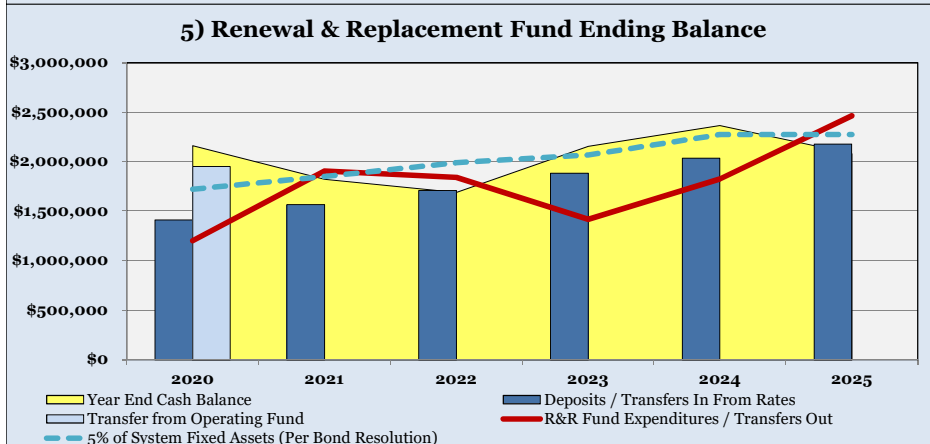
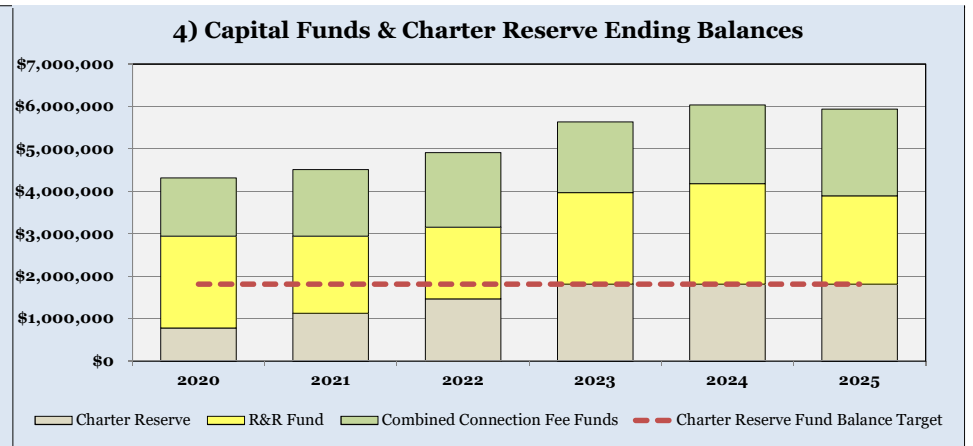
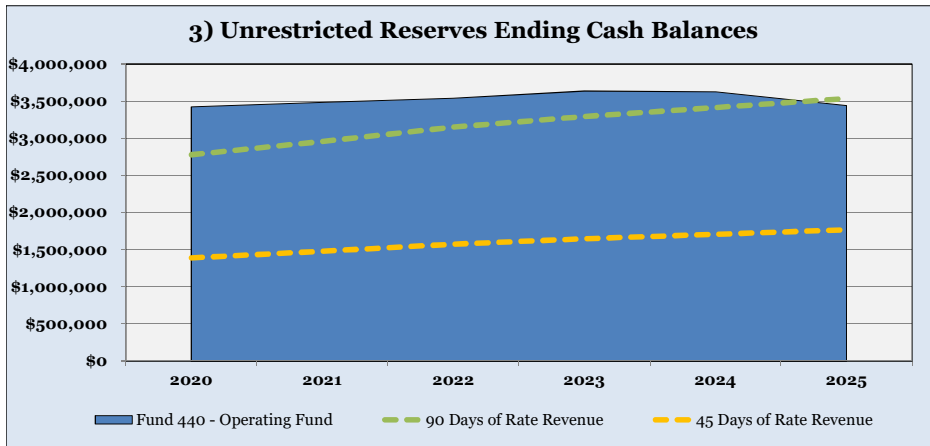


Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2020	2021	2022	2023	2024	2025		2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$61,762)	\$179,292	\$373,700	\$262,360	\$69,456	\$247,424
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	(273,972)	(255,539)	(115,069)	(54,083)	(79,433)	(217,617)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$335,734)	(\$76,247)	\$258,631	\$208,277	(\$9,977)	\$29,807
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-2.98%	-0.64%	2.02%	1.56%	-0.07%	0.21%
Wastewater Revenue Adj.	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$26.38	\$27.96	\$29.64	\$30.83	\$31.75	\$32.70
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	44.05	46.69	49.49	51.47	53.02	54.61
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$70.43	\$74.66	\$79.14	\$82.30	\$84.77	\$87.31
Combined Adjustment	N/A	5.75%	5.76%	3.95%	3.03%	3.04%	Monthly Increase - Total	N/A	\$4.23	\$4.48	\$3.17	\$2.47	\$2.54
Cumulative Adjustment	N/A	5.75%	11.85%	16.26%	19.79%	23.43%	Monthly Increase - Cost Per Gallon	N/A	\$0.0011	\$0.0011	\$0.0008	\$0.0006	\$0.0006



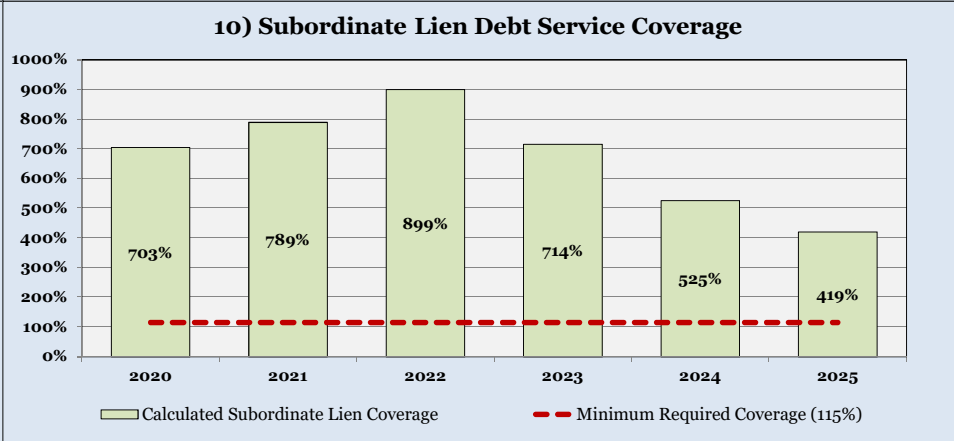
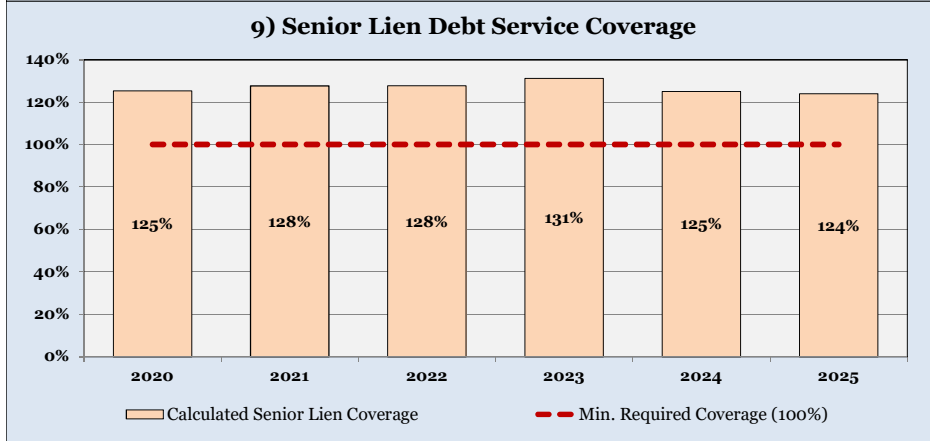
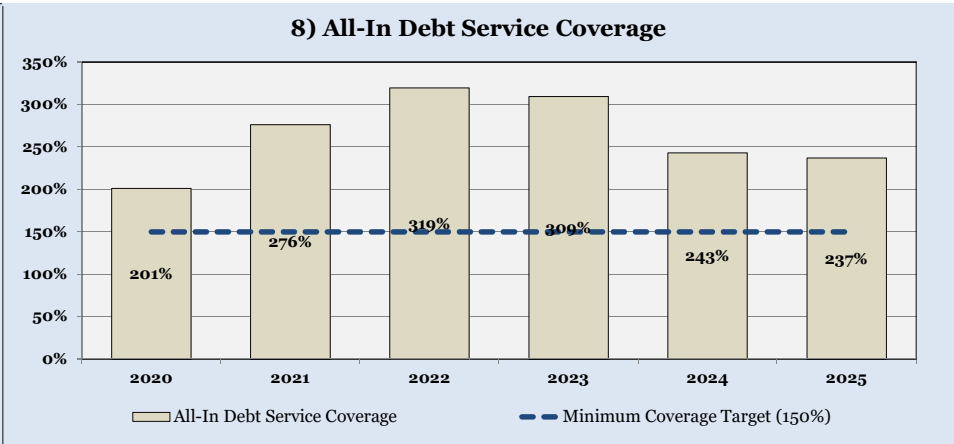
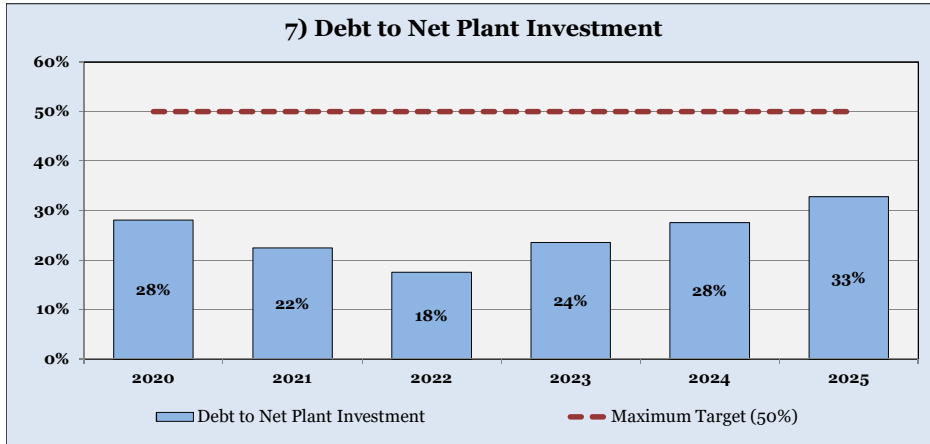


**Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study**



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2020	2021	2022	2023	2024	2025		2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$61,762)	\$179,292	\$373,700	\$262,360	\$69,456	\$247,424
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	(273,972)	(255,539)	(115,069)	(54,083)	(79,433)	(217,617)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$335,734)	(\$76,247)	\$258,631	\$208,277	(\$9,977)	\$29,807
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-2.98%	-0.64%	2.02%	1.56%	-0.07%	0.21%
Wastewater Revenue Adj.	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$26.38	\$27.96	\$29.64	\$30.83	\$31.75	\$32.70
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	44.05	46.69	49.49	51.47	53.02	54.61
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$70.43	\$74.66	\$79.14	\$82.30	\$84.77	\$87.31
Combined Adjustment	N/A	5.75%	5.76%	3.95%	3.03%	3.04%	Monthly Increase - Total	N/A	\$4.23	\$4.48	\$3.17	\$2.47	\$2.54
Cumulative Adjustment	N/A	5.75%	11.85%	16.26%	19.79%	23.43%	Monthly Increase - Cost Per Gallon	N/A	\$0.0011	\$0.0011	\$0.0008	\$0.0006	\$0.0006



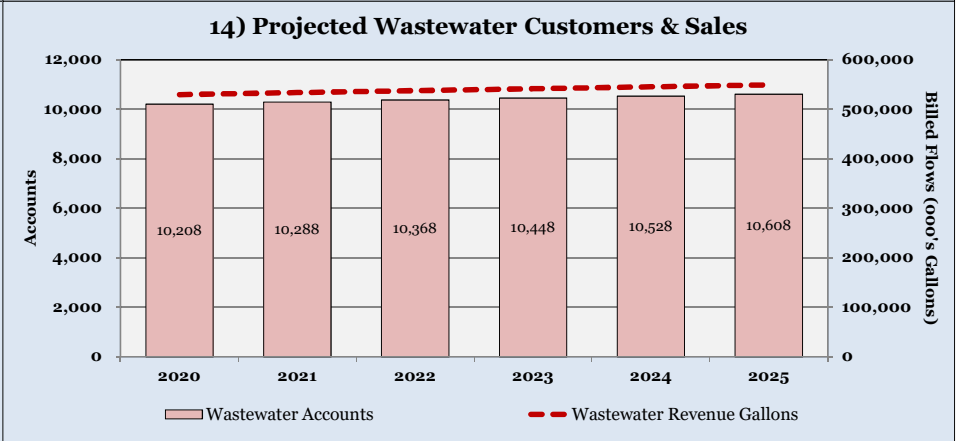
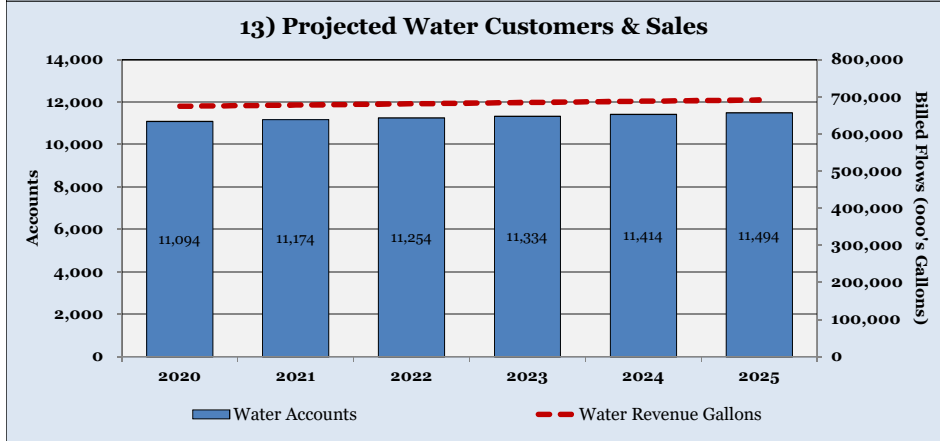
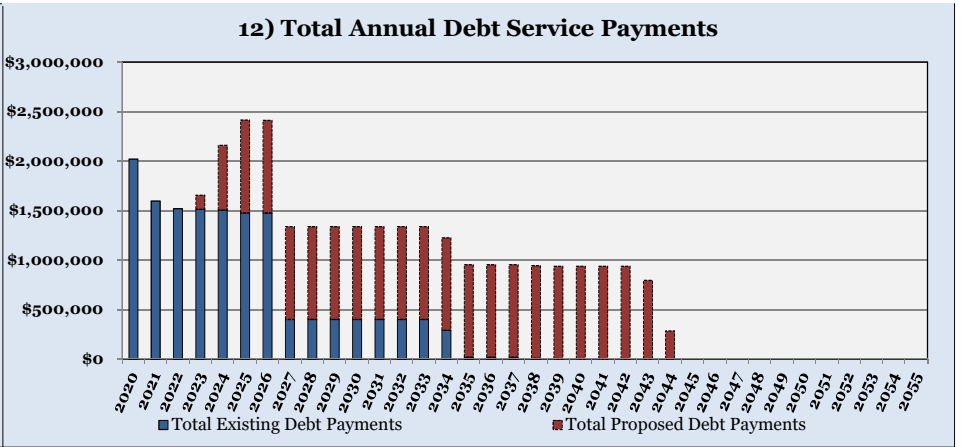
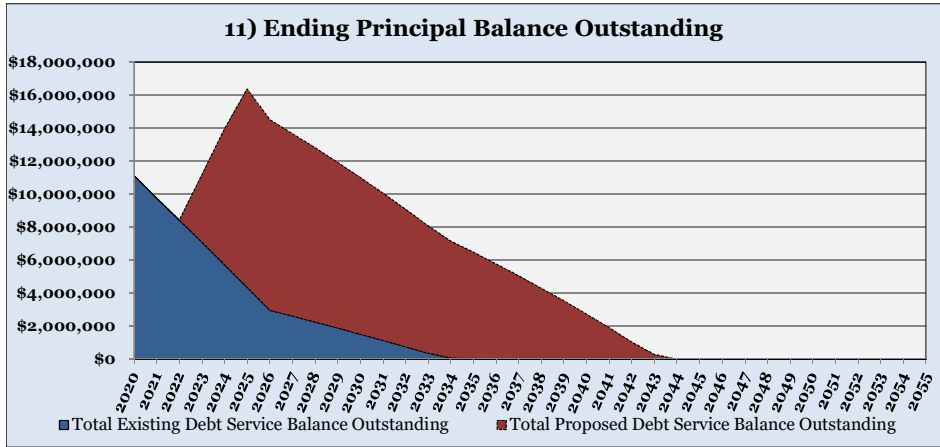


Appendix I
City of Edgewater, Florida
Water and Wastewater Utility Rate Study



Water and Wastewater System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2020	2021	2022	2023	2024	2025		2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency):						
Water Revenue Adjustment	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$61,762)	\$179,292	\$373,700	\$262,360	\$69,456	\$247,424
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	(273,972)	(255,539)	(115,069)	(54,083)	(79,433)	(217,617)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$335,734)	(\$76,247)	\$258,631	\$208,277	(\$9,977)	\$29,807
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-2.98%	-0.64%	2.02%	1.56%	-0.07%	0.21%
Wastewater Revenue Adj.	0.00%	6.00%	6.00%	4.00%	3.00%	3.00%	Average Residential Bill:						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$26.38	\$27.96	\$29.64	\$30.83	\$31.75	\$32.70
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	44.05	46.69	49.49	51.47	53.02	54.61
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$70.43	\$74.66	\$79.14	\$82.30	\$84.77	\$87.31
Combined Adjustment	N/A	5.75%	5.76%	3.95%	3.03%	3.04%	Monthly Increase - Total	N/A	\$4.23	\$4.48	\$3.17	\$2.47	\$2.54
Cumulative Adjustment	N/A	5.75%	11.85%	16.26%	19.79%	23.43%	Monthly Increase - Cost Per Gallon	N/A	\$0.0011	\$0.0011	\$0.0008	\$0.0006	\$0.0006



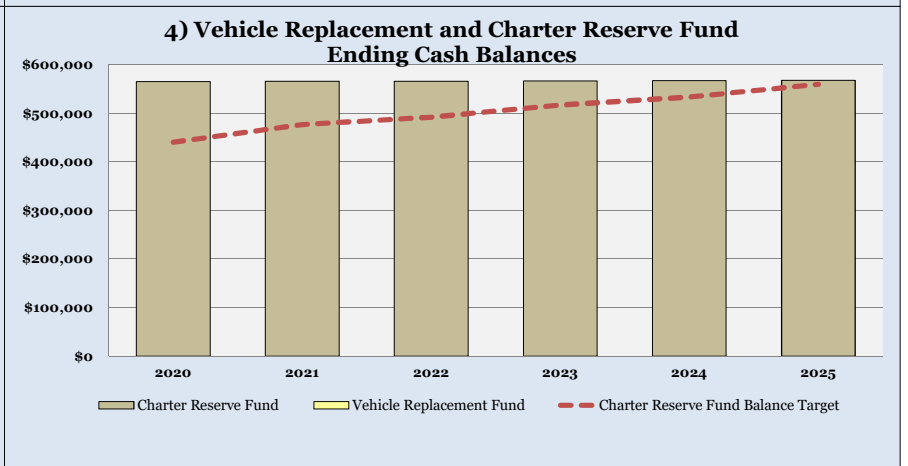
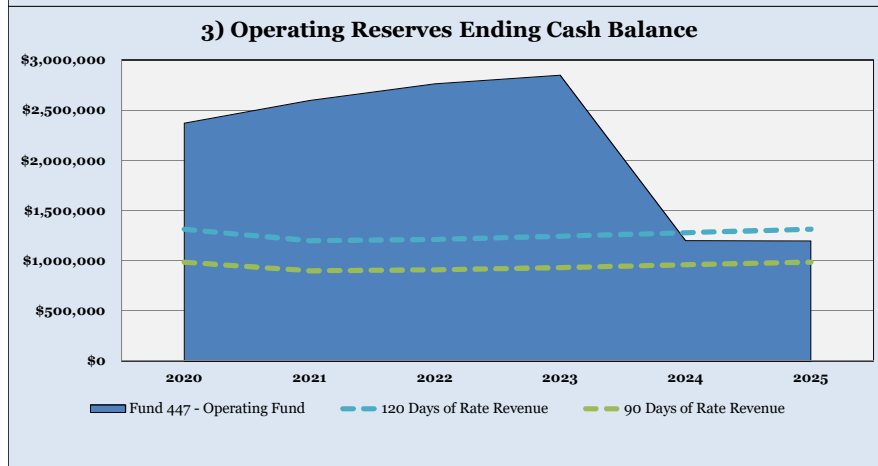
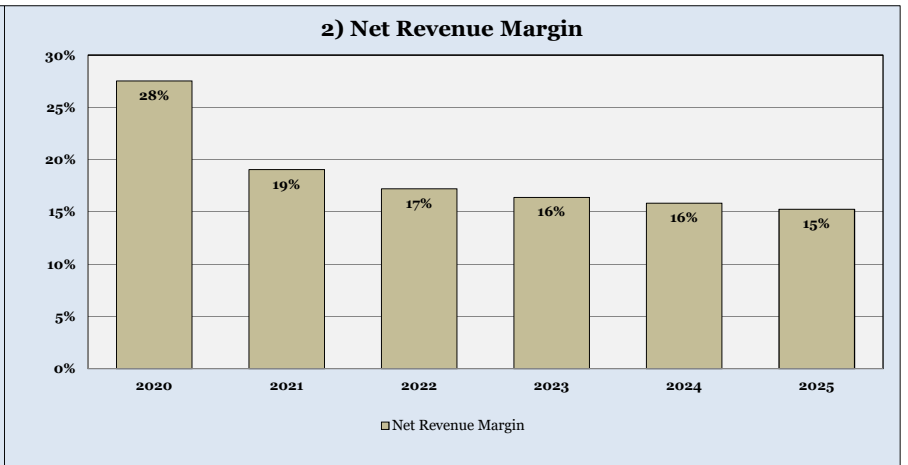
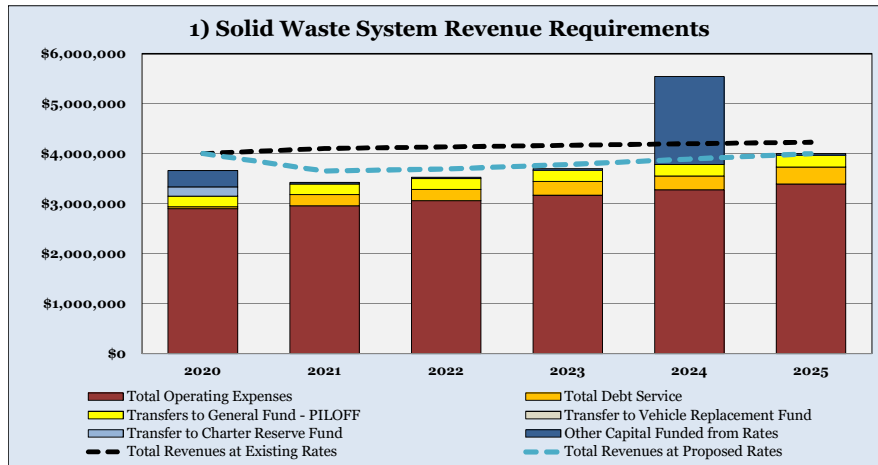


**Appendix 2
City of Edgewater, Florida
Solid Waste Utility Rate Study**



Solid Waste System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2020	2021	2022	2023	2024	2025		2020 Base	2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency)							
Solid Waste Collection Revenue Adjustment	0.00%	-12.50%	0.00%	1.50%	2.00%	2.00%	Percent of Rate Revenues	\$342,758	\$227,557	\$166,088	\$85,452	(\$1,649,779)	(\$222)	
Effective Month of Increase	Jul.	Oct.	Oct.	Oct.	Oct.	Oct.		8.57%	6.24%	4.50%	2.26%	-42.43%	-0.01%	
Recycling Revenue Adjustment	0.00%	0.00%	2.60%	2.50%	2.40%	2.30%	Average Residential Bill:							
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Solid Waste Collection	\$29.04	\$29.04	\$25.41	\$25.41	\$25.79	\$26.31	\$26.84
Combined Adjustment	N/A	-10.92%	0.37%	1.65%	2.06%	2.04%	Recycling	4.31	4.31	4.31	4.42	4.53	4.64	4.75
Cumulative Adjustment	N/A	-10.92%	-10.59%	-9.12%	-7.25%	-5.35%	Total Solid Waste Bill	\$33.35	\$33.35	\$29.72	\$29.83	\$30.32	\$30.95	\$31.59
							Annual Increase - Total	N/A	\$0.00	(\$3.63)	\$0.11	\$0.49	\$0.63	\$0.64



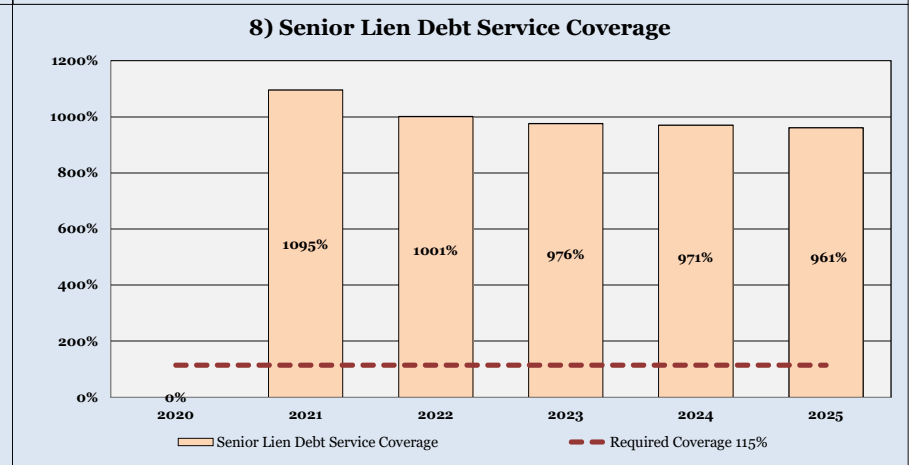
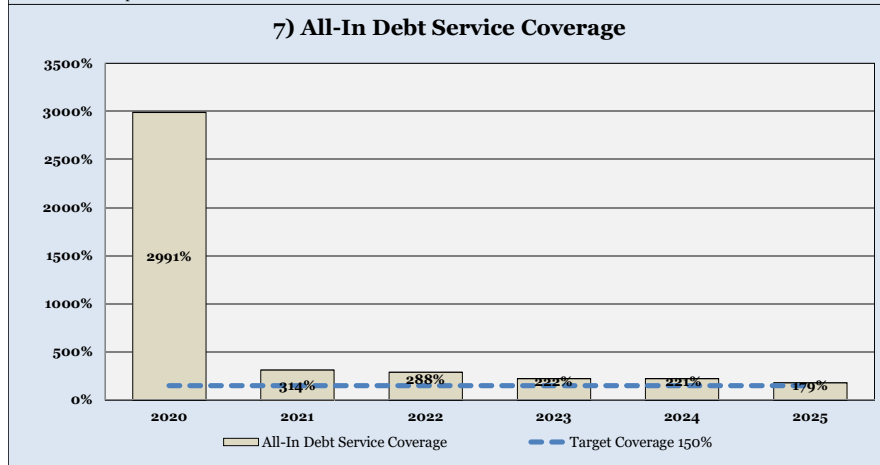
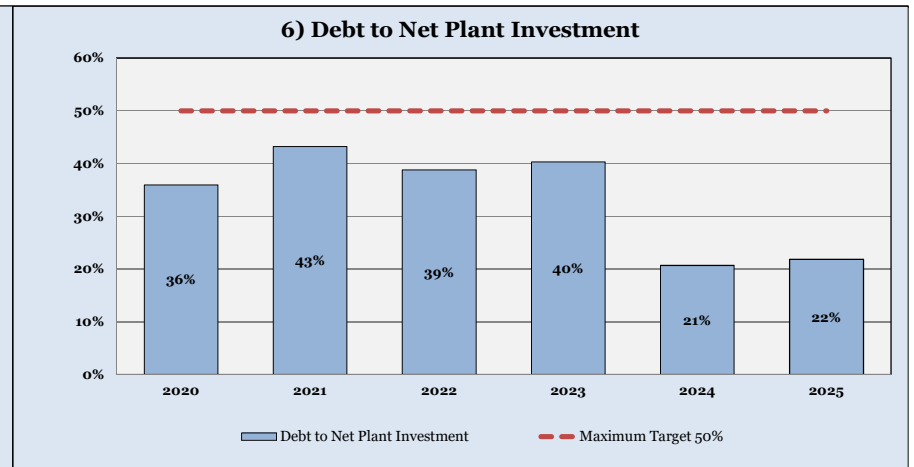
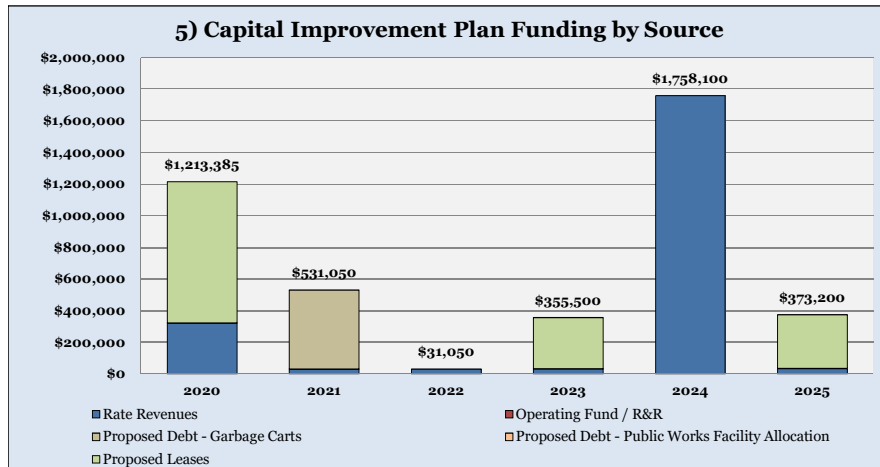


**Appendix 2
City of Edgewater, Florida
Solid Waste Utility Rate Study**



Solid Waste System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2020	2021	2022	2023	2024	2025		2020 Base	2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency)	\$342,758	\$227,557	\$166,088	\$85,452	(\$1,649,779)	(\$222)	
Solid Waste Collection Revenue Adjustment	0.00%	-12.50%	0.00%	1.50%	2.00%	2.00%	Percent of Rate Revenues	8.57%	6.24%	4.50%	2.26%	-42.43%	-0.01%	
Effective Month of Increase	Jul.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Residential Bill:							
Recycling Revenue Adjustment	0.00%	0.00%	2.60%	2.50%	2.40%	2.30%	Solid Waste Collection	\$29.04	\$29.04	\$25.41	\$25.41	\$25.79	\$26.31	\$26.84
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	4.31	4.31	4.31	4.42	4.53	4.64	4.75
Combined Adjustment	N/A	-10.92%	0.37%	1.65%	2.06%	2.04%	Total Solid Waste Bill	\$33.35	\$33.35	\$29.72	\$29.83	\$30.32	\$30.95	\$31.59
Cumulative Adjustment	N/A	-10.92%	-10.59%	-9.12%	-7.25%	-5.35%	Annual Increase - Total	N/A	\$0.00	(\$3.63)	\$0.11	\$0.49	\$0.63	\$0.64



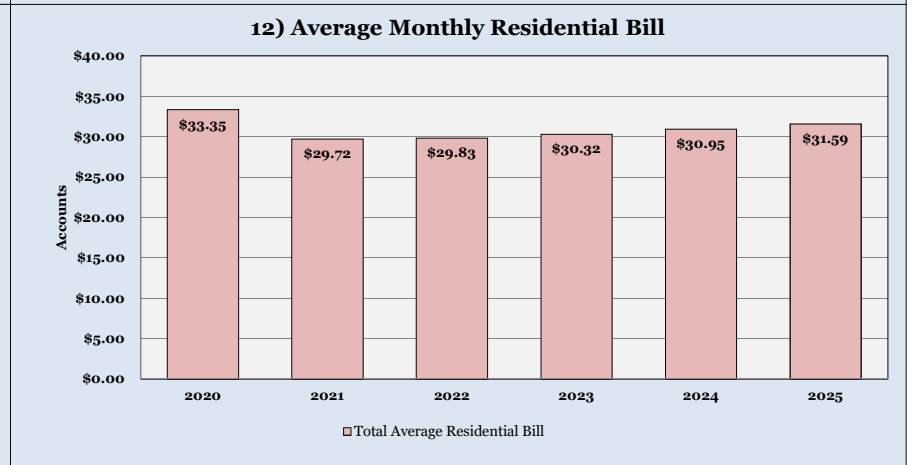
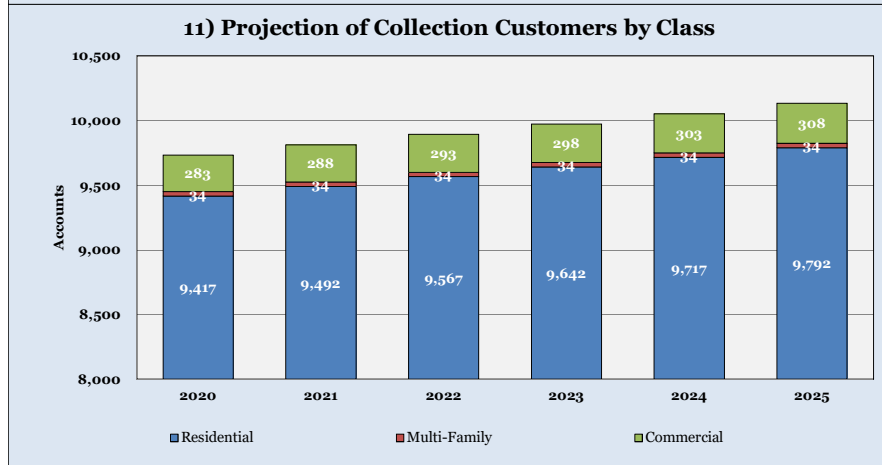
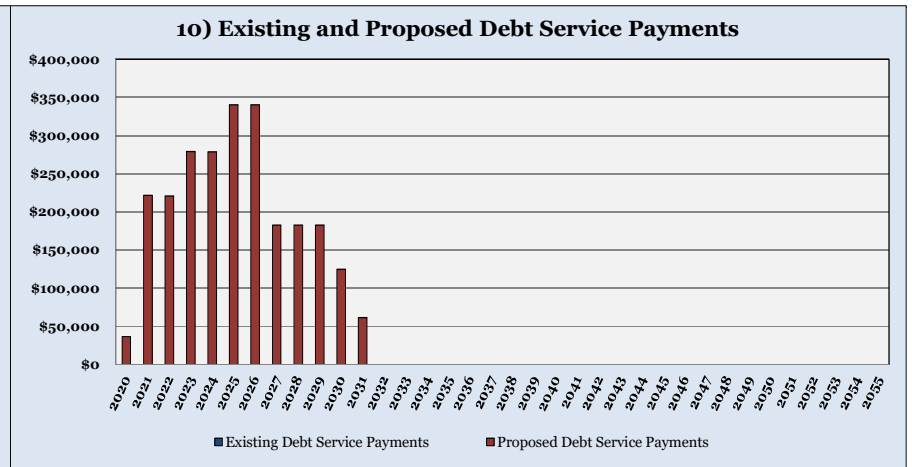
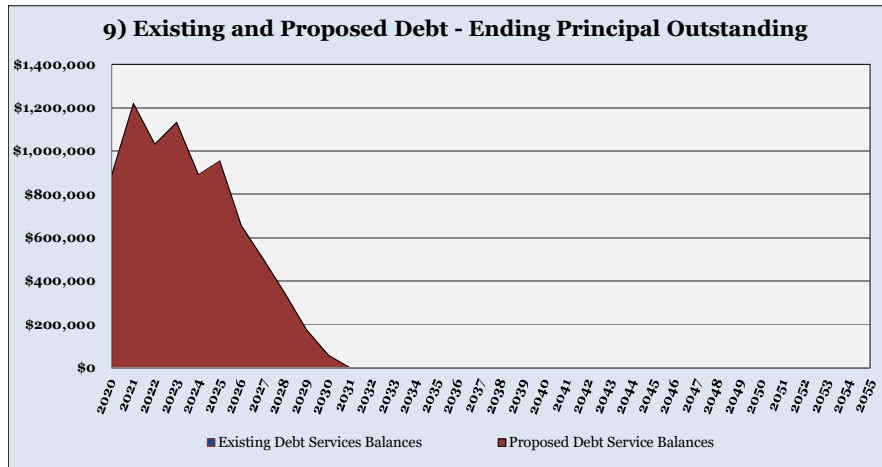


**Appendix 2
City of Edgewater, Florida
Solid Waste Utility Rate Study**



Solid Waste System Financial Dashboards and Performance Metrics

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2020	2021	2022	2023	2024	2025		2020 Base	2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency)	\$342,758	\$227,557	\$166,088	\$85,452	(\$1,649,779)	(\$222)	
Solid Waste Collection Revenue Adjustment	0.00%	-12.50%	0.00%	1.50%	2.00%	2.00%	Percent of Rate Revenues	8.57%	6.24%	4.50%	2.26%	-42.43%	-0.01%	
Effective Month of Increase	Jul.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Residential Bill:							
Recycling Revenue Adjustment	0.00%	0.00%	2.60%	2.50%	2.40%	2.30%	Solid Waste Collection	\$29.04	\$29.04	\$25.41	\$25.41	\$25.79	\$26.31	\$26.84
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	4.31	4.31	4.31	4.42	4.53	4.64	4.75
Combined Adjustment	N/A	-10.92%	0.37%	1.65%	2.06%	2.04%	Total Solid Waste Bill	\$33.35	\$33.35	\$29.72	\$29.83	\$30.32	\$30.95	\$31.59
Cumulative Adjustment	N/A	-10.92%	-10.59%	-9.12%	-7.25%	-5.35%	Annual Increase - Total	N/A	\$0.00	(\$3.63)	\$0.11	\$0.49	\$0.63	\$0.64



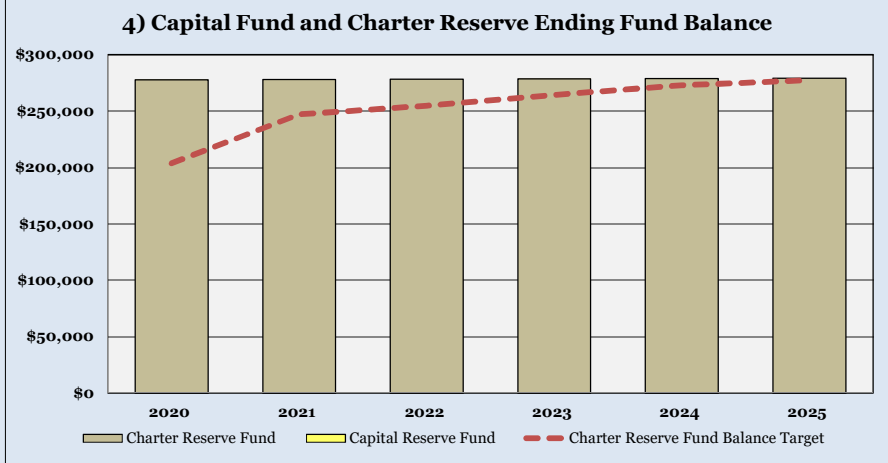
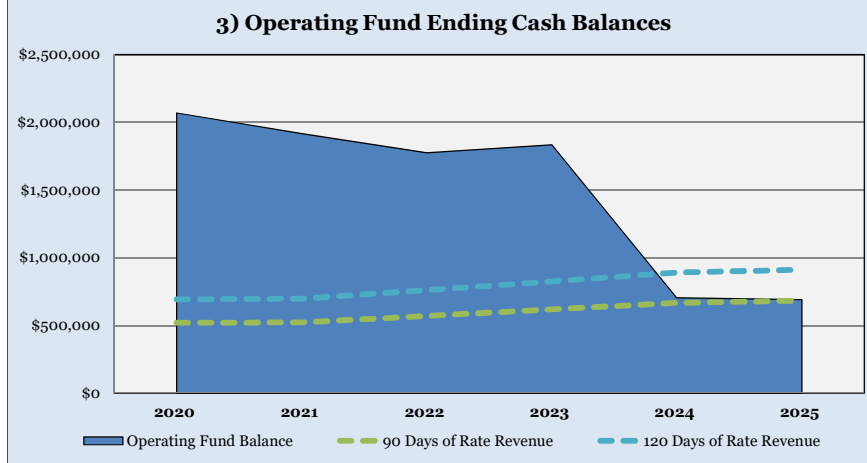
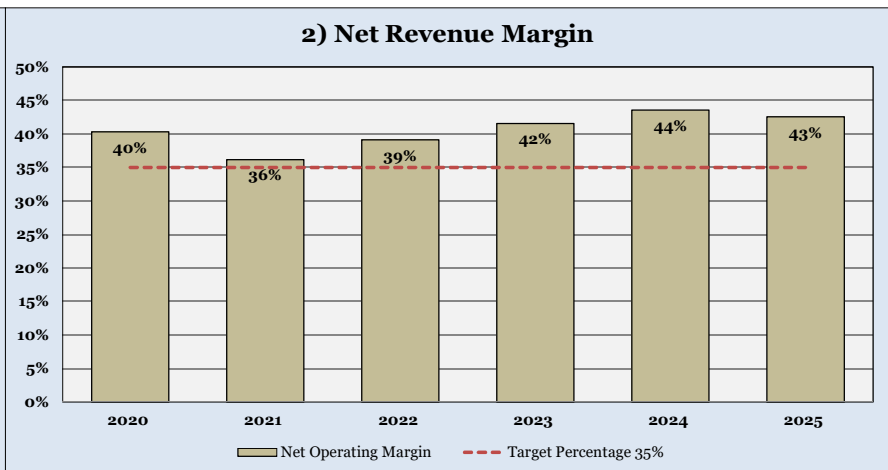
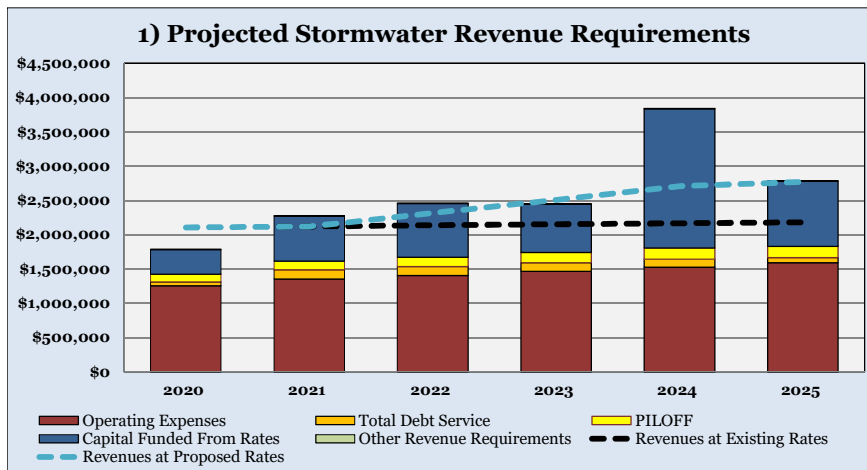


Appendix 3 City of Edgewater, Florida Stormwater Utility Rate Study



Stormwater System Financial Dashboards and Performance Metrics

Description	2020	2021	2022	2023	2024	2025	Description	2020 Base	2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency)		\$324,475	(\$152,633)	(\$142,366)	\$60,682	(\$1,130,900)	(\$13,585)
Stormwater Base Fee	0.00%	0.00%	8.33%	7.69%	7.14%	1.67%	Percent of Rate Revenues		15.48%	-7.23%	-6.18%	2.43%	-41.93%	-0.49%
Effective Month of Increase	October	October	October	October	October	October	Average Residential Bill:							
Stormwater Assessment Fee	0.00%	0.00%	8.33%	7.69%	7.14%	1.67%	Stormwater Base Fee		\$6.52	\$6.52	\$7.06	\$7.60	\$8.14	\$8.28
Effective Month of Increase	October	October	October	October	October	October	Stormwater Assessment Fee		\$5.48	\$5.48	\$5.94	\$6.40	\$6.86	\$6.97
Combined Adjustment	N/A	0.00%	8.33%	7.69%	7.14%	1.67%	Total Stormwater Bill		\$12.00	\$12.00	\$13.00	\$14.00	\$15.00	\$15.25
Cumulative Adjustment	N/A	0.00%	8.33%	16.67%	25.00%	27.08%	Monthly Increase - Total		N/A	\$0.00	\$0.00	\$1.00	\$1.00	\$0.25



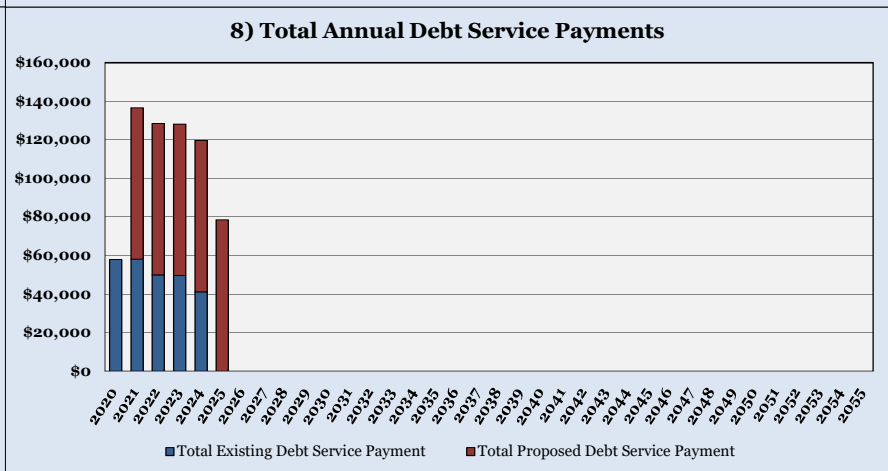
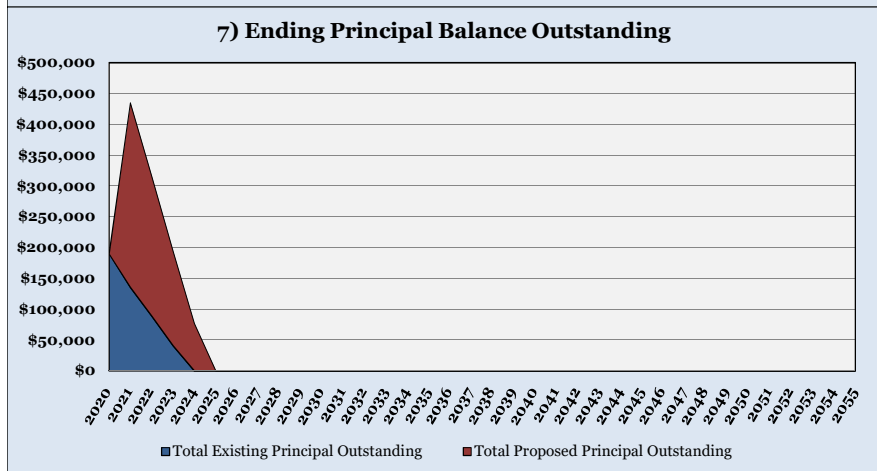
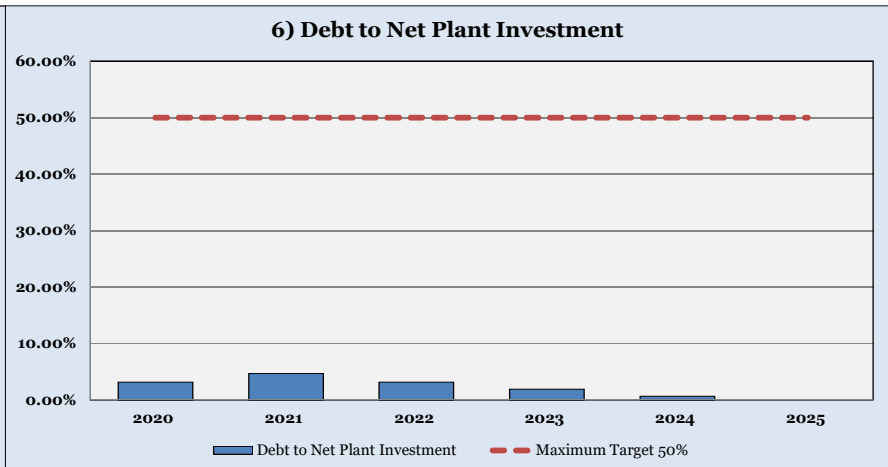
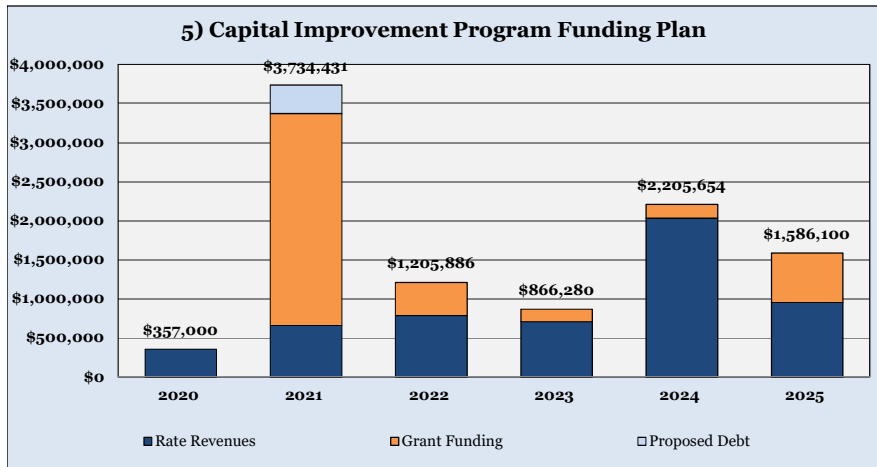


Appendix 3 City of Edgewater, Florida Stormwater Utility Rate Study



Stormwater System Financial Dashboards and Performance Metrics

Description	2020	2021	2022	2023	2024	2025	Description	2020 Base	2020	2021	2022	2023	2024	2025
Recognized Revenue Adjustments:							System Surplus / (Deficiency)		\$324,475	(\$152,633)	(\$142,366)	\$60,682	(\$1,130,900)	(\$13,585)
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Effective Month of Increase	October	October	October	October	October	October	Average Residential Bill:							
Stormwater Assessment Fee	0.00%	0.00%	8.33%	7.69%	7.14%	1.67%	Stormwater Base Fee		\$6.52	\$6.52	\$7.06	\$7.60	\$8.14	\$8.28
Effective Month of Increase	October	October	October	October	October	October	Stormwater Assessment Fee		\$5.48	\$5.48	\$5.94	\$6.40	\$6.86	\$6.97
Combined Adjustment	N/A	0.00%	8.33%	7.69%	7.14%	1.67%	Total Stormwater Bill		\$12.00	\$12.00	\$13.00	\$14.00	\$15.00	\$15.25
Cumulative Adjustment	N/A	0.00%	8.33%	16.67%	25.00%	27.08%	Monthly Increase - Total		N/A	\$0.00	\$0.00	\$1.00	\$1.00	\$0.25





Appendix 3 City of Edgewater, Florida Stormwater Utility Rate Study



Stormwater System Financial Dashboards and Performance Metrics

Description	2020	2021	2022	2023	2024	2025	Description	2020 Base	2020	2021	2022	2023	2024	2025	
Recognized Revenue Adjustments:							System Surplus / (Deficiency)		\$324,475	(\$152,633)	(\$142,366)	\$60,682	(\$1,130,900)	(\$13,585)	
Stormwater Base Fee	0.00%	0.00%	8.33%	7.69%	7.14%	1.67%	Percent of Rate Revenues		15.48%	-7.23%	-6.18%	2.43%	-41.93%	-0.49%	
Effective Month of Increase	October	October	October	October	October	October	Average Residential Bill:								
Stormwater Assessment Fee	0.00%	0.00%	8.33%	7.69%	7.14%	1.67%	Stormwater Base Fee		\$6.52	\$6.52	\$7.06	\$7.60	\$8.14	\$8.28	
Effective Month of Increase	October	October	October	October	October	October	Stormwater Assessment Fee		\$5.48	\$5.48	\$5.94	\$6.40	\$6.86	\$6.97	
Combined Adjustment	N/A	0.00%	8.33%	7.69%	7.14%	1.67%	Total Stormwater Bill		\$12.00	\$12.00	\$13.00	\$14.00	\$15.00	\$15.25	
Cumulative Adjustment	N/A	0.00%	8.33%	16.67%	25.00%	27.08%	Monthly Increase - Total		N/A	\$0.00	\$0.00	\$1.00	\$1.00	\$1.00	\$0.25

