

**CITY OF EDGEWATER,  
FLORIDA**



**WATER, WASTEWATER,  
SOLID WASTE, AND  
STORMWATER  
UTILITY RATE STUDY –  
FISCAL YEAR 2019 UPDATE**

**July 29, 2019**



**Public Resources Management Group, Inc.**  
*Utility, Rate, Financial, and Management Consultants*



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*Utility, Rate, Financial, and Management Consultants*

July 29, 2019

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 2019 Update**

Ladies and Gentlemen:

Public Resources Management Group, Inc. ("PRMG") has completed our Fiscal Year 2019 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, 2018 through September 30, 2024 (the "Forecast Period"). Based on the assumptions relied upon in the development of the projected utility system revenues and expenditure needs, PRMG has identified the need for water, wastewater, solid waste, and stormwater rate adjustments shown below for Fiscal Years 2020 through 2024.

**Summary of Previously Adopted and Proposed Rate Adjustments**

Description	Fiscal Year Ending September 30,					
	2019	2020	2021	2022	2023	2024
<b>Previously Recommended Rate Adjustments</b>						
Water and Wastewater Systems	9.0%	9.0%	9.0%	3.0%	3.0%	N/A
Solid Waste System	6.0%	6.0%	6.0%	6.0%	3.0%	N/A
Stormwater System	10.0%	13.6%	8.0%	7.4%	6.9%	N/A
<b>Proposed Rate Adjustments:</b>						
Water and Wastewater Systems	N/A	9.0%	9.0%	3.0%	3.0%	3.0%
Solid Waste System	N/A	6.0%	6.0%	6.0%	3.0%	3.0%
Stormwater System	N/A	9.1%	8.3%	7.7%	7.1%	6.7%

As can be seen above, the proposed rate adjustments for the water, wastewater and solid waste systems are consistent with those presented in the previous rate study. The stormwater system rate adjustments are lower than previously recommended. The reduced increases for the stormwater system are primarily due to changes in the amount and timing of capital projects. The proposed rates are designed to meet a number of 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:

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- 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;
- The proposed rates should recognize historical rate structures and avoid potential rate shock; 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 respective 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,

**Public Resources Management Group, Inc.**



Henry L. Thomas  
Vice-President and Principal



Shawn A. Ocasio  
Senior Consultant

HLT/dlc  
Attachments

**CITY OF EDGEWATER, FLORIDA**

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER  
UTILITY RATE STUDY – FISCAL YEAR 2019 UPDATE**

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**CITY OF EDGEWATER, FLORIDA**  
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**UTILITY RATE STUDY – FISCAL YEAR 2019 UPDATE**

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**CITY OF EDGEWATER, FLORIDA**

**WATER, WASTEWATER, SOLID WASTE, AND STORMWATER  
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# **SECTION 1**

## **WATER AND WASTEWATER SYSTEMS**

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## **CITY OF EDGEWATER, FLORIDA**

### **WATER, WASTEWATER, SOLID WASTE, AND STORMWATER UTILITY RATE STUDY – FISCAL YEAR 2019 UPDATE**

#### **SECTION 1 – WATER AND WASTEWATER SYSTEMS**

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##### **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, 2018. In order to calculate projected revenues from existing rates for the Forecast Period, the existing fiscal year 2019 rates were applied to projected billing statistics. Based on discussions with City staff, the revised growth projections recognize an average growth in customers of approximately 0.28%, or 30 accounts, per year throughout the Forecast Period and assumes that customer usage will remain at current 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 \$10.6 million to \$13.9 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 \$607,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$13,600 per year, over the Forecast Period.

##### **OPERATING AND MAINTENANCE EXPENSES**

The Fiscal Year 2019 amended 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 2019 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 2018 operating budget of \$11.5 million being adjusted down to approximately \$7.3 million in cash operating expenses, as shown in Table 1-7. A contingency allowance of one percent (1.0%) 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 allowances represent averages of approximately \$79,700 and \$31,300 annually, respectively. Operation and maintenance expenses are projected to increase over the Forecast Period by an annual average of approximately 3.73% per year above Fiscal Year 2019 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 – 3.0% per year
2. Health Insurance – 10.0% increase per year
3. Consumer Price Index (CPI) – Average of 2.5% per year

#### 4. Chemicals, 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 2019 - 2024 CIP, as provided by City. The City's project cost estimates were based on current year dollars and therefore these projected amounts were escalated by the Engineering News-Record ("ENR") index, which has been approximately 3.0% per year, to account for estimated cost inflation over the Forecast Period. The CIP includes approximately \$36.6 million in improvements, renewals and replacements, and regulatory related investments. 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 \$2.2 million per year, increasing to \$2.3 million over the Forecast Period. Payments for the proposed senior lien debt, which represent a 40% allocation of the debt service proposed for the public works building project, are projected to begin in Fiscal Year 2023 and will be approximately \$330,000 annually. Payments for the proposed subordinate lien debts that will finance reclaimed line extensions, lift station rehabilitations, and water lines are projected to begin in Fiscal Year 2021 and will be approximately \$269,000, increasing to approximately \$435,000 by 2024. Existing and proposed debt service payments are summarized on Table 1-14.

### **TRANSFERS**

In order to fund ongoing renewal and replacement projects anticipated by the City, an annual transfer to the renewal and replacement fund from rate revenues is recommended. The transfer starts at 5.8% of the prior year's revenues and increases gradually to 15.0%, effectively, by the end of the Forecast Period and is 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 \$739,000 annually (starting at \$639,000 in 2019 and increasing to \$830,000 by 2024), 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. 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 sanitation 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. A deposit of approximately \$337,000 per year for four years is projected and funded in the rate plan to meet this reserve requirement by Fiscal Year 2022. 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 above the 45-day level

throughout the Forecast Period. Lastly, the City also targets a balance of 2% of gross depreciable assets in the Renewal and Replacement Fund for unforeseen contingencies. While this target is not achieved by the end of the Forecast Period, an increase in the Renewal and Replacement Fund balance is accumulating over time. 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 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 rate adjustments. Below is a summary of the proposed rate adjustments, along with certain projected financial operating results.

Description	Summary of Projected Rate Adjustments and Key Operating Results					
	Fiscal Year Ending September 30,					
	2019	2020	2021	2022	2023	2024
Adopted/Previously Recommended Rate						
Adjustments (Resolution No. 2017-R-24)	9.00%	9.00%	9.00%	3.00%	3.00%	N/A
Proposed Water and Wastewater Rate						
Adjustments	N/A[1]	9.00%	9.00%	3.00%	3.00%	3.00%
System Revenue Surplus/(Deficiency) [2]	(\$33,293)	(\$589,064)	\$304,433	\$272,756	\$287,214	\$132,500
Operating Fund (Ending Balance) [3]	\$2,550,169	\$2,264,948	\$1,858,891	\$2,104,328	\$2,391,542	\$2,220,853
Days of Cash (Target of 45-90 Days of Rate Revenue) [3]	88	71	54	59	65	58
Renewal and Replacement Fund (Ending Balance) [3]	\$178,543	\$553,953	\$620,254	\$830,301	\$1,053,505	\$699,954
Charter Reserve Fund (Ending Balance)	\$722,780	\$1,059,307	\$1,395,835	\$1,732,362	\$1,732,362	\$1,732,362
Capital Reserves (Ending Balance) [4]	\$841,875	\$1,213,120	\$1,275,251	\$1,481,124	\$1,700,150	\$1,342,417
Senior Lien Debt Service Coverage (Test 1.00)	1.18	1.22	1.27	1.27	1.23	1.21
Subordinate Lien Debt Service Coverage (Test 1.15)	6.70	7.86	6.11	6.32	5.90	4.85
All-In Debt Service Coverage (Target 1.50)	1.78	2.18	2.86	3.06	2.64	2.50

[1] Rates were adjusted at the beginning of Fiscal Year 2019 by 9.0% for the water and wastewater systems.

[2] As shown in Table 1-21.

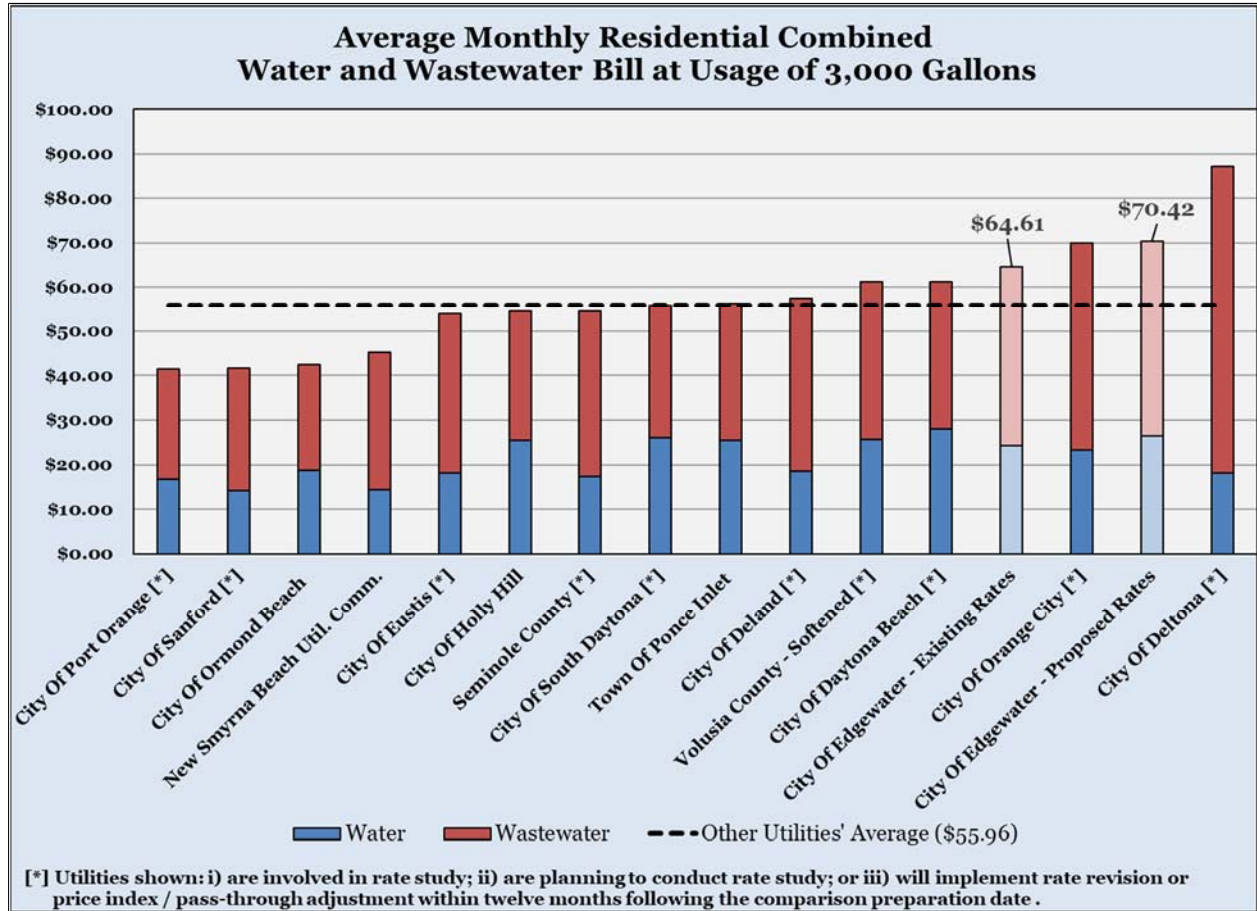
[3] As shown in Table 1-18.

[4] Amounts shown include the: i) Water Development Fee Fund (442); ii) Wastewater Development Fee Fund (443); iii) Renewal and Replacement Fund (444); and iv) Existing Construction Fund.

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## 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 1-4  
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
<b>INSIDE THE CITY</b>												
<b><u>Residential Single Family</u></b>												
1	Base Charge Revenue	\$1,050,769	\$1,110,273	\$1,183,425	\$1,256,190	\$1,330,321	\$1,453,337	\$1,457,168	\$1,460,999	\$1,464,830	\$1,468,661	\$1,472,492
2	Usage Charge Revenue	1,419,631	1,474,426	1,581,633	1,712,696	1,670,382	1,826,155	1,830,968	1,835,782	1,840,595	1,845,408	1,850,222
3	Total Residential Single Family	\$2,470,400	\$2,584,700	\$2,765,058	\$2,968,886	\$3,000,704	\$3,279,492	\$3,288,137	\$3,296,781	\$3,305,425	\$3,314,069	\$3,322,714
<b><u>Residential Multi Family</u></b>												
4	Base Charge Revenue	\$50,136	\$55,047	\$58,026	\$61,667	\$64,701	\$64,701	\$64,701	\$64,701	\$64,701	\$64,701	\$64,701
5	Usage Charge Revenue	60,476	64,857	64,312	38,210	42,976	46,894	46,894	46,894	46,894	46,894	46,894
6	Total Residential Multi Family	\$110,611	\$119,903	\$122,339	\$99,876	\$107,677	\$111,595	\$111,595	\$111,595	\$111,595	\$111,595	\$111,595
<b><u>Commercial</u></b>												
7	Base Charge Revenue	\$110,642	\$112,645	\$122,608	\$134,662	\$145,767	\$159,633	\$160,399	\$161,165	\$161,932	\$162,698	\$163,464
8	Usage Charge Revenue	195,824	208,782	223,126	300,750	292,068	320,245	322,067	323,888	325,709	327,531	329,352
9	Total Commercial	\$306,466	\$321,427	\$345,734	\$435,411	\$437,836	\$479,878	\$482,466	\$485,054	\$487,641	\$490,229	\$492,816
<b>Total Inside the City Water Revenues</b>												
10	Base Charge Revenue	\$1,211,546	\$1,277,965	\$1,364,059	\$1,452,518	\$1,540,789	\$1,677,671	\$1,682,268	\$1,686,865	\$1,691,462	\$1,696,060	\$1,700,657
11	Usage Charge Revenue	1,675,931	1,748,065	1,869,072	2,051,655	2,005,427	2,193,295	2,199,929	2,206,564	2,213,199	2,219,833	2,226,468
12	Total Inside the City Water Revenues	\$2,887,477	\$3,026,030	\$3,233,131	\$3,504,173	\$3,546,216	\$3,870,965	\$3,882,197	\$3,893,429	\$3,904,661	\$3,915,893	\$3,927,125
<b>OUTSIDE THE CITY</b>												
<b><u>Residential Single Family</u></b>												
13	Base Charge Revenue	\$105,878	\$109,789	\$115,105	\$123,076	\$131,630	\$143,491	\$143,491	\$143,491	\$143,491	\$143,491	\$143,491
14	Usage Charge Revenue	126,871	135,561	142,695	169,073	171,404	186,824	186,824	186,824	186,824	186,824	186,824
15	Total Residential Single Family	\$232,749	\$245,349	\$257,800	\$292,148	\$303,034	\$330,315	\$330,315	\$330,315	\$330,315	\$330,315	\$330,315
<b><u>Commercial</u></b>												
16	Base Charge Revenue	\$2,102	\$2,370	\$2,227	\$1,291	\$932	\$1,016	\$1,016	\$1,016	\$1,016	\$1,016	\$1,016
17	Usage Charge Revenue	5,814	1,518	2,233	3,418	2,478	2,701	2,701	2,701	2,701	2,701	2,701
18	Total Commercial	\$7,916	\$3,888	\$4,460	\$4,709	\$3,410	\$3,717	\$3,717	\$3,717	\$3,717	\$3,717	\$3,717
<b><u>Volusia County</u></b>												
19	Base Charge Revenue	\$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	598,835	598,835	598,835	598,835	598,835	598,835
21	Total Volusia County	\$370,375	\$410,907	\$613,208	\$649,568	\$570,294	\$599,168	\$599,168	\$599,168	\$599,168	\$599,168	\$599,168
<b>Total Outside the City Water Revenues</b>												
22	Base Charge Revenue	\$108,313	\$112,491	\$117,664	\$124,699	\$132,895	\$144,839	\$144,839	\$144,839	\$144,839	\$144,839	\$144,839
23	Usage Charge Revenue	502,727	547,654	757,804	821,726	743,843	788,361	788,361	788,361	788,361	788,361	788,361
24	Total Outside the City Water Revenues	\$611,040	\$660,145	\$875,468	\$946,425	\$876,738	\$933,200	\$933,200	\$933,200	\$933,200	\$933,200	\$933,200
<b>Total Retail Water Revenues</b>												
25	Base Charge Revenue	\$1,319,859	\$1,390,456	\$1,481,723	\$1,577,218	\$1,673,684	\$1,822,510	\$1,827,107	\$1,831,705	\$1,836,302	\$1,840,899	\$1,845,496
26	Usage Charge Revenue	2,178,658	2,295,718	2,626,875	2,873,381	2,749,270	2,981,655	2,988,290	2,994,925	3,001,559	3,008,194	3,014,829
27	Revenue Adjustment = -3.00%	(26,239)	(101,370)	(164,344)	(289,289)	(132,689)	(144,125)	(144,462)	(144,799)	(145,136)	(145,473)	(145,810)
28	Total Retail Water Revenues	\$3,472,278	\$3,584,805	\$3,944,255	\$4,161,310	\$4,290,266	\$4,660,040	\$4,670,935	\$4,681,830	\$4,692,725	\$4,703,620	\$4,714,515
29	Total Rate Revenues	\$3,472,278	\$3,584,805	\$3,944,255	\$4,161,310	\$4,290,266	\$4,660,040	\$4,670,935	\$4,681,830	\$4,692,725	\$4,703,620	\$4,714,515



**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
<b>INSIDE THE CITY</b>												
<b><u>Residential Single Family</u></b>												
1	Base Charge Revenue	\$1,439,616	\$1,540,790	\$1,642,664	\$1,742,795	\$1,899,220	\$2,075,709	\$2,081,268	\$2,086,827	\$2,092,386	\$2,097,945	\$2,103,504
2	Usage Charge Revenue	2,009,398	2,063,901	2,222,641	2,334,575	2,420,078	2,644,208	2,651,290	2,658,372	2,665,455	2,672,537	2,679,619
3	<b>Total Residential Single Family</b>	<b>\$3,449,014</b>	<b>\$3,604,691</b>	<b>\$3,865,305</b>	<b>\$4,077,370</b>	<b>\$4,319,298</b>	<b>\$4,719,916</b>	<b>\$4,732,558</b>	<b>\$4,745,199</b>	<b>\$4,757,840</b>	<b>\$4,770,481</b>	<b>\$4,783,123</b>
<b><u>Residential Multi Family</u></b>												
4	Base Charge Revenue	\$69,947	\$78,400	\$83,184	\$83,903	\$96,887	\$105,619	\$105,619	\$105,619	\$105,619	\$105,619	\$105,619
5	Usage Charge Revenue	105,209	109,354	105,021	105,844	128,499	140,024	140,024	140,024	140,024	140,024	140,024
6	<b>Total Residential Multi Family</b>	<b>\$175,155</b>	<b>\$187,754</b>	<b>\$188,205</b>	<b>\$189,747</b>	<b>\$225,386</b>	<b>\$245,643</b>	<b>\$245,643</b>	<b>\$245,643</b>	<b>\$245,643</b>	<b>\$245,643</b>	<b>\$245,643</b>
<b><u>Commercial</u></b>												
7	Base Charge Revenue	\$130,217	\$137,108	\$147,840	\$76,797	\$179,289	\$196,539	\$197,651	\$198,763	\$199,875	\$200,987	\$202,098
8	Usage Charge Revenue	177,838	198,881	206,122	238,537	263,984	289,351	291,043	292,736	294,428	296,120	297,812
9	<b>Total Commercial</b>	<b>\$308,055</b>	<b>\$335,988</b>	<b>\$353,962</b>	<b>\$315,334</b>	<b>\$443,273</b>	<b>\$485,891</b>	<b>\$488,695</b>	<b>\$491,498</b>	<b>\$494,302</b>	<b>\$497,106</b>	<b>\$499,910</b>
<b>Total Inside the City Wastewater Revenues</b>												
10	Base Charge Revenue	\$1,639,780	\$1,756,298	\$1,873,688	\$1,903,495	\$2,175,396	\$2,377,867	\$2,384,537	\$2,391,208	\$2,397,879	\$2,404,550	\$2,411,221
11	Usage Charge Revenue	2,292,445	2,372,135	2,533,784	2,678,957	2,812,561	3,073,583	3,082,358	3,091,132	3,099,906	3,108,681	3,117,455
12	<b>Total Inside the City Wastewater Revenues</b>	<b>\$3,932,225</b>	<b>\$4,128,433</b>	<b>\$4,407,472</b>	<b>\$4,582,452</b>	<b>\$4,987,957</b>	<b>\$5,451,450</b>	<b>\$5,466,895</b>	<b>\$5,482,340</b>	<b>\$5,497,785</b>	<b>\$5,513,230</b>	<b>\$5,528,675</b>
<b>OUTSIDE THE CITY</b>												
<b><u>Residential Single Family</u></b>												
13	Base Charge Revenue	\$60,701	\$63,329	\$67,123	\$70,949	\$76,806	\$83,710	\$83,710	\$83,710	\$83,710	\$83,710	\$83,710
14	Usage Charge Revenue	49,944	57,161	58,703	63,823	67,141	73,164	73,164	73,164	73,164	73,164	73,164
15	<b>Total Residential Single Family</b>	<b>\$110,645</b>	<b>\$120,490</b>	<b>\$125,826</b>	<b>\$134,772</b>	<b>\$143,947</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>
<b><u>Commercial</u></b>												
16	Base Charge Revenue	\$685	\$1,042	\$920	\$221	\$0	\$0	\$0	\$0	\$0	\$0	\$0
17	Usage Charge Revenue	381	360	225	451	0	0	0	0	0	0	0
18	<b>Total Commercial</b>	<b>\$1,065</b>	<b>\$1,402</b>	<b>\$1,145</b>	<b>\$672</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>
<b>Total Outside the City Water Revenues</b>												
19	Base Charge Revenue	\$61,386	\$64,371	\$68,043	\$71,172	\$76,806	\$83,710	\$83,710	\$83,710	\$83,710	\$83,710	\$83,710
20	Usage Charge Revenue	50,324	57,521	58,928	64,277	67,141	73,164	73,164	73,164	73,164	73,164	73,164
21	<b>Total Total Outside the City Water Revenues</b>	<b>\$111,710</b>	<b>\$121,892</b>	<b>\$126,971</b>	<b>\$135,448</b>	<b>\$143,947</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>	<b>\$156,873</b>
<b>Total Wastewater Revenues</b>												
22	Base Charge Revenue	1,701,166	1,820,668	1,941,731	1,974,667	2,252,202	2,461,576	2,468,247	2,474,918	2,481,589	2,488,259	2,494,930
23	Usage Charge Revenue	2,342,769	2,429,656	2,592,712	2,743,233	2,879,703	3,146,747	3,155,521	3,164,296	3,173,070	3,181,844	3,190,619
24	Revenue Adjustment - 0.00%	0	(10,626)	0	0	0	0	0	0	0	0	0
25	<b>Total Wastewater Revenues</b>	<b>\$4,043,935</b>	<b>\$4,239,699</b>	<b>\$4,534,443</b>	<b>\$4,717,901</b>	<b>\$5,131,905</b>	<b>\$5,608,323</b>	<b>\$5,623,768</b>	<b>\$5,639,213</b>	<b>\$5,654,658</b>	<b>\$5,670,104</b>	<b>\$5,685,549</b>
26	<b>Total Rate Revenues</b>	<b>\$4,043,935</b>	<b>\$4,239,699</b>	<b>\$4,534,443</b>	<b>\$4,717,901</b>	<b>\$5,131,905</b>	<b>\$5,608,323</b>	<b>\$5,623,768</b>	<b>\$5,639,213</b>	<b>\$5,654,658</b>	<b>\$5,670,104</b>	<b>\$5,685,549</b>

**Table I-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
<b>INSIDE THE CITY</b>											
<b><u>Residential Single Family</u></b>											
1	Base Charge Revenue	\$334,372	\$344,603	\$346,115	\$342,319	\$342,889	\$343,459	\$344,029	\$344,599	\$345,169	\$345,739
2	Usage Charge Revenue	17,269	20,163	24,784	14,237	14,261	14,285	14,308	14,332	14,356	14,379
3	Total Residential Single Family	\$351,641	\$364,766	\$370,900	\$356,556	\$357,150	\$357,744	\$358,338	\$358,931	\$359,525	\$360,119
<b><u>Residential Multi Family</u></b>											
4	Base Charge Revenue	\$114	\$295	\$228	\$217	\$217	\$217	\$217	\$217	\$217	\$217
5	Usage Charge Revenue	38	24	2	0	0	0	0	0	0	0
6	Total Residential Multi Family	\$152	\$318	\$230	\$217	\$217	\$217	\$217	\$217	\$217	\$217
<b><u>Commercial</u></b>											
7	Base Charge Revenue	\$3,876	\$4,138	\$4,902	\$5,130	\$5,130	\$5,130	\$5,130	\$5,130	\$5,130	\$5,130
8	Additional Acreage Charges	0	0	2,060	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	\$8,534	\$8,534	\$8,534	\$8,534	\$8,534	\$8,534
<b>Total Inside the City Reclaimed Water Revenues</b>											
10	Base Charge Revenue	\$338,362	\$349,036	\$351,245	\$347,666	\$348,236	\$348,806	\$349,376	\$349,946	\$350,516	\$351,086
11	Usage Charge Revenue	17,307	20,187	24,786	14,237	14,261	14,285	14,308	14,332	14,356	14,379
12	Additional Acreage Charges	0	0	2,060	3,404	3,404	3,404	3,404	3,404	3,404	3,404
13	Total Total Inside the City Reclaimed Water Revenue	\$355,669	\$369,223	\$378,092	\$365,307	\$365,901	\$366,494	\$367,088	\$367,682	\$368,276	\$368,869
<b>OUTSIDE THE CITY</b>											
<b><u>Residential Single Family</u></b>											
14	Base Charge Revenue	\$0	\$133	\$114	\$0	\$0	\$0	\$0	\$0	\$0	\$0
15	Usage Charge Revenue	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
<b>Total Outside the City Water Revenues</b>											
17	Base Charge Revenue	\$0	\$133	\$114	\$0	\$0	\$0	\$0	\$0	\$0	\$0
18	Usage Charge Revenue	0	0	0	0	0	0	0	0	0	0
19	Additional Acreage Charges	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
<b>Total Reclaimed Water Revenues</b>											
21	Base Charge Revenue	\$338,362	\$349,169	\$351,359	\$347,666	\$348,236	\$348,806	\$349,376	\$349,946	\$350,516	\$351,086
22	Usage Charge Revenue	17,307	20,187	24,786	14,237	14,261	14,285	14,308	14,332	14,356	14,379
23	Additional Acreage Charges	0	0	2,060	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
25	Total Total Reclaimed Water Revenues	\$357,447	\$361,969	\$372,564	\$365,307	\$365,901	\$366,494	\$367,088	\$367,682	\$368,276	\$368,869
26	Total Rate Revenues	\$357,447	\$361,969	\$372,564	\$365,307	\$365,901	\$366,494	\$367,088	\$367,682	\$368,276	\$368,869

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

**Allocation of Fiscal Year 2019 Operating Budget [1]**

Line No.	Cost Center Code	Description	Budget		Adjusted 2019	Allocation Factor	Allocation Percentages		Allocated Amounts	
			2019	Adjustments			Water	Wastewater	Water	Wastewater
<b>440-4010-539 Administration Department</b>										
1	440-4010-539.12-10	Regular Salaries	\$269,182	\$0	\$269,182	Adm Salary	42.56%	57.44%	\$114,570	\$154,612
2	440-4010-539.14-10	Overtime	7,217	0	7,217	Adm Salary	42.56%	57.44%	3,072	4,145
3	440-4010-539.15-30	Cell Phone	1,982	0	1,982	Adm Salary	42.56%	57.44%	844	1,138
4	440-4010-539.15-60	Boot Allowance	125	0	125	Adm Salary	42.56%	57.44%	53	72
5	440-4010-539.21-10	FICA Taxes	15,499	0	15,499	Adm Salary	42.56%	57.44%	6,597	8,902
6	440-4010-539.21-20	Medicare	3,625	0	3,625	Adm Salary	42.56%	57.44%	1,543	2,082
7	440-4010-539.22-10	Retirement Contributions	0	0	0	Adm Salary	42.56%	57.44%	0	0
8	440-4010-539.22-20	DCSE	29,959	0	29,959	Adm Salary	42.56%	57.44%	12,751	17,208
9	440-4010-539.23-10	Life Insurance	959	0	959	Adm Salary	42.56%	57.44%	408	551
10	440-4010-539.23-20	Group Medical Insurance	60,887	0	60,887	Adm Salary	42.56%	57.44%	25,915	34,972
11	440-4010-539.23-21	HSA Employer Contribution	1,300	0	1,300	Adm Salary	42.56%	57.44%	553	747
12	440-4010-539.23-22	HRA Employer Contribution	1,000	0	1,000	Adm Salary	42.56%	57.44%	426	574
13	440-4010-539.23-30	Dental Insurance	2,661	0	2,661	Adm Salary	42.56%	57.44%	1,133	1,528
14	440-4010-539.23-40	Long Term Disability	1,813	0	1,813	Adm Salary	42.56%	57.44%	772	1,041
15	440-4010-539.23-60	Broker & Admin. Fees	1,599	0	1,599	Adm Salary	42.56%	57.44%	681	918
16	440-4010-539.23-90	OPEB Expense	0	1,949	1,949	Adm Salary	42.56%	57.44%	829	1,119
17	440-4010-539.24-10	Worker's Compensation	470	0	470	Adm Salary	42.56%	57.44%	200	270
18		Subtotal Personnel Expenses	\$398,278	\$1,949	\$400,227		42.56%	57.44%	\$170,346	\$229,881
<b>Operating Expenses</b>										
19	440-4010-539.34-10	Other Contractual Service	\$2,653	\$0	\$2,653	Adm Salary	42.56%	57.44%	\$1,129	\$1,524
20	440-4010-539.40-10	Travel & Per Diem	3,900	0	3,900	Adm Salary	42.56%	57.44%	1,660	2,240
21	440-4010-539.41-10	Telephone	2	0	2	Adm Salary	42.56%	57.44%	1	1
22	440-4010-539.41-20	Internet	4,646	0	4,646	Adm Salary	42.56%	57.44%	1,977	2,669
23	440-4010-539.41-40	Postage	0	0	0	Adm Salary	42.56%	57.44%	0	0
24	440-4010-539.43-10	Electric	4,100	0	4,100	Adm Salary	42.56%	57.44%	1,745	2,355
25	440-4010-539.46-10	Repair & Maintenance	2,300	0	2,300	Adm Salary	42.56%	57.44%	979	1,321
26	440-4010-539.46-20	Fleet Charges	1,431	0	1,431	Adm Salary	42.56%	57.44%	609	822
27	440-4010-539.47-20	Copier	5,793	0	5,793	Adm Salary	42.56%	57.44%	2,466	3,327
28	440-4010-539.49-01	Cost Allocation [2]	514,155	0	514,155	Adm Salary	42.56%	57.44%	218,836	295,319
29	440-4010-539.49-10	Other Charges/Obligations	200	0	200	Adm Salary	42.56%	57.44%	85	115
30	440-4010-539.49-40	PILOFF Water & Sewer [3]	306,999	(306,999)	0	Adm Salary	42.56%	57.44%	0	0
31	440-4010-539.51-10	Office Supplies	1,500	0	1,500	Adm Salary	42.56%	57.44%	638	862
32	440-4010-539.52-10	Operating Supplies	2,000	0	2,000	Adm Salary	42.56%	57.44%	851	1,149
33	440-4010-539.52-20	Unleaded & Diesel	1,048	0	1,048	Adm Salary	42.56%	57.44%	446	602
34	440-4010-539.52-30	Uniforms	775	0	775	Adm Salary	42.56%	57.44%	330	445
35	440-4010-539.54-10	Books, Pubs, Subs, & Mem	8,367	0	8,367	Adm Salary	42.56%	57.44%	3,561	4,806
36	440-4010-539.54-20	Educational Development	3,950	0	3,950	Adm Salary	42.56%	57.44%	1,681	2,269
37		Subtotal Operating Expenses	\$863,819	(\$306,999)	\$556,820		42.56%	57.44%	\$236,995	\$319,825
38		Total Administration Department	\$1,262,097	(\$305,050)	\$957,047		42.56%	57.44%	\$407,341	\$549,706
<b>440-4030-533 Water Department</b>										
39	440-4030-533.12-10	Regular Salaries	\$466,699	\$0	\$466,699	Direct-W	100.00%	0.00%	\$466,699	\$0
40		AddPerWater	0	0	0	Input	0.00%	0.00%	0	0
41	440-4030-533.12-20	DC ICMA	13,951	0	13,951	Direct-W	100.00%	0.00%	13,951	0
42	440-4030-533.14-10	Overtime / Other Salaries	30,139	0	30,139	Direct-W	100.00%	0.00%	30,139	0
43	440-4030-533.15-30	Cell Phone	905	0	905	Direct-W	100.00%	0.00%	905	0
44	440-4030-533.15-60	Boot Allowance	1,250	0	1,250	Direct-W	100.00%	0.00%	1,250	0
45	440-4030-533.21-10	FICA Taxes	26,572	0	26,572	Direct-W	100.00%	0.00%	26,572	0
46	440-4030-533.21-20	Medicare	6,215	0	6,215	Direct-W	100.00%	0.00%	6,215	0
47	440-4030-533.22-10	Retirement Contributions	0	0	0	Direct-W	100.00%	0.00%	0	0
48	440-4030-533.22-20	DCSE	39,185	0	39,185	Direct-W	100.00%	0.00%	39,185	0
49	440-4030-533.23-10	Life Insurance	1,701	0	1,701	Direct-W	100.00%	0.00%	1,701	0
50	440-4030-533.23-20	Group Medical Insurance	114,975	0	114,975	Direct-W	100.00%	0.00%	114,975	0
51	440-4030-533.23-21	HSA Employer Contribution	4,450	0	4,450	Direct-W	100.00%	0.00%	4,450	0
52	440-4030-533.23-22	HRA Employer Contribution	1,750	0	1,750	Direct-W	100.00%	0.00%	1,750	0
53	440-4030-533.23-30	Dental Insurance	3,469	0	3,469	Direct-W	100.00%	0.00%	3,469	0
54	440-4030-533.23-40	Long Term Disability	3,214	0	3,214	Direct-W	100.00%	0.00%	3,214	0
55	440-4030-533.23-60	Broker & Admin. Fees	3,590	0	3,590	Direct-W	100.00%	0.00%	3,590	0
56	440-4030-533.23-90	OPEB Expense	0	5,439	5,439	Direct-W	100.00%	0.00%	5,439	0
57	440-4030-533.24-10	Worker's Compensation	15,828	0	15,828	Direct-W	100.00%	0.00%	15,828	0
58		Subtotal Personnel Expenses	\$733,893	\$5,439	\$739,332		100.00%	0.00%	\$739,332	\$0
<b>Operating Expenses</b>										
59	440-4030-533.31-10	Professional Services	\$5,995	\$0	\$5,995	Direct-W	100.00%	0.00%	\$5,995	\$0
60	440-4030-533.34-10	Other Contractual Service	94,305	0	94,305	Direct-W	100.00%	0.00%	94,305	0
61	440-4030-533.40-10	Travel & Per Diem	600	0	600	Direct-W	100.00%	0.00%	600	0
62	440-4030-533.41-10	Telephone	0	0	0	Direct-W	100.00%	0.00%	0	0
63	440-4030-533.41-11	Cell Phone	0	0	0	Direct-W	100.00%	0.00%	0	0
64	440-4030-533.41-15	Cellular	77	0	77	Direct-W	100.00%	0.00%	77	0
65	440-4030-533.41-20	Internet	1,420	0	1,420	Direct-W	100.00%	0.00%	1,420	0
66	440-4030-533.41-30	Legal Ads	0	0	0	Direct-W	100.00%	0.00%	0	0
67	440-4030-533.41-40	Postage	12,000	0	12,000	Direct-W	100.00%	0.00%	12,000	0
68	440-4030-533.43-10	Electric	153,200	0	153,200	Direct-W	100.00%	0.00%	153,200	0
69	440-4030-533.44-10	Rent	1,310	0	1,310	Direct-W	100.00%	0.00%	1,310	0
70	440-4030-533.46-10	Repair & Maintenance	106,737	0	106,737	Direct-W	100.00%	0.00%	106,737	0
71	440-4030-533.46-20	Fleet Charges	2,862	0	2,862	Direct-W	100.00%	0.00%	2,862	0
72	440-4030-533.47-10	Printing & Binding	200	0	200	Direct-W	100.00%	0.00%	200	0

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

**Allocation of Fiscal Year 2019 Operating Budget [1]**

Line No.	Cost Center Code	Description	Budget		Adjusted 2019	Allocation Factor	Allocation Percentages		Allocated Amounts	
			2019	Adjustments			Water	Wastewater	Water	Wastewater
73	440-4030-533.47-20	Copier	1,591	0	1,591	Direct-W	100.00%	0.00%	1,591	0
74	440-4030-533.48-10	Promotional Activities	5,175	0	5,175	Direct-W	100.00%	0.00%	5,175	0
75	440-4030-533.49-01	Cost Allocation [2]	152,023	0	152,023	Direct-W	100.00%	0.00%	152,023	0
76	440-4030-533.49-10	Other Charges/Obligations	16,600	0	16,600	Direct-W	100.00%	0.00%	16,600	0
77	440-4030-533.49-40	PILOFF Water & Sewer [3]	107,831	(107,831)	0	Direct-W	100.00%	0.00%	0	0
78	440-4030-533.51-10	Office Supplies	650	0	650	Direct-W	100.00%	0.00%	650	0
79	440-4030-533.52-10	Operating Supplies	26,798	0	26,798	Direct-W	100.00%	0.00%	26,798	0
80	440-4030-533.52-20	Unleaded & Diesel	1,904	0	1,904	Direct-W	100.00%	0.00%	1,904	0
81	440-4030-533.52-25	Bulk Fuel	7,000	0	7,000	Direct-W	100.00%	0.00%	7,000	0
82	440-4030-533.52-30	Uniforms	1,575	0	1,575	Direct-W	100.00%	0.00%	1,575	0
83	440-4030-533.52-50	Chemical	407,762	0	407,762	Direct-W	100.00%	0.00%	407,762	0
84	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	0	1,120	Direct-W	100.00%	0.00%	1,120	0
85	440-4030-533.54-20	Educational Development	1,275	0	1,275	Direct-W	100.00%	0.00%	1,275	0
86		Subtotal Operating Expenses	\$1,110,010	(\$107,831)	\$1,002,179		100.00%	0.00%	\$1,002,179	\$0
87		Total Water Department	\$1,843,903	(\$102,392)	\$1,741,511		100.00%	0.00%	\$1,741,511	\$0
	440-4040-535	<b>Wastewater Department</b>								
88	440-4040-535.12-10	Regular Salaries	\$646,884	\$0	\$646,884	Direct-S	0.00%	100.00%	\$0	\$646,884
89	440-4040-535.13-10	AddPerWastewater	0	0	0	Input	0.00%	0.00%	0	0
90	440-4040-535.13-10	Other Salaries	0	0	0	Direct-S	0.00%	100.00%	0	0
91	440-4040-535.14-10	Overtime	59,193	0	59,193	Direct-S	0.00%	100.00%	0	59,193
92	440-4040-535.15-30	Cell Phone	1,750	0	1,750	Direct-S	0.00%	100.00%	0	1,750
93	440-4040-535.15-40	Insurance Payback	4,829	0	4,829	Direct-S	0.00%	100.00%	0	4,829
94	440-4040-535.15-60	Boot Allowance	1,500	0	1,500	Direct-S	0.00%	100.00%	0	1,500
95	440-4040-535.21-10	FICA Taxes	35,817	0	35,817	Direct-S	0.00%	100.00%	0	35,817
96	440-4040-535.21-20	Medicare	8,376	0	8,376	Direct-S	0.00%	100.00%	0	8,376
97	440-4040-535.22-10	Retirement Contributions	28,071	0	28,071	Direct-S	0.00%	100.00%	0	28,071
98	440-4040-535.22-20	DCSE	64,301	0	64,301	Direct-S	0.00%	100.00%	0	64,301
99	440-4040-535.23-10	Life Insurance	2,289	0	2,289	Direct-S	0.00%	100.00%	0	2,289
100	440-4040-535.23-20	Group Medical Insurance	129,200	0	129,200	Direct-S	0.00%	100.00%	0	129,200
101	440-4040-535.23-21	HSA Employer Contribution	0	0	0	Direct-S	0.00%	100.00%	0	0
102	440-4040-535.23-22	HRA Employer Contribution	2,000	0	2,000	Direct-S	0.00%	100.00%	0	2,000
103	440-4040-535.23-30	Dental Insurance	5,273	0	5,273	Direct-S	0.00%	100.00%	0	5,273
104	440-4040-535.23-40	Long Term Disability	4,340	0	4,340	Direct-S	0.00%	100.00%	0	4,340
105	440-4040-535.23-60	Broker & Admin. Fees	3,500	0	3,500	Direct-S	0.00%	100.00%	0	3,500
106	440-4040-535.23-90	OPEB	0	6,452	6,452	Direct-S	0.00%	100.00%	0	6,452
107	440-4040-535.24-10	Worker's Compensation	18,454	0	18,454	Direct-S	0.00%	100.00%	0	18,454
108		Subtotal Personnel Expenses	\$1,015,777	\$6,452	\$1,022,229		0.00%	100.00%	\$0	\$1,022,229
		<b>Operating Expenses</b>								
109	440-4040-535.31-10	Professional Services	\$45,000	\$0	\$45,000	Direct-S	0.00%	100.00%	\$0	\$45,000
110	440-4040-535.34-10	Other Contractual Service	228,480	0	228,480	Direct-S	0.00%	100.00%	0	228,480
111	440-4040-535.40-10	Travel & Per Diem	3,950	0	3,950	Direct-S	0.00%	100.00%	0	3,950
112	440-4040-535.41-10	Telephone	0	0	0	Direct-S	0.00%	100.00%	0	0
113	440-4040-535.41-15	Cellular	3	0	3	Direct-S	0.00%	100.00%	0	3
114	440-4040-535.41-20	Internet	2,019	0	2,019	Direct-S	0.00%	100.00%	0	2,019
115	440-4040-535.41-30	Legal Ads	0	0	0	Direct-S	0.00%	100.00%	0	0
116	440-4040-535.41-40	Postage	12,000	0	12,000	Direct-S	0.00%	100.00%	0	12,000
117	440-4040-535.43-10	Electric	182,000	0	182,000	Direct-S	0.00%	100.00%	0	182,000
118	440-4040-535.43-30	Water / Sewer / Trash	13,491	0	13,491	Direct-S	0.00%	100.00%	0	13,491
119	440-4040-535.44-10	Rent	6,000	0	6,000	Direct-S	0.00%	100.00%	0	6,000
120	440-4040-535.46-10	Repair & Maintenance	166,500	0	166,500	Direct-S	0.00%	100.00%	0	166,500
121	440-4040-535.46-20	Fleet Charges	6,724	0	6,724	Direct-S	0.00%	100.00%	0	6,724
122	440-4040-535.47-10	Printing & Binding	0	0	0	Direct-S	0.00%	100.00%	0	0
123	440-4040-535.47-20	Copier	1,241	0	1,241	Direct-S	0.00%	100.00%	0	1,241
124	440-4040-535.48-10	Promotional Activities	1,550	0	1,550	Direct-S	0.00%	100.00%	0	1,550
125	440-4040-535.49-01	Cost Allocation [2]	141,118	0	141,118	Direct-S	0.00%	100.00%	0	141,118
126	440-4040-535.49-10	Other Charges/Obligations	1,400	0	1,400	Direct-S	0.00%	100.00%	0	1,400
127	440-4040-535.49-40	PILOFF Water & Sewer [3]	111,793	(111,793)	0	Direct-S	0.00%	100.00%	0	0
128	440-4040-535.51-10	Office Supplies	1,000	0	1,000	Direct-S	0.00%	100.00%	0	1,000
129	440-4040-535.52-10	Operating Supplies	59,550	0	59,550	Direct-S	0.00%	100.00%	0	59,550
130	440-4040-535.52-20	Unleaded & Diesel	2,476	0	2,476	Direct-S	0.00%	100.00%	0	2,476
131	440-4040-535.52-25	Bulk Fuel	3,500	0	3,500	Direct-S	0.00%	100.00%	0	3,500
132	440-4040-535.52-30	Uniforms	1,575	0	1,575	Direct-S	0.00%	100.00%	0	1,575
133	440-4040-535.52-50	Chemical	144,200	0	144,200	Direct-S	0.00%	100.00%	0	144,200
134	440-4040-535.54-10	Books, Pubs, Subs, & Mem	300	0	300	Direct-S	0.00%	100.00%	0	300
135	440-4040-535.54-20	Educational Development	4,400	0	4,400	Direct-S	0.00%	100.00%	0	4,400
136		Subtotal Operating Expenses	\$1,140,270	(\$111,793)	\$1,028,477		0.00%	100.00%	\$0	\$1,028,477
137		Total Wastewater Department	\$2,156,047	(\$105,341)	\$2,050,706		0.00%	100.00%	\$0	\$2,050,706
	440-4050-539	<b>Wastewater Collections</b>								
138	440-4050-539.12-10	Regular Salaries	\$165,606	\$0	\$165,606	Direct-S	0.00%	100.00%	\$0	\$165,606
139	440-4050-539.13-10	AddPerCollections	0	0	0	Input	0.00%	0.00%	0	0
140	440-4050-539.14-10	Overtime	15,601	0	15,601	Direct-S	0.00%	100.00%	0	15,601
141	440-4050-539.15-30	Cell Phone	423	0	423	Direct-S	0.00%	100.00%	0	423
142	440-4050-539.15-60	Boot Allowance	500	0	500	Direct-S	0.00%	100.00%	0	500
143	440-4050-539.21-10	FICA Taxes	9,005	0	9,005	Direct-S	0.00%	100.00%	0	9,005
144	440-4050-539.21-20	Medicare	2,106	0	2,106	Direct-S	0.00%	100.00%	0	2,106

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

**Allocation of Fiscal Year 2019 Operating Budget [1]**

Line No.	Cost Center Code	Description	Budget		Adjusted 2019	Allocation Factor	Allocation Percentages		Allocated Amounts	
			2019	Adjustments			Water	Wastewater	Water	Wastewater
145	440-4050-539.22-10	Retirement Contributions	0	0	0	Direct-S	0.00%	100.00%	0	0
146	440-4050-539.22-20	DCSE	18,762	0	18,762	Direct-S	0.00%	100.00%	0	18,762
147	440-4050-539.23-10	Life Insurance	601	0	601	Direct-S	0.00%	100.00%	0	601
148	440-4050-539.23-20	Group Medical Insurance	45,718	0	45,718	Direct-S	0.00%	100.00%	0	45,718
149	440-4050-539.23-22	HRA Employer Contribution	1,250	0	1,250	Direct-S	0.00%	100.00%	0	1,250
150	440-4050-539.23-30	Dental Insurance	874	0	874	Direct-S	0.00%	100.00%	0	874
151	440-4050-539.23-40	Long Term Disability	1,134	0	1,134	Direct-S	0.00%	100.00%	0	1,134
152	440-4050-539.23-60	Broker & Admin. Fees	1,014	0	1,014	Direct-S	0.00%	100.00%	0	1,014
153	440-4050-539.23-90	OPEB Expense	0	1,865	1,865	Direct-S	0.00%	100.00%	0	1,865
154	440-4050-539.24-10	Worker's Compensation	4,473	0	4,473	Direct-S	0.00%	100.00%	0	4,473
155		Subtotal Personnel Expenses	\$267,067	\$1,865	\$268,932		0.00%	100.00%	\$0	\$268,932
		<u>Operating Expenses</u>								
156	440-4050-539.34-10	Other Contractual Service	\$213	\$0	\$213	Direct-S	0.00%	100.00%	\$0	\$213
157	440-4050-539.40-10	Travel & Per Diem	1,400	0	1,400	Direct-S	0.00%	100.00%	0	1,400
158	440-4050-539.41-10	Telephone	0	0	0	Direct-S	0.00%	100.00%	0	0
159	440-4050-539.41-15	Cellular	444	0	444	Direct-S	0.00%	100.00%	0	444
160	440-4050-539.41-20	Internet	1,301	0	1,301	Direct-S	0.00%	100.00%	0	1,301
161	440-4050-539.43-10	Electric	65,000	0	65,000	Direct-S	0.00%	100.00%	0	65,000
162	440-4050-539.43-30	Water / Sewer / Trash	453	0	453	Direct-S	0.00%	100.00%	0	453
163	440-4050-539.44-10	Rent	500	0	500	Direct-S	0.00%	100.00%	0	500
164	440-4050-539.46-10	Repair & Maintenance	80,000	0	80,000	Direct-S	0.00%	100.00%	0	80,000
165	440-4050-539.46-20	Fleet Charges	13,724	0	13,724	Direct-S	0.00%	100.00%	0	13,724
166	440-4050-539.47-10	Printing & Binding	0	0	0	Direct-S	0.00%	100.00%	0	0
167	440-4050-539.47-20	Copier	1,984	0	1,984	Direct-S	0.00%	100.00%	0	1,984
168	440-4050-539.49-01	Cost Allocation [2]	44,995	0	44,995	Direct-S	0.00%	100.00%	0	44,995
169	440-4050-539.49-10	Other Charges/Obligations	1,650	0	1,650	Direct-S	0.00%	100.00%	0	1,650
170	440-4050-539.49-40	PILOFF Water & Sewer [3]	30,041	(30,041)	0	Direct-S	0.00%	100.00%	0	0
171	440-4050-539.51-10	Office Supplies	500	0	500	Direct-S	0.00%	100.00%	0	500
172	440-4050-539.52-10	Operating Supplies	25,000	0	25,000	Direct-S	0.00%	100.00%	0	25,000
173	440-4050-539.52-20	Unleaded & Diesel	13,809	0	13,809	Direct-S	0.00%	100.00%	0	13,809
174	440-4050-539.52-30	Uniforms	880	0	880	Direct-S	0.00%	100.00%	0	880
175	440-4050-539.52-50	Chemical	40,000	(15,000)	25,000	Direct-S	0.00%	100.00%	0	25,000
176	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	0	0	Direct-S	0.00%	100.00%	0	0
177	440-4050-539.54-20	Educational Development	650	0	650	Direct-S	0.00%	100.00%	0	650
178		Subtotal Operating Expenses	\$322,544	(\$45,041)	\$277,503		0.00%	100.00%	\$0	\$277,503
179		Total Wastewater Collections	\$589,611	(\$43,176)	\$546,435		0.00%	100.00%	\$0	\$546,435
		<b>440-4080-539</b>								
		<u>Field Operations</u>								
180	440-4080-539.12-10	Regular Salaries	\$465,448	\$0	\$465,448	Lines	59.27%	40.73%	\$275,858	\$189,590
181	AddPerFieldOps	Additional Personnel	0	0	0	Input	0.00%	0.00%	0	0
182	440-4080-539.12-20	DC ICMA	20,038	0	20,038	Lines	59.27%	40.73%	11,876	8,162
183	440-4080-539.14-10	Overtime	32,287	0	32,287	Lines	59.27%	40.73%	19,136	13,151
184	440-4080-539.15-30	Cell Phone	1,328	0	1,328	Lines	59.27%	40.73%	787	541
185	440-4080-539.15-60	Boot Allowance	1,500	0	1,500	Lines	59.27%	40.73%	889	611
186	440-4080-539.21-10	FICA Taxes	26,884	0	26,884	Lines	59.27%	40.73%	15,933	10,951
187	440-4080-539.21-20	Medicare	6,287	0	6,287	Lines	59.27%	40.73%	3,726	2,561
188	440-4080-539.22-20	DCSE	35,816	0	35,816	Lines	59.27%	40.73%	21,227	14,589
189	440-4080-539.23-10	Life Insurance	1,647	0	1,647	Lines	59.27%	40.73%	976	671
190	440-4080-539.23-20	Group Medical Insurance	151,456	0	151,456	Lines	59.27%	40.73%	89,764	61,692
191	440-4080-539.23-21	HSA Employer Contribution	1,300	0	1,300	Lines	59.27%	40.73%	770	530
192	440-4080-539.23-22	HRA Employer Contribution	2,000	0	2,000	Lines	59.27%	40.73%	1,185	815
193	440-4080-539.23-30	Dental Insurance	5,616	0	5,616	Lines	59.27%	40.73%	3,328	2,288
194	440-4080-539.23-40	Long Term Disability	3,394	0	3,394	Lines	59.27%	40.73%	2,012	1,382
195	440-4080-539.23-60	Broker & Admin. Fees	3,955	0	3,955	Lines	59.27%	40.73%	2,344	1,611
196	440-4080-539.23-90	OPEB Expense	0	5,052	5,052	Lines	59.27%	40.73%	2,994	2,058
197	440-4080-539.24-10	Worker's Compensation	18,225	0	18,225	Lines	59.27%	40.73%	10,801	7,424
198		Subtotal Personnel Costs	\$777,181	\$5,052	\$782,233		59.27%	40.73%	\$463,608	\$318,625
		<u>Operating Expenses</u>								
199	440-4080-539.34-10	Other Contractual Service	\$187	\$0	\$187	Lines	59.27%	40.73%	\$111	\$76
200	440-4080-539.40-10	Travel & Per Diem	3,138	0	3,138	Lines	59.27%	40.73%	1,860	1,278
201	440-4080-539.41-10	Telephone	0	0	0	Lines	59.27%	40.73%	0	0
202	440-4080-539.41-15	Cellular	874	0	874	Lines	59.27%	40.73%	518	356
203	440-4080-539.41-20	Internet	829	0	829	Lines	59.27%	40.73%	491	338
204	440-4080-539.41-40	Postage	0	0	0	Lines	59.27%	40.73%	0	0
205	440-4080-539.44-10	Rent	1,000	0	1,000	Lines	59.27%	40.73%	593	407
206	440-4080-539.46-10	Repair & Maintenance	365,500	0	365,500	Accounts	51.59%	48.41%	188,545	176,955
207	440-4080-539.46-20	Fleet Charges	34,846	0	34,846	Lines	59.27%	40.73%	20,652	14,194
208	440-4080-539.49-01	Cost Allocation [2]	119,749	0	119,749	Lines	59.27%	40.73%	70,972	48,777
209	440-4080-539.49-10	Other Charges/Obligations	46,050	0	46,050	Lines	59.27%	40.73%	27,293	18,757
210	440-4080-539.49-40	PILOFF Water & Sewer [3]	82,519	(82,519)	0	Lines	59.27%	40.73%	0	0
211	440-4080-539.51-10	Office Supplies	400	0	400	Lines	59.27%	40.73%	237	163
212	440-4080-539.52-10	Operating Supplies	55,400	0	55,400	Lines	59.27%	40.73%	32,834	22,566
213	440-4080-539.52-20	Unleaded & Diesel	28,093	0	28,093	Lines	59.27%	40.73%	16,650	11,443
214	440-4080-539.52-30	Uniforms	1,750	0	1,750	Lines	59.27%	40.73%	1,037	713
215	440-4080-539.54-10	Books, Pubs, Subs, & Mem	30	0	30	Lines	59.27%	40.73%	18	12
216	440-4080-539.54-20	Educational Development	2,900	0	2,900	Lines	59.27%	40.73%	1,719	1,181
217		Subtotal Operating Expenses	\$743,265	(\$82,519)	\$660,746		55.02%	44.98%	\$363,529	\$297,217

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

**Allocation of Fiscal Year 2019 Operating Budget [1]**

Line No.	Cost Center Code	Description	Budget 2019	Adjustments	Adjusted 2019	Allocation Factor	Allocation Percentages		Allocated Amounts	
							Water	Wastewater	Water	Wastewater
218		Total Field Operations	\$1,520,446	(\$77,467)	\$1,442,979		57.32%	42.68%	\$827,137	\$615,842
	440-5555-580, 581, 589	<b>Non-Departmental [4]</b>								
219	440-5555-580.22-10	Retirement Contributions	\$355,496	\$0	\$355,496	Equal	50.00%	50.00%	\$177,748	\$177,748
220	440-5555-580.23-80	PTO Expense	0	0	0	Eliminate	0.00%	0.00%	0	0
221	440-5555-580.31-10	Professional Services	30,359	0	30,359	Revenues	43.83%	56.17%	13,308	17,051
222	440-5555-580.32-10	Accounting & Auditing	0	0	0	Eliminate	0.00%	0.00%	0	0
223	440-5555-580.45-10	General Liability	16,062	0	16,062	Assets	42.00%	58.00%	6,746	9,316
224	440-5555-580.45-15	Property	72,670	0	72,670	Assets	42.00%	58.00%	30,521	42,149
225	440-5555-580.45-20	Public Officials	12,775	0	12,775	Revenues	43.83%	56.17%	5,600	7,175
226	440-5555-580.45-25	Automobile	17,499	0	17,499	Assets	42.00%	58.00%	7,350	10,149
227	440-5555-580.45-35	Environmental Liability	3,537	0	3,537	Equal	50.00%	50.00%	1,769	1,769
228	440-5555-580.49-10	Other Charges/Obligations	2,390	0	2,390	Equal	50.00%	50.00%	1,195	1,195
229	440-5555-580.49-20	Bank Charges	0	0	0	Eliminate	0.00%	0.00%	0	0
230	440-5555-580.49-50	Write Off	0	0	0	Eliminate	0.00%	0.00%	0	0
231	440-5555-580.49-60	Hurricane Charges	0	0	0	Equal	50.00%	50.00%	0	0
232	440-5555-580.52-10	Operating Supplies	0	0	0	Eliminate	0.00%	0.00%	0	0
233	440-5555-580.59-10	Depreciation	0	0	0	Eliminate	0.00%	0.00%	0	0
234	440-5555-580.62-10	Buildings	20,000	(20,000)	0	Assets	42.00%	58.00%	0	0
235	440-5555-580.63-10	Improvements O/T Building	0	0	0	Assets	42.00%	58.00%	0	0
236	440-5555-580.64-10	Machinery & Equipment	107,225	(107,225)	0	Assets	42.00%	58.00%	0	0
237	440-5555-580.64-20	Motor Vehicles	112,000	(112,000)	0	Assets	42.00%	58.00%	0	0
238	440-5555-580.71-15	JCI Meters	674,000	(674,000)	0	Direct-W	100.00%	0.00%	0	0
239	440-5555-580.71-24	Refunding Bond Series 09	0	0	0	Assets	42.00%	58.00%	0	0
240	440-5555-580.71-26	BBT SRF Refinance 2012	0	0	0	Assets	42.00%	58.00%	0	0
241	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	31,750	(31,750)	0	Direct-S	0.00%	100.00%	0	0
242	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	288,230	(288,230)	0	Direct-S	0.00%	100.00%	0	0
243	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	876,000	(876,000)	0	Direct-S	0.00%	100.00%	0	0
244	440-5555-580.72-13	BOA Obligation #265	0	0	0	Eliminate	0.00%	0.00%	0	0
245	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	4,775	(4,775)	0	Equal	50.00%	50.00%	0	0
246	440-5555-580.72-15	JCI Meters	22,901	(22,901)	0	Direct-W	100.00%	0.00%	0	0
247	440-5555-580.72-20	State Revolving Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
248	440-5555-580.72-24	Refunding Bond Series 09	0	0	0	Assets	42.00%	58.00%	0	0
249	440-5555-580.72-26	BBT SRF Refinance 2012	0	0	0	Assets	42.00%	58.00%	0	0
250	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	4,546	(4,546)	0	Direct-S	0.00%	100.00%	0	0
251	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	95,740	(95,740)	0	Direct-S	0.00%	100.00%	0	0
252	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	229,442	(229,442)	0	Direct-S	0.00%	100.00%	0	0
253	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	401	(401)	0	Equal	50.00%	50.00%	0	0
254	440-5555-580.72-42	SRF 640530 Reel X Design	0	0	0	Direct-S	0.00%	100.00%	0	0
255	440-5555-580.73-11	2013 SunTrust JCI	0	0	0	Eliminate	0.00%	0.00%	0	0
256	440-5555-580.73-21	Bond Issuance Cost - SRF	0	0	0	Eliminate	0.00%	0.00%	0	0
257	440-5555-580.73-41	BBT SRF Refinance 2012	0	0	0	Eliminate	0.00%	0.00%	0	0
258	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	0	0	Eliminate	0.00%	0.00%	0	0
259	440-5555-581.03-31	Capital Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
260	440-5555-581.04-44	Renewal And Replacement	600,000	(600,000)	0	Eliminate	0.00%	0.00%	0	0
261	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	0	0	Revenues	43.83%	56.17%	0	0
262	440-5555-581.04-50	Public Works Complex - Debt Service	0	0	0	Assets	42.00%	58.00%	0	0
263	440-5555-581.05-01	MIS	8,800	(8,800)	0	Assets	42.00%	58.00%	0	0
264	440-5555-589.50-50	Stabilization / Charter Reserve Estimated Savings	385,708	(385,708)	0	Eliminate	0.00%	0.00%	0	0
265	440-5555-581.10-01	General Fund	0	0	0	Eliminate	0.00%	0.00%	0	0
266	440-5555-589.10-01	Current Year Unreserved	132,935	(132,935)	0	Revenues	43.83%	56.17%	0	0
267		Total Non-Departmental	\$4,105,241	(\$3,594,453)	\$510,788		47.82%	52.18%	\$244,236	\$266,552
		<b>Other Adjustments</b>								
268	Contingency	Contingency - 1.00% of O&M [5]	\$0	\$72,495	\$72,495	Calculation	44.42%	55.58%	\$32,202	\$40,292
269	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	0	26,586	26,586	Calculation	43.82%	56.18%	11,650	14,936
270	Other	Other Adjustments	0	0	0	Adm Salary	42.56%	57.44%	0	0
271		Total Other Adjustments	\$0	\$99,080	\$99,080		44.26%	55.74%	\$43,852	\$55,228
272		<b>Grand Total Operating Budget</b>	<b>\$11,477,345</b>	<b>(\$4,128,799)</b>	<b>\$7,348,546</b>		<b>44.42%</b>	<b>55.58%</b>	<b>\$3,264,078</b>	<b>\$4,084,468</b>

**Footnotes:**

- [1] Budgeted amounts shown are based on the Fiscal Year 2019 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 1.00% 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	51.59%	48.41%	100.00%
6	Sales Revenues	Revenues	43.83%	56.17%	100.00%
7	Treated Flows	Flows	57.17%	42.83%	100.00%
8	Miles of Line	Lines	59.27%	40.73%	100.00%
9	Operating Expenses	Op Exp	44.42%	55.58%	100.00%
10	Administration Operations Salaries	Adm Salary	42.56%	57.44%	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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
<b>440-4010-539 Administration Department</b>									
1	440-4010-539.12-10	Regular Salaries	\$114,570	Labor	\$118,007	\$121,547	\$125,194	\$128,950	\$132,818
2	440-4010-539.14-10	Overtime	3,072	Labor	3,164	3,259	3,357	3,457	3,561
3	440-4010-539.15-30	Cell Phone	844	Inflation	864	886	908	931	954
4	440-4010-539.15-60	Boot Allowance	53	Inflation	54	56	57	59	60
5	440-4010-539.21-10	FICA Taxes	6,597	Labor	6,795	6,998	7,208	7,425	7,647
6	440-4010-539.21-20	Medicare	1,543	Labor	1,589	1,637	1,686	1,737	1,789
7	440-4010-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
8	440-4010-539.22-20	DCSE	12,751	Labor	13,134	13,528	13,934	14,352	14,782
9	440-4010-539.23-10	Life Insurance	408	General-Ins	429	450	473	496	521
10	440-4010-539.23-20	Group Medical Insurance	25,915	Health-Ins	28,506	31,357	34,493	37,942	41,736
	440-4010-539.23-21	HSA Employer Contribution	553	Labor	570	587	605	623	641
	440-4010-539.23-22	HRA Employer Contribution	426	Labor	438	452	465	479	493
11	440-4010-539.23-30	Dental Insurance	1,133	Health-Ins	1,246	1,370	1,507	1,658	1,824
12	440-4010-539.23-40	Long Term Disability	772	Health-Ins	849	934	1,027	1,130	1,243
	440-4010-539.23-60	Broker & Admin. Fees	681	Health-Ins	749	823	906	996	1,096
13	440-4010-539.23-90	OPEB Expense	829	Marginal	838	846	855	863	872
14	440-4010-539.24-10	Worker's Compensation	200	Labor	206	212	219	225	232
15		Subtotal Personnel Expenses	\$170,346		\$177,437	\$184,943	\$192,892	\$201,322	\$210,269
<b><u>Operating Expenses</u></b>									
16	440-4010-539.34-10	Other Contractual Service	\$1,129	Contractual	\$1,174	\$1,221	\$1,270	\$1,321	\$1,374
17	440-4010-539.40-10	Travel & Per Diem	1,660	Inflation	1,700	1,744	1,788	1,832	1,876
18	440-4010-539.41-10	Telephone	1	Inflation	1	1	1	1	1
19	440-4010-539.41-20	Internet	1,977	Inflation	2,025	2,078	2,129	2,183	2,235
20	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
21	440-4010-539.43-10	Electric	1,745	Electricity	1,832	1,924	2,020	2,121	2,227
22	440-4010-539.46-10	Repair & Maintenance	979	Repair	1,008	1,039	1,070	1,102	1,135
23	440-4010-539.46-20	Fleet Charges	609	Repair	627	646	666	686	706
24	440-4010-539.47-20	Copier	2,466	Inflation	2,525	2,590	2,655	2,722	2,787
25	440-4010-539.49-01	Cost Allocation [2]	218,836	Labor	225,401	232,163	239,128	246,302	253,691
26	440-4010-539.49-10	Other Charges/Obligations	85	Inflation	87	89	92	94	96
27	440-4010-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
28	440-4010-539.51-10	Office Supplies	638	Inflation	654	671	688	705	722
29	440-4010-539.52-10	Operating Supplies	851	Inflation	872	894	917	940	962
30	440-4010-539.52-20	Unleaded & Diesel	446	Fuel	468	492	516	542	569
31	440-4010-539.52-30	Uniforms	330	Inflation	338	347	355	364	373
32	440-4010-539.54-10	Books, Pubs, Subs. & Mem	3,561	Inflation	3,647	3,741	3,835	3,931	4,025
33	440-4010-539.54-20	Educational Development	1,681	Inflation	1,722	1,766	1,810	1,856	1,900
34		Subtotal Operating Expenses	\$236,995		\$244,081	\$251,407	\$258,940	\$266,700	\$274,680
35		Total Administration Department	\$407,341		\$421,518	\$436,349	\$451,832	\$468,022	\$484,949
<b>440-4030-533 Water Department</b>									
36	440-4030-533.12-10	Regular Salaries	\$466,699	Labor	\$480,700	\$495,121	\$509,975	\$525,274	\$541,032
37		AddPerWater Additional Personnel	0	Input	0	0	0	0	0
38	440-4030-533.12-20	DC ICMA	13,951	Labor	14,370	14,801	15,245	15,702	16,173
39	440-4030-533.14-10	Overtime	30,139	Labor	31,043	31,974	32,934	33,922	34,939
40	440-4030-533.15-30	Cell Phone	905	Inflation	927	951	975	999	1,023
41	440-4030-533.15-60	Boot Allowance	1,250	Inflation	1,280	1,313	1,346	1,380	1,413
42	440-4030-533.21-10	FICA Taxes	26,572	Labor	27,369	28,190	29,036	29,907	30,804
43	440-4030-533.21-20	Medicare	6,215	Labor	6,401	6,593	6,791	6,995	7,205
44	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
45	440-4030-533.22-20	DCSE	39,185	Labor	40,361	41,571	42,819	44,103	45,426
46	440-4030-533.23-10	Life Insurance	1,701	General-Ins	1,786	1,875	1,969	2,068	2,171
47	440-4030-533.23-20	Group Medical Insurance	114,975	Health-Ins	126,473	139,120	153,032	168,335	185,168
48	440-4030-533.23-21	HSA Employer Contribution	4,450	Labor	4,584	4,721	4,863	5,009	5,159
49	440-4030-533.23-22	HRA Employer Contribution	1,750	Labor	1,803	1,857	1,912	1,970	2,029
50	440-4030-533.23-30	Dental Insurance	3,469	Health-Ins	3,816	4,197	4,617	5,079	5,587
51	440-4030-533.23-40	Long Term Disability	3,214	Health-Ins	3,535	3,889	4,278	4,706	5,176
52	440-4030-533.23-60	Broker & Admin. Fees	3,590	Health-Ins	3,949	4,344	4,778	5,256	5,782
53	440-4030-533.23-90	OPEB Expense	5,439	Marginal	5,494	5,549	5,604	5,660	5,717
54	440-4030-533.24-10	Worker's Compensation	15,828	Labor	16,303	16,792	17,296	17,815	18,349
55		Subtotal Personnel Expenses	\$739,332		\$770,192	\$802,859	\$837,468	\$874,177	\$913,153
<b><u>Operating Expenses</u></b>									
56	440-4030-533.31-10	Professional Services	\$5,995	Contractual	\$6,235	\$6,484	\$6,744	\$7,013	\$7,294
57	440-4030-533.34-10	Other Contractual Service	94,305	Contractual	98,077	102,000	106,080	110,324	114,736
58	440-4030-533.40-10	Travel & Per Diem	600	Inflation	614	630	646	662	678
59	440-4030-533.41-10	Telephone	0	Inflation	0	0	0	0	0
60	440-4030-533.41-11	Cell Phone	0	Inflation	0	0	0	0	0
61	440-4030-533.41-15	Cellular	77	Inflation	79	81	83	85	87
62	440-4030-533.41-20	Internet	1,420	Inflation	1,454	1,492	1,529	1,567	1,605
63	440-4030-533.41-30	Legal Ads	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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
64	440-4030-533.41-40	Postage	12,000	Inflation	12,288	12,607	12,923	13,246	13,564
65	440-4030-533.43-10	Electric	153,200	W-Elec	161,194	169,605	178,453	187,763	197,557
66	440-4030-533.44-10	Rent	1,310	Inflation	1,341	1,376	1,411	1,446	1,481
67	440-4030-533.46-10	Repair & Maintenance	106,737	Repair	58,731	60,493	62,308	64,177	66,102
68	440-4030-533.46-20	Fleet Charges	2,862	Repair	2,948	3,036	3,127	3,221	3,318
69	440-4030-533.47-10	Printing & Binding	200	Inflation	205	210	215	221	226
70	440-4030-533.47-20	Copier	1,591	Inflation	1,629	1,672	1,713	1,756	1,798
71	440-4030-533.48-10	Promotional Activities	5,175	Inflation	5,299	5,437	5,573	5,712	5,849
72	440-4030-533.49-01	Cost Allocation [2]	152,023	Labor	156,584	161,281	166,120	171,103	176,236
73	440-4030-533.49-10	Other Charges/Obligations	16,600	Inflation	16,998	17,440	17,876	18,323	18,763
74	440-4030-533.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
75	440-4030-533.51-10	Office Supplies	650	Inflation	666	683	700	717	735
76	440-4030-533.52-10	Operating Supplies	26,798	Inflation	27,441	28,155	28,858	29,580	30,290
77	440-4030-533.52-20	Unleaded & Diesel	1,904	Fuel	1,999	2,099	2,204	2,314	2,430
78	440-4030-533.52-25	Bulk Fuel	7,000	Fuel	7,350	7,718	8,103	8,509	8,934
79	440-4030-533.52-30	Uniforms	1,575	Inflation	1,613	1,655	1,696	1,739	1,780
80	440-4030-533.52-50	Chemical	407,762	W-Chem	408,609	409,456	430,819	453,294	476,939
81	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	Inflation	1,147	1,177	1,206	1,236	1,266
82	440-4030-533.54-20	Educational Development	1,275	Inflation	1,306	1,340	1,373	1,407	1,441
83		Subtotal Operating Expenses	\$1,002,179		\$973,807	\$996,127	\$1,039,762	\$1,085,416	\$1,133,110
84		Total Water Department	\$1,741,511		\$1,743,999	\$1,798,986	\$1,877,230	\$1,959,593	\$2,046,263
	<b>440-4040-535</b>	<b><u>Wastewater Department</u></b>							
85	440-4040-535.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
86	AddPerWastewater	Additional Personnel	0	Input	0	0	0	0	0
87	440-4040-535.13-10	Other Salaries	0	Labor	0	0	0	0	0
88	440-4040-535.14-10	Overtime	0	Labor	0	0	0	0	0
89	440-4040-535.15-30	Cell Phone	0	Inflation	0	0	0	0	0
90	440-4040-535.15-40	Insurance Payback	0	Health-Ins	0	0	0	0	0
91	440-4040-535.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
92	440-4040-535.21-10	FICA Taxes	0	Labor	0	0	0	0	0
93	440-4040-535.21-20	Medicare	0	Labor	0	0	0	0	0
94	440-4040-535.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
95	440-4040-535.22-20	DCSE	0	Inflation	0	0	0	0	0
96	440-4040-535.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
97	440-4040-535.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
98	440-4040-535.23-21	HSA Employer Contribution	0	Labor	0	0	0	0	0
99	440-4040-535.23-22	HRA Employer Contribution	0	Labor	0	0	0	0	0
100	440-4040-535.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
101	440-4040-535.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
102	440-4040-535.23-60	Broker & Admin. Fees	0	Health-Ins	0	0	0	0	0
103	440-4040-535.23-90	OPEB	0	Marginal	0	0	0	0	0
104	440-4040-535.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
105		Subtotal Personnel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
		<u>Operating Expenses</u>							
106	440-4040-535.31-10	Professional Services	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
107	440-4040-535.34-10	Other Contractual Service	0	Contractual	0	0	0	0	0
108	440-4040-535.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
109	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
110	440-4040-535.41-15	Cellular	0	Inflation	0	0	0	0	0
111	440-4040-535.41-20	Internet	0	Inflation	0	0	0	0	0
112	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
113	440-4040-535.41-40	Postage	0	Inflation	0	0	0	0	0
114	440-4040-535.43-10	Electric	0	WW-Elec	0	0	0	0	0
115	440-4040-535.43-30	Water / Sewer / Trash	0	Inflation	0	0	0	0	0
116	440-4040-535.44-10	Rent	0	Inflation	0	0	0	0	0
117	440-4040-535.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
118	440-4040-535.46-20	Fleet Charges	0	Repair	0	0	0	0	0
119	440-4040-535.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
120	440-4040-535.47-20	Copier	0	Inflation	0	0	0	0	0
121	440-4040-535.48-10	Promotional Activities	0	Inflation	0	0	0	0	0
122	440-4040-535.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
123	440-4040-535.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
124	440-4040-535.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
125	440-4040-535.51-10	Office Supplies	0	Inflation	0	0	0	0	0
126	440-4040-535.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
127	440-4040-535.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
128	440-4040-535.52-25	Bulk Fuel	0	Fuel	0	0	0	0	0
129	440-4040-535.52-30	Uniforms	0	Inflation	0	0	0	0	0
130	440-4040-535.52-50	Chemical	0	WW-Chem	0	0	0	0	0
131	440-4040-535.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
132	440-4040-535.54-20	Educational Development	0	Inflation	0	0	0	0	0
133		Subtotal Operating Expenses	\$0		\$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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
134		Total Wastewater Department	\$0		\$0	\$0	\$0	\$0	\$0
	<b>440-4050-539</b>	<b><u>Wastewater Collections</u></b>							
135	440-4050-539.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
136	AddPerCollections	Additional Personnel	0	Input	0	0	0	0	0
137	440-4050-539.14-10	Overtime	0	Labor	0	0	0	0	0
138	440-4050-539.15-30	Cell Phone	0	Inflation	0	0	0	0	0
139	440-4050-539.15-60	Boot Allowance	0	Inflation	0	0	0	0	0
140	440-4050-539.21-10	FICA Taxes	0	Labor	0	0	0	0	0
141	440-4050-539.21-20	Medicare	0	Labor	0	0	0	0	0
142	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
143	440-4050-539.22-20	DCSE	0	Labor	0	0	0	0	0
144	440-4050-539.23-10	Life Insurance	0	General-Ins	0	0	0	0	0
145	440-4050-539.23-20	Group Medical Insurance	0	Health-Ins	0	0	0	0	0
146	440-4050-539.23-22	HRA Employer Contribution	0	Labor	0	0	0	0	0
147	440-4050-539.23-30	Dental Insurance	0	Health-Ins	0	0	0	0	0
148	440-4050-539.23-40	Long Term Disability	0	Health-Ins	0	0	0	0	0
149	440-4050-539.23-60	Broker & Admin. Fees	0	Health-Ins	0	0	0	0	0
150	440-4050-539.23-90	OPEB Expense	0	Marginal	0	0	0	0	0
151	440-4050-539.24-10	Worker's Compensation	0	Labor	0	0	0	0	0
152		Subtotal Personnel Expenses	\$0		\$0	\$0	\$0	\$0	\$0
		<u>Operating Expenses</u>							
153	440-4050-539.34-10	Other Contractual Service	\$0	Contractual	\$0	\$0	\$0	\$0	\$0
154	440-4050-539.40-10	Travel & Per Diem	0	Inflation	0	0	0	0	0
155	440-4050-539.41-10	Telephone	0	Inflation	0	0	0	0	0
156	440-4050-539.41-15	Cellular	0	Inflation	0	0	0	0	0
157	440-4050-539.41-20	Internet	0	Inflation	0	0	0	0	0
158	440-4050-539.43-10	Electric	0	WW-Elec	0	0	0	0	0
159	440-4050-539.43-30	Water / Sewer / Trash	0	Inflation	0	0	0	0	0
160	440-4050-539.44-10	Rent	0	Inflation	0	0	0	0	0
161	440-4050-539.46-10	Repair & Maintenance	0	Repair	0	0	0	0	0
162	440-4050-539.46-20	Fleet Charges	0	Repair	0	0	0	0	0
163	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
164	440-4050-539.47-20	Copier	0	Inflation	0	0	0	0	0
165	440-4050-539.49-01	Cost Allocation [2]	0	Labor	0	0	0	0	0
166	440-4050-539.49-10	Other Charges/Obligations	0	Inflation	0	0	0	0	0
167	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
168	440-4050-539.51-10	Office Supplies	0	Inflation	0	0	0	0	0
169	440-4050-539.52-10	Operating Supplies	0	Inflation	0	0	0	0	0
170	440-4050-539.52-20	Unleaded & Diesel	0	Fuel	0	0	0	0	0
171	440-4050-539.52-30	Uniforms	0	Inflation	0	0	0	0	0
172	440-4050-539.52-50	Chemical	0	WW-Chem	0	0	0	0	0
173	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
174	440-4050-539.54-20	Educational Development	0	Inflation	0	0	0	0	0
175		Subtotal Operating Expenses	\$0		\$0	\$0	\$0	\$0	\$0
176		Total Wastewater Collections	\$0		\$0	\$0	\$0	\$0	\$0
	<b>440-4080-539</b>	<b><u>Field Operations</u></b>							
177	440-4080-539.12-10	Regular Salaries	\$275,858	Labor	\$284,134	\$292,658	\$301,438	\$310,481	\$319,795
178	AddPerFieldOps	Additional Personnel	0	Input	0	0	0	0	0
179	440-4080-539.12-20	DC ICMA	11,876	Labor	12,232	12,599	12,977	13,367	13,768
180	440-4080-539.14-10	Overtime	19,136	Labor	19,710	20,301	20,910	21,537	22,183
181	440-4080-539.15-30	Cell Phone	787	Inflation	806	827	848	869	890
182	440-4080-539.15-60	Boot Allowance	889	Inflation	910	934	957	981	1,005
183	440-4080-539.21-10	FICA Taxes	15,933	Labor	16,411	16,904	17,411	17,933	18,471
184	440-4080-539.21-20	Medicare	3,726	Labor	3,838	3,953	4,072	4,194	4,320
185	440-4080-539.22-20	DCSE	21,227	Labor	21,864	22,520	23,195	23,891	24,608
186	440-4080-539.23-10	Life Insurance	976	General-Ins	1,025	1,076	1,130	1,186	1,246
187	440-4080-539.23-20	Group Medical Insurance	89,764	Health-Ins	98,740	108,614	119,476	131,423	144,565
188	440-4080-539.23-21	HSA Employer Contribution	770	Labor	794	817	842	867	893
189	440-4080-539.23-22	HRA Employer Contribution	1,185	Labor	1,221	1,258	1,295	1,334	1,374
190	440-4080-539.23-30	Dental Insurance	3,328	Health-Ins	3,661	4,027	4,430	4,873	5,360
191	440-4080-539.23-40	Long Term Disability	2,012	Health-Ins	2,213	2,434	2,677	2,945	3,240
192	440-4080-539.23-60	Broker & Admin. Fees	2,344	Health-Ins	2,578	2,836	3,120	3,432	3,775
193	440-4080-539.23-90	OPEB Expense	2,994	Marginal	3,024	3,055	3,085	3,116	3,147
194	440-4080-539.24-10	Worker's Compensation	10,801	Labor	11,125	11,459	11,803	12,157	12,522
195		Subtotal Personnel Costs	\$463,608		\$484,287	\$506,273	\$529,666	\$554,587	\$581,162
		<u>Operating Expenses</u>							
196	440-4080-539.34-10	Other Contractual Service	\$111	Contractual	\$115	\$120	\$125	\$130	\$135
197	440-4080-539.40-10	Travel & Per Diem	1,860	Inflation	1,904	1,954	2,003	2,053	2,102

**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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
198	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
199	440-4080-539.41-15	Cellular	518	Inflation	530	544	558	572	585
200	440-4080-539.41-20	Internet	491	Inflation	503	516	529	542	555
201	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
202	440-4080-539.44-10	Rent	593	Inflation	607	623	638	654	670
203	440-4080-539.46-10	Repair & Maintenance	188,545	Calculated	357,198	291,828	292,755	293,710	294,693
204	440-4080-539.46-20	Fleet Charges	20,652	Repair	21,272	21,910	22,567	23,244	23,942
205	440-4080-539.49-01	Cost Allocation [2]	70,972	Labor	73,101	75,294	77,553	79,880	82,276
206	440-4080-539.49-10	Other Charges/Obligations	27,293	Inflation	27,948	28,674	29,391	30,126	30,849
207	440-4080-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
208	440-4080-539.51-10	Office Supplies	237	Inflation	243	249	255	262	268
209	440-4080-539.52-10	Operating Supplies	32,834	Inflation	33,622	34,496	35,359	36,243	37,112
210	440-4080-539.52-20	Unleaded & Diesel	16,650	Fuel	17,482	18,357	19,274	20,238	21,250
211	440-4080-539.52-30	Uniforms	1,037	Inflation	1,062	1,090	1,117	1,145	1,172
212	440-4080-539.54-10	Books, Pubs, Subs, & Mem	18	Inflation	18	19	19	20	20
213	440-4080-539.54-20	Educational Development	1,719	Inflation	1,760	1,806	1,851	1,897	1,943
214		Subtotal Operating Expenses	\$363,529		\$537,366	\$477,480	\$483,995	\$490,714	\$497,573
215		Total Field Operations	\$827,137		\$1,021,653	\$983,752	\$1,013,661	\$1,045,301	\$1,078,735
<b>440-5555-580, 581, 589 Non-Departmental [4]</b>									
216	440-5555-580.22-10	Retirement Contributions	\$177,748	Labor	\$183,080	\$188,573	\$194,230	\$200,057	\$206,059
217	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
218	440-5555-580.31-10	Professional Services	13,308	Contractual	13,840	14,394	14,969	15,568	16,191
219	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
220	440-5555-580.45-10	General Liability	6,746	General-Ins	7,083	7,438	7,809	8,200	8,610
221	440-5555-580.45-15	Property	30,521	General-Ins	32,047	33,650	35,332	37,099	38,954
222	440-5555-580.45-20	Public Officials	5,600	Labor	5,768	5,941	6,119	6,303	6,492
223	440-5555-580.45-25	Automobile	7,350	General-Ins	7,717	8,103	8,508	8,933	9,380
224	440-5555-580.45-35	Environmental Liability	1,769	General-Ins	1,811	1,858	1,904	1,952	1,999
225	440-5555-580.49-10	Other Charges/Obligations	1,195	Inflation	1,224	1,255	1,287	1,319	1,351
226	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
227	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
228	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
229	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
230	440-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
231	440-5555-580.62-10	Buildings	0	Eliminate	0	0	0	0	0
232	440-5555-580.63-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
233	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
234	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
235	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
236	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
237	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
238	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
239	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
240	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
241	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
242	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
243	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
244	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
245	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
246	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
247	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
248	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
249	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
250	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
251	440-5555-580.72-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
251	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
252	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
253	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
254	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
255	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
256	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
257	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
258	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
259	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
260	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
261	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
262	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
263		Total Non-Departmental	\$244,236		\$252,571	\$261,211	\$270,160	\$279,431	\$289,035
<b>Other Adjustments</b>									
264	Contingency	Contingency - 1.00% of O&M [5]	\$32,202	Input	\$34,397	\$34,803	\$36,129	\$37,523	\$38,990
265	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	11,650	Input	12,668	13,841	14,392	14,858	15,340
266	Other	Other Adjustments	0	W-Op	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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
267		Total Other Adjustments	\$43,852		\$47,066	\$48,644	\$50,521	\$52,382	\$54,329
268		<b>Grand Total Operating Budget</b>	<b>\$3,264,078</b>		<b>\$3,486,807</b>	<b>\$3,528,943</b>	<b>\$3,663,403</b>	<b>\$3,804,730</b>	<b>\$3,953,311</b>

**Footnotes:**

- [1] Fiscal Year 2018 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 1.00% 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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
<b>440-4010-539 Administration Department</b>									
1	440-4010-539.12-10	Regular Salaries	\$154,612	Labor	\$159,250	\$164,028	\$168,949	\$174,017	\$179,238
2	440-4010-539.14-10	Overtime	4,145	Labor	4,270	4,398	4,530	4,666	4,806
3	440-4010-539.15-30	Cell Phone	1,138	Inflation	1,166	1,196	1,226	1,257	1,287
4	440-4010-539.15-60	Boot Allowance	72	Inflation	74	75	77	79	81
5	440-4010-539.21-10	FICA Taxes	8,902	Labor	9,169	9,444	9,728	10,020	10,320
6	440-4010-539.21-20	Medicare	2,082	Labor	2,145	2,209	2,275	2,343	2,414
7	440-4010-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
8	440-4010-539.22-20	DCSE	17,208	Labor	17,724	18,256	18,803	19,367	19,949
9	440-4010-539.23-10	Life Insurance	551	General-Ins	578	607	638	670	703
10	440-4010-539.23-20	Group Medical Insurance	34,972	Health-Ins	38,469	42,316	46,548	51,203	56,323
11	440-4010-539.23-21	HSA Employer Contribution	747	Labor	769	792	816	840	866
12	440-4010-539.23-22	HRA Employer Contribution	574	Labor	592	609	628	646	666
13	440-4010-539.23-30	Dental Insurance	1,528	Health-Ins	1,681	1,849	2,034	2,238	2,462
14	440-4010-539.23-40	Long Term Disability	1,041	Health-Ins	1,145	1,260	1,386	1,525	1,677
15	440-4010-539.23-60	Broker & Admin. Fees	918	Health-Ins	1,010	1,111	1,222	1,345	1,479
16	440-4010-539.23-90	OPEB Expense	1,119	Marginal	1,130	1,142	1,153	1,165	1,176
17	440-4010-539.24-10	Worker's Compensation	270	Labor	278	286	295	304	313
18		Subtotal Personnel Expenses	\$229,881		\$239,451	\$249,580	\$260,308	\$271,684	\$283,758
<b><u>Operating Expenses</u></b>									
19	440-4010-539.34-10	Other Contractual Service	1,524	Contractual	\$1,585	1,648	1,714	1,783	1,854
20	440-4010-539.40-10	Travel & Per Diem	2,240	Inflation	2,294	2,353	2,412	2,473	2,532
21	440-4010-539.41-10	Telephone	1	Inflation	1	1	1	1	1
22	440-4010-539.41-20	Internet	2,669	Inflation	2,733	2,804	2,874	2,946	3,016
23	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
24	440-4010-539.43-10	Electric	2,355	Electricity	2,473	2,596	2,726	2,862	3,006
25	440-4010-539.46-10	Repair & Maintenance	1,321	Repair	1,361	1,402	1,444	1,487	1,531
26	440-4010-539.46-20	Fleet Charges	822	Repair	847	872	898	925	953
27	440-4010-539.47-20	Copier	3,327	Inflation	3,407	3,496	3,583	3,673	3,761
28	440-4010-539.49-01	Cost Allocation [2]	295,319	Labor	304,179	313,304	322,703	332,384	342,356
29	440-4010-539.49-10	Other Charges/Obligations	115	Inflation	118	121	124	127	130
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	862	Inflation	882	905	928	951	974
32	440-4010-539.52-10	Operating Supplies	1,149	Inflation	1,176	1,207	1,237	1,268	1,298
33	440-4010-539.52-20	Unleaded & Diesel	602	Fuel	632	664	697	732	768
34	440-4010-539.52-30	Uniforms	445	Inflation	456	468	479	491	503
35	440-4010-539.54-10	Books, Pubs, Subs, & Mem	4,806	Inflation	4,921	5,049	5,175	5,305	5,432
36	440-4010-539.54-20	Educational Development	2,269	Inflation	2,323	2,384	2,443	2,504	2,564
37		Subtotal Operating Expenses	\$319,825		\$329,387	\$339,273	\$349,439	\$359,911	\$370,680
38		Total Administration Department	\$549,706		\$568,838	\$588,853	\$609,747	\$631,595	\$654,438
<b>440-4030-533 Water Department</b>									
39	440-4030-533.12-10	Regular Salaries	\$0	Labor	\$0	\$0	\$0	\$0	\$0
40	440-4030-533.12-20	AddPerWater	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
<b><u>Operating Expenses</u></b>									
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
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

**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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
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
<b>440-4040-535 Wastewater Department</b>									
88	440-4040-535.12-10	Regular Salaries	\$646,884	Labor	\$666,291	\$686,279	\$706,868	\$728,074	\$749,916
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	59,193	Labor	60,969	62,798	64,682	66,622	68,621
92	440-4040-535.15-30	Cell Phone	1,750	Inflation	1,792	1,839	1,885	1,932	1,978
93	440-4040-535.15-40	Insurance Payback	4,829	Health-Ins	5,312	5,843	6,427	7,070	7,777
94	440-4040-535.15-60	Boot Allowance	1,500	Inflation	1,536	1,576	1,615	1,656	1,695
95	440-4040-535.21-10	FICA Taxes	35,817	Labor	36,892	37,998	39,138	40,312	41,522
96	440-4040-535.21-20	Medicare	8,376	Labor	8,627	8,886	9,153	9,427	9,710
97	440-4040-535.22-10	Retirement Contributions	28,071	Labor	28,913	29,781	30,674	31,594	32,542
98	440-4040-535.22-20	DCSE	64,301	Inflation	65,844	67,556	69,245	70,976	72,680
99	440-4040-535.23-10	Life Insurance	2,289	General-Ins	2,403	2,524	2,650	2,782	2,921
100	440-4040-535.23-20	Group Medical Insurance	129,200	Health-Ins	142,120	156,332	171,965	189,162	208,078
101	440-4040-535.23-21	HSA Employer Contribution	0	Labor	0	0	0	0	0
102	440-4040-535.23-22	HRA Employer Contribution	2,000	Labor	2,060	2,122	2,185	2,251	2,319
103	440-4040-535.23-30	Dental Insurance	5,273	Health-Ins	5,800	6,380	7,018	7,720	8,492
104	440-4040-535.23-40	Long Term Disability	4,340	Health-Ins	4,774	5,251	5,777	6,354	6,990
105	440-4040-535.23-60	Broker & Admin. Fees	3,500	Health-Ins	3,850	4,235	4,659	5,124	5,637
106	440-4040-535.23-90	OPEB	6,452	Marginal	6,517	6,582	6,648	6,714	6,781
107	440-4040-535.24-10	Worker's Compensation	18,454	Labor	19,008	19,578	20,165	20,770	21,393
108		Subtotal Personnel Expenses	\$1,022,229		\$1,062,707	\$1,105,559	\$1,150,753	\$1,198,541	\$1,249,052
<b>Operating Expenses</b>									
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	228,480	Contractual	237,619	247,124	257,009	267,289	277,981
111	440-4040-535.40-10	Travel & Per Diem	3,950	Inflation	4,045	4,150	4,254	4,360	4,465
112	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
113	440-4040-535.41-15	Cellular	3	Inflation	3	3	3	3	3
114	440-4040-535.41-20	Internet	2,019	Inflation	2,067	2,121	2,174	2,229	2,282
115	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
116	440-4040-535.41-40	Postage	12,000	Inflation	12,288	12,607	12,923	13,246	13,564
117	440-4040-535.43-10	Electric	182,000	WW-Elec	191,638	201,785	212,468	223,715	235,555
118	440-4040-535.43-30	Water / Sewer / Trash	13,491	Inflation	13,815	14,174	14,528	14,892	15,249
119	440-4040-535.44-10	Rent	6,000	Inflation	6,144	6,304	6,461	6,623	6,782
120	440-4040-535.46-10	Repair & Maintenance	166,500	Repair	171,495	126,640	130,439	134,352	138,383
121	440-4040-535.46-20	Fleet Charges	6,724	Repair	6,926	7,133	7,347	7,568	7,795
122	440-4040-535.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
123	440-4040-535.47-20	Copier	1,241	Inflation	1,271	1,304	1,336	1,370	1,403
124	440-4040-535.48-10	Promotional Activities	1,550	Inflation	1,587	1,628	1,669	1,711	1,752
125	440-4040-535.49-01	Cost Allocation [2]	141,118	Labor	145,352	149,712	154,203	158,830	163,594
126	440-4040-535.49-10	Other Charges/Obligations	1,400	Inflation	1,434	1,471	1,508	1,545	1,582
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	1,024	1,051	1,077	1,104	1,130
129	440-4040-535.52-10	Operating Supplies	59,550	Inflation	60,979	62,565	64,129	65,732	67,310
130	440-4040-535.52-20	Unleaded & Diesel	2,476	Fuel	2,600	2,730	2,866	3,010	3,160
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	1,575	Inflation	1,613	1,655	1,696	1,739	1,780
133	440-4040-535.52-50	Chemical	144,200	WW-Chem	144,606	145,012	152,689	160,772	169,281
134	440-4040-535.54-10	Books, Pubs, Subs, & Mem	300	Inflation	307	315	323	331	339
135	440-4040-535.54-20	Educational Development	4,400	Inflation	4,506	4,623	4,738	4,857	4,973
136		Subtotal Operating Expenses	\$1,028,477		\$1,061,793	\$1,046,638	\$1,088,513	\$1,132,173	\$1,177,579

**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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
137		Total Wastewater Department	\$2,050,706		\$2,124,500	\$2,152,198	\$2,239,266	\$2,330,715	\$2,426,631
	<b>440-4050-539</b>	<b>Wastewater Collections</b>							
138	440-4050-539.12-10	Regular Salaries	\$165,606	Labor	\$170,574	\$175,691	\$180,962	\$186,391	\$191,983
139	AddPerCollections	Additional Personnel	0	Input	0	0	0	0	0
140	440-4050-539.14-10	Overtime	15,601	Labor	16,069	16,551	17,048	17,559	18,086
141	440-4050-539.15-30	Cell Phone	423	Inflation	433	444	456	467	478
142	440-4050-539.15-60	Boot Allowance	500	Inflation	512	525	538	552	565
143	440-4050-539.21-10	FICA Taxes	9,005	Labor	9,275	9,553	9,840	10,135	10,439
144	440-4050-539.21-20	Medicare	2,106	Labor	2,169	2,234	2,301	2,370	2,441
145	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
146	440-4050-539.22-20	DCSE	18,762	Labor	19,325	19,905	20,502	21,117	21,750
147	440-4050-539.23-10	Life Insurance	601	General-Ins	631	663	696	731	767
148	440-4050-539.23-20	Group Medical Insurance	45,718	Health-Ins	50,290	55,319	60,851	66,936	73,629
149	440-4050-539.23-22	HRA Employer Contribution	1,250	Labor	1,288	1,326	1,365	1,407	1,449
150	440-4050-539.23-30	Dental Insurance	874	Health-Ins	961	1,058	1,163	1,280	1,408
151	440-4050-539.23-40	Long Term Disability	1,134	Health-Ins	1,247	1,372	1,509	1,660	1,826
152	440-4050-539.23-60	Broker & Admin. Fees	1,014	Health-Ins	1,115	1,227	1,350	1,485	1,633
153	440-4050-539.23-90	OPEB Expense	1,865	Marginal	1,883	1,902	1,921	1,940	1,960
154	440-4050-539.24-10	Worker's Compensation	4,473	Labor	4,607	4,745	4,888	5,034	5,185
155		Subtotal Personnel Expenses	\$268,932		\$280,381	\$292,516	\$305,390	\$319,064	\$333,600
		<u>Operating Expenses</u>							
156	440-4050-539.34-10	Other Contractual Service	213	Contractual	\$222	230	240	249	259
157	440-4050-539.40-10	Travel & Per Diem	1,400	Inflation	1,434	1,471	1,508	1,545	1,582
158	440-4050-539.41-10	Telephone	0	Inflation	0	0	0	0	0
159	440-4050-539.41-15	Cellular	444	Inflation	455	466	478	490	502
160	440-4050-539.41-20	Internet	1,301	Inflation	1,332	1,367	1,401	1,436	1,471
161	440-4050-539.43-10	Electric	65,000	WW-Elec	68,442	72,066	75,881	79,898	84,127
162	440-4050-539.43-30	Water / Sewer / Trash	453	Inflation	464	476	488	500	512
163	440-4050-539.44-10	Rent	500	Inflation	512	525	538	552	565
164	440-4050-539.46-10	Repair & Maintenance	80,000	Repair	82,400	84,872	87,418	90,041	92,742
165	440-4050-539.46-20	Fleet Charges	13,724	Repair	14,136	14,560	14,997	15,446	15,910
166	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
167	440-4050-539.47-20	Copier	1,984	Inflation	2,032	2,084	2,137	2,190	2,243
168	440-4050-539.49-01	Cost Allocation [2]	44,995	Labor	46,345	47,735	49,167	50,642	52,162
169	440-4050-539.49-10	Other Charges/Obligations	1,650	Inflation	1,690	1,734	1,777	1,821	1,865
170	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
171	440-4050-539.51-10	Office Supplies	500	Inflation	512	525	538	552	565
172	440-4050-539.52-10	Operating Supplies	25,000	Inflation	25,600	26,266	26,922	27,595	28,258
173	440-4050-539.52-20	Unleaded & Diesel	13,809	Fuel	14,499	15,224	15,986	16,785	17,624
174	440-4050-539.52-30	Uniforms	880	Inflation	901	925	948	971	995
175	440-4050-539.52-50	Chemical	25,000	WW-Chem	25,070	25,141	26,472	27,873	29,348
176	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
177	440-4050-539.54-20	Educational Development	650	Inflation	666	683	700	717	735
178		Subtotal Operating Expenses	\$277,503		\$286,710	\$296,351	\$307,595	\$319,305	\$331,463
179		Total Wastewater Collections	\$546,435		\$567,091	\$588,867	\$612,986	\$638,369	\$665,064
	<b>440-4080-539</b>	<b>Field Operations</b>							
180	440-4080-539.12-10	Regular Salaries	\$189,590	Labor	\$195,278	\$201,136	\$207,170	\$213,385	\$219,787
181	AddPerFieldOps	Additional Personnel	0	Input	0	0	0	0	0
182	440-4080-539.12-20	DC ICMA	8,162	Labor	8,407	8,659	8,919	9,186	9,462
183	440-4080-539.14-10	Overtime	13,151	Labor	13,546	13,952	14,371	14,802	15,246
184	440-4080-539.15-30	Cell Phone	541	Inflation	554	568	583	597	611
185	440-4080-539.15-60	Boot Allowance	611	Inflation	626	642	658	674	691
186	440-4080-539.21-10	FICA Taxes	10,951	Labor	11,279	11,617	11,966	12,325	12,695
187	440-4080-539.21-20	Medicare	2,561	Labor	2,638	2,717	2,798	2,882	2,969
188	440-4080-539.22-20	DCSE	14,589	Labor	15,027	15,477	15,942	16,420	16,912
189	440-4080-539.23-10	Life Insurance	671	General-Ins	704	740	777	815	856
190	440-4080-539.23-20	Group Medical Insurance	61,692	Health-Ins	67,861	74,648	82,112	90,324	99,356
191	440-4080-539.23-21	HSA Employer Contribution	530	Labor	545	562	579	596	614
192	440-4080-539.23-22	HRA Employer Contribution	815	Labor	839	864	890	917	944
193	440-4080-539.23-30	Dental Insurance	2,288	Health-Ins	2,516	2,768	3,045	3,349	3,684
194	440-4080-539.23-40	Long Term Disability	1,382	Health-Ins	1,521	1,673	1,840	2,024	2,226
195	440-4080-539.23-60	Broker & Admin. Fees	1,611	Health-Ins	1,772	1,949	2,144	2,359	2,595
196	440-4080-539.23-90	OPEB Expense	2,058	Marginal	2,079	2,099	2,120	2,141	2,163
197	440-4080-539.24-10	Worker's Compensation	7,424	Labor	7,646	7,876	8,112	8,355	8,606
198		Subtotal Personnel Costs	\$318,625		\$332,837	\$347,947	\$364,025	\$381,153	\$399,417
		<u>Operating Expenses</u>							
199	440-4080-539.34-10	Other Contractual Service	76	Contractual	\$79	82	86	89	93
200	440-4080-539.40-10	Travel & Per Diem	1,278	Inflation	1,309	1,343	1,376	1,411	1,445

**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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
201	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
202	440-4080-539.41-15	Cellular	356	Inflation	365	374	383	393	402
203	440-4080-539.41-20	Internet	338	Inflation	346	355	364	373	382
204	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
205	440-4080-539.46-10	Rent	407	Inflation	417	428	439	450	460
206	440-4080-539.46-10	Repair & Maintenance	176,955	Calculated	245,492	200,566	201,203	201,859	202,534
207	440-4080-539.46-20	Fleet Charges	14,194	Repair	14,620	15,058	15,510	15,975	16,454
208	440-4080-539.49-01	Cost Allocation [2]	48,777	Labor	50,240	51,748	53,300	54,899	56,546
209	440-4080-539.49-10	Other Charges/Obligations	18,757	Inflation	19,208	19,707	20,200	20,705	21,202
210	440-4080-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
211	440-4080-539.51-10	Office Supplies	163	Inflation	167	171	175	180	184
212	440-4080-539.52-10	Operating Supplies	22,566	Inflation	23,108	23,708	24,301	24,909	25,506
213	440-4080-539.52-20	Unleaded & Diesel	11,443	Fuel	12,015	12,616	13,247	13,909	14,605
214	440-4080-539.52-30	Uniforms	713	Inflation	730	749	768	787	806
215	440-4080-539.54-10	Books, Pubs, Subs, & Mem	12	Inflation	13	13	13	13	14
216	440-4080-539.54-20	Educational Development	1,181	Inflation	1,210	1,241	1,272	1,304	1,335
217		Subtotal Operating Expenses	\$297,217		\$369,317	\$328,159	\$332,636	\$337,254	\$341,968
218		Total Field Operations	\$615,842		\$702,154	\$676,106	\$696,661	\$718,407	\$741,385
<b>440-5555-580, 581, 589 Non-Departmental [4]</b>									
219	440-5555-580.22-10	Retirement Contributions	\$177,748	Labor	\$183,080	\$188,573	\$194,230	\$200,057	\$206,059
220	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
221	440-5555-580.31-10	Professional Services	17,051	Contractual	17,733	18,443	19,180	19,948	20,746
222	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
223	440-5555-580.45-10	General Liability	9,316	General-Ins	9,782	10,271	10,784	11,324	11,890
224	440-5555-580.45-15	Property	42,149	General-Ins	44,256	46,469	48,792	51,232	53,793
225	440-5555-580.45-20	Public Officials	7,175	Labor	7,390	7,612	7,841	8,076	8,318
226	440-5555-580.45-25	Automobile	10,149	General-Ins	10,657	11,190	11,749	12,337	12,954
227	440-5555-580.45-35	Environmental Liability	1,769	Inflation	1,811	1,858	1,904	1,952	1,999
228	440-5555-580.49-10	Other Charges/Obligations	1,195	Inflation	1,224	1,255	1,287	1,319	1,351
229	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
230	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
231	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
232	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
233	440-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
234	440-5555-580.62-10	Buildings	0	Eliminate	0	0	0	0	0
235	440-5555-580.63-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
236	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
237	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
238	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
239	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
240	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
241	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
242	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
243	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
244	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
245	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
246	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
247	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
248	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
249	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
250	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
251	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
252	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
253	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
254	440-5555-580.72-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
255	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
256	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
257	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
258	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
259	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
260	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
261	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
262	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
263	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
264	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
265	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
266	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
267		Total Non-Departmental	\$266,552		\$275,934	\$285,671	\$295,768	\$306,244	\$317,109
<b>Other Adjustments</b>									
268	Contingency	Contingency - 1.00% of O&M [5]	\$40,292	Input	\$42,385	\$42,917	\$44,544	\$46,253	\$48,046
269	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	14,936	Input	16,241	17,668	18,219	18,788	19,376
270	Other	Other Adjustments	0	WW-Op	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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
271		Total Other Adjustments	\$55,228		\$58,626	\$60,585	\$62,763	\$65,041	\$67,422
272		<b>Grand Total Operating Budget</b>	<b>\$4,084,468</b>		<b>\$4,297,143</b>	<b>\$4,352,279</b>	<b>\$4,517,192</b>	<b>\$4,690,371</b>	<b>\$4,872,048</b>

**Footnotes:**

- [1] Fiscal Year 2018 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 1.00% 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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
	440-4010-539	<b><u>Administration Department</u></b>							
1	440-4010-539.12-10	Regular Salaries	\$269,182	Labor	\$277,257	\$285,575	\$294,142	\$302,967	\$312,056
2	440-4010-539.14-10	Overtime	7,217	Labor	7,434	7,657	7,886	8,123	8,366
3	440-4010-539.15-30	Cell Phone	1,982	Inflation	2,030	2,082	2,134	2,188	2,240
4	440-4010-539.15-60	Boot Allowance	125	Inflation	128	131	135	138	141
5	440-4010-539.21-10	FICA Taxes	15,499	Labor	15,964	16,443	16,936	17,444	17,968
6	440-4010-539.21-20	Medicare	3,625	Labor	3,734	3,846	3,961	4,080	4,202
7	440-4010-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
8	440-4010-539.22-20	DCSE	29,959	Labor	30,858	31,784	32,737	33,719	34,731
9	440-4010-539.23-10	Life Insurance	959	General-Ins	1,007	1,057	1,110	1,166	1,224
10	440-4010-539.23-20	Group Medical Insurance	60,887	Health-Ins	66,976	73,673	81,041	89,145	98,059
11	440-4010-539.23-21	HSA Employer Contribution	1,300	Labor	1,339	1,379	1,421	1,463	1,507
12	440-4010-539.23-22	HRA Employer Contribution	1,000	Labor	1,030	1,061	1,093	1,126	1,159
13	440-4010-539.23-30	Dental Insurance	2,661	Health-Ins	2,927	3,220	3,542	3,896	4,286
14	440-4010-539.23-40	Long Term Disability	1,813	Health-Ins	1,994	2,194	2,413	2,654	2,920
15	440-4010-539.23-60	Broker & Admin. Fees	1,599	Health-Ins	1,759	1,935	2,128	2,341	2,575
16	440-4010-539.23-90	OPEB Expense	1,949	Marginal	1,968	1,988	2,008	2,028	2,048
17	440-4010-539.24-10	Worker's Compensation	470	Labor	484	499	514	529	545
18		Subtotal Personnel Expenses	\$400,227		\$416,888	\$434,523	\$453,201	\$473,006	\$494,027
		<b><u>Operating Expenses</u></b>							
19	440-4010-539.34-10	Other Contractual Service	\$2,653	Contractual	\$2,759	\$2,869	\$2,984	\$3,104	\$3,228
20	440-4010-539.40-10	Travel & Per Diem	3,900	Inflation	3,994	4,097	4,200	4,305	4,408
21	440-4010-539.41-10	Telephone	2	Inflation	2	2	2	2	2
22	440-4010-539.41-20	Internet	4,646	Inflation	4,758	4,881	5,003	5,128	5,251
23	440-4010-539.41-40	Postage	0	Inflation	0	0	0	0	0
24	440-4010-539.43-10	Electric	4,100	Electricity	4,305	4,520	4,746	4,984	5,233
25	440-4010-539.46-10	Repair & Maintenance	2,300	Repair	2,369	2,440	2,513	2,589	2,666
26	440-4010-539.46-20	Fleet Charges	1,431	Repair	1,474	1,518	1,564	1,611	1,659
27	440-4010-539.47-20	Copier	5,793	Inflation	5,932	6,086	6,238	6,394	6,548
28	440-4010-539.49-01	Cost Allocation [2]	514,155	Labor	529,580	545,467	561,831	578,686	596,047
29	440-4010-539.49-10	Other Charges/Obligations	200	Inflation	205	210	215	221	226
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	1,500	Inflation	1,536	1,576	1,615	1,656	1,695
32	440-4010-539.52-10	Operating Supplies	2,000	Inflation	2,048	2,101	2,154	2,208	2,261
33	440-4010-539.52-20	Unleaded & Diesel	1,048	Fuel	1,100	1,155	1,213	1,274	1,338
34	440-4010-539.52-30	Uniforms	775	Inflation	794	814	835	855	876
35	440-4010-539.54-10	Books, Pubs, Subs, & Mem	8,367	Inflation	8,568	8,791	9,010	9,236	9,457
36	440-4010-539.54-20	Educational Development	3,950	Inflation	4,045	4,150	4,254	4,360	4,465
37		Subtotal Operating Expenses	\$556,820		\$573,467	\$590,679	\$608,379	\$626,611	\$645,360
38		Total Administration Department	\$957,047		\$990,356	\$1,025,202	\$1,061,579	\$1,099,617	\$1,139,387
	440-4030-533	<b><u>Water Department</u></b>							
39	440-4030-533.12-10	Regular Salaries	\$466,699	Labor	\$480,700	\$495,121	\$509,975	\$525,274	\$541,032
40	440-4030-533.12-20	AddPerWater	0	Input	0	0	0	0	0
41	440-4030-533.12-20	DC ICMA	13,951	Labor	14,370	14,801	15,245	15,702	16,173
42	440-4030-533.14-10	Overtime	30,139	Labor	31,043	31,974	32,934	33,922	34,939
43	440-4030-533.15-30	Cell Phone	905	Inflation	927	951	979	1,003	1,028
44	440-4030-533.15-60	Boot Allowance	1,250	Inflation	1,280	1,313	1,346	1,380	1,413
45	440-4030-533.21-10	FICA Taxes	26,572	Labor	27,369	28,190	29,036	29,907	30,804
46	440-4030-533.21-20	Medicare	6,215	Labor	6,401	6,593	6,791	6,995	7,205
47	440-4030-533.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
48	440-4030-533.22-20	DCSE	39,185	Labor	40,361	41,571	42,819	44,103	45,426
49	440-4030-533.23-10	Life Insurance	1,701	General-Ins	1,786	1,875	1,969	2,068	2,171
50	440-4030-533.23-20	Group Medical Insurance	114,975	Health-Ins	126,473	139,120	153,032	168,335	185,168
51	440-4030-533.23-21	HSA Employer Contribution	4,450	Labor	4,584	4,721	4,863	5,009	5,159
52	440-4030-533.23-22	HRA Employer Contribution	1,750	Labor	1,803	1,857	1,912	1,970	2,029
53	440-4030-533.23-30	Dental Insurance	3,469	Health-Ins	3,816	4,197	4,617	5,079	5,587
54	440-4030-533.23-40	Long Term Disability	3,214	Health-Ins	3,535	3,889	4,278	4,706	5,176
55	440-4030-533.23-60	Broker & Admin. Fees	3,590	Health-Ins	3,949	4,344	4,778	5,256	5,782
56	440-4030-533.23-90	OPEB Expense	5,439	Marginal	5,494	5,549	5,604	5,660	5,717
57	440-4030-533.24-10	Worker's Compensation	15,828	Labor	16,303	16,792	17,296	17,815	18,349
58		Subtotal Personnel Expenses	\$739,332		\$770,192	\$802,859	\$837,468	\$874,177	\$913,153
		<b><u>Operating Expenses</u></b>							
59	440-4030-533.31-10	Professional Services	\$5,995	Contractual	\$6,235	\$6,484	\$6,744	\$7,013	\$7,294
60	440-4030-533.34-10	Other Contractual Service	94,305	Contractual	98,077	102,000	106,080	110,324	114,736
61	440-4030-533.40-10	Travel & Per Diem	600	Inflation	614	630	646	662	678
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	77	Inflation	79	81	83	85	87
65	440-4030-533.41-20	Internet	1,420	Inflation	1,454	1,492	1,529	1,567	1,605
66	440-4030-533.41-30	Legal Ads	0	Inflation	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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
67	440-4030-533.41-40	Postage	12,000	Inflation	12,288	12,607	12,923	13,246	13,564
68	440-4030-533.43-10	Electric	153,200	W-Elec	161,194	169,605	178,453	187,763	197,557
69	440-4030-533.44-10	Rent	1,310	Inflation	1,341	1,376	1,411	1,446	1,481
70	440-4030-533.46-10	Repair & Maintenance	106,737	Repair	58,731	60,493	62,308	64,177	66,102
71	440-4030-533.46-20	Fleet Charges	2,862	Repair	2,948	3,036	3,127	3,221	3,318
72	440-4030-533.47-10	Printing & Binding	200	Inflation	205	210	215	221	226
73	440-4030-533.47-20	Copier	1,591	Inflation	1,629	1,672	1,713	1,756	1,798
74	440-4030-533.48-10	Promotional Activities	5,175	Inflation	5,299	5,437	5,573	5,712	5,849
75	440-4030-533.49-01	Cost Allocation [2]	152,023	Labor	156,584	161,281	166,120	171,103	176,236
76	440-4030-533.49-10	Other Charges/Obligations	16,600	Inflation	16,998	17,440	17,876	18,323	18,763
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	650	Inflation	666	683	700	717	735
79	440-4030-533.52-10	Operating Supplies	26,798	Inflation	27,441	28,155	28,858	29,580	30,290
80	440-4030-533.52-20	Unleaded & Diesel	1,904	Fuel	1,999	2,099	2,204	2,314	2,430
81	440-4030-533.52-25	Bulk Fuel	7,000	Fuel	7,350	7,718	8,103	8,509	8,934
82	440-4030-533.52-30	Uniforms	1,575	Inflation	1,613	1,655	1,696	1,739	1,780
83	440-4030-533.52-50	Chemical	407,762	W-Chem	408,609	409,456	430,819	453,294	476,939
84	440-4030-533.54-10	Books, Pubs, Subs, & Mem	1,120	Inflation	1,147	1,177	1,206	1,236	1,266
85	440-4030-533.54-20	Educational Development	1,275	Inflation	1,306	1,340	1,373	1,407	1,441
86		Subtotal Operating Expenses	\$1,002,179		\$973,807	\$996,127	\$1,039,762	\$1,085,416	\$1,133,110
87		Total Water Department	\$1,741,511		\$1,743,999	\$1,798,986	\$1,877,230	\$1,959,593	\$2,046,263
	440-4040-535	<b><u>Wastewater Department</u></b>							
88	440-4040-535.12-10	Regular Salaries	\$646,884	Labor	\$666,291	\$686,279	\$706,868	\$728,074	\$749,916
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	59,193	Labor	60,969	62,798	64,682	66,622	68,621
92	440-4040-535.15-30	Cell Phone	1,750	Inflation	1,792	1,839	1,885	1,932	1,978
93	440-4040-535.15-40	Insurance Payback	4,829	Health-Ins	5,312	5,843	6,427	7,070	7,777
94	440-4040-535.15-60	Boot Allowance	1,500	Inflation	1,536	1,576	1,615	1,656	1,695
95	440-4040-535.21-10	FICA Taxes	35,817	Labor	36,892	37,998	39,138	40,312	41,522
96	440-4040-535.21-20	Medicare	8,376	Labor	8,627	8,886	9,153	9,427	9,710
97	440-4040-535.22-10	Retirement Contributions	28,071	Labor	28,913	29,781	30,674	31,594	32,542
98	440-4040-535.22-20	DCSE	64,301	Inflation	65,844	67,556	69,245	70,976	72,680
99	440-4040-535.23-10	Life Insurance	2,289	General-Ins	2,403	2,524	2,650	2,782	2,921
100	440-4040-535.23-20	Group Medical Insurance	129,200	Health-Ins	142,120	156,332	171,965	189,162	208,078
101	440-4040-535.23-21	HSA Employer Contribution	0	Labor	0	0	0	0	0
102	440-4040-535.23-22	HRA Employer Contribution	2,000	Labor	2,060	2,122	2,185	2,251	2,319
103	440-4040-535.23-30	Dental Insurance	5,273	Health-Ins	5,800	6,380	7,018	7,720	8,492
104	440-4040-535.23-40	Long Term Disability	4,340	Health-Ins	4,774	5,251	5,777	6,354	6,990
105	440-4040-535.23-60	Broker & Admin. Fees	3,500	Health-Ins	3,850	4,235	4,659	5,124	5,637
106	440-4040-535.23-90	OPEB	6,452	Marginal	6,517	6,582	6,648	6,714	6,781
107	440-4040-535.24-10	Worker's Compensation	18,454	Labor	19,008	19,578	20,165	20,770	21,393
108		Subtotal Personnel Expenses	\$1,022,229		\$1,062,707	\$1,105,559	\$1,150,753	\$1,198,541	\$1,249,052
		<b><u>Operating Expenses</u></b>							
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	228,480	Contractual	237,619	247,124	257,009	267,289	277,981
111	440-4040-535.40-10	Travel & Per Diem	3,950	Inflation	4,045	4,150	4,254	4,360	4,465
112	440-4040-535.41-10	Telephone	0	Inflation	0	0	0	0	0
113	440-4040-535.41-15	Cellular	3	Inflation	3	3	3	3	3
114	440-4040-535.41-20	Internet	2,019	Inflation	2,067	2,121	2,174	2,229	2,282
115	440-4040-535.41-30	Legal Ads	0	Inflation	0	0	0	0	0
116	440-4040-535.41-40	Postage	12,000	Inflation	12,288	12,607	12,923	13,246	13,564
117	440-4040-535.43-10	Electric	182,000	WW-Elec	191,638	201,785	212,468	223,715	235,555
118	440-4040-535.43-30	Water / Sewer / Trash	13,491	Inflation	13,815	14,174	14,528	14,892	15,249
119	440-4040-535.44-10	Rent	6,000	Inflation	6,144	6,304	6,461	6,623	6,782
120	440-4040-535.46-10	Repair & Maintenance	166,500	Repair	171,495	126,640	130,439	134,352	138,383
121	440-4040-535.46-20	Fleet Charges	6,724	Repair	6,926	7,133	7,347	7,568	7,795
122	440-4040-535.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
123	440-4040-535.47-20	Copier	1,241	Inflation	1,271	1,304	1,336	1,370	1,403
124	440-4040-535.48-10	Promotional Activities	1,550	Inflation	1,587	1,628	1,669	1,711	1,752
125	440-4040-535.49-01	Cost Allocation [2]	141,118	Labor	145,352	149,712	154,203	158,830	163,594
126	440-4040-535.49-10	Other Charges/Obligations	1,400	Inflation	1,434	1,471	1,508	1,545	1,582
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	1,024	1,051	1,077	1,104	1,130
129	440-4040-535.52-10	Operating Supplies	59,550	Inflation	60,979	62,565	64,129	65,732	67,310
130	440-4040-535.52-20	Unleaded & Diesel	2,476	Fuel	2,600	2,730	2,866	3,010	3,160
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	1,575	Inflation	1,613	1,655	1,696	1,739	1,780
133	440-4040-535.52-50	Chemical	144,200	WW-Chem	144,606	145,012	152,689	160,772	169,281
134	440-4040-535.54-10	Books, Pubs, Subs, & Mem	300	Inflation	307	315	323	331	339
135	440-4040-535.54-20	Educational Development	4,400	Inflation	4,506	4,623	4,738	4,857	4,973
136		Subtotal Operating Expenses	\$1,028,477		\$1,061,793	\$1,046,638	\$1,088,513	\$1,132,173	\$1,177,579

**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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
137		Total Wastewater Department	\$2,050,706		\$2,124,500	\$2,152,198	\$2,239,266	\$2,330,715	\$2,426,631
	440-4050-539	<b><u>Wastewater Collections</u></b>							
138	440-4050-539.12-10	Regular Salaries	\$165,606	Labor	\$170,574	\$175,691	\$180,962	\$186,391	\$191,983
139	AddPerCollections	Additional Personnel	0	Input	0	0	0	0	0
140	440-4050-539.14-10	Overtime	15,601	Labor	16,069	16,551	17,048	17,559	18,086
141	440-4050-539.15-30	Cell Phone	423	Inflation	433	444	456	467	478
142	440-4050-539.15-60	Boot Allowance	500	Inflation	512	525	538	552	565
143	440-4050-539.21-10	FICA Taxes	9,005	Labor	9,275	9,553	9,840	10,135	10,439
144	440-4050-539.21-20	Medicare	2,106	Labor	2,169	2,234	2,301	2,370	2,441
145	440-4050-539.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
146	440-4050-539.22-20	DCSE	18,762	Labor	19,325	19,905	20,502	21,117	21,750
147	440-4050-539.23-10	Life Insurance	601	General-Ins	631	663	696	731	767
148	440-4050-539.23-20	Group Medical Insurance	45,718	Health-Ins	50,290	55,319	60,851	66,936	73,629
149	440-4050-539.23-22	HRA Employer Contribution	1,250	Labor	1,288	1,326	1,365	1,407	1,449
150	440-4050-539.23-30	Dental Insurance	874	Health-Ins	961	1,058	1,163	1,280	1,408
151	440-4050-539.23-40	Long Term Disability	1,134	Health-Ins	1,247	1,372	1,509	1,660	1,826
152	440-4050-539.23-60	Broker & Admin. Fees	1,014	Health-Ins	1,115	1,227	1,350	1,485	1,633
153	440-4050-539.23-90	OPEB Expense	1,865	Marginal	1,883	1,902	1,921	1,940	1,960
154	440-4050-539.24-10	Worker's Compensation	4,473	Labor	4,607	4,745	4,888	5,034	5,185
155		Subtotal Personnel Expenses	\$268,932		\$280,381	\$292,516	\$305,390	\$319,064	\$333,600
		<b><u>Operating Expenses</u></b>							
156	440-4050-539.34-10	Other Contractual Service	\$213	Contractual	\$222	\$230	\$240	\$249	\$259
157	440-4050-539.40-10	Travel & Per Diem	1,400	Inflation	1,434	1,471	1,508	1,545	1,582
158	440-4050-539.41-10	Telephone	0	Inflation	0	0	0	0	0
159	440-4050-539.41-15	Cellular	444	Inflation	455	466	478	490	502
160	440-4050-539.41-20	Internet	1,301	Inflation	1,332	1,367	1,401	1,436	1,471
161	440-4050-539.43-10	Electric	65,000	WW-Elec	68,442	72,066	75,881	79,898	84,127
162	440-4050-539.43-30	Water / Sewer / Trash	453	Inflation	464	476	488	500	512
163	440-4050-539.44-10	Rent	500	Inflation	512	525	538	552	565
164	440-4050-539.46-10	Repair & Maintenance	80,000	Repair	82,400	84,872	87,418	90,041	92,742
165	440-4050-539.46-20	Fleet Charges	13,724	Repair	14,136	14,560	14,997	15,446	15,910
166	440-4050-539.47-10	Printing & Binding	0	Inflation	0	0	0	0	0
167	440-4050-539.47-20	Copier	1,984	Inflation	2,032	2,084	2,137	2,190	2,243
168	440-4050-539.49-01	Cost Allocation [2]	44,995	Labor	46,345	47,735	49,167	50,642	52,162
169	440-4050-539.49-10	Other Charges/Obligations	1,650	Inflation	1,690	1,734	1,777	1,821	1,865
170	440-4050-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
171	440-4050-539.51-10	Office Supplies	500	Inflation	512	525	538	552	565
172	440-4050-539.52-10	Operating Supplies	25,000	Inflation	25,600	26,266	26,922	27,595	28,258
173	440-4050-539.52-20	Unleaded & Diesel	13,809	Fuel	14,499	15,224	15,986	16,785	17,624
174	440-4050-539.52-30	Uniforms	880	Inflation	901	925	948	971	995
175	440-4050-539.52-50	Chemical	25,000	WW-Chem	25,070	25,141	26,472	27,873	29,348
176	440-4050-539.54-10	Books, Pubs, Subs, & Mem	0	Inflation	0	0	0	0	0
177	440-4050-539.54-20	Educational Development	650	Inflation	666	683	700	717	735
178		Subtotal Operating Expenses	\$277,503		\$286,710	\$296,351	\$307,595	\$319,305	\$331,463
179		Total Wastewater Collections	\$546,435		\$567,091	\$588,867	\$612,986	\$638,369	\$665,064
	440-4080-539	<b><u>Field Operations</u></b>							
180	440-4080-539.12-10	Regular Salaries	\$465,448	Labor	\$479,411	\$493,794	\$508,608	\$523,866	\$539,582
181	AddPerFieldOps	Additional Personnel	0	Input	0	0	0	0	0
182	440-4080-539.12-20	DC ICMA	20,038	Labor	20,639	21,258	21,896	22,553	23,230
183	440-4080-539.14-10	Overtime	32,287	Labor	33,256	34,253	35,281	36,339	37,429
184	440-4080-539.15-30	Cell Phone	1,328	Inflation	1,360	1,395	1,430	1,466	1,501
185	440-4080-539.15-60	Boot Allowance	1,500	Inflation	1,536	1,576	1,615	1,656	1,695
186	440-4080-539.21-10	FICA Taxes	26,884	Labor	27,691	28,521	29,377	30,258	31,166
187	440-4080-539.21-20	Medicare	6,287	Labor	6,476	6,670	6,870	7,076	7,288
188	440-4080-539.22-20	DCSE	35,816	Labor	36,890	37,997	39,137	40,311	41,521
189	440-4080-539.23-10	Life Insurance	1,647	General-Ins	1,729	1,816	1,907	2,002	2,102
190	440-4080-539.23-20	Group Medical Insurance	151,456	Health-Ins	166,602	183,262	201,588	221,747	243,921
191	440-4080-539.23-21	HSA Employer Contribution	1,300	Labor	1,339	1,379	1,421	1,463	1,507
192	440-4080-539.23-22	HRA Employer Contribution	2,000	Labor	2,060	2,122	2,185	2,251	2,319
193	440-4080-539.23-30	Dental Insurance	5,616	Health-Ins	6,178	6,795	7,475	8,222	9,045
194	440-4080-539.23-40	Long Term Disability	3,394	Health-Ins	3,733	4,107	4,517	4,969	5,466
195	440-4080-539.23-60	Broker & Admin. Fees	3,955	Health-Ins	4,351	4,786	5,264	5,791	6,370
196	440-4080-539.23-90	OPEB Expense	5,052	Marginal	5,103	5,154	5,205	5,257	5,310
197	440-4080-539.24-10	Worker's Compensation	18,225	Labor	18,772	19,335	19,915	20,512	21,128
198		Subtotal Personnel Costs	\$782,233		\$817,125	\$854,220	\$893,691	\$935,740	\$980,579
		<b><u>Operating Expenses</u></b>							
199	440-4080-539.34-10	Other Contractual Service	\$187	Contractual	\$194	\$202	\$210	\$219	\$228
200	440-4080-539.40-10	Travel & Per Diem	3,138	Inflation	3,213	3,297	3,379	3,464	3,547

**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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
201	440-4080-539.41-10	Telephone	0	Inflation	0	0	0	0	0
202	440-4080-539.41-15	Cellular	874	Inflation	895	918	941	965	988
203	440-4080-539.41-20	Internet	829	Inflation	849	871	893	915	937
204	440-4080-539.41-40	Postage	0	Inflation	0	0	0	0	0
205	440-4080-539.44-10	Rent	1,000	Inflation	1,024	1,051	1,077	1,104	1,130
206	440-4080-539.46-10	Repair & Maintenance	365,500	Calculated	602,690	492,394	493,958	495,568	497,227
207	440-4080-539.46-20	Fleet Charges	34,846	Repair	35,891	36,968	38,077	39,219	40,396
208	440-4080-539.49-01	Cost Allocation [2]	119,749	Labor	123,341	127,042	130,853	134,779	138,822
209	440-4080-539.49-10	Other Charges/Obligations	46,050	Inflation	47,155	48,381	49,591	50,831	52,050
210	440-4080-539.49-40	PILOFF Water & Sewer [3]	0	Eliminate	0	0	0	0	0
211	440-4080-539.51-10	Office Supplies	400	Inflation	410	420	431	442	452
212	440-4080-539.52-10	Operating Supplies	55,400	Inflation	56,730	58,205	59,660	61,151	62,619
213	440-4080-539.52-20	Unleaded & Diesel	28,093	Fuel	29,498	30,973	32,521	34,147	35,855
214	440-4080-539.52-30	Uniforms	1,750	Inflation	1,792	1,839	1,885	1,932	1,978
215	440-4080-539.54-10	Books, Pubs, Subs, & Mem	30	Inflation	31	32	32	33	34
216	440-4080-539.54-20	Educational Development	2,900	Inflation	2,970	3,047	3,123	3,201	3,278
217		Subtotal Operating Expenses	\$660,746		\$906,683	\$805,638	\$816,631	\$827,969	\$839,541
218		Total Field Operations	\$1,442,979		\$1,723,808	\$1,659,858	\$1,710,322	\$1,763,709	\$1,820,120
	440-5555-580, 581, 589	<b><u>Non-Departmental [4]</u></b>							
219	440-5555-580.22-10	Retirement Contributions	\$355,496	Labor	\$366,161	\$377,146	\$388,460	\$400,114	\$412,117
220	440-5555-580.23-80	PTO Expense	0	Eliminate	0	0	0	0	0
221	440-5555-580.31-10	Professional Services	30,359	Contractual	31,573	32,836	34,150	35,516	36,936
222	440-5555-580.32-10	Accounting & Auditing	0	Eliminate	0	0	0	0	0
223	440-5555-580.45-10	General Liability	16,062	General-Ins	16,865	17,708	18,594	19,523	20,500
224	440-5555-580.45-15	Property	72,670	General-Ins	76,304	80,119	84,125	88,331	92,747
225	440-5555-580.45-20	Public Officials	12,775	Labor	13,158	13,553	13,960	14,378	14,810
226	440-5555-580.45-25	Automobile	17,499	General-Ins	18,374	19,293	20,257	21,270	22,334
227	440-5555-580.45-35	Environmental Liability	3,537	Inflation	3,622	3,716	3,809	3,904	3,998
228	440-5555-580.49-10	Other Charges/Obligations	2,390	Inflation	2,447	2,511	2,574	2,638	2,701
229	440-5555-580.49-20	Bank Charges	0	Eliminate	0	0	0	0	0
230	440-5555-580.49-50	Write Off	0	Eliminate	0	0	0	0	0
231	440-5555-580.49-60	Hurricane Charges	0	Eliminate	0	0	0	0	0
232	440-5555-580.52-10	Operating Supplies	0	Eliminate	0	0	0	0	0
233	440-5555-580.62-10	Depreciation	0	Eliminate	0	0	0	0	0
234	440-5555-580.63-10	Buildings	0	Eliminate	0	0	0	0	0
235	440-5555-580.64-10	Improvements O/T Building	0	Eliminate	0	0	0	0	0
236	440-5555-580.64-10	Machinery & Equipment	0	Eliminate	0	0	0	0	0
237	440-5555-580.64-20	Motor Vehicles	0	Eliminate	0	0	0	0	0
238	440-5555-580.71-15	JCI Meters	0	Eliminate	0	0	0	0	0
239	440-5555-580.71-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
240	440-5555-580.71-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
241	440-5555-580.71-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
242	440-5555-580.71-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
243	440-5555-580.71-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
244	440-5555-580.72-13	BOA Obligation #265	0	Eliminate	0	0	0	0	0
245	440-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
246	440-5555-580.72-15	JCI Meters	0	Eliminate	0	0	0	0	0
247	440-5555-580.72-20	State Revolving Fund	0	Eliminate	0	0	0	0	0
248	440-5555-580.72-24	Refunding Bond Series 09	0	Eliminate	0	0	0	0	0
249	440-5555-580.72-26	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
250	440-5555-580.72-28	BBT Cap Imp Rev Note 2014	0	Eliminate	0	0	0	0	0
251	440-5555-580.72-29	St Rev Fund-WWTP R&R 2013	0	Eliminate	0	0	0	0	0
252	440-5555-580.72-38	BBT W&S Ref Rev Bnd 2016	0	Eliminate	0	0	0	0	0
253	440-5555-580.72-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
254	440-5555-580.72-42	SRF 640530 Recl X Design	0	Eliminate	0	0	0	0	0
255	440-5555-580.73-11	2013 SunTrust JCI	0	Eliminate	0	0	0	0	0
256	440-5555-580.73-21	Bond Issuance Cost - SRF	0	Eliminate	0	0	0	0	0
257	440-5555-580.73-41	BBT SRF Refinance 2012	0	Eliminate	0	0	0	0	0
258	440-5555-580.73-42	Cap Imp Rev Note Srs 2014	0	Eliminate	0	0	0	0	0
259	440-5555-581.03-31	Capital Fund	0	Eliminate	0	0	0	0	0
260	440-5555-581.04-44	Renewal And Replacement	0	Eliminate	0	0	0	0	0
261	440-5555-581.04-45	Wtr/Swr Rate Stabilization	0	Eliminate	0	0	0	0	0
262	440-5555-581.04-50	Public Works Complex - Debt Service	0	Eliminate	0	0	0	0	0
263	440-5555-581.05-01	MIS	0	Eliminate	0	0	0	0	0
264	440-5555-589.50-50	Stabilization - Estimated Savings	0	Eliminate	0	0	0	0	0
265	440-5555-581.10-01	General Fund	0	Eliminate	0	0	0	0	0
266	440-5555-589.10-01	Current Year Unreserved	0	Eliminate	0	0	0	0	0
267		Total Non-Departmental	\$510,788		\$528,504	\$546,882	\$565,928	\$585,675	\$606,143

**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] 2019	Escalation Factor	Projected 2020	Fiscal Year Ending September 30th,			
						2021	2022	2023	2024
<b><u>Other Adjustments</u></b>									
268	Contingency	Contingency - 1.00% of O&M [5]	\$72,495	Input	\$76,783	\$77,720	\$80,673	\$83,777	\$87,036
269	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [6]	26,586	Input	28,909	31,509	32,611	33,646	34,715
270	Other	Other Adjustments - Retirement Benefits	0	Op Expense	0	0	0	0	0
271		Total Other Adjustments	<u>\$99,080</u>		<u>\$105,692</u>	<u>\$109,228</u>	<u>\$113,284</u>	<u>\$117,423</u>	<u>\$121,751</u>
272		<b>Grand Total Operating Budget</b>	<u><b>\$7,348,546</b></u>		<u><b>\$7,783,950</b></u>	<u><b>\$7,881,221</b></u>	<u><b>\$8,180,595</b></u>	<u><b>\$8,495,101</b></u>	<u><b>\$8,825,358</b></u>

Footnotes:

- [1] Fiscal Year 2018 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 1.00% 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,				
			2020	2021	2022	2023	2024
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	1.0240	1.0260	1.0250	1.0250	1.0240
5	Labor	Labor	1.0300	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	1.0000	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	1.0028	1.0028	1.0028	1.0028	1.0028
15	Wastewater Customer Accounts	WW-Accounts	1.0030	1.0030	1.0029	1.0029	1.0029
16	Treated Water Flows	W-Flows	1.0021	1.0021	1.0021	1.0021	1.0021
17	Treated Wastewater Flows	WW-Flows	1.0028	1.0028	1.0028	1.0028	1.0028
18	Water Flows + Chemicals	W-Chem	1.0021	1.0021	1.0522	1.0522	1.0522
19	Water Flows + Electricity	W-Elec	1.0522	1.0522	1.0522	1.0522	1.0522
20	Wastewater Flows + Chemicals	WW-Chem	1.0028	1.0028	1.0529	1.0529	1.0529
21	Wastewater Flows + Electricity	WW-Elec	1.0530	1.0529	1.0529	1.0529	1.0529
22	Change in Water Customers	W-Growth	1.0000	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	1.0027	1.0027	1.0027	1.0027	1.0027
26	Wastewater Rate Revenues	WW-Rev	1.0027	1.0027	1.0027	1.0027	1.0027
27	Water Operational Expenses	W-Op	1.0682	1.0121	1.0381	1.0386	1.0391
28	Wastewater Operational Expenses	WW-Op	1.0521	1.0128	1.0379	1.0383	1.0387

**Footnotes:**

- [1] Inflation figures based on discussions with City staff and obtained from the "The Budget and Economic Outlook 2019 - 2029" published by the Congressional Budget Office in January 2019.

**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	
				2019	2020	2021	2022	2023		2024
<b><u>CIP Escalation Factor Alternatives</u></b>										
<b><u>General Project Escalators</u></b>										
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	
<b><u>Water System:</u></b>										
6	Acquire SE Volusia Utility: Water	ENR	Unfunded	\$0	\$0	\$1,591,350	\$0	\$0	\$0	\$1,591,350
7	Acquire UCNSB Tatum Blvd Area Water Utility	ENR	Unfunded	0	133,900	0	0	0	0	133,900
8	Acquire UCNSB Tatum Blvd Area Water Utility 12" Pipe	ENR	Junior2	0	515,000	0	0	0	0	515,000
9	Airpark Rd Water Main Connection	ENR	W-R&R	0	0	0	0	0	0	0
10	ARTWTP Disinfectant System Replacement	ENR	W-R&R	96,250	0	0	0	0	0	96,250
11	ARTWTP Wells 21-24	ENR	W-Impact	0	0	0	0	0	0	0
12	East Pine Bluff Water Improvements	ENR	W-Op	0	0	205,732	0	0	0	205,732
13	Evergreen Avenue Water Improvements	ENR	W-Op	0	0	0	0	0	215,084	215,084
14	Flexnet Smart Water Meter Network	ENR	W-Op	0	0	0	0	0	0	0
15	Flexnet Smart Water Meter Network (Split Funding)	ENR	Junior2	0	0	0	0	0	0	0
16	New York Street Water Improvements	ENR	W-Op	0	0	0	27,318	0	0	27,318
17	Maplewood & North Pinedale Road Water Improvements	ENR	Assessments	0	0	90,177	0	0	0	90,177
18	Perdita, Palmetto, Live Oak Water Improvements	ENR	W-R&R	200,000	0	0	0	0	0	200,000
19	Plaza & Hubbell Water Improvment	ENR	W-Op	0	103,000	0	0	0	0	103,000
20	Safe Room @ ARWTP & Hardening of Ops Bldg	ENR	Grant	0	0	265,225	0	0	0	265,225
21	THM Precursor Removal Process at ARTWTP	ENR	Junior2	0	0	0	0	0	0	0
22	Two Inch Water Line Replacements	ENR	W-R&R	100,000	103,000	212,180	218,545	225,102	231,855	1,090,682
23	Unspecified Water	ENR	W-R&R	100,000	257,500	318,270	327,818	337,653	347,782	1,689,023
24	W Park Ave Water Main: Old Mission to PABS	ENR	W-R&R	501,410	0	0	0	0	0	501,410
25	Wildwood & Highland Water Main Replacement	ENR	W-R&R	0	0	220,667	0	0	0	220,667
26	Public Works Building (Allocation)	None	W-Op	0	0	350,000	0	0	0	350,000
27	Public Works Building (Allocation)	None	Senior1	0	0	0	0	1,925,000	0	1,925,000
28	Other Miscellaneous Adjustments	ENR	W-R&R	\$0	\$0	\$0	\$0	\$0	\$0	\$0
29	Budgetary Capital Outlay	None	W-Rates	\$104,170	\$104,170	\$104,170	\$104,170	\$104,170	\$104,170	\$625,023
30	Subtotal Water System			\$1,101,830	\$1,216,570	\$3,357,771	\$677,852	\$2,591,925	\$898,892	\$9,844,841



**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
				2019	2020	2021	2022	2023	2024	
<b><u>Wastewater System:</u></b>										
31	Safe Room @ WWTP & Hardening of Ops Bldg	ENR	Grant	\$0	\$201,131	\$0	\$0	\$0	\$0	\$201,131
32	Safe Room @ WWTP & Hardening of Ops Bldg (Split Funding)	ENR	S-R&R	0	75,089	0	0	0	0	75,089
33	Unspecified Sewer	ENR	S-R&R	150,000	257,500	318,270	327,818	337,653	347,782	1,739,023
34	WAS Aerator for WWTP	ENR	S-Op	30,000	0	0	0	0	0	30,000
35	WW-Septic Conversion: 15th & 16th Street Duplexes	ENR	Assessments	0	0	318,270	0	0	0	318,270
36	WW-Septic Conversion: Beulah Dr	ENR	Assessments	0	0	0	0	337,653	0	337,653
37	WW-Septic Conversion: E. of US-1: Cory Est. to Arbor Ln	ENR	Assessments	0	0	530,450	0	0	0	530,450
38	WW-Septic Conversion: E. of US-1: Omni & Godfrey to Poinciana	ENR	Assessments	0	0	0	2,185,454	0	0	2,185,454
39	WW-Septic Conversion: Massey Rd. to 10th Street	ENR	Assessments	0	0	0	0	1,463,161	0	1,463,161
40	WW-Septic Conversion: Maplewood & North Pinedale Road	ENR	Assessments	0	0	185,658	0	0	0	185,658
41	WWTP 2.5 MGD Expansion	ENR	S-Impact	0	0	0	0	0	0	0
42	WWTP Sludge Dewatering	ENR	Junior1	0	0	0	0	0	0	0
43	Acquire SE Volusia Utility: Wastewater	ENR	Unfunded	0	0	3,182,700	0	0	0	3,182,700
44	Evaluation of Clay Sewer Lines	ENR	S-R&R	175,000	0	0	0	0	0	175,000
45	Lift Station Refurbishments	ENR	S-R&R	0	0	0	300,500	309,515	318,800	928,815
46	LS # 3 Refurbishment & Antenna Relocation	ENR	S-R&R	0	309,000	0	0	0	0	309,000
47	LS # 6 Refurbishment	ENR	S-R&R	263,561	0	0	0	0	0	263,561
48	LS #4 Refurbishment	ENR	S-R&R	0	0	265,225	0	0	0	265,225
49	Manhole Lining	ENR	S-R&R	100,000	103,000	106,090	109,273	112,551	115,927	646,841
50	Riverside Dr Sewer Lateral Slip-Lining	ENR	S-R&R	100,000	103,000	212,180	273,182	281,377	289,819	1,259,557
51	Sewer Sliplining	ENR	S-R&R	100,000	103,000	106,090	109,273	112,551	115,927	646,841
52	Submersible Pump Replacements (LS)	ENR	S-Rates	50,000	103,000	106,090	109,273	112,551	115,927	596,841
53	Telemetry at Lift Stations	ENR	S-Rates	0	51,500	53,045	81,955	84,413	86,946	357,858
54	WW Lift Station Rehab: FL Shores	ENR	Junior3	0	0	530,450	550,734	567,256	0	1,648,441
55	WW Lift Station Rehab: FL Shores (Split Funding)	ENR	S-R&R	0	0	0	104,902	108,049	695,564	908,515
56	Reclaimed Water Improvements/Extension	ENR	Junior1	2,158,104	1,106,220	0	0	0	0	3,264,324
57	Reclaimed Water Improvements/Extension (Split Funding)	ENR	Grant	1,417,680	0	0	0	0	0	1,417,680
58	Rhode Island St & Hardin Pl Reclaimed Water Ext	ENR	S-Op	0	0	0	0	0	88,105	88,105
59	SE Reclaimed	ENR	Junior3	0	0	0	0	562,754	0	562,754
60	Public Works Building (Allocation)	None	S-Op	0	0	350,000	0	0	0	350,000
61	Public Works Building (Allocation) (Split Funding)	None	Senior1	0	0	0	0	1,925,000	0	1,925,000
62	Other Miscellaneous Adjustments	ENR	S-R&R	\$0	\$0	\$0	\$0	\$0	\$0	\$0
63	Budgetary Capital Outlay	None	S-Rates	\$143,855	\$143,855	\$143,855	\$143,855	\$143,855	\$143,855	\$863,127
64	Subtotal Wastewater System			\$4,688,199	\$2,556,295	\$6,408,372	\$4,296,217	\$6,458,339	\$2,318,653	\$26,726,075
65	<b>Total Combined System CIP</b>			<b>\$5,790,030</b>	<b>\$3,772,865</b>	<b>\$9,766,143</b>	<b>\$4,974,069</b>	<b>\$9,050,264</b>	<b>\$3,217,545</b>	<b>\$36,570,916</b>

**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	
				2019	2020	2021	2022	2023		2024
<b><u>Project Funding Sources Summary</u></b>										
<b>Water Funding Sources:</b>										
66	Water Rates		W-Rates	\$104,170	\$104,170	\$104,170	\$104,170	\$104,170	\$104,170	\$625,023
67	Operating Fund		W-Op	0	103,000	555,732	27,318	0	215,084	901,134
68	Renewal and Replacement Fund		W-R&R	997,660	360,500	751,117	546,364	562,754	579,637	3,798,032
69	Water Development Fees		W-Impact	0	0	0	0	0	0	0
70	Grants		Grant	0	0	265,225	0	0	0	265,225
71	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
72	Additional Senior Lien Debt 1		Senior1	0	0	0	0	1,925,000	0	1,925,000
73	Additional Senior Lien Debt 2		Senior2	0	0	0	0	0	0	0
74	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
75	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
76	Additional Subordinate Lien Debt 1		Junior1	0	0	0	0	0	0	0
77	Additional Subordinate Lien Debt 2		Junior2	0	515,000	0	0	0	0	515,000
78	Additional Subordinate Lien Debt 3		Junior3	0	0	0	0	0	0	0
79	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
80	Assessments		Assessments	0	0	90,177	0	0	0	90,177
81	Unfunded / Other Funding Sources		Unfunded	0	133,900	1,591,350	0	0	0	1,725,250
82	Subtotal Water Funding Sources			\$1,101,830	\$1,216,570	\$3,357,771	\$677,852	\$2,591,925	\$898,892	\$9,844,841
<b>Wastewater Funding Sources:</b>										
83	Wastewater Rates		S-Rates	\$193,855	\$298,355	\$302,990	\$335,082	\$340,819	\$346,727	\$1,817,826
84	Operating Fund		S-Op	30,000	0	350,000	0	0	88,105	468,105
85	Renewal and Replacement Fund		S-R&R	888,561	950,589	1,007,855	1,224,947	1,261,695	1,883,820	7,217,468
86	Wastewater Development Fees		S-Impact	0	0	0	0	0	0	0
87	Grants		Grant	1,417,680	201,131	0	0	0	0	1,618,811
88	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
89	Additional Senior Lien Debt 1		Senior1	0	0	0	0	1,925,000	0	1,925,000
90	Additional Senior Lien Debt 2		Senior2	0	0	0	0	0	0	0
91	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
92	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
93	Additional Subordinate Lien Debt 1		Junior1	2,158,104	1,106,220	0	0	0	0	3,264,324
94	Additional Subordinate Lien Debt 2		Junior2	0	0	0	0	0	0	0
95	Additional Subordinate Lien Debt 3		Junior3	0	0	530,450	550,734	1,130,011	0	2,211,195
96	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
97	Assessments		Assessments	0	0	1,034,378	2,185,454	1,800,814	0	5,020,646
98	Unfunded / Other Funding Sources		Unfunded	0	0	3,182,700	0	0	0	3,182,700
99	Subtotal Wastewater Funding Sources			\$4,688,199	\$2,556,295	\$6,408,372	\$4,296,217	\$6,458,339	\$2,318,653	\$26,726,075

**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	
				2019	2020	2021	2022	2023		2024
<b>Total Funding Sources:</b>										
100	Water & Wastewater Rates		Rates	\$298,025	\$402,525	\$407,160	\$439,252	\$444,989	\$450,898	\$2,442,849
101	Operating Fund		Op	30,000	103,000	905,732	27,318	0	303,189	1,369,239
102	Renewal and Replacement Fund		R&R	1,886,221	1,311,089	1,758,972	1,771,310	1,824,450	2,463,457	11,015,500
103	Water and Wastewater Development Fees		Impact Fees	0	0	0	0	0	0	0
104	Grants		Grant	1,417,680	201,131	265,225	0	0	0	1,884,036
105	Existing Bond Proceeds		ExistingBond	0	0	0	0	0	0	0
106	Additional Senior Lien Debt 1		Senior1	0	0	0	0	3,850,000	0	3,850,000
107	Additional Senior Lien Debt 2		Senior2	0	0	0	0	0	0	0
108	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
109	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
110	Additional Subordinate Lien Debt 1		Junior1	2,158,104	1,106,220	0	0	0	0	3,264,324
111	Additional Subordinate Lien Debt 2		Junior2	0	515,000	0	0	0	0	515,000
112	Additional Subordinate Lien Debt 3		Junior3	0	0	530,450	550,734	1,130,011	0	2,211,195
113	Additional Subordinate Lien Debt 4		Junior4	0	0	0	0	0	0	0
114	Assessments		Assessments	0	0	1,124,554	2,185,454	1,800,814	0	5,110,822
115	Unfunded / Other Funding Sources		Unfunded	0	133,900	4,774,050	0	0	0	4,907,950
116	<b>Total Funding Sources</b>			<u>\$5,790,030</u>	<u>\$3,772,865</u>	<u>\$9,766,143</u>	<u>\$4,974,069</u>	<u>\$9,050,264</u>	<u>\$3,217,545</u>	<u>\$36,570,916</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,					
		2019	2020	2021	2022	2023	2024
<b>Water System:</b>							
<b><u>Existing Debt Service:</u></b>							
1	Utility System Refunding Revenue Note, Series 2016	\$451,388	\$451,132	\$451,524	\$451,283	\$451,259	\$451,442
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	692,864	501,438	77,183	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	2,588	0	0
7	<b>Total Existing Debt Service Payments</b>	<b>\$1,146,839</b>	<b>\$955,159</b>	<b>\$531,295</b>	<b>\$453,871</b>	<b>\$451,259</b>	<b>\$451,442</b>
<b><u>Proposed Debt Service:</u></b>							
<b><u>Proposed Senior Lien Debt:</u></b>							
8	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$165,267	\$165,267
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	<b>Total Proposed Senior Lien Debt Service Payments</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$165,267</b>	<b>\$165,267</b>
<b><u>Proposed Subordinate Lien Debt:</u></b>							
13	Additional Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
14	Additional Subordinate Lien Debt 2	0	0	36,797	36,797	36,797	36,797
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	<b>Total Proposed Subordinate Lien Debt Service Payments</b>	<b>\$0</b>	<b>\$0</b>	<b>\$36,797</b>	<b>\$36,797</b>	<b>\$36,797</b>	<b>\$36,797</b>
18	<b>Total Proposed Debt Service Payments</b>	<b>\$0</b>	<b>\$0</b>	<b>\$36,797</b>	<b>\$36,797</b>	<b>\$202,063</b>	<b>\$202,063</b>
19	<b>Total Existing and Proposed Debt Service Payments</b>	<b>\$1,146,839</b>	<b>\$955,159</b>	<b>\$568,092</b>	<b>\$490,667</b>	<b>\$653,322</b>	<b>\$653,506</b>
<b>Wastewater System</b>							
<b><u>Existing Debt Service:</u></b>							
20	Utility System Refunding Revenue Note, Series 2016	\$623,345	\$622,993	\$623,533	\$623,200	\$623,167	\$623,421
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	36,440	36,866	36,973	36,689	36,597	30,362
25	Vehicle Lease 2016 Amer Cap Svc.	2,588	2,588	2,588	2,588	0	0
26	<b>Total Existing Debt Service Payments</b>	<b>\$1,064,699</b>	<b>\$1,064,772</b>	<b>\$1,065,420</b>	<b>\$1,064,802</b>	<b>\$1,062,089</b>	<b>\$1,056,107</b>
<b><u>Proposed Debt Service:</u></b>							
<b><u>Proposed Senior Lien Debt:</u></b>							
27	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$165,267	\$165,267
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	<b>Total Proposed Senior Lien Debt Service Payments</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$0</b>	<b>\$165,267</b>	<b>\$165,267</b>
<b><u>Proposed Subordinate Lien Debt:</u></b>							
32	Additional Subordinate Lien Debt 1	\$0	\$0	\$231,894	\$231,894	\$231,894	\$231,894
33	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
34	Additional Subordinate Lien Debt 3	0	0	0	0	0	166,052
35	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
36	<b>Total Proposed Subordinate Lien Debt Service Payments</b>	<b>\$0</b>	<b>\$0</b>	<b>\$231,894</b>	<b>\$231,894</b>	<b>\$231,894</b>	<b>\$397,946</b>
37	<b>Total Proposed Debt Service Payments</b>	<b>\$0</b>	<b>\$0</b>	<b>\$231,894</b>	<b>\$231,894</b>	<b>\$397,161</b>	<b>\$563,213</b>
38	<b>Total Existing and Proposed Debt Service Payments</b>	<b>\$1,064,699</b>	<b>\$1,064,772</b>	<b>\$1,297,314</b>	<b>\$1,296,696</b>	<b>\$1,459,250</b>	<b>\$1,619,320</b>

**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,					
		2019	2020	2021	2022	2023	2024
<b>Combined System</b>							
<b><u>Existing Debt Service:</u></b>							
39	Utility System Refunding Revenue Note, Series 2016	1,074,733	1,074,125	1,075,057	1,074,483	1,074,426	1,074,863
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	692,864	501,438	77,183	0	0	0
43	Capital Improvement Revenue Note, Series 2014	36,440	36,866	36,973	36,689	36,597	30,362
44	Vehicle Lease 2016 Amer Cap Svc.	5,176	5,176	5,176	5,176	0	0
45	Total Existing Debt Service Payments	<u>\$2,211,538</u>	<u>\$2,019,931</u>	<u>\$1,596,715</u>	<u>\$1,518,673</u>	<u>\$1,513,348</u>	<u>\$1,507,550</u>
<b><u>Proposed Debt Service:</u></b>							
<b><u>Proposed Senior Lien Debt:</u></b>							
46	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$330,533	\$330,533
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	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$330,533</u>	<u>\$330,533</u>
<b><u>Proposed Subordinate Lien Debt:</u></b>							
51	Additional Subordinate Lien Debt 1	\$0	\$0	\$231,894	\$231,894	\$231,894	\$231,894
52	Additional Subordinate Lien Debt 2	0	0	36,797	36,797	36,797	36,797
53	Additional Subordinate Lien Debt 3	0	0	0	0	0	166,052
54	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
55	Total Proposed Subordinate Lien Debt Service Payments	<u>\$0</u>	<u>\$0</u>	<u>\$268,691</u>	<u>\$268,691</u>	<u>\$268,691</u>	<u>\$434,743</u>
56	Total Proposed Debt Service Payments	<u>\$0</u>	<u>\$0</u>	<u>\$268,691</u>	<u>\$268,691</u>	<u>\$599,224</u>	<u>\$765,276</u>
57	<b>Total Existing and Proposed Debt Service Payments</b>	<u><u>\$2,211,538</u></u>	<u><u>\$2,019,931</u></u>	<u><u>\$1,865,406</u></u>	<u><u>\$1,787,364</u></u>	<u><u>\$2,112,572</u></u>	<u><u>\$2,272,826</u></u>

**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,				
		2019	2020	2021	2022	2023	2024
<b>Renewal and Replacement Fund Transfer</b>							
1	Prior Fiscal Year	2018	2019	2020	2021	2022	2023
2	Prior Fiscal Year Rate Revenues	\$10,319,762	\$11,243,327	\$12,168,486	\$13,209,052	\$13,651,023	\$14,066,044
3	Renewal and Replacement Minimum Fund Balance [1]	\$1,944,138	\$1,982,991	\$2,312,320	\$2,391,514	\$2,664,626	\$2,637,902
4	Renewal and Replacement Fund Balance Ending Balance	\$178,543	\$553,953	\$620,254	\$830,301	\$1,053,505	\$699,954
5	Minimum Required Transfer	\$515,988	\$562,166	\$608,424	\$660,453	\$682,551	\$703,302
6	Renewal and Replacement Transfer Factor (% of Revenue)	5.8%	15.0%	15.0%	15.0%	15.0%	15.0%
7	Renewal and Replacement Fund Transfer Amount	\$600,000	\$1,686,499	\$1,825,273	\$1,981,358	\$2,047,653	\$2,109,907
8	Additional Deposit to Meet Minimum Required Transfer	0	0	0	0	0	0
9	Renewal and Replacement Fund Transfer Amount	\$600,000	\$1,686,499	\$1,825,273	\$1,981,358	\$2,047,653	\$2,109,907
10	Water Percentage	44.34%	44.34%	44.34%	44.34%	44.34%	44.34%
11	Wastewater Percentage	55.66%	55.66%	55.66%	55.66%	55.66%	55.66%
12	Water Allocation of Transfer - Subtotal	\$266,037	\$747,786	\$809,318	\$878,525	\$907,921	\$935,523
13	Wastewater Allocation of Transfer - Subtotal	333,963	938,713	1,015,955	1,102,832	1,139,733	1,174,383
14	Annual Renewal and Replacement Transfer - Subtotal	\$600,000	\$1,686,499	\$1,825,273	\$1,981,358	\$2,047,653	\$2,109,907
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	\$266,037	\$747,786	\$809,318	\$878,525	\$907,921	\$935,523
19	Wastewater Allocation of Transfer	333,963	938,713	1,015,955	1,102,832	1,139,733	1,174,383
20	Annual Renewal and Replacement Transfer	\$600,000	\$1,686,499	\$1,825,273	\$1,981,358	\$2,047,653	\$2,109,907

**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,					
		2019	2020	2021	2022	2023	2024
<b><u>Charter Reserve Transfer</u></b>							
1	Adjustment to Charter Reserve Deposit Transfer	\$336,528	\$336,528	\$336,528	\$336,528	\$0	\$0
2	Allocation to Water System	43.82%	43.82%	43.93%	44.13%	44.16%	44.19%
3	Allocation to Wastewater System	56.18%	56.18%	56.07%	55.87%	55.84%	55.81%
4	Allocation to Water System	\$147,470	\$147,470	\$147,828	\$148,520	\$0	\$0
5	Allocation to Wastewater System	\$189,058	\$189,058	\$188,699	\$188,007	\$0	\$0
6	Total Charter Reserve Fund Deposit	<u>\$336,528</u>	<u>\$336,528</u>	<u>\$336,528</u>	<u>\$336,528</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,				
		2019	2020	2021	2022	2023	2024
<b>Payment In Lieu of Franchise Fees</b>							
1	Prior Year	2018	2019	2020	2021	2022	2023
2	Prior Year Revenues	\$10,319,762	\$11,243,327	\$12,168,486	\$13,209,052	\$13,651,023	\$14,066,044
3	Payment In Lieu of Franchise Fees Factor (% of Revenue)	6.2%	5.9%	5.9%	5.9%	5.9%	5.9%
4	Payment In Lieu of Franchise Fees Amount	\$639,183	\$663,356	\$717,941	\$779,334	\$805,410	\$829,897
5	Water Percentage	44.3%	44.3%	44.3%	44.3%	44.3%	44.3%
6	Wastewater Percentage	55.7%	55.7%	55.7%	55.7%	55.7%	55.7%
7	Water Allocation of Transfer	\$283,411	\$294,129	\$318,332	\$345,553	\$357,115	\$367,972
8	Wastewater Allocation of Transfer	355,772	369,227	399,609	433,781	448,295	461,924
9	Annual Payment In Lieu of Franchise Fees	<u>\$639,183</u>	<u>\$663,356</u>	<u>\$717,941</u>	<u>\$779,334</u>	<u>\$805,410</u>	<u>\$829,897</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	2019	2020	2021	2022	2023	2024
<b><u>Year End Cash Balances Roll-Up:</u></b>									
1	Water and Wastewater Operating Fund (440)	(U)	(U)	\$2,550,169	\$2,264,948	\$1,858,891	\$2,104,328	\$2,391,542	\$2,220,853
2	Charter Reserve Fund	(U)	(U)	722,780	1,059,307	1,395,835	1,732,362	1,732,362	1,732,362
3	Customer Deposits (Sub 440A)	(R)	(R)	813,442	814,255	815,069	815,885	816,700	817,517
4	Water Development Fee Fund (442)	(R)	(R)	249,697	253,321	256,949	260,580	264,216	267,854
5	Wastewater Development Fee Fund (443)	(R)	(R)	413,635	405,845	398,048	390,242	382,429	374,608
6	Renewal and Replacement Fund (444)	(U)	(U)	178,543	553,953	620,254	830,301	1,053,505	699,954
7	Rate Stabilization Fund (445)	(U)	(U)	494,121	494,121	494,121	494,121	494,121	494,121
8	Debt Service Reserve Fund	(R)	(U)	1,445,473	1,445,473	1,445,473	1,445,473	1,445,473	1,445,473
9	Proposed Bonds Construction Fund	(R)	(R)	0	0	0	0	0	0
10	Total Ending Cash Balances			\$6,867,860	\$7,291,225	\$7,284,640	\$8,073,294	\$8,580,349	\$8,052,744
11	Unrestricted Reserves (Operating & Charter Reserve)			\$3,272,949	\$3,324,256	\$3,254,725	\$3,836,690	\$4,123,905	\$3,953,216
12	Days of Revenues			112	105	94	107	112	104
<b><u>Water and Wastewater Operating Fund (440)</u></b>									
13	Beginning Balance			\$2,607,462	\$2,550,169	\$2,264,948	\$1,858,891	\$2,104,328	\$2,391,542
14	Transfers In - Revenue Requirements			10,634,264	11,563,755	12,603,403	13,044,455	13,458,557	13,886,052
15	Transfers In - Rate Stabilization Fund (As Cash Transfer Not Revenue)			1,444,004	0	0	0	0	0
16	Transfers In - R&R Fund			0	0	0	0	0	0
17	Transfers In - Charter Reserve Fund			0	0	0	0	0	0
18	Transfers In - Operating Transfer			0	0	0	0	0	0
19	Transfers In - Other / GF FEMA Loan Repayment			6,000	406,843	195,241	0	0	0
20	Transfers In - Debt Service Reserve			0	0	0	0	0	0
21	Transfers Out - Revenue Requirements			10,667,558	12,152,818	12,298,969	12,771,699	13,171,343	13,753,552
22	Transfers Out - Capital Improvements			30,000	103,000	905,732	27,318	0	303,189
23	Transfers Out - R&R Fund			1,444,004	0	0	0	0	0
24	Transfers Out - Operating Transfer			0	0	0	0	0	0
25	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
26	Interest Income		(U)	\$2,579	\$2,408	\$2,062	\$1,982	\$2,248	\$2,306
27	Recognition of Interest Income in Revenue Requirements			\$2,579	\$2,408	\$2,062	\$1,982	\$2,248	\$2,306
28	Ending Balance	(U)		\$2,550,169	\$2,264,948	\$1,858,891	\$2,104,328	\$2,391,542	\$2,220,853
29	Target Days of Available Cash: 45 Days of Revenue			1,311,074	1,425,668	1,553,844	1,608,220	1,659,274	1,711,979
30	Calculated Days of Available Cash (Revenue)			88	71	54	59	65	58
31	Percent Allocable to Water System			43.82%	43.82%	43.93%	44.13%	44.16%	44.19%
32	Percent Allocable to Wastewater System			56.18%	56.18%	56.07%	55.87%	55.84%	55.81%
33	Amount Allocable to Water System			\$1,130	\$1,055	\$906	\$875	\$993	\$1,019
34	Amount Allocable to Wastewater System			1,449	1,353	1,156	1,107	1,255	1,287
<b><u>Customer Deposits (Sub 440A)</u></b>									
35	Beginning Balance			\$812,629	\$813,442	\$814,255	\$815,069	\$815,885	\$816,700
36	Transfers In			0	0	0	0	0	0
37	Transfers Out			0	0	0	0	0	0
38	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
39	Interest Income		(R)	\$813	\$813	\$814	\$815	\$816	\$817
40	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
41	Ending Balance	(R)		\$813,442	\$814,255	\$815,069	\$815,885	\$816,700	\$817,517
42	Percent Allocable to Water System			51.59%	51.59%	51.59%	51.59%	51.59%	51.59%
43	Percent Allocable to Wastewater System			48.41%	48.41%	48.41%	48.41%	48.41%	48.41%
44	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
45	Amount Allocable to Wastewater System			0	0	0	0	0	0
<b><u>Water Development Fee Fund (442)</u></b>									
46	Beginning Balance			\$246,076	\$249,697	\$253,321	\$256,949	\$260,580	\$264,216
47	Transfers In			48,373	48,373	48,373	48,373	48,373	48,373
48	Transfers Out - CIP			0	0	0	0	0	0
49	Transfers Out - R&R Fund			0	0	0	0	0	0
50	Transfers Out - Debt Payment			45,000	45,000	45,000	45,000	45,000	45,000
51	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
52	Interest Income		(R)	\$248	\$251	\$255	\$259	\$262	\$266
53	Recognition of Interest Income in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
54	Ending Balance	(R)		\$249,697	\$253,321	\$256,949	\$260,580	\$264,216	\$267,854

**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	2019	2020	2021	2022	2023	2024
55	Percent Allocable to Water System			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
56	Percent Allocable to Wastewater System			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
57	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
58	Amount Allocable to Wastewater System			0	0	0	0	0	0
<b>Wastewater Development Fee Fund (443)</b>									
59	Beginning Balance			\$421,417	\$413,635	\$405,845	\$398,048	\$390,242	\$382,429
60	Transfers In			66,801	66,801	66,801	66,801	66,801	66,801
61	Transfers Out - CIP			0	0	0	0	0	0
62	Transfers Out - R&R Fund			0	0	0	0	0	0
63	Transfers Out - Debt Payment			75,000	75,000	75,000	75,000	75,000	75,000
64	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
65	Interest Income		(R)	\$417	\$410	\$402	\$394	\$386	\$378
	Recognition of Interest Income								
66	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
67	Ending Balance	(R)		\$413,635	\$405,845	\$398,048	\$390,242	\$382,429	\$374,608
68	Percent Allocable to Water System			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
69	Percent Allocable to Wastewater System			100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
70	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
71	Amount Allocable to Wastewater System			0	0	0	0	0	0
<b>Renewal and Replacement Fund (444)</b>									
72	Beginning Balance			\$20,760	\$178,543	\$553,953	\$620,254	\$830,301	\$1,053,505
73	Transfers In - Annual Operations			600,000	1,686,499	1,825,273	1,981,358	2,047,653	2,109,907
74	Transfers In - Impact Fee Funds			0	0	0	0	0	0
75	Transfers In - Fund 401			1,444,004	0	0	0	0	0
76	Transfers Out - CIP			1,886,221	1,311,089	1,758,972	1,771,310	1,824,450	2,463,457
77	Transfers Out - Fund 401			0	0	0	0	0	0
78	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
79	Interest Income		(U)	\$100	\$366	\$587	\$725	\$942	\$877
	Recognition of Interest Income								
80	in Revenue Requirements			\$100	\$366	\$587	\$725	\$942	\$877
81	Ending Balance	(U)		\$178,543	\$553,953	\$620,254	\$830,301	\$1,053,505	\$699,954
82	Percent Allocable to Water System			44.34%	44.34%	44.34%	44.34%	44.34%	44.34%
83	Percent Allocable to Wastewater System			55.66%	55.66%	55.66%	55.66%	55.66%	55.66%
84	Amount Allocable to Water System			\$44	\$162	\$260	\$322	\$418	\$389
85	Amount Allocable to Wastewater System			55	204	327	404	524	488
<b>Rate Stabilization Fund (445)</b>									
86	Beginning Balance			\$1,938,125	\$494,121	\$494,121	\$494,121	\$494,121	\$494,121
87	Transfers In			0	0	0	0	0	0
88	Transfers Out - As Cash			1,444,004	0	0	0	0	0
89	Transfers Out - As Revenue			0	0	0	0	0	0
90	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
91	Interest Income		(U)	\$1,216	\$494	\$494	\$494	\$494	\$494
	Recognition of Interest Income								
92	in Revenue Requirements			\$1,216	\$494	\$494	\$494	\$494	\$494
93	Ending Balance	(U)		\$494,121	\$494,121	\$494,121	\$494,121	\$494,121	\$494,121
94	Percent Allocable to Water System			43.83%	43.83%	43.83%	43.83%	43.83%	43.83%
95	Percent Allocable to Wastewater System			56.17%	56.17%	56.17%	56.17%	56.17%	56.17%
96	Amount Allocable to Water System			\$533	\$217	\$217	\$217	\$217	\$217
97	Amount Allocable to Wastewater System			683	278	278	278	278	278

**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	2019	2020	2021	2022	2023	2024
<b>Charter Reserve Fund</b>									
98	Beginning Balance			\$386,252	\$722,780	\$1,059,307	\$1,395,835	\$1,732,362	\$1,732,362
99	Transfers In			336,528	336,528	336,528	336,528	0	0
100	Transfers Out			0	0	0	0	0	0
101	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
102	Interest Income		(U)	\$555	\$891	\$1,228	\$1,564	\$1,732	\$1,732
	Recognition of Interest Income								
103	in Revenue Requirements			\$555	\$891	\$1,228	\$1,564	\$1,732	\$1,732
104	Ending Balance	(U)		\$722,780	\$1,059,307	\$1,395,835	\$1,732,362	\$1,732,362	\$1,732,362
105	Percent Allocable to Water System			43.83%	43.83%	43.83%	43.83%	43.83%	43.83%
106	Percent Allocable to Wastewater System			56.17%	56.17%	56.17%	56.17%	56.17%	56.17%
107	Amount Allocable to Water System			\$243	\$391	\$538	\$686	\$759	\$759
108	Amount Allocable to Wastewater System			311	500	689	878	973	973
<b>Debt Service Reserve Fund</b>									
109	Beginning Balance			\$1,445,473	\$1,445,473	\$1,445,473	\$1,445,473	\$1,445,473	\$1,445,473
110	Transfers In - Additional Senior Lien Debt 1			0	0	0	0	0	0
111	Transfers In - Additional Senior Lien Debt 2			0	0	0	0	0	0
112	Transfers In - Additional Senior Lien Debt 3			0	0	0	0	0	0
113	Transfers In - Additional Senior Lien Debt 4			0	0	0	0	0	0
114	Transfers Out - Other			\$0	\$0	\$0	\$0	\$0	\$0
115	Transfers Out - Other			0	0	0	0	0	0
116	Transfers Out - Additional Senior Lien Debt 1			0	0	0	0	0	0
117	Transfers Out - Additional Senior Lien Debt 2			0	0	0	0	0	0
118	Transfers Out - Additional Senior Lien Debt 3			0	0	0	0	0	0
119	Transfers Out - Additional Senior Lien Debt 4			0	0	0	0	0	0
120	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
121	Interest Income		(U)	\$1,445	\$1,445	\$1,445	\$1,445	\$1,445	\$1,445
	Recognition of Interest Income								
122	in Revenue Requirements			\$1,445	\$1,445	\$1,445	\$1,445	\$1,445	\$1,445
123	Ending Balance	(R)		\$1,445,473	\$1,445,473	\$1,445,473	\$1,445,473	\$1,445,473	\$1,445,473
124	Percent Allocable to Water System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
125	Percent Allocable to Wastewater System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
126	Amount Allocable to Water System			\$723	\$723	\$723	\$723	\$723	\$723
127	Amount Allocable to Wastewater System			723	723	723	723	723	723
<b>Proposed Bonds Construction Fund</b>									
128	Beginning Balance			\$0	\$0	\$0	\$0	\$0	\$0
129	Transfers In			0	0	0	0	3,850,000	0
130	Transfers Out - CIP			0	0	0	0	3,850,000	0
131	Interest Rate			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
132	Interest Income		(R)	\$0	\$0	\$0	\$0	\$0	\$0
	Recognition of Interest Income								
133	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
134	Ending Balance	(R)		\$0	\$0	\$0	\$0	\$0	\$0
135	Percent Allocable to Water System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
136	Percent Allocable to Wastewater System			50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
137	Amount Allocable to Water System			\$0	\$0	\$0	\$0	\$0	\$0
138	Amount Allocable to Wastewater System			0	0	0	0	0	0
<b>Debt Service Sinking Fund</b>									
139	Annual Debt Service Payment			\$2,211,538	\$2,019,931	\$1,865,406	\$1,787,364	\$2,112,572	\$2,272,826
140	Average Balance	(R)		552,885	504,983	466,351	446,841	528,143	568,206
141	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
142	Interest Income		(U)	\$553	\$505	\$466	\$447	\$528	\$568
	Recognition of Interest Income								
143	in Revenue Requirements			\$553	\$505	\$466	\$447	\$528	\$568
144	Percent Allocable to Water System			51.86%	47.29%	30.45%	27.45%	30.93%	28.75%
145	Percent Allocable to Wastewater System			48.14%	52.71%	69.55%	72.55%	69.07%	71.25%
146	Amount Allocable to Water System			\$287	\$239	\$142	\$123	\$163	\$163
147	Amount Allocable to Wastewater System			266	266	324	324	365	405

**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	2019	2020	2021	2022	2023	2024
<b><u>Interest Income:</u></b>									
148	Unrestricted Interest Income - Water (Includes GF Payback Interest)			\$18,411	\$7,381	\$4,129	\$2,727	\$3,056	\$3,053
149	Unrestricted Interest Income - Wastewater (Includes GF Payback Interest)			18,789	7,858	4,780	3,436	3,840	3,876
150	Total Unrestricted Interest Income			\$37,200	\$15,239	\$8,909	\$6,163	\$6,896	\$6,929
151	Restricted Interest Income			\$1,478	\$1,474	\$1,471	\$1,468	\$1,464	\$1,461
152	<b>Total Interest Income</b>			<b>\$38,677</b>	<b>\$16,713</b>	<b>\$10,380</b>	<b>\$7,631</b>	<b>\$8,360</b>	<b>\$8,390</b>

**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,					
		2019	2020	2021	2022	2023	2024
<b><u>Operating Expenses: [1]</u></b>							
1	Administration Department	\$407,341	\$421,518	\$436,349	\$451,832	\$468,022	\$484,949
2	Water Department	1,741,511	1,743,999	1,798,986	1,877,230	1,959,593	2,046,263
3	Field Operations Department	827,137	1,021,653	983,752	1,013,661	1,045,301	1,078,735
4	Non-Departmental	244,236	252,571	261,211	270,160	279,431	289,035
5	Contingency - 1.00% of O&M	32,202	34,397	34,803	36,129	37,523	38,990
6	Bad Debt Expense - 0.25% of Rate Revenues	11,650	12,668	13,841	14,392	14,858	15,340
7	Other Adjustments - Retirement Benefits	0	0	0	0	0	0
8	Total Operating Expenses	\$3,264,078	\$3,486,807	\$3,528,943	\$3,663,403	\$3,804,730	\$3,953,311
<b><u>Debt Service Payments:</u></b>							
<b><u>Existing Debt Service: [2]</u></b>							
9	Utility System Refunding Revenue Note, Series 2016	\$451,388	\$451,132	\$451,524	\$451,283	\$451,259	\$451,442
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	692,864	501,438	77,183	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	2,588	0	0
15	Total Existing Debt Service Payments	\$1,146,839	\$955,159	\$531,295	\$453,871	\$451,259	\$451,442
<b><u>Proposed Debt Service: [3]</u></b>							
16	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$165,267	\$165,267
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	36,797	36,797	36,797	36,797
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	\$36,797	\$36,797	\$202,063	\$202,063
25	Total Annual Debt Service Payments	\$1,146,839	\$955,159	\$568,092	\$490,667	\$653,322	\$653,506
<b><u>Other Revenue Requirements:</u></b>							
26	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
27	Payment In Lieu of Franchise Fees [4]	\$283,411	\$294,129	\$318,332	\$345,553	\$357,115	\$367,972
28	Renewal and Replacement Fund Transfer [5]	266,037	747,786	809,318	878,525	907,921	935,523
29	Capital Funded From Rates [6]	104,170	104,170	104,170	104,170	104,170	104,170
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	147,470	147,470	147,828	148,520	0	0
32	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
33	Total Other Revenue Requirements	\$801,089	\$1,293,556	\$1,379,648	\$1,476,769	\$1,369,206	\$1,407,666
34	<b>Gross Revenue Requirements</b>	\$5,212,006	\$5,735,521	\$5,476,683	\$5,630,840	\$5,827,258	\$6,014,483
<b><u>Other Revenues and Financial Resources:</u></b>							
35	Other Operating Revenues	\$295,564	\$290,774	\$291,233	\$291,692	\$292,151	\$292,611
36	Unrestricted Interest Income [7]	18,411	7,381	4,129	2,727	3,056	3,053
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	\$358,975	\$343,155	\$340,362	\$339,419	\$340,207	\$340,664
41	<b>Net Revenue Requirements</b>	\$4,853,031	\$5,392,366	\$5,136,321	\$5,291,421	\$5,487,051	\$5,673,819
<b><u>Revenue From Existing Water Rates:</u></b>							
42	Existing Rate Revenue	\$4,060,872	\$4,071,767	\$4,082,662	\$4,093,557	\$4,104,452	\$4,115,347
43	Prior Year Rate Adjustments	0	0	367,440	770,000	918,340	1,071,860
44	Total Rate Revenue Before Current Year Adjustment	\$4,060,872	\$4,071,767	\$4,450,102	\$4,863,557	\$5,022,792	\$5,187,207
<b><u>Revenue From Existing Wholesale Water Rates:</u></b>							
45	Existing Rate Revenue	\$599,168	\$599,168	\$599,168	\$599,168	\$599,168	\$599,168
46	Prior Year Rate Adjustments	0	0	53,930	112,700	134,060	156,060
47	Total Rate Revenue Before Current Year Adjustment	\$599,168	\$599,168	\$653,098	\$711,868	\$733,228	\$755,228
<b><u>Current Year Rate Adjustment - Water</u></b>							
48	Current Year Water Rate Adjustment	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%

**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,					
		2019	2020	2021	2022	2023	2024
	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	\$366,459	\$400,509	\$145,907	\$150,684	\$155,616
	<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	\$29,958	\$32,655	\$35,593	\$36,661	\$37,761
54	<b>Total Revenue From Rates</b>	\$4,660,040	\$5,067,353	\$5,536,364	\$5,756,925	\$5,943,365	\$6,135,813
55	<b>Revenue Surplus / (Deficiency) [8]</b>	<u>(\$192,990)</u>	<u>(\$325,014)</u>	<u>\$400,044</u>	<u>\$465,505</u>	<u>\$456,314</u>	<u>\$461,994</u>

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2019 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)	\$3,950,000	(50.00% Allocated to the Water System)
Issue Date	10/1/2022	
Interest Rate	5.50%	
Term (Years)	20	
Annual Average Debt Service	\$330,533	

Additional Subordinate Lien Debt 1

Principal (Includes Project Costs and Costs of Issuance)	\$3,450,000	(0.00% Allocated to the Water System)
Issue Date	10/1/2020	
Interest Rate	3.00%	
Term (Years)	20	
Annual Average Debt Service	\$231,894	

Additional Subordinate Lien Debt 2

Principal (Includes Project Costs and Costs of Issuance)	\$535,000	(100.00% Allocated to the Water System)
Issue Date	10/1/2020	
Interest Rate	3.25%	
Term (Years)	20	
Annual Average Debt Service	\$36,797	

Additional Subordinate Lien Debt 3

Principal (Includes Project Costs and Costs of Issuance)	\$2,360,000	(0.00% Allocated to the Water System)
Issue Date	10/1/2023	
Interest Rate	3.50%	
Term (Years)	20	
Annual Average Debt Service	\$166,052	

- [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,					
		2019	2020	2021	2022	2023	2024
<b><u>Operating Expenses: [1]</u></b>							
1	Administration Department	\$549,706	\$568,838	\$588,853	\$609,747	\$631,595	\$654,438
2	Wastewater Department	2,050,706	2,124,500	2,152,198	2,239,266	2,330,715	2,426,631
3	Wastewater Collection Department	546,435	567,091	588,867	612,986	638,369	665,064
4	Field Operations Department	615,842	702,154	676,106	696,661	718,407	741,385
5	Non-Departmental	266,552	275,934	285,671	295,768	306,244	317,109
6	Contingency - 1.00% of O&M	40,292	42,385	42,917	44,544	46,253	48,046
7	Bad Debt Expense - 0.25% of Rate Revenues	14,936	16,241	17,668	18,219	18,788	19,376
8	Other Adjustments - Retirement Benefits	0	0	0	0	0	0
9	Total Operating Expenses	\$4,084,468	\$4,297,143	\$4,352,279	\$4,517,192	\$4,690,371	\$4,872,048
<b><u>Debt Service Payments:</u></b>							
<b><u>Existing Debt Service: [2]</u></b>							
10	Utility System Refunding Revenue Note, Series 2016	\$623,345	\$622,993	\$623,533	\$623,200	\$623,167	\$623,421
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	36,440	36,866	36,973	36,689	36,597	30,362
15	Vehicle Lease 2016 Amer Cap Svc.	2,588	2,588	2,588	2,588	0	0
16	Total Existing Debt Service Payments	\$1,064,699	\$1,064,772	\$1,065,420	\$1,064,802	\$1,062,089	\$1,056,107
<b><u>Proposed Debt Service: [3]</u></b>							
17	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$165,267	\$165,267
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	\$231,894	\$231,894	\$231,894	\$231,894
22	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
23	Additional Subordinate Lien Debt 3	0	0	0	0	0	166,052
24	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
25	Total Proposed Debt Service Payments	\$0	\$0	\$231,894	\$231,894	\$397,161	\$563,213
26	Total Annual Debt Service Payments	\$1,064,699	\$1,064,772	\$1,297,314	\$1,296,696	\$1,459,250	\$1,619,320
<b><u>Other Revenue Requirements:</u></b>							
27	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
28	Payment In Lieu of Franchise Fees [4]	\$355,772	\$369,227	\$399,609	\$433,781	\$448,295	\$461,924
29	Renewal and Replacement Fund Transfer [5]	333,963	938,713	1,015,955	1,102,832	1,139,733	1,174,383
30	Capital Funded From Rates [6]	193,855	298,355	302,990	335,082	340,819	346,727
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	189,058	189,058	188,699	188,007	0	0
33	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
34	Total Other Revenue Requirements	\$1,072,647	\$1,795,352	\$1,907,253	\$2,059,702	\$1,928,846	\$1,983,035
35	<b>Gross Revenue Requirements</b>	<b>\$6,221,814</b>	<b>\$7,157,267</b>	<b>\$7,556,845</b>	<b>\$7,873,590</b>	<b>\$8,078,467</b>	<b>\$8,474,403</b>
<b><u>Other Revenues and Financial Resources:</u></b>							
36	Other Operating Revenues	\$313,498	\$313,957	\$314,417	\$314,876	\$315,335	\$315,794
37	Unrestricted Interest Income [7]	18,789	7,858	4,780	3,436	3,840	3,876
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	\$407,287	\$396,815	\$394,196	\$393,312	\$394,175	\$394,670
42	<b>Net Revenue Requirements</b>	<b>\$5,814,527</b>	<b>\$6,760,452</b>	<b>\$7,162,649</b>	<b>\$7,480,278</b>	<b>\$7,684,292</b>	<b>\$8,079,733</b>
<b><u>Revenue From Existing Wastewater Rates:</u></b>							
43	Existing Wastewater Rate Revenue	\$5,608,323	\$5,623,768	\$5,639,213	\$5,654,658	\$5,670,104	\$5,685,549
44	Prior Year Rate Adjustments	0	0	507,530	1,063,640	1,268,650	1,480,830
45	Total Rate Revenue Before Current Year Adjustment	\$5,608,323	\$5,623,768	\$6,146,743	\$6,718,298	\$6,938,754	\$7,166,379
<b><u>Current Year Rate Adjustment</u></b>							
46	Current Year Wastewater Rate Adjustment Effective Month	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%
47	Percent of Current Year Effective	Aug. 17%	Oct. 100%	Oct. 100%	Oct. 100%	Oct. 100%	Oct. 100%
48	Total Revenue From Current Year Adjustments	\$0	\$506,139	\$553,207	\$201,549	\$208,163	\$214,991
<b><u>Revenue From Existing Reclaimed Rates:</u></b>							
49	Existing Reclaimed Rate Revenue	\$365,901	\$366,494	\$367,088	\$367,682	\$368,276	\$368,869
50	Prior Year Rate Adjustments	0	0	0	0	0	0
51	Total Rate Revenue Before Current Year Adjustment	\$365,901	\$366,494	\$367,088	\$367,682	\$368,276	\$368,869

**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,					
		2019	2020	2021	2022	2023	2024
<u>Current Year Rate Adjustment</u>							
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	<b>Total Revenue From Rates</b>	\$5,974,224	\$6,496,402	\$7,067,038	\$7,287,529	\$7,515,192	\$7,750,239
56	<b>Revenue Surplus / (Deficiency) [8]</b>	\$159,697	(\$264,050)	(\$95,610)	(\$192,749)	(\$169,100)	(\$329,494)

Footnotes:

- [1] Amounts derived from the City's Fiscal Year 2019 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) | \$3,950,000 | (50.00% Allocated to the Wastewater System) |
| Issue Date   | 10/1/2022   |   |
| Interest Rate  | 5.50%       |   |
| Term (Years)   | 20          |   |
| Annual Average Debt Service                              | \$330,533   |   |
- Additional Subordinate Lien Debt 1
- |  |             |  |
|--|-------------|--|
| Principal (Includes Project Costs and Costs of Issuance) | \$3,450,000 | (100.00% Allocated to the Wastewater System) |
| Issue Date   | 10/1/2020   |  |
| Interest Rate  | 3.00%       |  |
| Term (Years)   | 20          |  |
| Annual Average Debt Service                              | \$231,894   |  |
- Additional Subordinate Lien Debt 2
- |  |           |  |
|--|-----------|--|
| Principal (Includes Project Costs and Costs of Issuance) | \$535,000 | (0.00% Allocated to the Wastewater System) |
| Issue Date   | 10/1/2020 |  |
| Interest Rate  | 3.25%     |  |
| Term (Years)   | 20        |  |
| Annual Average Debt Service                              | \$36,797  |  |
- Additional Subordinate Lien Debt 3
- |  |             |  |
|--|-------------|--|
| Principal (Includes Project Costs and Costs of Issuance) | \$2,360,000 | (100.00% Allocated to the Wastewater System) |
| Issue Date   | 10/1/2023   |  |
| Interest Rate  | 3.50%       |  |
| Term (Years)   | 20          |  |
| Annual Average Debt Service                              | \$166,052   |  |
- [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,					
		2019	2020	2021	2022	2023	2024
<b><u>Operating Expenses: [1]</u></b>							
1	Administration Department	\$957,047	\$990,356	\$1,025,202	\$1,061,579	\$1,099,617	\$1,139,387
2	Water Department	1,741,511	1,743,999	1,798,986	1,877,230	1,959,593	2,046,263
3	Wastewater Department	2,050,706	2,124,500	2,152,198	2,239,266	2,330,715	2,426,631
4	Wastewater Collection Department	546,435	567,091	588,867	612,986	638,369	665,064
5	Field Operations Department	1,442,979	1,723,808	1,659,858	1,710,322	1,763,709	1,820,120
6	Non-Departmental	510,788	528,504	546,882	565,928	585,675	606,143
7	Contingency - 1.00% of O&M	72,495	76,783	77,720	80,673	83,777	87,036
8	Bad Debt Expense - 0.25% of Rate Revenues	26,586	28,909	31,509	32,611	33,646	34,715
9	Other Adjustments -	0	0	0	0	0	0
10	Total Operating Expenses	\$7,348,546	\$7,783,950	\$7,881,221	\$8,180,595	\$8,495,101	\$8,825,358
<b><u>Debt Service Payments:</u></b>							
<b><u>Existing Debt Service: [2]</u></b>							
11	Utility System Refunding Revenue Note, Series 2016	\$1,074,733	\$1,074,125	\$1,075,057	\$1,074,483	\$1,074,426	\$1,074,863
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	692,864	501,438	77,183	0	0	0
15	Capital Improvement Revenue Note, Series 2014	36,440	36,866	36,973	36,689	36,597	30,362
16	Vehicle Lease 2016 Amer Cap Svc.	5,176	5,176	5,176	5,176	0	0
17	Total Existing Debt Service Payments	\$2,211,538	\$2,019,931	\$1,596,715	\$1,518,673	\$1,513,348	\$1,507,550
<b><u>Proposed Debt Service: [3]</u></b>							
18	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$330,533	\$330,533
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	231,894	231,894	231,894	231,894
23	Additional Subordinate Lien Debt 2	0	0	36,797	36,797	36,797	36,797
24	Additional Subordinate Lien Debt 3	0	0	0	0	0	166,052
25	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
26	Total Proposed Debt Service Payments	\$0	\$0	\$268,691	\$268,691	\$599,224	\$765,276
27	Total Annual Debt Service Payments	\$2,211,538	\$2,019,931	\$1,865,406	\$1,787,364	\$2,112,572	\$2,272,826
<b><u>Other Revenue Requirements:</u></b>							
28	General Fund Cost Allocation Transfer	\$0	\$0	\$0	\$0	\$0	\$0
29	Payment In Lieu of Franchise Fees [4]	\$639,183	\$663,356	\$717,941	\$779,334	\$805,410	\$829,897
30	Renewal and Replacement Fund Transfer [5]	600,000	1,686,499	1,825,273	1,981,358	2,047,653	2,109,907
31	Capital Funded From Rates [6]	298,025	402,525	407,160	439,252	444,989	450,898
32	Transfer to Capital Fund (General)	0	0	0	0	0	0
33	Transfer to Operating Reserves	0	0	0	0	0	0
34	Transfer to Charter Reserve Fund	336,528	336,528	336,528	336,528	0	0
35	Transfer to Rate Stabilization Fund	0	0	0	0	0	0
36	Total Other Revenue Requirements	\$1,873,736	\$3,088,908	\$3,286,901	\$3,536,472	\$3,298,053	\$3,390,701
37	<b>Gross Revenue Requirements</b>	\$11,433,820	\$12,892,789	\$13,033,528	\$13,504,430	\$13,905,725	\$14,488,886
<b><u>Other Revenues and Financial Resources:</u></b>							
38	Other Operating Revenues	\$609,063	\$604,731	\$605,650	\$606,568	\$607,486	\$608,405
39	Unrestricted Interest Income [7]	37,200	15,239	8,909	6,163	6,896	6,929
40	Development Fees Used for Debt Service Payments	120,000	120,000	120,000	120,000	120,000	120,000
41	Transfers from Operating Reserves	0	0	0	0	0	0
42	Transfer from Rate Stabilization	0	0	0	0	0	0
43	Total Other Revenues and Financial Resources	\$766,262	\$739,970	\$734,559	\$732,731	\$734,382	\$735,334
44	<b>Net Revenue Requirements</b>	\$10,667,558	\$12,152,818	\$12,298,969	\$12,771,699	\$13,171,343	\$13,753,552
<b><u>Revenue From Combined Rates:</u></b>							
45	Existing Rate Revenue	\$10,634,264	\$10,661,198	\$10,688,132	\$10,715,066	\$10,741,999	\$10,768,933
46	Revenue From Current Year Adjustments	0	902,557	986,371	383,049	395,508	408,369
47	Revenue From Prior Year Rate Adjustments	0	0	928,900	1,946,340	2,321,050	2,708,750
48	Total Revenue From Rates	\$10,634,264	\$11,563,755	\$12,603,403	\$13,044,455	\$13,458,557	\$13,886,052
49	<b>Revenue Surplus / (Deficiency) [8]</b>	(\$33,293)	(\$589,064)	\$304,433	\$272,756	\$287,214	\$132,500
50	<b>Percentage Surplus / (Deficiency)</b>	-0.31%	-5.09%	2.42%	2.09%	2.13%	0.95%

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 2019 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)	\$3,950,000
Issue Date	10/1/2022
Interest Rate	5.50%
Term (Years)	20
Annual Average Debt Service	\$330,533
Additional Subordinate Lien Debt 1	
Principal (Includes Project Costs and Costs of Issuance)	\$3,450,000
Issue Date	10/1/2020
Interest Rate	3.00%
Term (Years)	20
Annual Average Debt Service	\$231,894
Additional Subordinate Lien Debt 2	
Principal (Includes Project Costs and Costs of Issuance)	\$535,000
Issue Date	10/1/2020
Interest Rate	3.25%
Term (Years)	20
Annual Average Debt Service	\$36,797
Additional Subordinate Lien Debt 3	
Principal (Includes Project Costs and Costs of Issuance)	\$2,360,000
Issue Date	10/1/2023
Interest Rate	3.50%
Term (Years)	20
Annual Average Debt Service	\$166,052

- [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.					
		2019	2020	2021	2022	2023	2024
<b><u>Senior Lien Test: (CAFR Presentation Method)</u></b>							
49	Net Revenues	\$3,931,881	\$4,399,408	\$5,336,153	\$5,475,866	\$5,576,897	\$5,675,151
50	Total Senior Lien Bond Service Requirements	\$1,074,733	\$1,074,125	\$1,075,057	\$1,074,483	\$1,404,959	\$1,405,396
51	Calculated Ratio	365.85%	409.58%	496.36%	509.63%	396.94%	403.81%
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	\$1,720,343	\$2,379,478	\$3,470,747	\$3,688,502	\$3,464,325	\$3,402,325
54	Use of Impact Fees for Debt Service Payments	120,000	120,000	120,000	120,000	120,000	120,000
55	Subtotal	\$1,840,343	\$2,499,478	\$3,590,747	\$3,808,502	\$3,584,325	\$3,522,325
<b><u>Less Other Payments and Transfers from Rates:</u></b>							
56	Payment In Lieu of Franchise Fees	[5] \$639,183	\$663,356	\$717,941	\$779,334	\$805,410	\$829,897
57	General Fund Cost Allocation Transfer	0	0	0	0	0	0
58	Renewal and Replacement Fund Transfer	600,000	1,686,499	1,825,273	1,981,358	2,047,653	2,109,907
59	Capital Funded From Rates	298,025	402,525	407,160	439,252	444,989	450,898
60	Transfer to Charter Reserve Fund	336,528	336,528	336,528	336,528	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)	100	366	587	725	942	877
64	Net Amount Available for Other Utility System Purposes	(\$33,293)	(\$589,064)	\$304,433	\$272,756	\$287,214	\$132,500

Footnotes located on following page.

**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
<b>City of Edgewater, Florida</b>									
1	Existing Rates	\$12.77	\$17.07	\$24.21	\$31.35	\$47.43	\$65.31	\$83.19	\$138.99
2	Proposed Rates - Fiscal Year 2020	13.92	18.61	26.39	34.17	51.70	71.19	90.68	151.50
<b>Other Florida Utilities:</b>									
3	City of Daytona Beach [3]	\$16.93	\$22.50	\$28.07	\$33.64	\$44.78	\$55.92	\$67.06	\$94.91
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	12.80	16.38	18.17	19.96	25.34	32.52	39.70	71.10
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]	18.31	18.31	25.54	32.77	47.23	61.69	76.15	112.30
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	11.50	19.38	23.32	27.26	35.14	44.98	56.78	92.19
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	18.30	18.30	25.40	32.50	46.70	60.90	75.10	110.60
13	City of Sanford [3]	11.78	11.78	14.07	16.36	20.94	26.96	32.98	50.67
14	Seminole County [3]	13.88	16.22	17.39	18.56	20.90	23.24	25.58	35.28
15	City of South Daytona	14.61	20.28	25.95	31.62	42.96	54.15	65.19	92.79
16	Volusia County - Softened	13.92	21.80	25.74	29.68	38.47	48.17	57.87	82.92
17	Other Utilities' Average	\$13.75	\$17.08	\$20.73	\$24.41	\$32.04	\$40.39	\$48.95	\$73.58
18	Minimum	9.90	11.78	14.07	15.68	18.16	22.08	25.58	35.28
19	Maximum	18.31	22.50	28.07	33.64	47.23	61.69	76.15	112.30

**Footnotes:**

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2019 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
<b>City of Edgewater, Florida</b>									
1	Existing Rates	\$18.53	\$33.11	\$40.40	\$47.69	\$62.27	\$76.85	\$91.43	\$127.88
2	Proposed Rates - Fiscal Year 2020	20.20	36.09	44.04	51.98	67.87	83.77	99.66	139.39
<b>Other Florida Utilities:</b>									
3	City of Daytona Beach [3]	\$14.05	\$23.64	\$33.23	\$42.82	\$62.00	\$81.18	\$100.36	\$148.31
4	City of DeLand [4]	24.41	34.07	38.90	43.73	53.39	63.05	72.71	72.71
5	City of Deltona	19.69	52.65	69.13	85.61	123.52	166.38	209.24	209.24
6	City of Port Orange [3]	11.70	20.40	24.75	29.10	37.80	46.50	55.20	63.90
7	City of Eustis [3]	26.10	32.62	35.88	39.14	45.66	52.18	58.70	58.70
8	City of Holly Hill [5]	20.60	20.60	28.92	37.24	53.88	70.52	87.16	128.76
9	New Smyrna Beach Utilities Commission	18.61	26.75	30.82	34.89	43.03	51.17	59.31	79.66
10	City of Orange City	22.93	38.73	46.63	54.53	70.33	86.13	94.03	94.03
11	City of Ormond Beach	19.29	19.29	23.72	28.15	37.01	45.87	54.73	76.88
12	Town of Ponce Inlet	14.63	25.51	30.95	36.39	47.27	58.15	69.03	79.91
13	City of Sanford [3]	21.68	21.68	27.59	33.50	45.32	57.14	68.96	80.78
14	Seminole County [3]	22.06	32.10	37.12	42.14	52.18	62.22	72.26	97.36
15	City of South Daytona [3]	15.61	22.80	29.99	37.18	51.56	66.39	81.67	119.87
16	Volusia County - Softened [3]	21.93	30.99	35.52	40.05	49.11	58.17	67.23	85.35
17	Other Utilities' Average	\$19.52	\$28.70	\$35.23	\$41.75	\$55.15	\$68.93	\$82.19	\$99.68
18	Minimum	11.70	19.29	23.72	28.15	37.01	45.87	54.73	58.70
19	Maximum	26.10	52.65	69.13	85.61	123.52	166.38	209.24	209.24

**Footnotes:**

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2019 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 charge 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
<b>City of Edgewater, Florida</b>									
1	Existing Rates	\$31.30	\$50.18	\$64.61	\$79.04	\$109.70	\$142.16	\$174.62	\$266.87
2	Proposed Rates - Fiscal Year 2020	34.12	54.70	70.42	86.15	119.57	154.95	190.34	290.89
<b>Other Florida Utilities:</b>									
3	City of Daytona Beach [3]	\$30.98	\$46.14	\$61.30	\$76.46	\$106.78	\$137.10	\$167.42	\$243.22
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	32.49	69.03	87.30	105.57	148.86	198.90	248.94	280.34
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]	38.91	38.91	54.46	70.01	101.11	132.21	163.31	241.06
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	34.43	58.11	69.95	81.79	105.47	131.11	150.81	186.22
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	32.93	43.81	56.35	68.89	93.97	119.05	144.13	190.51
13	City of Sanford [3]	33.46	33.46	41.66	49.86	66.26	84.10	101.94	131.45
14	Seminole County [3]	35.94	48.32	54.51	60.70	73.08	85.46	97.84	132.64
15	City of South Daytona [3]	30.22	43.08	55.94	68.80	94.52	120.54	146.86	212.66
16	Volusia County - Softened [3]	35.85	52.79	61.26	69.73	87.58	106.34	125.10	168.27
17	Other Utilities' Average	\$33.27	\$45.78	\$55.96	\$66.15	\$87.19	\$109.33	\$131.14	\$173.26
18	Minimum	21.60	33.26	41.49	49.72	61.19	73.25	85.31	108.58
19	Maximum	38.91	69.03	87.30	105.57	148.86	198.90	248.94	280.34

**Footnotes:**

- [1] Unless otherwise noted, amounts shown reflect residential rates in effect May 2019 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 charge 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**

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## CITY OF EDGEWATER, FLORIDA

### WATER, WASTEWATER, SOLID WASTE, AND STORMWATER UTILITY RATE STUDY – FISCAL YEAR 2019 UPDATE

#### SECTION 2 – SOLID WASTE SYSTEM

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##### 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, 2018. In order to calculate projected revenues from rates for the Forecast Period, the existing fiscal year 2019 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 0.31%, or 30 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 \$3.5 million to \$3.8 million per year over the Forecast Period. Other miscellaneous operating revenues are projected, on average, to be approximately \$2,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$1,300 per year as shown on Tables 2-1 and 2-2.

##### OPERATING AND MAINTENANCE EXPENSES

The Fiscal Year 2019 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 2019 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 2019 operating budget of \$3.8 million being adjusted down to approximately \$3.1 million in cash operating expenses, as shown in Table 2-3. A contingency allowance of two percent (2.0%) of operation and maintenance expenses was recognized for unanticipated expenditures in each fiscal year. This is higher than the contingency factor used in the water and wastewater analysis to be conservative 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 \$66,000 and \$9,500 annually, respectively. Operation and maintenance expenses are projected to increase by an annual average of approximately 3.64% per year from Fiscal Year 2019 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 – 3.0% per year
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 2019 – 2024 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 \$5.5 million to fund new automated collection vehicles, new garbage carts, other support vehicles, and an allocation of the debt service associated with the new public works building. The financial forecast assumes that the anticipated 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 debt service schedules for the proposed senior lien debt, the annual debt service payments to be funded from rates begin at approximately \$150,000 in 2020, increasing to \$298,000 by Fiscal Year 2024. Payments for the proposed senior lien debt include amounts for the new carts and a 15% allocation of the public works building of approximately \$150,000 and \$148,000, respectively. As shown on Table 2-6, ongoing vehicle replacements are anticipated to be funded from capital leases with the annual payments increasing to \$208,000 per year in lease payments by 2020. 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 \$255,000 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. 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 sanitation 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 \$111,000 per year for Fiscal Years 2019 through 2022 to achieve this target. Additionally, the City 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 \$1.5 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 the previously adopted / 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,					
	2019	2020	2021	2022	2023	2024
Previously Recommended Rate Adjustments	6.0%	6.0%	6.0%	6.0%	3.0%	N/A
Proposed Solid Waste Rate Adjustments	N/A [*]	6.0%	6.0%	6.0%	3.0%	3.0%
System Revenue Surplus/(Deficiency)	(\$94,087)	\$8,595	\$174,706	\$308,251	\$289,922	\$4,002
Operating Fund (Ending Balance)	\$1,089,664	\$1,098,259	\$976,164	\$1,284,415	\$1,574,337	\$1,538,339
Days of Cash (Target of 90-120 Days of Rate Revenue)	105	100	84	103	123	116
Charter Reserve Fund (Ending Balance)	\$299,032	\$410,773	\$522,625	\$634,590	\$635,225	\$635,860
Senior Lien Debt Service Coverage (Test 1.00)	N/A	5.47	6.41	7.43	3.82	3.91
Subordinate Lien Debt Service Coverage (Test 1.15)	N/A	3.22	3.90	4.63	4.04	4.16
All-In Debt Service Coverage (Target 1.50)	N/A	2.29	2.68	3.11	2.25	2.30

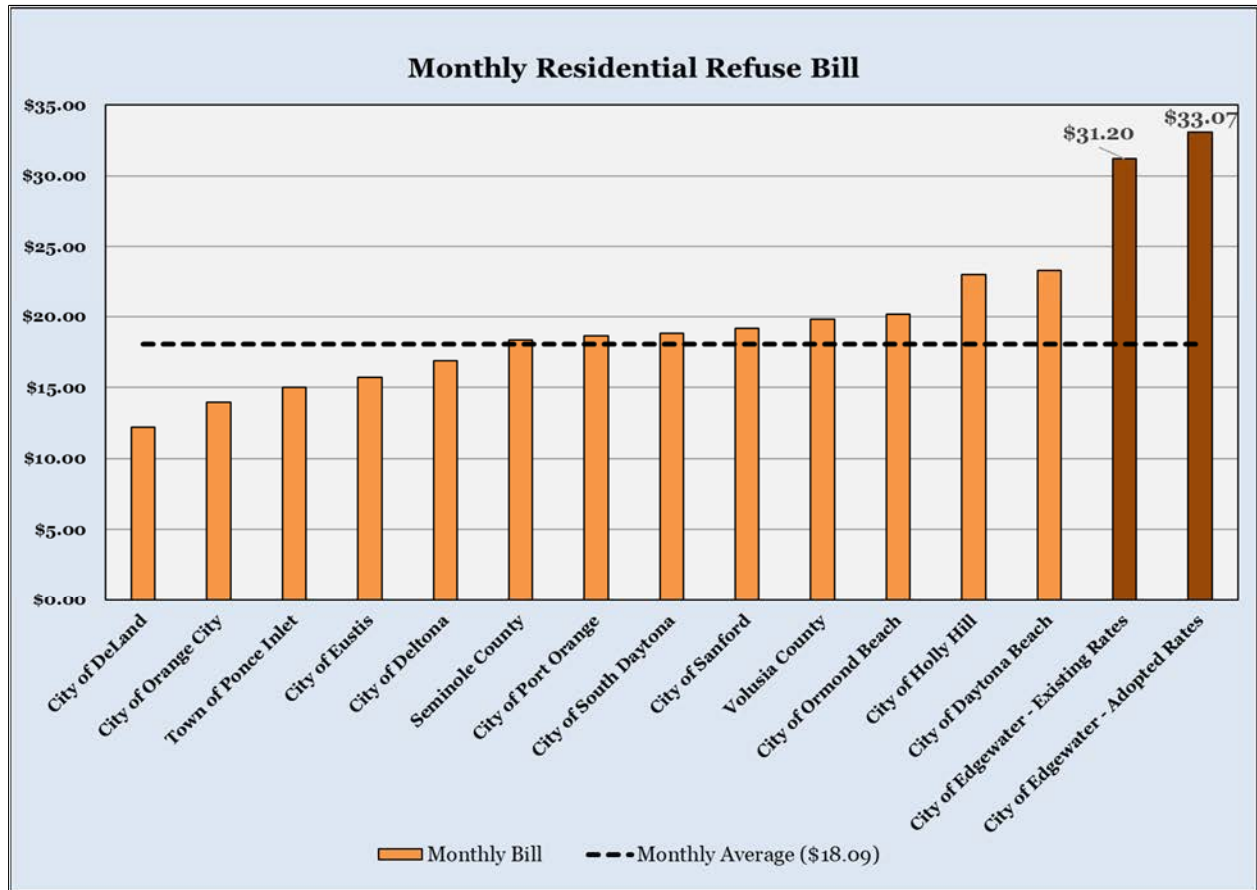
[\*] Rates were adjusted at the beginning of Fiscal Year 2019 by 6.0%.

This report is based on a base case analysis under the solid waste utility system's existing configuration without any operational changes. When the City begins to implement the recommended changes contained in the operational review (from 2018) 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, bills under the proposed Fiscal Year 2020 solid waste rates are 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 2020.



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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
<b>COLLECTION</b>												
<u>Residential:</u>												
1	Customer Growth	N/A	40	1	84	8	25	25	25	25	25	25
2	Number of Bills	110,284	110,759	110,768	111,773	111,869	112,169	112,469	112,769	113,069	113,369	113,669
3	Average Number of Customers	9,190	9,230	9,231	9,314	9,322	9,347	9,372	9,397	9,422	9,447	9,472
4	Monthly Collection Fee	\$20.15	\$20.15	\$21.96	\$23.94	\$26.09	\$27.66	\$27.66	\$27.66	\$27.66	\$27.66	\$27.66
5	Total Residential Collection Revenue	\$2,222,223	\$2,231,794	\$2,432,465	\$2,657,403	\$2,898,619	\$3,102,595	\$3,110,893	\$3,119,191	\$3,127,489	\$3,135,787	\$3,144,085
<u>Multi-Family:</u>												
6	Customer Growth	N/A	10	(0)	(1)	(1)	0	0	0	0	0	0
7	Number of Bills	320	436	433	427	418	418	418	418	418	418	418
8	Average Number of Customers	27	36	36	36	35	35	35	35	35	35	35
9	Number of Units	2,002	4,640	4,534	4,505	4,410	4,410	4,410	4,410	4,410	4,410	4,410
10	Monthly Collection Fee	\$20.15	\$20.15	\$21.96	\$23.94	\$26.09	\$27.66	\$27.66	\$27.66	\$27.66	\$27.66	\$27.66
11	Total Multi-Family Collection Revenue	\$40,340	\$93,496	\$99,567	\$107,106	\$114,268	\$121,982	\$121,982	\$121,982	\$121,982	\$121,982	\$121,982
<u>Commercial:</u>												
12	Customer Growth	N/A	1	3	21	(1)	5	5	5	5	5	5
13	Number of Bills	3,025	3,041	3,075	3,324	3,312	3,372	3,432	3,492	3,552	3,612	3,672
14	Average Number of Customers	252	253	256	277	276	281	286	291	296	301	306
15	Number of Units	5,587	4,052	4,079	4,326	4,310	4,388	4,467	4,545	4,623	4,701	4,779
16	Monthly Collection Fee	\$22.65	\$22.65	\$24.92	\$27.16	\$29.60	\$31.38	\$31.38	\$31.38	\$31.38	\$31.38	\$31.38
17	Total Commercial Collection Revenue	\$126,546	\$91,778	\$101,649	\$116,687	\$126,711	\$137,710	\$140,161	\$142,611	\$145,061	\$147,512	\$149,962
18	Revenue Adjustment	\$6,928	\$9,830	\$12,043	\$11,546	\$32,149	\$34,429	\$34,539	\$34,650	\$34,760	\$34,870	\$34,980
18	Total Collection Revenue	\$2,396,037	\$2,417,068	\$2,633,681	\$2,881,196	\$3,139,598	\$3,362,287	\$3,373,035	\$3,383,783	\$3,394,532	\$3,405,280	\$3,416,028

**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
<b>RECYCLING</b>												
<u>Residential:</u>												
19	Customer Growth	N/A	56	117	40	(14)	25	25	25	25	25	25
20	Number of Bills	110,387	111,059	112,464	112,946	112,780	113,080	113,380	113,680	113,980	114,280	114,580
21	Number of Units	N/A	N/A	9,664	9,627	9,613	9,638	9,663	9,688	9,713	9,738	9,763
22	Average Number of Customers	9,199	9,255	9,372	9,412	9,398	9,423	9,448	9,473	9,498	9,523	9,548
23	Monthly Recycling Fee	\$2.60	\$2.60	\$2.65	\$3.06	\$3.34	\$3.54	\$3.54	\$3.54	\$3.54	\$3.54	\$3.54
24	Subtotal Recycling Revenue	\$287,006	\$288,753	\$307,315	\$353,503	\$385,283	\$409,416	\$410,478	\$411,540	\$412,602	\$413,664	\$414,726
25	Total Recycling Revenue	\$287,006	\$288,753	\$307,315	\$353,503	\$385,283	\$409,416	\$410,478	\$411,540	\$412,602	\$413,664	\$414,726
<b>EXTRA CANS (&gt;3 CANS)</b>												
26	Extra Can Growth	N/A	0	7	0	0	0	0	0	0	0	0
27	Number of Bills	12	12	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
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
30	Total Extra Cans Revenue	\$72	\$72	\$324	\$324	\$324	\$324	\$324	\$324	\$324	\$324	\$324
31	<b>Total Rate Revenues</b>	<b>\$2,683,115</b>	<b>\$2,705,893</b>	<b>\$2,941,320</b>	<b>\$3,235,024</b>	<b>\$3,525,205</b>	<b>\$3,772,027</b>	<b>\$3,783,837</b>	<b>\$3,795,647</b>	<b>\$3,807,458</b>	<b>\$3,819,268</b>	<b>\$3,831,078</b>

**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	Adjustments	Adjusted	Escalation Reference	Fiscal Year Ending September 30,				
			2019		2019		2020	2021	2022	2023	2024
<b>SYSTEM REVENUES</b>											
1	447-0000-343.41-10	Refuse Collection - Residential / Non-Residential	\$3,190,206	\$172,405	\$3,362,611	Input	\$3,373,359	\$3,384,107	\$3,394,856	\$3,405,604	\$3,416,352
2	447-0000-343.42-10	Recycling	390,898	18,518	409,416	Input	410,478	411,540	412,602	413,664	414,726
3	447-0000-361.10-10	Interest	0	0	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	2,000	0	2,000	Constant	2,000	2,000	2,000	2,000	2,000
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	0	0	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	218,073	(218,073)	0	Eliminate	0	0	0	0	0
12	<b>TOTAL SYSTEM REVENUES</b>		<u>\$3,806,177</u>	<u>(\$32,150)</u>	<u>\$3,774,027</u>		<u>\$3,785,837</u>	<u>\$3,797,647</u>	<u>\$3,809,458</u>	<u>\$3,821,268</u>	<u>\$3,833,078</u>

## Footnotes:

[1] Budgeted amounts shown are based on the Fiscal Year 2019 Adopted Operating Budget.

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

**Fiscal Year 2019 Adopted Budget**

Line No.	Cost Center ID Code	Description	Budget 2019	Adjustments	Adjusted 2019
<b>Solid Waste Utility Operating Expenses</b>					
<b>Environmental Services</b>					
<b>Refuse Department - 4060</b>					
<u>Personnel Services:</u>					
1	447-4060-534.12-10	Regular Salaries and Wages	\$676,621	\$0	\$676,621
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	36,667	0	36,667
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	42,670	0	42,670
8	447-4060-534.21-20	Medicare	9,979	0	9,979
9	447-4060-534.22-10	Retirement Contributions	0	0	0
10	447-4060-534.22-20	DCSE	86,019	0	86,019
11	447-4060-534.23-10	Life Insurance	2,753	0	2,753
12	447-4060-534.23-20	Group Medical Insurance	293,298	0	293,298
13	447-4060-534.23-21	HSA Employer Contribution	1,300	0	1,300
14	447-4060-534.23-22	HRA Employer Contribution	3,750	0	3,750
15	447-4060-534.2330	Dental Insurance	8,813	0	8,813
16	447-4060-534.23-40	Long-Term Disability	5,257	0	5,257
17	447-4060-534.23-60	Broker & Admin Fees	6,711	0	6,711
18	447-4060-534.23-90	Other Post Employment Benefits (OPEB)	0	8,257	8,257
19	447-4060-534.24-10	Worker's Compensation	42,000	0	42,000
20		<b>Total Personnel Services</b>	<b>\$1,219,088</b>	<b>\$8,257</b>	<b>\$1,227,345</b>
<u>Operating Expenses:</u>					
21	447-4060-534.31-10	Professional Services	\$20,000	\$0	\$20,000
22	447-4060-534.34-10	Other Contractual Services	660,008	(638,208)	21,800
23	447-4060-534.34-10	Volusia County Landfill	0	475,952	475,952
24	447-4060-534.34-10	Cloer & Sons / Green Waste Disposal	0	162,256	162,256
25	447-4060-534.40-10	Travel and Per Diem	400	0	400
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	1,900	0	1,900
30	447-4060-534.43.30	Water / Sewer / Trash	5,269	0	5,269
31	447-4060-534.44-10	Rent	104	0	104
32	447-4060-534.46-10	Repair & Maintenance	2,000	0	2,000
33	447-4060-534.46-20	Fleet Charges	174,785	0	174,785
34	447-4060-534.47-10	Printing & Binding	400	0	400
35	447-4060-534.48-10	Promotional Activities	3,050	0	3,050
36	447-4060-534.49-01	Cost Allocation	241,701	0	241,701
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)	90,471	0	90,471
42	447-4060-534.52-30	Uniforms	5,600	0	5,600
43	447-4060-534.54-10	Books, Publications, Subscriptions, & Memberships	0	0	0
44	447-4060-534.54-20	Educational Development	695	0	695
45		<b>Total Operating Expenses</b>	<b>\$1,443,390</b>	<b>(\$202,607)</b>	<b>\$1,240,783</b>
46		<b>Total Refuse Department - 4060</b>	<b>\$2,662,478</b>	<b>(\$194,350)</b>	<b>\$2,468,128</b>



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

**Fiscal Year 2019 Adopted Budget**

Line No.	Cost Center ID Code	Description	Budget 2019	Adjustments	Adjusted 2019
<b>Recycling Department - 4065</b>					
<u>Operating Expenses:</u>					
47	447-4065-534.34-10	Other Contractual Services	\$342,000	\$58,303	\$400,303
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	7,936	0	7,936
51	447-4065-534.49-47	Payment-in-Lieu of Franchise Fees (PILOFF) [2]	8,684	(8,684)	0
52		Total Operating Expenses	\$358,620	\$49,619	\$408,239
53		<b>Total Recycling Department - 4065</b>	\$358,620	\$49,619	\$408,239
54		<b>Total Environmental Services</b>	\$3,021,098	(\$144,731)	\$2,876,367
<b>Non-Departmental - 5555</b>					
<u>Operating Expenses:</u>					
55	447-5555-580.22-10	Retirement Contributions	\$114,354	\$0	\$114,354
56	447-5555-580.23-80	PTO Expense	0	0	0
57	447-5555-580.31-10	Professional Services	8,589	0	8,589
58	447-5555-580.45-10	General Liability	5,204	0	5,204
59	447-5555-580.45-15	Property [3]	16,700	(16,700)	0
60	447-5555-580.45-20	Public Officials	4,139	0	4,139
61	447-5555-580.45-25	Automobile [3]	5,670	(5,670)	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]	82,331	(82,331)	0
67	447-5555-580.64-20	Motor Vehicles [3]	363,614	(363,614)	0
68	447-5555-581.04-40	Water Sewer	0	0	0
69	447-5555-581.04-50	Public Works Complex - Series 2015 Bond [3]	0	0	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/Stabalization	184,478	(184,478)	0
74		Total Operating Expenses	\$785,079	(\$652,793)	\$132,286
75		<b>Total Non-Departmental - 5555</b>	\$785,079	(\$652,793)	\$132,286

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

**Fiscal Year 2019 Adopted Budget**

Line No.	Cost Center ID Code	Description	Budget 2019	Adjustments	Adjusted 2019
<b>Miscellaneous Adjustments</b>					
76	Contingency	Contingency - 2.00% of O&M [4]	\$0	\$60,173	\$60,173
77	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [5]	0	9,430	9,430
		Budgetary Adjustment - Actual to Budget	0	0	0
78	Assessment	Tax Collector Expense (Assessment Billing)	0	0	0
79		<b>TOTAL OPERATING EXPENSES</b>	<u>\$3,806,177</u>	<u>(\$727,921)</u>	<u>\$3,078,256</u>

**Footnotes:**

- [1] Budgeted amounts shown are based on the Fiscal Year 2019 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 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 2.00% 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 2019	Escalation Reference	Fiscal Year Ending September 30,				
					2020	2021	2022	2023	2024
<b>Solid Waste Utility Operating Expenses</b>									
<b>Environmental Services</b>									
<b>Refuse Department - 4060</b>									
<u>Personnel Services:</u>									
1	447-4060-534.12-10	Regular Salaries and Wages	\$676,621	Labor	\$696,920	\$717,827	\$739,362	\$761,543	\$784,389
2	AddPer	Additional Personnel	0	Input	0	0	0	0	0
3	447-4060-534.12-20	DC ICMA	0	Labor	0	0	0	0	0
4	447-4060-534.14-10	Overtime	36,667	Labor	37,767	38,900	40,067	41,269	42,507
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	3,328	3,415	3,500	3,587	3,673
7	447-4060-534.21-10	FICA	42,670	Labor	43,950	45,269	46,627	48,025	49,466
8	447-4060-534.21-20	Medicare	9,979	Health-Ins	10,977	12,075	13,282	14,610	16,071
9	447-4060-534.22-10	Retirement Contributions	0	Labor	0	0	0	0	0
10	447-4060-534.22-20	DCSE	86,019	Labor	88,600	91,258	93,995	96,815	99,720
11	447-4060-534.23-10	Life Insurance	2,753	General-Ins	2,891	3,035	3,187	3,346	3,514
12	447-4060-534.23-20	Group Medical Insurance	293,298	Health-Ins	322,628	354,891	390,380	429,418	472,359
13	447-4060-534.23-21	HSA Employer Contribution	1,300	Labor	1,339	1,379	1,421	1,463	1,507
14	447-4060-534.23-22	HRA Employer Contribution	3,750	Labor	3,863	3,978	4,098	4,221	4,347
15	447-4060-534.23-23	Dental Insurance	8,813	Health-Ins	9,694	10,664	11,730	12,903	14,193
16	447-4060-534.23-24	Long-Term Disability	5,257	Marginal	5,310	5,363	5,416	5,470	5,525
17	447-4060-534.23-25	Broker & Admin Fees	6,711	Health-Ins	7,382	8,120	8,932	9,826	10,808
18	447-4060-534.23-90	Other Post Employment Benefits (OPEB)	8,257	Labor	8,504	8,759	9,022	9,293	9,572
19	447-4060-534.24-10	Worker's Compensation	42,000	Labor	43,260	44,558	45,895	47,271	48,690
20		Total Personnel Services	\$1,227,345		\$1,286,411	\$1,349,490	\$1,416,913	\$1,489,061	\$1,566,342
<u>Operating Expenses:</u>									
21	447-4060-534.31-10	Professional Services	\$20,000	Contractual	\$20,800	\$21,632	\$22,497	\$23,397	\$24,333
22	447-4060-534.34-10	Other Contractual Services	21,800	Contractual	22,672	23,579	24,522	25,503	26,523
23	447-4060-534.34-10	Volusia County Landfill	475,952	Growth+Infl	488,678	502,721	516,660	530,982	545,164
24	447-4060-534.34-10	Cloer & Sons / Green Waste Disposal	162,256	Growth+Infl	166,595	171,382	176,134	181,017	185,851
25	447-4060-534.40-10	Travel and Per Diem	400	Inflation	410	420	431	442	452
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	12,288	12,607	12,923	13,246	13,564
29	447-4060-534.43-10	Electric	1,900	Electricity	1,995	2,095	2,199	2,309	2,425
30	447-4060-534.43-30	Water / Sewer / Trash	5,269	Inflation	5,395	5,536	5,674	5,816	5,956
31	447-4060-534.44-10	Rent	104	Inflation	106	109	112	115	118
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	174,785	Repair	180,029	185,429	190,992	196,722	202,624
34	447-4060-534.47-10	Printing & Binding	400	Inflation	410	420	431	442	452
35	447-4060-534.48-10	Promotional Activities	3,050	Inflation	3,123	3,204	3,285	3,367	3,447
36	447-4060-534.49-01	Cost Allocation	241,701	Labor	248,952	256,421	264,113	272,037	280,198
37	447-4060-534.49-10	Other Charges / Obligations	2,400	Inflation	2,458	2,521	2,585	2,649	2,713
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	20,480	21,012	21,538	22,076	22,606
41	447-4060-534.52-20	Fuel (Unleaded & Diesel)	90,471	Fuel	94,995	99,744	104,731	109,968	115,466
42	447-4060-534.52-30	Uniforms	5,600	Inflation	5,734	5,883	6,031	6,181	6,330
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	695	Inflation	712	730	748	767	786
45		Total Operating Expenses	\$1,240,783		\$1,277,891	\$1,317,570	\$1,357,791	\$1,399,285	\$1,441,325
46		<b>Total Refuse Department - 4060</b>	<b>\$2,468,128</b>		<b>\$2,564,302</b>	<b>\$2,667,060</b>	<b>\$2,774,705</b>	<b>\$2,888,347</b>	<b>\$3,007,667</b>
<b>Recycling Department - 4065</b>									
<u>Operating Expenses:</u>									
47	447-4065-534.34-10	Other Contractual Services	\$400,303	Input	\$410,478	\$411,540	\$412,602	\$413,664	\$414,726
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	7,936	Labor	8,174	8,419	8,672	8,932	9,200
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	\$408,239		\$418,652	\$419,959	\$421,274	\$422,596	\$423,926
53		<b>Total Recycling Department - 4065</b>	<b>\$408,239</b>		<b>\$418,652</b>	<b>\$419,959</b>	<b>\$421,274</b>	<b>\$422,596</b>	<b>\$423,926</b>
54		<b>Total Environmental Services</b>	<b>\$2,876,367</b>		<b>\$2,982,954</b>	<b>\$3,087,019</b>	<b>\$3,195,978</b>	<b>\$3,310,943</b>	<b>\$3,431,593</b>
<b>Non-Departmental - 5555</b>									
<u>Operating Expenses:</u>									
55	447-5555-580.22-10	Retirement Contributions	\$114,354	Benefits	\$120,072	\$126,075	\$132,379	\$138,998	\$145,948
56	447-5555-580.23-80	PTO Expense	0	Labor	0	0	0	0	0
57	447-5555-580.31-10	Professional Services	8,589	Labor	8,847	9,112	9,385	9,667	9,957
58	447-5555-580.45-10	General Liability	5,204	General-Ins	5,464	5,737	6,024	6,325	6,642

**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 2019	Escalation Reference	Fiscal Year Ending September 30,				
					2020	2021	2022	2023	2024
59	447-5555-580.45-15	Property	0	Eliminate	0	0	0	0	0
60	447-5555-580.45-20	Public Officials	4,139	Labor	4,263	4,391	4,523	4,658	4,798
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		<b>Total Operating Expenses</b>	<u>\$132,286</u>		<u>\$138,646</u>	<u>\$145,316</u>	<u>\$152,312</u>	<u>\$159,649</u>	<u>\$167,345</u>
74		<b>Total Non-Departmental - 5555</b>	<u>\$132,286</u>		<u>\$138,646</u>	<u>\$145,316</u>	<u>\$152,312</u>	<u>\$159,649</u>	<u>\$167,345</u>
		<b>Miscellaneous Adjustments</b>							
75	Contingency	Contingency - 2.00% of O&M [4]	\$60,173	Input	\$62,432	\$64,647	\$66,966	\$69,412	\$71,979
76	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [5]	9,430	Input	9,460	9,489	9,519	9,548	9,578
77	Other	Other Adjustment	0	Input	0	0	0	0	0
78		<b>TOTAL OPERATING EXPENSES</b>	<u>\$3,078,256</u>		<u>\$3,193,492</u>	<u>\$3,306,471</u>	<u>\$3,424,774</u>	<u>\$3,549,551</u>	<u>\$3,680,494</u>

**Footnotes:**

- [1] Budgeted amounts shown are based on the Fiscal Year 2019 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 2.00% 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,				
			2020	2021	2022	2023	2024
1	General Inflation (CPI) [1][2]	Inflation	1.0240	1.0260	1.0250	1.0250	1.0240
2	Labor [2]	Labor	1.0300	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	1.0027	1.0027	1.0027	1.0027	1.0026
16	Customer Growth + Inflation	Growth+Infl	1.0267	1.0287	1.0277	1.0277	1.0267
17	Workers' Compensation	WorkComp	1.0300	1.0300	1.0300	1.0300	1.0300
18	Recycling Rate	Recycling	1.0240	1.0260	1.0250	1.0250	1.0240
19	Recycling Rate + Growth	Rec-Growth	1.0267	1.0287	1.0277	1.0277	1.0267

Footnotes:

[1] Estimated based on projections from "Budget and Economic Outlook: 2019 to 2029", published by the Congressional Budget Office in January 2019.

[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 2019	Fiscal Year Ending September 30,					6-Year Total
					2020	2021	2022	2023	2024	
<b><u>CIP Escalation Factor Alternatives</u></b>										
<b><u>General Project Escalators</u></b>										
1	Inflation (CPI)	Inflation		1.000	1.024	1.051	1.077	1.104	1.130	
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	
<b>CAPITAL IMPROVEMENT PLAN</b>										
7	Garbage Carts	Outlay	Rates	\$0	\$38,500	\$34,500	\$35,700	\$33,300	\$34,500	\$176,500
8	Garbage Carts (Split Funding)	Inflation	Senior1	0	1,100,000	0	0	0	0	1,100,000
9	Vehicles (Garbage Trucks)	Inflation	Rates	363,614	0	0	0	0	299,000	662,614
9	Vehicles (Garbage Trucks) (Split Funding)	Inflation	Operating	0	0	0	0	0	40,000	40,000
10	Vehicles (Garbage Trucks) (Split Funding)	Inflation	Sub.1	0	1,177,600	0	0	0	0	1,177,600
11	Long Bed Pick-up Truck	Outlay	Rates	0	36,225	0	0	0	0	36,225
12	Public Works Building	ENR	Operating	0	0	296,800	0	0	0	296,800
13	Public Works Building (Split Funding)	ENR	Senior2	0	0	0	0	1,724,800	0	1,724,800
14	Subtotal Capital Improvement Plan			\$363,614	\$2,352,325	\$331,300	\$35,700	\$1,758,100	\$373,500	\$5,214,539
15	Capital Outlay	Outlay	Rates	\$104,701	\$31,050	\$31,050	\$32,100	\$33,300	\$34,500	\$266,701
16	<b>TOTAL CAPITAL IMPROVEMENT PLAN</b>			<b>\$468,315</b>	<b>\$2,383,375</b>	<b>\$362,350</b>	<b>\$67,800</b>	<b>\$1,791,400</b>	<b>\$408,000</b>	<b>\$5,481,240</b>
<b>FUNDING SOURCES</b>										
17	Rate Revenue		Rates	\$468,315	\$105,775	\$65,550	\$67,800	\$66,600	\$368,000	\$1,142,040
18	Operating Fund - Fund 447		Operating	0	0	296,800	0	0	40,000	336,800
19	Public Works Complex / Transfer Station - Fund 450		Fund450	0	0	0	0	0	0	0
20	Renewal and Replacement Fund		R&R	0	0	0	0	0	0	0
21	Existing Debt Proceeds		ExistDebt	0	0	0	0	0	0	0
22	Additional Senior Lien Debt 1		Senior1	0	1,100,000	0	0	0	0	1,100,000
23	Additional Senior Lien Debt 2		Senior2	0	0	0	0	1,724,800	0	1,724,800
24	Additional Senior Lien Debt 3		Senior3	0	0	0	0	0	0	0
25	Additional Senior Lien Debt 4		Senior4	0	0	0	0	0	0	0
26	Additional Subordinate Lien Debt 1		Sub.1	0	1,177,600	0	0	0	0	1,177,600
27	Additional Subordinate Lien Debt 2		Sub.2	0	0	0	0	0	0	0
28	Additional Subordinate Lien Debt 3		Sub.3	0	0	0	0	0	0	0
29	Additional Subordinate Lien Debt 4		Sub.4	0	0	0	0	0	0	0
30	Other		Other	0	0	0	0	0	0	0
31	<b>TOTAL FUNDING SOURCES</b>			<b>\$468,315</b>	<b>\$2,383,375</b>	<b>\$362,350</b>	<b>\$67,800</b>	<b>\$1,791,400</b>	<b>\$408,000</b>	<b>\$5,481,240</b>

**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,					
		2019	2020	2021	2022	2023	2024
<b>Solid Waste System</b>							
<u>Existing Debt:</u>							
1	Capital Improvement Revenue Note, Series 2015	\$0	\$0	\$0	\$0	\$0	\$0
2	Total Existing Debt Payments	\$0	\$0	\$0	\$0	\$0	\$0
<u>Proposed Senior Lien Debt:</u>							
3	Additional Senior Lien Debt 1	\$0	\$149,915	\$149,915	\$149,915	\$149,915	\$149,915
4	Additional Senior Lien Debt 2	0	0	0	0	148,112	148,112
5	Additional Senior Lien Debt 3	0	0	0	0	0	0
6	Additional Senior Lien Debt 4	0	0	0	0	0	0
7	Total Proposed Senior Lien Debt Service Payments	\$0	\$149,915	\$149,915	\$149,915	\$298,027	\$298,027
<u>Proposed Junior Lien Debt:</u>							
8	Additional Subordinate Lien Debt 1	\$0	\$208,248	\$208,248	\$208,248	\$208,248	\$208,248
9	Additional Subordinate Lien Debt 2	0	0	0	0	0	0
10	Additional Subordinate Lien Debt 3	0	0	0	0	0	0
11	Additional Subordinate Lien Debt 4	0	0	0	0	0	0
12	Total Proposed Junior Lien Debt Service Payments	\$0	\$208,248	\$208,248	\$208,248	\$208,248	\$208,248
13	Total Solid Waste Debt Service Payments	\$0	\$358,162	\$358,162	\$358,162	\$506,275	\$506,275

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

**Projection of Interfund Transfers**

Line No.	Description	Fiscal Year Ending September 30,					
		2019	2020	2021	2022	2023	2024
<b>Payment in Lieu of Franchise Fees (PILOFF) [1]</b>							
1	Current Year Collection Revenue	\$3,362,287	\$3,575,417	\$3,802,019	\$4,042,942	\$4,177,415	\$4,316,319
2	Current Year Recycling Revenue	409,416	435,107	462,406	491,415	507,461	524,026
3	Total Rate Revenue	<u>\$3,771,703</u>	<u>\$4,010,524</u>	<u>\$4,264,425</u>	<u>\$4,534,357</u>	<u>\$4,684,876</u>	<u>\$4,840,345</u>
4	Payment In Lieu of Franchise Fees Factor (% of Revenue)	5.60%	5.90%	5.90%	5.90%	5.90%	5.90%
5	Payment in Lieu of Franchise Fee Amount	\$211,291	\$236,621	\$251,601	\$267,527	\$276,408	\$285,580
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	\$226,896	\$241,260	\$256,532	\$265,047	\$273,843
9	Recycling Payment in Lieu of Franchise Fees (PILOFF) Transfer	8,684	9,725	10,341	10,995	11,360	11,737
10	Annual Payment in Lieu of Franchise Fees (PILOFF) Transfers	<u>\$211,291</u>	<u>\$236,621</u>	<u>\$251,601</u>	<u>\$267,527</u>	<u>\$276,408</u>	<u>\$285,580</u>
<b>Charter Reserve Transfer</b>							
11	Total Charter Reserve Transfer	\$111,386	\$111,386	\$111,386	\$111,386	\$0	\$0
12	Total Interfund Transfers	<u><u>\$322,677</u></u>	<u><u>\$348,007</u></u>	<u><u>\$362,987</u></u>	<u><u>\$378,913</u></u>	<u><u>\$276,408</u></u>	<u><u>\$285,580</u></u>

Footnotes:

[1] Amounts reflect Fund Transfers budgeted in the Fiscal Year 2019 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	2019	2020	2021	2022	2023	2024
<b><u>Year End Cash Balances Roll-Up:</u></b>									
1	Solid Waste Operating Fund (447)	(U)	(U)	\$1,089,664	\$1,098,259	\$976,164	\$1,284,415	\$1,574,337	\$1,538,339
2	Charter Reserve Fund	(U)	(U)	299,032	410,773	522,625	634,590	635,225	635,860
3	Proposed Bonds Construction Fund	(R)	(R)	0	0	0	0	0	0
4	Total Ending Cash Balances			\$1,388,696	\$1,509,031	\$1,498,790	\$1,919,005	\$2,209,561	\$2,174,199
<b><u>Solid Waste Operating Fund (447)</u></b>									
5	Beginning Balance			\$1,178,752	\$1,089,664	\$1,098,259	\$976,164	\$1,284,415	\$1,574,337
6	Transfers In - Revenue Requirements			3,771,703	4,010,524	4,264,425	4,534,357	4,684,876	4,840,345
7	Transfers In - Debt Proceeds			0	0	0	0	0	0
8	Transfers In - Sale of Surplus			5,000	0	0	0	0	0
9	Transfers In - Public Works and Transfer Stations			0	0	0	0	0	0
10	Transfers In - Operating Transfer			0	0	0	0	0	0
11	Transfers In - Debt Service Reserve			0	0	0	0	0	0
12	Transfers Out - Revenue Requirements			3,865,790	4,001,929	4,089,720	4,226,106	4,394,954	4,836,343
13	Transfers Out - Capital Improvements			0	0	296,800	0	0	40,000
14	Transfers Out - R&R Fund			0	0	0	0	0	0
15	Transfers Out - Public Works and Transfer Stations			0	0	0	0	0	0
16	Transfers Out - Operating Transfer			0	0	0	0	0	0
17	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
18	Interest Income		(U)	\$1,134	\$1,094	\$1,037	\$1,130	\$1,429	\$1,556
	Recognition of Interest Income								
19	in Revenue Requirements			\$1,134	\$1,094	\$1,037	\$1,130	\$1,429	\$1,556
20	Ending Balance	(U)		\$1,089,664	\$1,098,259	\$976,164	\$1,284,415	\$1,574,337	\$1,538,339
21	Target Days of Available Cash: 60 Days of Rate Revenue			620,006	659,264	701,001	745,374	770,117	795,673
22	Calculated Days of Available Cash (Revenue)			105	100	84	103	123	116
<b><u>Charter Reserve Fund</u></b>									
23	Beginning Balance			\$187,645	\$299,032	\$410,773	\$522,625	\$634,590	\$635,225
24	Transfers In - Annual Operations			111,386	111,386	111,386	111,386	0	0
25	Transfers Out - CIP			0	0	0	0	0	0
26	Transfers Out			0	0	0	0	0	0
27	Interest Rate			0.00%	0.10%	0.10%	0.10%	0.10%	0.10%
28	Interest Income		(R)	\$0	\$355	\$466	\$578	\$635	\$635
	Recognition of Interest Income								
29	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
30	Ending Balance	(R)		\$299,032	\$410,773	\$522,625	\$634,590	\$635,225	\$635,860
<b><u>Proposed Bonds Construction Fund</u></b>									
31	Beginning Balance			\$0	\$0	\$0	\$0	\$0	\$0
32	Transfers In			0	1,100,000	0	0	1,724,800	0
33	Transfers Out - CIP			0	1,100,000	0	0	1,724,800	0
34	Interest Rate			0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
35	Interest Income		(R)	\$0	\$0	\$0	\$0	\$0	\$0
	Recognition of Interest Income								
36	in Revenue Requirements			\$0	\$0	\$0	\$0	\$0	\$0
37	Ending Balance	(R)		\$0	\$0	\$0	\$0	\$0	\$0
<b><u>Debt Service Sinking Fund</u></b>									
38	Annual Debt Service Payment			\$0	\$358,162	\$358,162	\$358,162	\$506,275	\$506,275
39	Average Balance	(R)		0	89,541	89,541	89,541	126,569	126,569
40	Interest Rate			0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
41	Interest Income		(U)	\$0	\$90	\$90	\$90	\$127	\$127
	Recognition of Interest Income								
42	in Revenue Requirements			\$0	\$90	\$90	\$90	\$127	\$127
<b><u>Interest Income:</u></b>									
43	Unrestricted Interest Income		(U)	\$1,134	\$1,184	\$1,127	\$1,220	\$1,556	\$1,683
44	Restricted Interest Income		(R)	0	355	466	578	635	635
45	<b>Total Interest Income</b>			<b>\$1,134</b>	<b>\$1,538</b>	<b>\$1,593</b>	<b>\$1,798</b>	<b>\$2,191</b>	<b>\$2,318</b>

**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,					
		2019	2020	2021	2022	2023	2024
<b><u>Operating Expenses [1]</u></b>							
1	Total Operating Expenses	\$3,078,256	\$3,193,492	\$3,306,471	\$3,424,774	\$3,549,551	\$3,680,494
<b><u>Debt Service Payments: [2]</u></b>							
<b><u>Existing Debt</u></b>							
2	Capital Improvement Revenue Note, Series 2015	\$0	\$0	\$0	\$0	\$0	\$0
3	Total Existing Debt Service Payments	\$0	\$0	\$0	\$0	\$0	\$0
<b><u>Proposed Debt Service: [3]</u></b>							
4	Additional Senior Lien Debt 1	\$0	\$149,915	\$149,915	\$149,915	\$149,915	\$149,915
5	Additional Senior Lien Debt 2	0	0	0	0	148,112	148,112
6	Additional Senior Lien Debt 3	0	0	0	0	0	0
7	Additional Senior Lien Debt 4	0	0	0	0	0	0
8	Additional Junior Lien Debt 1	\$0	\$208,248	\$208,248	\$208,248	\$208,248	\$208,248
9	Additional Junior Lien Debt 2	0	0	0	0	0	0
10	Additional Junior Lien Debt 3	0	0	0	0	0	0
11	Additional Junior Lien Debt 4	0	0	0	0	0	0
12	Total Proposed Debt Service Payments	\$0	\$358,162	\$358,162	\$358,162	\$506,275	\$506,275
13	Total Debt Service Payments	\$0	\$358,162	\$358,162	\$358,162	\$506,275	\$506,275
<b><u>Other Revenue Requirements:</u></b>							
14	Transfer to Other Fund	\$0	\$0	\$0	\$0	\$0	\$0
15	Transfers to General Fund - PILOFF [4]	\$211,291	\$236,621	\$251,601	\$267,527	\$276,408	\$285,580
16	Transfer to Charter Reserve Fund [5]	111,386	111,386	111,386	111,386	0	0
17	Other Capital Funded from Rates [6]	468,315	105,775	65,550	67,800	66,600	368,000
18	Transfer to Operating Reserves	0	0	0	0	0	0
19	Total Other Revenue Requirements	\$790,992	\$453,782	\$428,537	\$446,713	\$343,008	\$653,580
20	Gross Revenue Requirements	\$3,869,248	\$4,005,436	\$4,093,170	\$4,229,650	\$4,398,834	\$4,840,350
<b><u>Less Income and Funds from Other Sources:</u></b>							
21	Other Operating Revenue	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000	\$2,000
22	Extra Can Revenue	324	324	324	324	324	324
23	Interest Income [7]	1,134	1,184	1,127	1,220	1,556	1,683
24	Transfer from Public Works and Transfer Stations	0	0	0	0	0	0
25	Transfer from Operating Reserves	0	0	0	0	0	0
26	Total Other Revenues	\$3,458	\$3,508	\$3,451	\$3,544	\$3,880	\$4,007
27	Net Revenue Requirements	\$3,865,790	\$4,001,929	\$4,089,720	\$4,226,106	\$4,394,954	\$4,836,343
<b><u>Revenue from Solid Waste Rates:</u></b>							
28	Collection Revenue	\$3,362,287	\$3,373,035	\$3,383,783	\$3,394,532	\$3,405,280	\$3,416,028
29	Prior Year Rate Adjustments	0	0	203,027	419,564	650,463	774,572
30	Collection Revenue Before Current Year Adjustments	\$3,362,287	\$3,373,035	\$3,586,810	\$3,814,096	\$4,055,743	\$4,190,601
31	Recycling Revenue	\$409,416	\$410,478	\$411,540	\$412,602	\$413,664	\$414,726
32	Prior Year Rate Adjustments	0	0	24,692	50,998	79,016	94,038
33	Recycling Revenue Before Current Year Adjustments	\$409,416	\$410,478	\$436,232	\$463,600	\$492,680	\$508,764
34	Total Rate Revenue Before Current Year Adjustment	\$3,771,703	\$3,783,513	\$4,023,043	\$4,277,695	\$4,548,423	\$4,699,364
35	Revenue Surplus / (Deficiency)	(94,087)	(218,416)	(66,677)	51,589	153,469	(136,978)
36	Percent of Current Year Rate Revenue	-2.49%	-5.77%	-1.66%	1.21%	3.37%	-2.91%

**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,					
		2019	2020	2021	2022	2023	2024
<b><u>Current Year Rate Adjustments - Collection</u></b>							
37	Current Year Rate Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%
38	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
39	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
40	Total Revenue from Current Year Adjustments	\$0	\$202,382	\$215,209	\$228,846	\$121,672	\$125,718
<b><u>Current Year Rate Adjustments - Recycling</u></b>							
41	Current Year Rate Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%
42	Effective Month	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.
43	% of Current Year Effective	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
44	Total Revenue from Current Year Adjustments	\$0	\$24,629	\$26,174	\$27,816	\$14,780	\$15,263
45	Collection Revenue After Rate Adjustments	\$3,362,287	\$3,575,417	\$3,802,019	\$4,042,942	\$4,177,415	\$4,316,319
46	Recycling Revenue After Rate Adjustments	409,416	435,107	462,406	491,415	507,461	524,026
47	<b>Total Revenue After Rate Adjustments</b>	<b>\$3,771,703</b>	<b>\$4,010,524</b>	<b>\$4,264,425</b>	<b>\$4,534,357</b>	<b>\$4,684,876</b>	<b>\$4,840,345</b>
48	<b>Revenue Surplus/(Deficiency) [8]</b>	<b>(\$94,087)</b>	<b>\$8,595</b>	<b>\$174,706</b>	<b>\$308,251</b>	<b>\$289,922</b>	<b>\$4,002</b>
49	<b>Percent of Rate Revenues</b>	<b>-2.49%</b>	<b>0.22%</b>	<b>4.12%</b>	<b>6.84%</b>	<b>6.21%</b>	<b>0.08%</b>

**Footnotes:**

- [1] Amounts derived from the City's Fiscal Year 2019 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.

<b>Additional Senior Lien Debt 1</b>	
Principal (Includes Project Costs and Costs of Issuance)	\$1,130,000
Issue Date	10/1/2019
Interest Rate	5.50%
Term (Years)	10
Annual Average Debt Service	\$149,915
<b>Additional Senior Lien Debt 2</b>	
Principal (Includes Project Costs and Costs of Issuance)	\$1,770,000
Issue Date	10/1/2022
Interest Rate	5.50%
Term (Years)	20
Annual Average Debt Service	\$148,112
<b>Additional Subordinate Lien Debt 1</b>	
Principal (Includes Project Costs and Costs of Issuance)	\$1,205,000
Issue Date	10/1/2019
Interest Rate	5.00%
Term (Years)	7
Annual Average Debt Service	\$208,248

- [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,					
		2019	2020	2021	2022	2023	2024
<b><u>Subordinate Lien Test</u></b>							
31	Net Revenues	\$696,905	\$670,625	\$811,491	\$963,212	\$841,178	\$865,831
32	Total Subordinate Lien Debt Service Payments	\$0	\$208,248	\$208,248	\$208,248	\$208,248	\$208,248
33	Calculated Ratio	0.00%	322.03%	389.68%	462.53%	403.93%	415.77%
34	Minimum Required Coverage Ratio	115.00%	115.00%	115.00%	115.00%	115.00%	115.00%
<b><u>Less Other Required and Recognized Transfers:</u></b>							
35	Capital Funded from Rates	\$468,315	\$105,775	\$65,550	\$67,800	\$66,600	\$368,000
36	Charter Reserve Fund Transfer	111,386	111,386	111,386	111,386	0	0
37	Transfers to General Fund - PILOFF	[4] 211,291	236,621	251,601	267,527	276,408	285,580
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	\$790,992	\$453,782	\$428,537	\$446,713	\$343,008	\$653,580
41	Net Amount Available for Other Utility System Purposes	<u>(\$94,087)</u>	<u>\$8,595</u>	<u>\$174,706</u>	<u>\$308,251</u>	<u>\$289,922</u>	<u>\$4,002</u>

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, 2018.
- [2] Revenue from solid waster rate adjustments reflect the following projected rate increases effective October 1st of each year.

Fiscal Year	2019	2020	2021	2022	2023	2024
Rate Adjustment	0.00%	6.00%	6.00%	6.00%	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 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	Residential Collection & Disposal				Non-Ad Valorem Assessment
		Monthly Charges	Garbage Collection	Recycling Collection	Yard Waste Collection	
<b>City of Edgewater:</b>						
1	Current Rates	\$31.20	2 x week	1 x week	1 x week	No
2	Proposed Rates	33.07	2 x week	1 x week	1 x week	No
<b><u>Other Solid Waste Systems:</u></b>						
3	City of Daytona Beach	\$23.31	2 x week	1 x week	1 x week	No
4	City of DeLand	12.23	1 x week	1 x week	1 x week	No
5	City of Deltona	16.90	1 x week	1 x week	1 x week	Yes
6	City of Eustis	15.73	1 x week	1 x week	1 x week	No
7	City of Holly Hill	23.01	2 x week	1 x week	1 x week	No
8	City of Orange City	13.96	2 x week	1 x week	1 x week	Yes
9	City of Ormond Beach	20.14	2 x week	1 x week	1 x week	No
10	Town of Ponce Inlet	15.00	2 x week	1 x week	1 x week	No
11	City of Port Orange	18.67	2 x week	1 x week	1 x week	No
12	City of Sanford	19.20	2 x week	1 x week	1 x week	No
13	Seminole County [2]	18.33	2 x week	1 x week	1 x week	Yes
14	City of South Daytona	18.81	2 x week	1 x week	1 x week	No
15	Volusia County	19.83	2 x week	1 x week	1 x week	Yes
16	Other Utilities' Average	<u>\$18.09</u>				

**Footnotes:**

- [1] Unless otherwise noted, amounts shown reflect rates in effect June 2019 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**

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## CITY OF EDGEWATER, FLORIDA

### WATER, WASTEWATER, SOLID WASTE, AND STORMWATER UTILITY RATE STUDY – FISCAL YEAR 2019 UPDATE

#### SECTION 3 – STORMWATER SYSTEM

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##### CUSTOMER GROWTH AND REVENUES

Projected revenues from rates for the stormwater system were based on the existing rate effective October 1, 2018. In order to calculate projected revenues from rates for the Forecast Period, the existing fiscal year 2019 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 0.30%, or 30 accounts, per year throughout the Forecast Period as shown in Table 3-1. Based on these assumptions, system revenues at adopted rates are estimated to increase from approximately \$1.7 million to \$1.9 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 \$15,000 per year and interest earnings on unrestricted fund balances are estimated to average approximately \$1,600 per year.

##### OPERATING AND MAINTENANCE EXPENSES

The Fiscal Year 2019 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 2019 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 2019 operating budget of \$1.8 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 \$66,000 and \$4,800 annually, respectively. Operation and maintenance expenses are projected to increase by an annual average of approximately 4.05% per year from Fiscal Year 2019 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 – 3.0% per Year
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 2019 – 2024 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 \$7.9 million capital projects. The financial forecast assumes that the anticipated 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, proposed senior lien debt, and proposed capital leases the annual debt service payments to be funded from rates is approximately \$58,000 per year, increasing to \$234,000 over the Forecast Period. The proposed senior lien debt is the stormwater system's 15% funding allocation of the public works building and is estimated to be approximately \$111,000 per year starting in 2023. Capital lease payments for the Menzi Tractor are projected to begin in Fiscal Year 2021 and will be approximately \$82,000 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 \$136,000 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. 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 sanitation 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. The City will fund approximately \$4,800 per year from rates to keep the Charter Reserve in compliance with the 15% balance requirement (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 \$1.0 million in the operating fund, as shown in Table 3-10, which meets all internal City policy requirements and targets.

## **CONCLUSIONS AND RECOMMENDATIONS**

Based on the projected operating expenditure needs of the stormwater system and the projected funding plan for the CIP, it is estimated that the rate increases adopted previously will be more than sufficient and the rate increase for 2020 can be lowered, as shown in Tables 3-11 through 3-13. The projected operating results set forth herein assume the adoption of the newly proposed

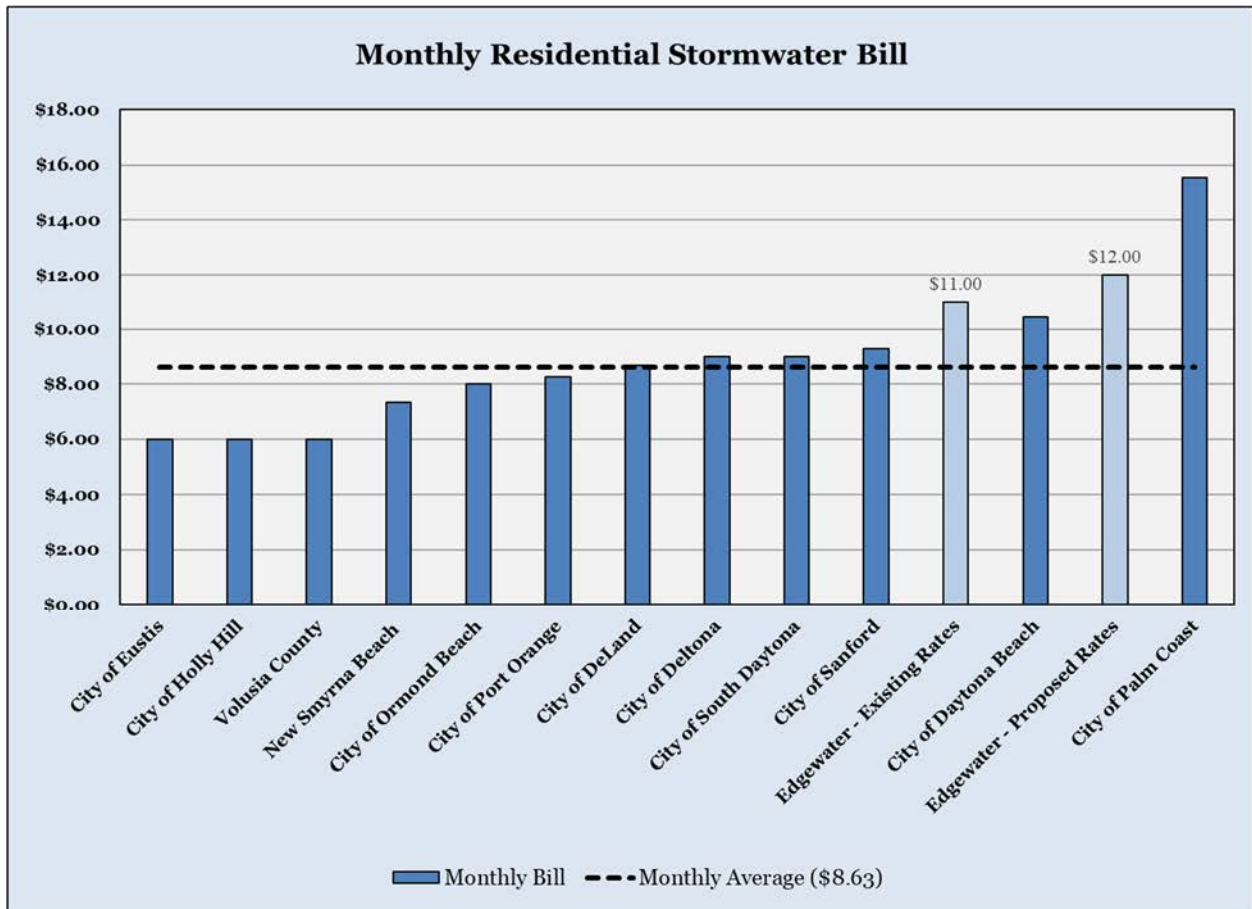
rate adjustments. Below is a summary of the proposed rate adjustments, along with certain projected financial operating results.

**Summary of Projected Rate Adjustments and Key Operating Results**

Description	Fiscal Year Ending September 30,					
	2019	2020	2021	2022	2023	2024
Previously Recommended Rate Adjustments	10.00%	13.64%	8.00%	7.41%	6.90%	N/A
Proposed Stormwater Rate Adjustments	N/A [*]	9.09%	8.33%	7.69%	7.14%	6.67%
System Revenue Surplus/(Deficiency)	\$41,640	(\$26,133)	(\$256,814)	\$38,897	\$17,275	\$167,474
Operating Fund (Ending Balance)	\$1,275,411	\$1,249,279	\$769,864	\$808,761	\$826,037	\$993,511
Days of Cash (Target of 90-120 Days of Rate Revenue)	246	220	125	121	115	129
Charter Reserve Fund (Ending Balance)	\$269,554	\$574,639	\$279,730	\$284,826	\$289,926	\$295,032
Senior Lien Debt Service Coverage (Test 1.00)	N/A	N/A	N/A	N/A	10.40	11.52
Subordinate Lien Debt Service Coverage (Test 1.15)	11.21	13.36	6.46	7.84	7.85	9.40
All-In Debt Service Coverage (Target 1.50)	11.21	13.36	6.46	7.84	4.77	5.48

[\*] Rates were adjusted at the beginning of Fiscal Year 2019 by 10%.

As shown below and on Table 3-13, bills under the proposed Fiscal Year 2020 stormwater rates are above average when compared to the surveyed, neighboring utilities' average.



**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
<b><u>Residential Class</u></b>												
1	Account Growth	N/A	0	64	(6)	(6)	25	25	25	25	25	25
2	Average Monthly Accounts	9,426	9,426	9,490	9,484	9,478	9,503	9,528	9,553	9,578	9,603	9,628
3	Average Equivalent Dwelling Units	9,426	9,426	9,490	9,484	9,478	9,503	9,528	9,553	9,578	9,603	9,628
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
<b><u>Commercial and Non-Residential</u></b>												
<b><u>Residential Multi-Family</u></b>												
5	Account Growth	N/A	0	0	0	1	0	0	0	0	0	0
6	Average Monthly Accounts	50	50	50	50	51	51	51	51	51	51	51
7	Average Equivalent Dwelling Units	606	606	606	611	1,372	1,372	1,372	1,372	1,372	1,372	1,372
8	Equivalent Dwelling Units (EDUs) Per Account	12.12	12.12	12.12	12.22	26.90	26.90	26.90	26.90	26.90	26.90	26.90
<b><u>Commercial (Without Site Mitigation)</u></b>												
9	Account Growth	N/A	0	1	14	(1)	5	5	5	5	5	5
10	Average Monthly Accounts	249	249	250	265	264	269	274	279	284	289	294
11	Average Equivalent Dwelling Units	1,576	1,576	1,583	1,674	1,670	1,702	1,733	1,765	1,797	1,828	1,860
12	Equivalent Dwelling Units (EDUs) Per Account	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33	6.33
<b><u>Commercial (With Site Mitigation)</u></b>												
13	Account Growth	N/A	0	1	11	(0)	0	0	0	0	0	0
14	Average Monthly Accounts	185	185	186	196	196	196	196	196	196	196	196
15	Average Equivalent Dwelling Units	3,660	3,660	3,677	3,887	3,879	3,879	3,879	3,879	3,879	3,879	3,879
16	Equivalent Dwelling Units (EDUs) Per Account	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79	19.79
17	Total Multi Family and Commercial EDUs	5,841	5,841	5,865	6,172	6,921	6,953	6,984	7,016	7,048	7,079	7,111
<b><u>Summary:</u></b>												
18	Account Growth	N/A	0	66	19	(6)	30	30	30	30	30	30
19	Total Accounts	9,910	9,910	9,976	9,995	9,989	10,019	10,049	10,079	10,109	10,139	10,169
20	Total Equivalent Dwelling Units	15,267	15,267	15,355	15,656	16,399	16,456	16,512	16,569	16,626	16,682	16,739
21	Equivalent Dwelling Units (EDUs) Per Account	1.54	1.54	1.54	1.57	1.64	1.64	1.64	1.64	1.64	1.65	1.65

**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 2018			Fiscal Year Ending September 30																	
		Rate	Total Annual Determinants	Calculated Revenue	2019			2020			2021			2022			2023			2024		
					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
<u>Residential Stormwater Service</u>																						
1	Base Fee	\$5.44	113,736	\$618,724	\$5.98	114,036	\$681,935	\$5.98	114,336	\$683,729	\$5.98	114,636	\$685,523	\$5.98	114,936	\$687,317	\$5.98	115,236	\$689,111	\$5.98	115,536	\$690,905
2	Total Base Fee Revenue			\$618,724			\$681,935			\$683,729			\$685,523			\$687,317			\$689,111			\$690,905
3	Assessment Fee	\$4.56	113,736	\$518,636	\$5.02	114,036	\$572,461	\$5.02	114,336	\$573,967	\$5.02	114,636	\$575,473	\$5.02	114,936	\$576,979	\$5.02	115,236	\$578,485	\$5.02	115,536	\$579,991
4	Total Assessment Fee Revenue			\$518,636			\$572,461			\$573,967			\$575,473			\$576,979			\$578,485			\$579,991
5	Total Residential Revenue			\$1,137,360			\$1,254,396			\$1,257,696			\$1,260,996			\$1,264,296			\$1,267,596			\$1,270,896
<u>Residential Multi-Family Stormwater Service</u>																						
6	Base Fee	\$5.44	16,464	\$89,564	\$5.98	16,464	\$98,455	\$5.98	16,464	\$98,455	\$5.98	16,464	\$98,455	\$5.98	16,464	\$98,455	\$5.98	16,464	\$98,455	\$5.98	16,464	\$98,455
7	Total Base Fee Revenue			\$89,564			\$98,455			\$98,455			\$98,455			\$98,455			\$98,455			\$98,455
8	Assessment Fee	\$4.56	16,464	\$75,076	\$5.02	16,464	\$82,649	\$5.02	16,464	\$82,649	\$5.02	16,464	\$82,649	\$5.02	16,464	\$82,649	\$5.02	16,464	\$82,649	\$5.02	16,464	\$82,649
9	Total Assessment Fee Revenue			\$75,076			\$82,649			\$82,649			\$82,649			\$82,649			\$82,649			\$82,649
10	Total Residential Multi Family Revenue			\$164,640			\$181,104			\$181,104			\$181,104			\$181,104			\$181,104			\$181,104
<u>Commercial Stormwater Service</u>																						
11	Base Fee	\$10.00	20,040	\$200,400	\$11.00	20,420	\$224,615	\$11.00	20,799	\$228,790	\$11.00	21,179	\$232,965	\$11.00	21,558	\$237,140	\$11.00	21,938	\$241,315	\$11.00	22,317	\$245,490
12	Total Base Fee Revenue			\$200,400			\$224,615			\$228,790			\$232,965			\$237,140			\$241,315			\$245,490
<u>Non-Residential Stormwater Service</u>																						
13	Base Fee	\$4.56	46,548	\$212,259	\$5.02	46,548	\$233,671	\$5.02	46,548	\$233,671	\$5.02	46,548	\$233,671	\$5.02	46,548	\$233,671	\$5.02	46,548	\$233,671	\$5.02	46,548	\$233,671
14	Total Base Fee Revenue			\$212,259			\$233,671			\$233,671			\$233,671			\$233,671			\$233,671			\$233,671
15	Total Commercial / Non-Residential Service			\$412,659			\$458,286			\$462,461			\$466,636			\$470,811			\$474,986			\$479,161
16	Subtotal Stormwater Rate Revenue			\$1,714,659			\$1,893,786			\$1,901,261			\$1,908,736			\$1,916,211			\$1,923,686			\$1,931,161
17	Revenue Adjustments = 0.00%			\$0			\$0			\$0			\$0			\$0			\$0			\$0
18	Total Stormwater Rate Revenue			\$1,714,659			\$1,893,786			\$1,901,261			\$1,908,736			\$1,916,211			\$1,923,686			\$1,931,161
19	Stormwater Base Fee			\$1,120,947			\$1,238,676			\$1,244,645			\$1,250,614			\$1,256,583			\$1,262,552			\$1,268,521
20	Stormwater Assessment Fee			\$593,712			\$655,110			\$656,616			\$658,122			\$659,628			\$661,134			\$662,640
21	Total			\$1,714,659			\$1,893,786			\$1,901,261			\$1,908,736			\$1,916,211			\$1,923,686			\$1,931,161

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

**Projection of Other Operating Revenues**

Line No.	Code	Description	Budgeted	Adjustments	Adjusted	Escalation Reference	Projected 2020	Fiscal Year Ending September 30th,			
			FY 2019		2019			2021	2022	2023	2024
<b>Stormwater System</b>											
1	448-0000-322.50-10	Culvert - Driveway	\$13,000	\$0	\$13,000	Constant	\$13,000	\$13,000	\$13,000	\$13,000	\$13,000
2	448-0000-331.50-00	FEMA Reimbursement	0	0	0	Eliminate	0	0	0	0	0
3	448-0000-343.66-10	Stormwater	1,709,567	(1,709,567)	0	Eliminate	0	0	0	0	0
4	448-0000-361.10-10	Interest	500	(500)	0	Eliminate	0	0	0	0	0
5	448-0000-361.10-12	Internal Loan	0	0	0	Eliminate	0	0	0	0	0
6	448-0000-365.10-00	Sales / Surplus	3,000	(3,000)	0	Eliminate	0	0	0	0	0
7	448-0000-369.90-10	Miscellaneous Revenue	1,980	0	1,980	Constant	1,980	1,980	1,980	1,980	1,980
8	448-0000-369.90-20	Retirement Forfeitures	0	0	0	Constant	0	0	0	0	0
9	448-0000-381.04-49	Stormwater Capital	0	0	0	Eliminate	0	0	0	0	0
10	448-0000-369.10-01	General Fund	0	0	0	Eliminate	0	0	0	0	0
11	448-0000-384.06-01	Capital Improvement Note 2017	0	0	0	Eliminate	0	0	0	0	0
12	448-0000-389.04-1	Proceeds from L/T Debt	0	0	0	Eliminate	0	0	0	0	0
13	448-0000-389.90-12	Unreserved Proprietary	40,408	(40,408)	0	Eliminate	0	0	0	0	0
14		Total Other Operating Revenue	<u>\$1,768,455</u>	<u>(\$1,753,475)</u>	<u>\$14,980</u>		<u>\$14,980</u>	<u>\$14,980</u>	<u>\$14,980</u>	<u>\$14,980</u>	<u>\$14,980</u>

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

**Fiscal Year 2019 Operating Budget [1]**

Line No.	Cost ID Code	Description	Budget 2019	Adjustments	Adjusted 2019
<b>Operations</b>					
<b>Environmental Services</b>					
1	448-4070-538.12-10	Regular Salaries and Wages	\$497,363	\$0	\$497,363
2	AddPer	Additional Personnel	0	0	0
3	448-4070-538.14-10	Overtime	9,073	0	9,073
4	448-4070-538.15-30	Cell Phone	952	0	952
5	448-4070-538.15-60	Boot Allowance	1,375	0	1,375
6	448-4070-538.21-10	FICA Taxes	26,152	0	26,152
7	448-4070-538.21-20	Medicare	6,116	0	6,116
8	448-4070-538.22-10	Retirement Contributions	21,308	0	21,308
9	448-4070-538.22-20	DCSE	47,205	0	47,205
10	448-4070-538.23-10	Life Insurance	1,686	0	1,686
11	448-4070-538.23-20	Group Medical Insurance	139,488	0	139,488
12	448-4070-538.23-21	HSA Employer Contribution	1,300	0	1,300
13	448-4070-538.23-22	HRA Employer Contribution	1,750	0	1,750
14	448-4070-538.23-30	Dental Insurance	4,808	0	4,808
15	448-4070-538.23-40	Long Term Disability	3,209	0	3,209
16	448-4070-538.23-60	Broker & Admin. Fees	3,361	0	3,361
17	448-4070-538.23-90	OPEB	0	3,980	3,980
18	448-4070-538.24-10	Worker's Compensation	16,494	0	16,494
19	448-4070-538.34-10	Other Contractual Services	11,245	0	11,245
20	448-4070-538.40-10	Travel & Per Diem	805	0	805
21	448-4070-538.41-10	Legal Ads	585	0	585
22	448-4070-538.41-40	Postage	12,000	0	12,000
23	448-4070-538.43-10	Electric	1,700	0	1,700
24	448-4070-538.44-10	Rent	1,100	0	1,100
25	448-4070-538.46-10	Repair and Maintenance	32,000	0	32,000
26	448-4070-538.46-20	Fleet Charges	126,176	0	126,176
27	448-4070-538.47-10	Printing and Binding	100	0	100
28	448-4070-538.48-10	Promotional Activities	12,540	0	12,540
29	448-4070-538.49-01	Cost Allocation	108,710	0	108,710
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]	100,864	(100,864)	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	27,142	0	27,142
36	448-4070-538.52-30	Uniforms	2,200	0	2,200
37	448-4070-538.54-10	Books, Pubs, Subs, and Mem	0	0	0
38	448-4070-538.54-20	Educational Development	1,425	0	1,425
39		Total Environmental Services	\$1,241,782	(\$96,884)	\$1,144,898
<b>Non-Departmental Services</b>					
40	448-5555-580.22-10	Retirement Contributions	\$27,212	\$0	\$27,212
41	448-5555-580.23-80	PTO Expense	0	0	0
42	448-5555-580.31-10	Professional Services	11,033	0	11,033
43	448-5555-580.45-10	General Liability	2,444	0	2,444
44	448-5555-580.45-15	Property	7,842	0	7,842
45	448-5555-580.45-20	Public Officials	1,943	0	1,943
46	448-5555-580.45-25	Automobile	2,662	0	2,662
44	448-5555-580.72-40	Veh Lse 2016 Amer Cap Svc [3]	7,418	(7,418)	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]	111,000	(111,000)	0

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

**Fiscal Year 2019 Operating Budget [1]**

Line No.	Cost ID Code	Description	Budget 2019	Adjustments	Adjusted 2019
52	448-5555-580.64-20	Motor Vehicles [3]	8,000	(8,000)	0
53	448-5555-580.71-28	BBT Cap Imp Rev Note 2014 [3]	42,985	(42,985)	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]	622	(622)	0
55	448-5555-580.72-28	BBT Cap Imp Rev Note 2014 [3]	6,154	(6,154)	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	\$229,315	(\$176,179)	\$53,136
		<b>Other Adjustments</b>			
59	448-5555-581.04-44	Renewal & Replacement [3]	\$212,500	(\$212,500)	\$0
60	448-5555-581.04-49	Stormwater Capital [3]	0	0	0
61	448-5555-581.05-01	Public Works Complex - Debt Service Payment [3]	0	0	0
62	448-5555-581.04-50	MIS	4,400	0	4,400
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	80,458	(80,458)	0
65	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [4]	0	4,734	4,734
66	Contingency	Operating Contingency - 5.00% of O&M [5]	0	60,122	60,122
67	Other	Other Adjustment	0	0	0
68		Total Other Adjustments	\$297,358	(\$228,102)	\$69,256
69		<b>Total Stormwater Expenses</b>	<b>\$1,768,455</b>	<b>(\$501,165)</b>	<b>\$1,267,290</b>

**Footnotes:**

- [1] Budgeted amounts are based on Fiscal Year 2019 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		Adjusted 2020	Fiscal Year Ending September 30,			
			2019	Escalation		2021	2022	2023	2024
<b>Operations</b>									
<b>Environmental Services</b>									
<b>Personnel Expenses</b>									
1	448-4070-538.12-10	Regular Salaries and Wages	\$497,363	Labor	\$512,284	\$527,652	\$543,482	\$559,786	\$576,580
2	AddPer	Additional Personnel	0	Input	0	0	0	0	0
3	448-4070-538.14-10	Overtime	9,073	Labor	9,345	9,626	9,914	10,212	10,518
4	448-4070-538.15-30	Cell Phone	952	Inflation	975	1,000	1,025	1,051	1,076
5	448-4070-538.15-60	Boot Allowance	1,375	Inflation	1,408	1,445	1,481	1,518	1,554
6	448-4070-538.21-10	FICA Taxes	26,152	Labor	26,937	27,745	28,577	29,434	30,317
7	448-4070-538.21-20	Medicare	6,116	Labor	6,299	6,488	6,683	6,884	7,090
8	448-4070-538.22-10	Retirement Contributions	21,308	Labor	21,947	22,606	23,284	23,982	24,702
9	448-4070-538.22-20	DCSE	47,205	Labor	48,621	50,080	51,582	53,130	54,724
10	448-4070-538.23-10	Life Insurance	1,686	General-Ins	1,770	1,859	1,952	2,049	2,152
11	448-4070-538.23-20	Group Medical Insurance	139,488	Ins-Health	153,437	168,780	185,659	204,224	224,647
12	448-4070-538.23-21	HSA Employer Contribution	1,300	Ins-Health	1,430	1,573	1,730	1,903	2,094
13	448-4070-538.23-22	HRA Employer Contribution	1,750	Ins-Health	1,925	2,118	2,329	2,562	2,818
14	448-4070-538.23-30	Dental Insurance	4,808	Ins-Health	5,289	5,818	6,399	7,039	7,743
15	448-4070-538.23-40	Long Term Disability	3,209	Labor	3,305	3,404	3,507	3,612	3,720
16	448-4070-538.23-60	Broker & Admin. Fees	3,361	Labor	3,462	3,566	3,673	3,783	3,896
17	448-4070-538.23-90	OPEB	3,980	Labor	4,100	4,223	4,349	4,480	4,614
18	448-4070-538.24-10	Worker's Compensation	16,494	Labor	16,899	17,498	18,023	18,564	19,121
19	448-4070-538.34-10	Other Contractual Services	11,245	Contractual	11,695	12,163	12,649	13,155	13,681
20	448-4070-538.40-10	Travel & Per Diem	805	Inflation	824	846	867	889	910
21	448-4070-538.41-10	Legal Ads	585	Inflation	599	615	630	646	661
22	448-4070-538.41-40	Postage	12,000	Inflation	12,288	12,607	12,923	13,246	13,564
23	448-4070-538.43-10	Electric	1,700	Electricity	1,785	1,874	1,968	2,066	2,170
24	448-4070-538.44-10	Rent	1,100	Inflation	1,126	1,156	1,185	1,214	1,243
25	448-4070-538.46-10	Repair and Maintenance	32,000	Repair	32,960	33,949	34,967	36,016	37,097
26	448-4070-538.46-20	Fleet Charges	126,176	Repair	129,961	133,860	137,876	142,012	146,273
27	448-4070-538.47-10	Printing and Binding	100	Inflation	102	105	108	110	113
28	448-4070-538.48-10	Promotional Activities	12,540	Inflation	12,841	13,175	13,504	13,842	14,174
29	448-4070-538.49-01	Cost Allocation	108,710	Labor	111,971	115,330	118,790	122,354	126,025
30	448-4070-538.49-10	Other Charges/Obligations	10,800	Inflation	11,059	11,347	11,630	11,921	12,207
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	512	525	538	552	565
34	448-4070-538.52-10	Operating Supplies	10,250	Inflation	10,496	10,769	11,038	11,314	11,586
35	448-4070-538.52-20	Unleaded & Diesel	27,142	Fuel	28,499	29,924	31,420	32,991	34,641
36	448-4070-538.52-30	Uniforms	2,200	Inflation	2,253	2,311	2,369	2,428	2,487
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	1,425	Inflation	1,459	1,497	1,535	1,573	1,611
39		<b>Total Environmental Services</b>	<b>\$1,144,898</b>		<b>\$1,189,955</b>	<b>\$1,237,533</b>	<b>\$1,287,647</b>	<b>\$1,340,544</b>	<b>\$1,396,373</b>
<b>Non-Departmental Services</b>									
40	448-5555-580.22-10	Retirement Contributions	\$27,212	Labor	\$28,028	\$28,869	\$29,735	\$30,627	\$31,546
41	448-5555-580.23-80	PTO Expense	0	Labor	0	0	0	0	0
42	448-5555-580.31-10	Professional Services	11,033	Contractual	11,474	11,933	12,411	12,907	13,423
43	448-5555-580.45-10	General Liability	2,444	General-Ins	2,566	2,695	2,829	2,971	3,119
44	448-5555-580.45-15	Property	7,842	General-Ins	8,234	8,646	9,078	9,532	10,009
45	448-5555-580.45-20	Public Officials	1,943	Inflation	1,990	2,041	2,092	2,145	2,196
46	448-5555-580.45-25	Automobile	2,662	General-Ins	2,795	2,935	3,082	3,236	3,397
47	448-5555-580.49-50	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
48	448-5555-580.49-60	Write Off	0	Inflation	0	0	0	0	0
49	448-5555-580.49-60	Hurricane Expense	0	Eliminate	0	0	0	0	0
50	448-5555-580.59-10	Depreciation	0	Eliminate	0	0	0	0	0
51	448-5555-580.61-10	Land [3]	0	Eliminate	0	0	0	0	0
52	448-5555-580.64-10	Machinery and Equipment [3]	0	Eliminate	0	0	0	0	0
53	448-5555-580.64-20	Motor Vehicles [3]	0	Eliminate	0	0	0	0	0
54	448-5555-580.71-28	BBT Cap Imp Rev Note 2014 [3]	0	Eliminate	0	0	0	0	0
55	448-5555-580.71-40	Veh Lse 2016 Amer Cap Svc	0	Eliminate	0	0	0	0	0
56	448-5555-580.72-28	BBT Cap Imp Rev Note 2014 [3]	0	Eliminate	0	0	0	0	0
57	448-5555-580.73-42	BBT Cap Imp Rev Note SRS 2014 [3]	0	Eliminate	0	0	0	0	0
56		<b>Total Non-Departmental Services</b>	<b>\$53,136</b>		<b>\$55,088</b>	<b>\$57,119</b>	<b>\$59,227</b>	<b>\$61,417</b>	<b>\$63,691</b>
<b>Other Adjustments</b>									
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	4,400	Inflation	4,506	4,623	4,738	4,857	4,973
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
63	448-5555-589.50-50	Charter Reserve/Stabalization	0	Eliminate	0	0	0	0	0
64	BadDebt	Bad Debt Expense - 0.25% of Rate Revs. [4]	4,734	Input	4,753	4,772	4,791	4,809	4,828
65	Contingency	Operating Contingency - 5.00% of O&M [5]	60,122	Input	62,477	64,964	67,581	70,341	73,252
65	Other	Other Adjustment	0	Input	0	0	0	0	0
66		<b>Total Other Adjustments</b>	<b>\$69,256</b>		<b>\$71,736</b>	<b>\$74,358</b>	<b>\$77,109</b>	<b>\$80,007</b>	<b>\$83,053</b>
67		<b>Total Stormwater Expenses</b>	<b>\$1,267,290</b>		<b>\$1,316,778</b>	<b>\$1,369,011</b>	<b>\$1,423,984</b>	<b>\$1,481,968</b>	<b>\$1,543,117</b>

## 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&amp;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,				
			2020	2021	2022	2023	2024
1	General Inflation (CPI) [1][2]	Inflation	1.0240	1.0260	1.0250	1.0250	1.0240
2	Labor [2]	Labor	1.0300	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 2019 - 2029" published by the Congressional Budget Office in January 2019.

[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
				2019	2020	2021	2022	2023	
<b>CIP Escalation Factor Alternatives</b>									
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
<b>Stormwater System Capital Expenditures:</b>									
6	Acquisition of 125 Cheeta Drive	ENR	Rates	\$62,500	\$0	\$0	\$0	\$0	\$62,500
7	Acquisition of 125 Cheeta Drive II	ENR	G	0	0	0	0	0	0
8	Baffle Box on 18th Canal	ENR	Rates	0	0	0	0	63,250	63,250
9	Baffle Box on 18th Canal	ENR	G	0	0	0	0	569,250	569,250
10	East Palm Way Stormwater Improvements	ENR	Rates	0	0	0	0	35,190	35,190
11	East Palm Way Stormwater Improvements	ENR	G	0	0	0	0	316,710	316,710
12	East Pine Bluff Storm Improvements	ENR	Rates	0	0	125,193	0	0	125,193
13	East Pine Bluff Storm Improvements II	ENR	G	0	0	125,193	0	0	125,193
14	Evergreen Avenue Stormwater Improvements	ENR	Rates	0	0	0	0	30,820	30,820
15	Evergreen Avenue Stormwater Improvements II	ENR	G	0	0	0	0	277,380	277,380
16	Excavator (Rubber Tire)	ENR	Rates	0	108,150	0	0	0	108,150
17	Excavator (Rubber Tire) II	ENR	G	0	0	0	0	0	0
18	Hart Avenue Stormwater Improvements	ENR	Rates	44,482	463,500	0	0	0	507,982
19	Hart Avenue Stormwater Improvements II	ENR	G	0	0	0	0	0	0
20	Hotel Dr Stormwater Improvements	ENR	Rates	0	0	0	0	173,777	173,777
21	Hotel Dr Stormwater Improvements II	ENR	G	0	0	0	0	173,777	173,777
22	IRB East & Virginia St Improvements Stormwater	ENR	Rates	0	0	0	0	0	0
23	IRB East & Virginia St Improvements Stormwater II	ENR	G	0	0	0	0	0	0
24	New Hampshire/Fernald Stormwater Improvements	ENR	Rates	0	0	71,020	0	0	71,020
25	New Hampshire/Fernald Stormwater Improvements II	ENR	G	0	0	34,980	0	0	34,980
26	New York Street Storm Improvements	ENR	Rates	0	0	0	120,432	0	120,432
27	New York Street Storm Improvements II	ENR	G	0	0	0	59,317	0	59,317
28	Plaza & Hubbell Storm Improvement	ENR	Rates	0	0	154,760	0	0	154,760
29	Plaza & Hubbell Storm Improvement II	ENR	G	0	0	154,760	0	0	154,760
30	Stormwater Canal Rehabilitation: FL Shores (Phase 1)	ENR	Rates	0	0	318,000	327,000	336,000	345,000
31	Stormwater Canal Rehabilitation: FL Shores (Phase 1) II	ENR	G	0	0	0	0	0	0
32	Turgot/Fernald Stormwater Improvements	ENR	Rates	0	0	0	43,600	0	43,600
33	Turgot/Fernald Stormwater Improvements II	ENR	G	0	0	0	392,400	0	392,400
34	Unspecified Capital Outlay-Stormwater	ENR	Rates	0	0	53,000	54,500	56,000	57,500
35	Unspecified Capital Outlay-Stormwater II	ENR	G	0	0	0	0	0	0
36	Public Works Building	ENR	Op Res	0	0	222,600	0	0	222,600
37	Public Works Building II	ENR	ND1	0	0	0	0	1,293,600	1,293,600
38	Capital Outlay	Outlay	Rates	\$119,000	\$43,470	\$160,500	\$166,500	\$172,500	\$178,500
39	Menzi Tractor	Outlay	JD2	0	0	374,500	0	0	374,500
40	Other Additional Capital Outlay	Outlay	Rates	0	0	0	0	0	0
41	Other Additional Capital Outlay	Outlay	Rates	0	0	0	0	0	0
42	<b>Total Stormwater System Capital Expenditures</b>			<b>\$225,982</b>	<b>\$615,120</b>	<b>\$1,794,506</b>	<b>\$1,163,748</b>	<b>\$2,205,653</b>	<b>\$1,873,600</b>
43				\$119,000					
<b>Funding Source Summary</b>									
44	Operating Reserves		Op Res	\$0	\$0	\$222,600	\$0	\$0	\$222,600
45	Stormwater Rate Revenue		Rates	225,982	615,120	882,473	712,032	738,277	3,884,144
46	Renewal and Replacement		RR	0	0	0	0	0	0
47	Grant Funding		G	0	0	314,933	451,717	173,777	2,103,766
48	Existing Debt Proceeds		ExistingDebt	0	0	0	0	0	0
49	New Senior Lien Debt 1		ND1	0	0	0	0	1,293,600	1,293,600
50	New Senior Lien Debt 2		ND2	0	0	0	0	0	0
51	New Senior Lien Debt 3		ND3	0	0	0	0	0	0
52	New Senior Lien Debt 4		ND4	0	0	0	0	0	0
53	New Subordinate Lien Debt 1		JD1	0	0	0	0	0	0
54	New Subordinate Lien Debt 2		JD2	0	0	374,500	0	0	374,500
55	New Subordinate Lien Debt 3		JD3	0	0	0	0	0	0
56	New Subordinate Lien Debt 4		JD4	0	0	0	0	0	0
57	Other Funding Sources (Gen. Fund etc.)		Other	0	0	0	0	0	0
58	<b>Total Funding Sources</b>			<b>\$225,982</b>	<b>\$615,120</b>	<b>\$1,794,506</b>	<b>\$1,163,748</b>	<b>\$2,205,653</b>	<b>\$1,873,600</b>

## 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,					
		2019	2020	2021	2022	2023	2024
<b><u>STORMWATER SYSTEM</u></b>							
<u>Existing Debt:</u>							
1	Capital Improvement Revenue Note, Series 2014	\$49,335	\$49,911	\$50,056	\$49,671	\$49,546	\$41,105
2	Capital Improvement Revenue Note, Series 2015	0	0	0	0	0	0
3	Vehicle Lease 2016 Amer Cap Svc	8,040	8,040	8,040	201	0	0
4	Total Existing Debt Payments	<u>\$57,375</u>	<u>\$57,951</u>	<u>\$58,096</u>	<u>\$49,872</u>	<u>\$49,546</u>	<u>\$41,105</u>
<u>Proposed Senior Lien Debt:</u>							
5	New Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$111,294	\$111,294
6	New Senior Lien Debt 2	0	0	0	0	0	0
7	New Senior Lien Debt 3	0	0	0	0	0	0
8	New Senior Lien Debt 4	0	0	0	0	0	0
9	Total Proposed Senior Lien Debt Service Payments	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$0</u>	<u>\$111,294</u>	<u>\$111,294</u>
<u>Proposed Junior Lien Debt:</u>							
10	New Subordinate Lien Debt 1	\$0	\$0	\$0	\$0	\$0	\$0
11	New Subordinate Lien Debt 2	\$0	\$0	\$81,681	\$81,681	\$81,681	\$81,681
12	New Subordinate Lien Debt 3	0	0	0	0	0	0
13	New Subordinate Lien Debt 4	0	0	0	0	0	0
14	Total Proposed Junior Lien Debt Service Payments	<u>\$0</u>	<u>\$0</u>	<u>\$81,681</u>	<u>\$81,681</u>	<u>\$81,681</u>	<u>\$81,681</u>
15	Total Stormwater Debt Service Payments	<u><u>\$57,375</u></u>	<u><u>\$57,951</u></u>	<u><u>\$139,777</u></u>	<u><u>\$131,553</u></u>	<u><u>\$242,521</u></u>	<u><u>\$234,079</u></u>

**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,					
		2019	2020	2021	2022	2023	2024
<b>PILOFF - Stormwater</b>							
1	Current Year Rate Revenues	\$1,893,786	\$2,074,103	\$2,255,779	\$2,438,814	\$2,623,208	\$2,808,961
2	PILOFF Percentage	5.33%	5.90%	5.90%	5.90%	5.90%	5.90%
3	PILOFF - Stormwater [1]	\$100,864	\$122,372	\$133,091	\$143,890	\$154,769	\$165,729
4	Total PILOFF	<u>\$100,864</u>	<u>\$122,372</u>	<u>\$133,091</u>	<u>\$143,890</u>	<u>\$154,769</u>	<u>\$165,729</u>
<b>Charter Reserve Transfer</b>							
5	Charter Reserve Transfer	\$4,813	\$4,813	\$4,813	\$4,813	\$4,813	\$4,813
6	Total Transfers	<u>\$105,677</u>	<u>\$127,186</u>	<u>\$137,904</u>	<u>\$148,704</u>	<u>\$159,583</u>	<u>\$170,542</u>

Footnotes:

[1] Amounts reflect fund transfers budgeted in the Fiscal Year 2019 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.					
		2019	2020	2021	2022	2023	2024
<b><u>Year End Cash Balances Roll-Up</u></b>							
1	Operating Fund (448)	\$1,275,411	\$1,249,279	\$769,864	\$808,761	\$826,037	\$993,511
2	Capital Fund	270,565	270,565	270,565	270,565	270,565	270,565
3	Charter Reserve Fund	269,554	274,639	279,730	284,826	289,926	295,032
4	Existing Construction Fund	0	0	0	0	0	0
5	Proposed Debt Construction Fund	0	0	0	0	0	0
6	Debt Service Reserve Fund	0	0	0	0	0	0
7	Total Ending Cash Balance	\$1,815,530	\$1,794,483	\$1,320,159	\$1,364,152	\$1,386,528	\$1,559,108
<b><u>Operating/General Revenue Account</u></b>							
8	Beginning Balance	\$1,230,772	\$1,275,411	\$1,249,279	\$769,864	\$808,761	\$826,037
9	Transfer In - Stormwater Revenue	1,893,786	2,074,103	2,255,779	2,438,814	2,623,208	2,808,961
10	Transfer In - R&R Fund	0	0	0	0	0	0
11	Transfer In - Stormwater Capital Fund	0	0	0	0	0	0
12	Transfer In - Existing Construction Fund	0	0	0	0	0	0
13	Transfer In - Debt Service Reserve	0	0	0	0	0	0
14	Transfers In - Grant Reimbursements / Sale of Surplus	3,000	0	0	0	0	0
15	Transfers Out - Revenue Requirements	1,852,146	2,100,236	2,512,593	2,399,917	2,605,933	2,641,488
16	Transfers Out - Capital Improvements	0	0	222,600	0	0	0
17	Transfers Out - R&R Fund	0	0	0	0	0	0
18	Transfers Out - Stormwater Capital Fund	212,500	0	0	0	0	0
19	Transfers Out - Existing Construction Fund	0	0	0	0	0	0
20	Transfers In (Out)	212,500	0	0	0	0	0
21	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
22	Interest Income	1,253	1,262	1,010	789	817	910
	Recognition of Interest Earnings						
	in Revenue Requirements	1,253	1,262	1,010	789	817	910
24	Ending Balance	1,275,411	1,249,279	769,864	808,761	826,037	993,511
25	Target Days of Available Cash: 60 Days of Revenue	311,307	340,948	370,813	400,901	431,212	461,747
26	Calculated Days of Available Cash (Revenue)	246	220	125	121	115	129
<b><u>Stormwater Capital Fund</u></b>							
27	Beginning Balance [1]	\$58,065	\$270,565	\$270,565	\$270,565	\$270,565	\$270,565
28	Transfers In - Operating Reserves	212,500	0	0	0	0	0
29	Transfers In - R&R Fund	0	0	0	0	0	0
30	Transfers Out - Operating Reserves	0	0	0	0	0	0
31	Transfers Out - R&R Fund	0	0	0	0	0	0
32	Transfers In (Out)	0	0	0	0	0	0
33	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
34	Interest Income	164	271	271	271	271	271
	Recognition of Interest Earnings						
	in Revenue Requirements	164	271	271	271	271	271
36	Ending Balance	270,565	270,565	270,565	270,565	270,565	270,565
<b><u>Charter Reserve Fund</u></b>							
37	Beginning Balance [1]	\$264,474	\$269,554	\$274,639	\$279,730	\$284,826	\$289,926
38	Transfers In - Operating Reserves	0	0	0	0	0	0
39	Transfers In - Charter Reserve Deposit	4,813	4,813	4,813	4,813	4,813	4,813
40	Transfers In - Stormwater Capital Fund	0	0	0	0	0	0
41	Transfers Out - Operating Reserves	0	0	0	0	0	0
42	Transfers Out - Stormwater Capital Fund	0	0	0	0	0	0
43	Transfers Out - Capital Improvements	0	0	0	0	0	0
44	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
45	Interest Income	267	272	277	282	287	292
	Recognition of Interest Earnings						
	in Revenue Requirements	0	0	0	0	0	0
47	Ending Balance	269,554	274,639	279,730	284,826	289,926	295,032
<b><u>Previously Issued Debt Construction Fund</u></b>							
48	Beginning Balance [1]	\$0	\$0	\$0	\$0	\$0	\$0
49	Transfers In - Operating Reserves	0	0	0	0	0	0
50	Transfers Out - Capital Improvements	0	0	0	0	0	0
51	Transfers Out - Operating Reserves	0	0	0	0	0	0
52	Transfers Out	0	0	0	0	0	0
53	Interest Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
54	Interest Income	0	0	0	0	0	0
	Recognition of Interest Earnings						
	in Revenue Requirements	0	0	0	0	0	0
56	Ending Balance	0	0	0	0	0	0
<b><u>Proposed Debt Construction Fund</u></b>							
57	Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0

**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.					
		2019	2020	2021	2022	2023	2024
58	Transfers In	0	0	0	0	1,293,600	0
59	Transfers Out	0	0	0	0	1,293,600	0
60	Interest Rate	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
61	Interest Income	0	0	0	0	0	0
62	Recognition of Interest Earnings in Revenue Requirements	0	0	0	0	0	0
63	Ending Balance	0	0	0	0	0	0
<b>Debt Service Sinking Fund</b>							
Annual Sinking Fund Deposit							
64	Total Debt Service	\$57,375	\$57,951	\$139,777	\$131,553	\$242,521	\$234,079
65	Average Balance (25% of annual debt service)	14,300	14,500	34,900	32,900	60,600	58,500
66	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
67	Interest Income	14	15	35	33	61	59
68	Recognition of Interest Earnings in Revenue Requirements	14	15	35	33	61	59
69	Ending Balance	43,075	43,451	104,877	98,653	181,921	175,579
<b>Debt Service Reserve Fund</b>							
70	Beginning Balance	\$0	\$0	\$0	\$0	\$0	\$0
71	Transfers in New Senior Lien Debt 1	0	0	0	0	0	0
72	Transfers in New Senior Lien Debt 2	0	0	0	0	0	0
73	Transfers in New Senior Lien Debt 3	0	0	0	0	0	0
74	Transfers in New Senior Lien Debt 4	0	0	0	0	0	0
75	Transfers Out	0	0	0	0	0	0
76	Interest Rate	0.10%	0.10%	0.10%	0.10%	0.10%	0.10%
77	Interest Income	0	0	0	0	0	0
78	Recognition of Interest Earnings in Revenue Requirements	0	0	0	0	0	0
79	Ending Balance	0	0	0	0	0	0
80	<b>Total Unrestricted Interest Income</b>	<u>\$1,699</u>	<u>\$1,819</u>	<u>\$1,592</u>	<u>\$1,375</u>	<u>\$1,436</u>	<u>\$1,531</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,					
		2019	2020	2021	2022	2023	2024
1	Operating Expenses [1]	\$1,267,290	\$1,316,778	\$1,369,011	\$1,423,984	\$1,481,968	\$1,543,117
	<u>Existing Debt Service [2]</u>						
2	Capital Improvement Revenue Note, Series 2014	\$49,335	\$49,911	\$50,056	\$49,671	\$49,546	\$41,105
3	Capital Improvement Revenue Note, Series 2015	0	0	0	0	0	0
4	Vehicle Lease 2016 Amer Cap Svc	8,040	8,040	8,040	201	0	0
5	Total Existing Debt	\$57,375	\$57,951	\$58,096	\$49,872	\$49,546	\$41,105
	<u>Proposed Debt Service [3]</u>						
6	New Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$111,294	\$111,294
7	New Senior Lien Debt 2	0	0	0	0	0	0
8	New Senior Lien Debt 3	0	0	0	0	0	0
9	New Senior Lien Debt 4	0	0	0	0	0	0
10	New Subordinate Lien Debt 1	0	0	0	0	0	0
11	New Subordinate Lien Debt 2	0	0	81,681	81,681	81,681	81,681
12	New Subordinate Lien Debt 3	0	0	0	0	0	0
13	New Subordinate Lien Debt 4	0	0	0	0	0	0
14	Total Proposed Debt	\$0	\$0	\$81,681	\$81,681	\$192,974	\$192,974
15	Total Debt Service	\$57,375	\$57,951	\$139,777	\$131,553	\$242,521	\$234,079
	<b><u>Other Revenue Requirements</u></b>						
16	Transfer to Operating Reserves	\$212,500	\$0	\$0	\$0	\$0	\$0
17	Cost Allocation	0	0	0	0	0	0
18	Payment In Lieu of Franchise Fee [4]	100,864	122,372	133,091	143,890	154,769	165,729
19	Transfer to Charter Reserve Fund	4,813	4,813	4,813	4,813	4,813	4,813
20	Capital Funded from Rates [5]	225,982	615,120	882,473	712,032	738,277	710,260
21	Total Other Revenue Requirements	\$544,160	\$742,306	\$1,020,378	\$860,735	\$897,860	\$880,802
22	Gross Revenue Requirements	\$1,868,825	\$2,117,035	\$2,529,165	\$2,416,272	\$2,622,349	\$2,657,999
	<u>Less Income and Funds from Other Sources</u>						
23	Other Operating Revenue [6]	\$14,980	\$14,980	\$14,980	\$14,980	\$14,980	\$14,980
24	Uses of Reserves	0	0	0	0	0	0
25	Unrestricted Interest Income [7]	1,699	1,819	1,592	1,375	1,436	1,531
26	Transfer from General Fund	0	0	0	0	0	0
27	<b>Net Revenue Requirements</b>	<b>\$1,852,146</b>	<b>\$2,100,236</b>	<b>\$2,512,593</b>	<b>\$2,399,917</b>	<b>\$2,605,933</b>	<b>\$2,641,488</b>
	<b><u>Revenue from Rates</u></b>						
	<u>Stormwater Base Fee</u>						
28	Stormwater Rate Revenue - Existing Rates	\$1,238,676	\$1,244,645	\$1,250,614	\$1,256,583	\$1,262,552	\$1,268,521
29	Prior Year Rate Adjustments	0	0	113,692	228,470	344,332	461,280
30	Total Rate Revenue Before Current Year Adjustment	\$1,238,676	\$1,244,645	\$1,364,306	\$1,485,053	\$1,606,884	\$1,729,801
	<u>Current Year Rate Adjustments - Base Fee</u>						
31	Current Year Rate Adjustments	0.0%	9.1%	8.3%	7.7%	7.1%	6.7%
32	Effective Month	October	October	October	October	October	October
33	% of Current Year Effective	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
34	Revenue From Current Year Rate Adjustments	\$0	\$113,150	\$113,692	\$114,235	\$114,777	\$115,320
35	Total Revenue from Rates - Base Fee	<b>\$1,238,676</b>	<b>\$1,357,795</b>	<b>\$1,477,998</b>	<b>\$1,599,287</b>	<b>\$1,721,662</b>	<b>\$1,845,121</b>
	<u>Stormwater Assessment Fee</u>						
36	Stormwater Rate Revenue - Existing Rates	\$655,110	\$656,616	\$658,122	\$659,628	\$661,134	\$662,640
37	Prior Year Rate Adjustments	0	0	59,829	119,932	180,309	240,960
38	Total Rate Revenue Before Current Year Adjustment	\$655,110	\$656,616	\$717,951	\$779,560	\$841,443	\$903,600



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

**Projected Stormwater System Revenue Requirements**

Line No.	Description	Fiscal Year Ending September 30,					
		2019	2020	2021	2022	2023	2024
<u>Current Year Rate Adjustments - Assessment Fee</u>							
39	Current Year Rate Adjustments	0.0%	9.1%	8.3%	7.7%	7.1%	6.7%
40	Effective Month	October	October	October	October	October	October
41	% of Current Year Effective	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
42	Revenue From Current Year Rate Adjustments	\$0	\$59,692	\$59,829	\$59,966	\$60,103	\$60,240
43	<b>Total Revenue from Rates - Assessment Fee</b>	<b>\$655,110</b>	<b>\$716,308</b>	<b>\$777,781</b>	<b>\$839,527</b>	<b>\$901,546</b>	<b>\$963,840</b>
<u>Combined Revenue from Rates</u>							
44	Stormwater Rate Revenue - Existing Rates	\$1,893,786	\$1,901,261	\$1,908,736	\$1,916,211	\$1,923,686	\$1,931,161
45	Prior Year Rate Adjustments	0	0	173,521	348,402	524,642	702,240
46	Total Rate Revenue Before Current Year Adjustment	\$1,893,786	\$1,901,261	\$2,082,257	\$2,264,613	\$2,448,328	\$2,633,401
<u>Current Year Rate Adjustments</u>							
47	Current Year Rate Adjustments	0.0%	9.1%	8.3%	7.7%	7.1%	6.7%
48	Effective Month	October	October	October	October	October	October
49	% of Current Year Effective	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
50	Revenue From Current Year Rate Adjustments	\$0	\$172,842	\$173,521	\$174,201	\$174,881	\$175,560
51	<b>Total Revenue from Rates</b>	<b>\$1,893,786</b>	<b>\$2,074,103</b>	<b>\$2,255,779</b>	<b>\$2,438,814</b>	<b>\$2,623,208</b>	<b>\$2,808,961</b>
52	<b>Revenue Surplus/(Deficiency) [8]</b>	<b>\$41,640</b>	<b>(\$26,133)</b>	<b>(\$256,814)</b>	<b>\$38,897</b>	<b>\$17,275</b>	<b>\$167,474</b>
53	<b>Percentage Revenue Surplus/(Deficiency)</b>	<b>2.2%</b>	<b>-1.3%</b>	<b>-11.4%</b>	<b>1.6%</b>	<b>0.7%</b>	<b>6.0%</b>

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					
		2019	2020	2021	2022	2023	2024
<b>Gross Revenues</b>							
<u>Stormwater Revenues</u>							
1	Revenues from Existing Rates	[1] \$1,893,786	\$1,901,261	\$1,908,736	\$1,916,211	\$1,923,686	\$1,931,161
2	Revenues from Proposed Rate Adjustments	[2] 0	172,842	347,043	522,603	699,522	877,800
3	Total Rate Revenues	\$1,893,786	\$2,074,103	\$2,255,779	\$2,438,814	\$2,623,208	\$2,808,961
4	Other Operating Revenue	14,980	14,980	14,980	14,980	14,980	14,980
5	Unrestricted Interest Income	[3] 1,699	1,819	1,592	1,375	1,436	1,531
6	Total System Gross Revenues	\$1,910,465	\$2,090,902	\$2,272,351	\$2,455,169	\$2,639,624	\$2,825,473
7	Operation and Maintenance Expenses	\$1,267,290	\$1,316,778	\$1,369,011	\$1,423,984	\$1,481,968	\$1,543,117
8	Net Revenues	\$643,174	\$774,124	\$903,340	\$1,031,185	\$1,157,656	\$1,282,355
<b>Senior Lien Coverage</b>							
9	Additional Senior Lien Debt 1	\$0	\$0	\$0	\$0	\$111,294	\$111,294
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	\$111,294	\$111,294
	Coverage Ratio - Calculated	N/A	N/A	N/A	N/A	10.40	11.52
14	Coverage Ratio - Required	1.15	1.15	1.15	1.15	1.15	1.15
<b>Subordinate Lien Coverage</b>							
15	Net Revenues	\$643,174	\$774,124	\$903,340	\$1,031,185	\$1,157,656	\$1,282,355
16	Less Senior Lien Debt Service (Inc. Coverage)	0	0	0	0	(127,988)	(127,988)
17	Net Revenues less Senior Lien Debt Service	\$643,174	\$774,124	\$903,340	\$1,031,185	\$1,029,668	\$1,154,368
<u>Subordinate Debt Service:</u>							
Existing Debt Service							
18	Capital Improvement Revenue Note, Series 2014	[4] \$49,335	\$49,911	\$50,056	\$49,671	\$49,546	\$41,105
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	8,040	201	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	0	81,681	81,681	81,681	81,681
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	\$57,375	\$57,951	\$139,777	\$131,553	\$131,227	\$122,786
26	Coverage Ratio - Calculated	11.21	13.36	6.46	7.84	7.85	9.40
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	\$585,799	\$716,173	\$763,563	\$899,632	\$915,135	\$1,048,276
<b>All-In Debt Service Coverage</b>							
29	Combined All-In Debt Service Payments	\$57,375	\$57,951	\$139,777	\$131,553	\$242,521	\$234,079
30	Coverage Ratio - Calculated	11.21	13.36	6.46	7.84	4.77	5.48
31	Coverage Ratio - Target	1.50	1.50	1.50	1.50	1.50	1.50
<u>Other Uses / (Sources) of Funds</u>							
32	Payment In Lieu of Franchise Fee	[6] \$100,864	\$122,372	\$133,091	\$143,890	\$154,769	\$165,729
33	Transfer to Charter Reserve Fund	4,813	4,813	4,813	4,813	4,813	4,813
34	Capital Funded from Rates	225,982	615,120	882,473	712,032	738,277	710,260
35	Transfer From General Fund	0	0	0	0	0	0
36	Net transfer from / (to) Reserves	212,500	0	0	0	0	0
37	Net Transfer to (from) Reserves	\$41,640	(\$26,133)	(\$256,814)	\$38,897	\$17,275	\$167,474

**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, 2018.
- [2] Revenue from rate adjustments reflect the following projected rate increases effective October 1st of each year.

Fiscal Year	2019	2020	2021	2022	2023	2024
Rate Adjustment	0.00%	9.09%	8.33%	7.69%	7.14%	6.67%

- [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.

# APPENDICES

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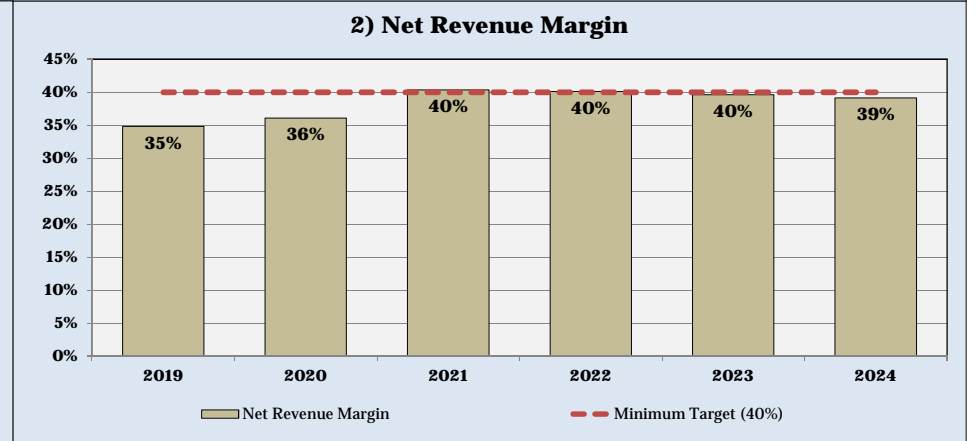
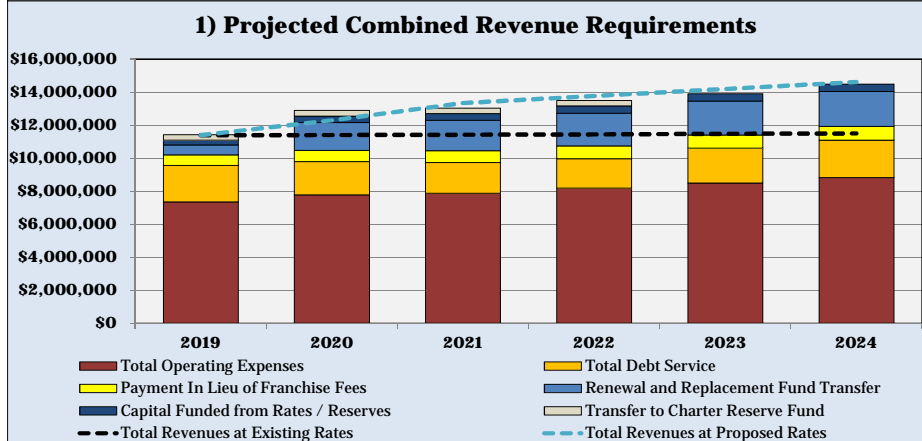
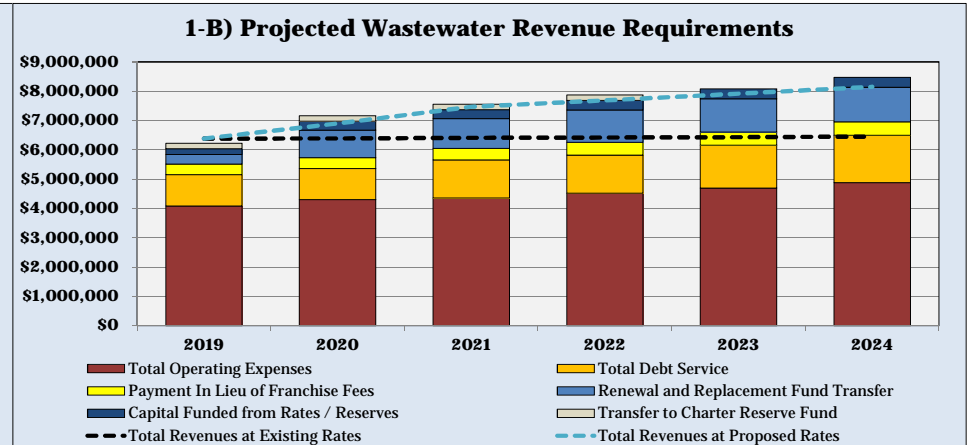
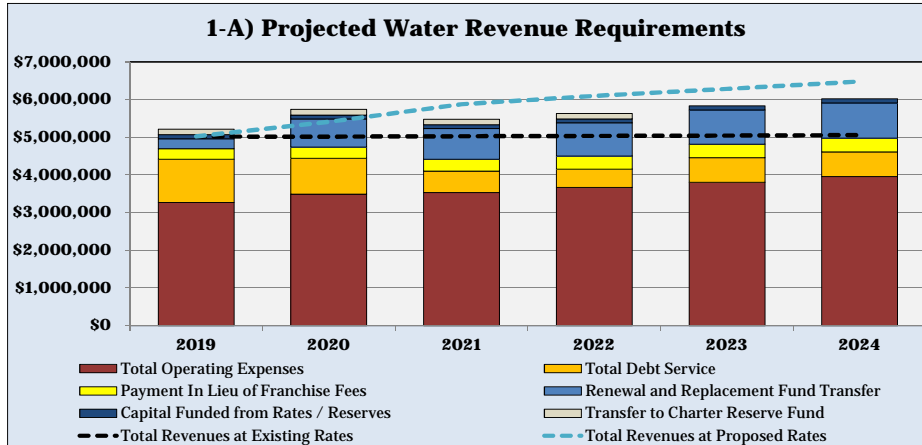


**Appendix I**  
**City of Edgewater, Florida**  
**Water and Wastewater Utility Rate Study**



**Water and Wastewater System Financial Dashboards and Performance Metrics**

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2019	2020	2021	2022	2023	2024		2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency):</b>						
Water Revenue Adjustment	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$192,990)	(\$325,014)	\$400,044	\$465,505	\$456,314	\$461,994
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	159,697	(264,050)	(95,610)	(192,749)	(169,100)	(329,494)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$33,293)	(\$589,064)	\$304,433	\$272,756	\$287,214	\$132,500
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-0.31%	-5.09%	2.42%	2.09%	2.13%	0.95%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	<b>Average Residential Bill:</b>						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$24.21	\$26.39	\$28.76	\$29.63	\$30.52	\$31.43
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	40.40	44.04	48.00	49.44	50.92	52.45
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$64.61	\$70.42	\$76.76	\$79.07	\$81.44	\$83.88
Combined Adjustment	N/A	8.47%	8.49%	3.03%	3.03%	3.03%	Monthly Increase - Total	N/A	\$5.81	\$6.34	\$2.30	\$2.37	\$2.44
Cumulative Adjustment	N/A	8.47%	17.68%	21.24%	24.91%	28.69%	Monthly Increase - Cost Per Gallon	N/A	\$0.0015	\$0.0016	\$0.0006	\$0.0006	\$0.0006



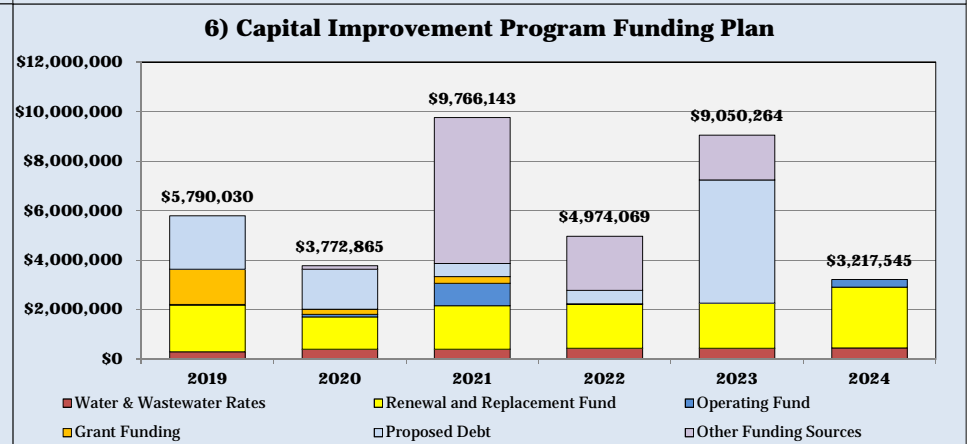
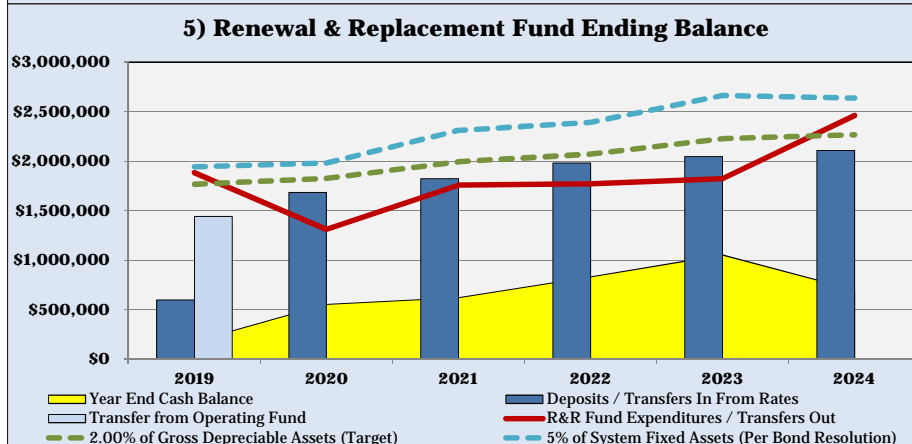
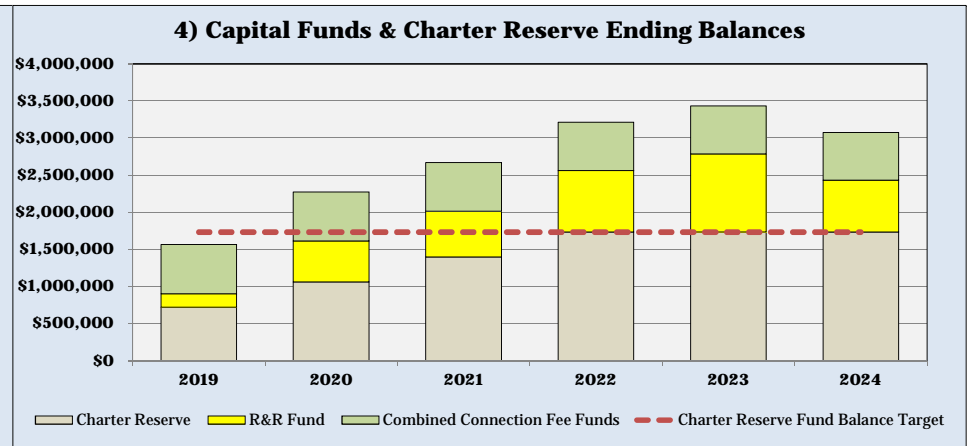
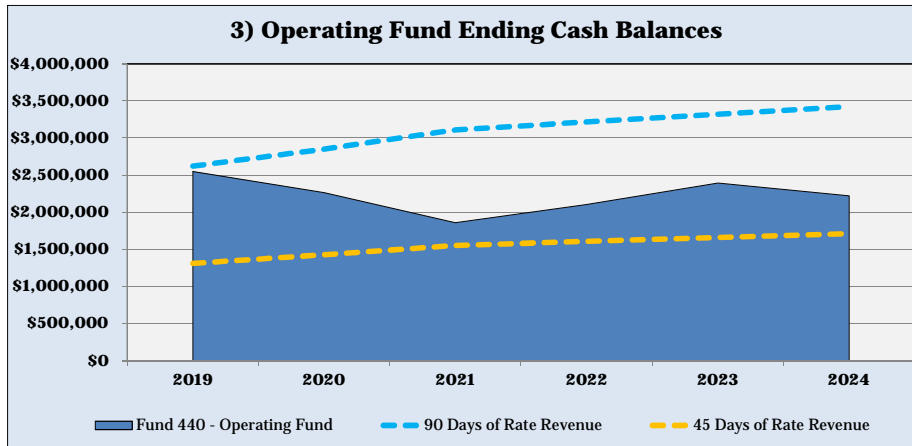


**Appendix I**  
**City of Edgewater, Florida**  
**Water and Wastewater Utility Rate Study**



**Water and Wastewater System Financial Dashboards and Performance Metrics**

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2019	2020	2021	2022	2023	2024		2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency):</b>						
Water Revenue Adjustment	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$192,990)	(\$325,014)	\$400,044	\$465,505	\$456,314	\$461,994
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	159,697	(264,050)	(95,610)	(192,749)	(169,100)	(329,494)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$33,293)	(\$589,064)	\$304,433	\$272,756	\$287,214	\$132,500
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-0.31%	-5.09%	2.42%	2.09%	2.13%	0.95%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	<b>Average Residential Bill:</b>						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$24.21	\$26.39	\$28.76	\$29.63	\$30.52	\$31.43
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	40.40	44.04	48.00	49.44	50.92	52.45
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$64.61	\$70.42	\$76.76	\$79.07	\$81.44	\$83.88
Combined Adjustment	N/A	8.47%	8.49%	3.03%	3.03%	3.03%	Monthly Increase - Total	N/A	\$5.81	\$6.34	\$2.30	\$2.37	\$2.44
Cumulative Adjustment	N/A	8.47%	17.68%	21.24%	24.91%	28.69%	Monthly Increase - Cost Per Gallon	N/A	\$0.0015	\$0.0016	\$0.0006	\$0.0006	\$0.0006





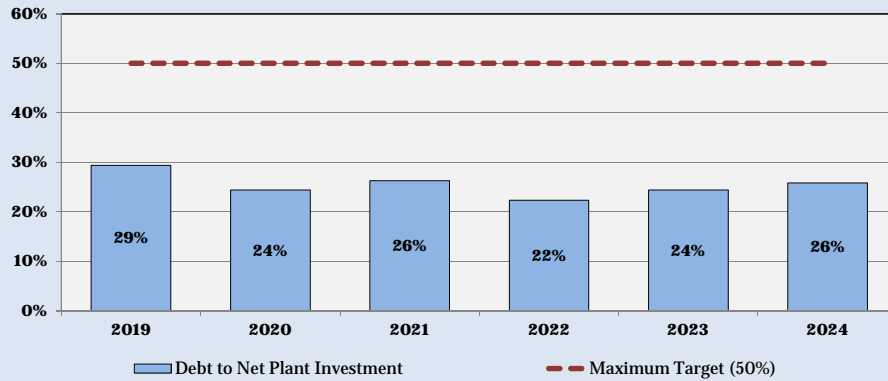
**Appendix I  
City of Edgewater, Florida  
Water and Wastewater Utility Rate Study**



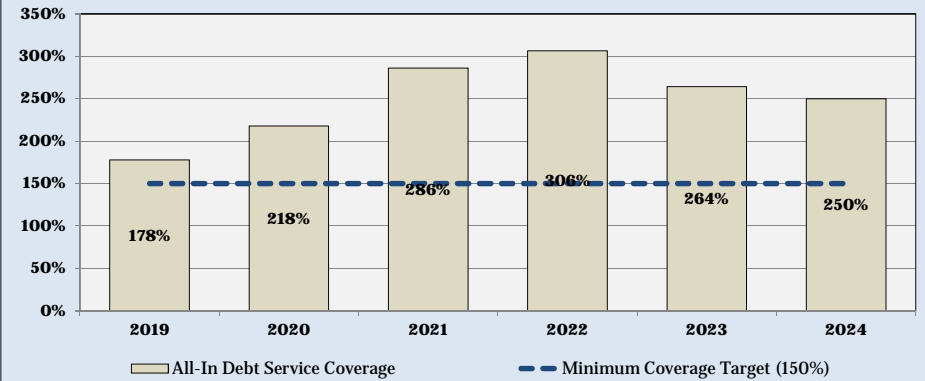
**Water and Wastewater System Financial Dashboards and Performance Metrics**

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2019	2020	2021	2022	2023	2024		2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency):</b>						
Water Revenue Adjustment	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$192,990)	(\$325,014)	\$400,044	\$465,505	\$456,314	\$461,994
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	159,697	(264,050)	(95,610)	(192,749)	(169,100)	(329,494)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$33,293)	(\$589,064)	\$304,433	\$272,756	\$287,214	\$132,500
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-0.31%	-5.09%	2.42%	2.09%	2.13%	0.95%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	<b>Average Residential Bill:</b>						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$24.21	\$26.39	\$28.76	\$29.63	\$30.52	\$31.43
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	40.40	44.04	48.00	49.44	50.92	52.45
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$64.61	\$70.42	\$76.76	\$79.07	\$81.44	\$83.88
Combined Adjustment	N/A	8.47%	8.49%	3.03%	3.03%	3.03%	Monthly Increase - Total	N/A	\$5.81	\$6.34	\$2.30	\$2.37	\$2.44
Cumulative Adjustment	N/A	8.47%	17.68%	21.24%	24.91%	28.69%	Monthly Increase - Cost Per Gallon	N/A	\$0.0015	\$0.0016	\$0.0006	\$0.0006	\$0.0006

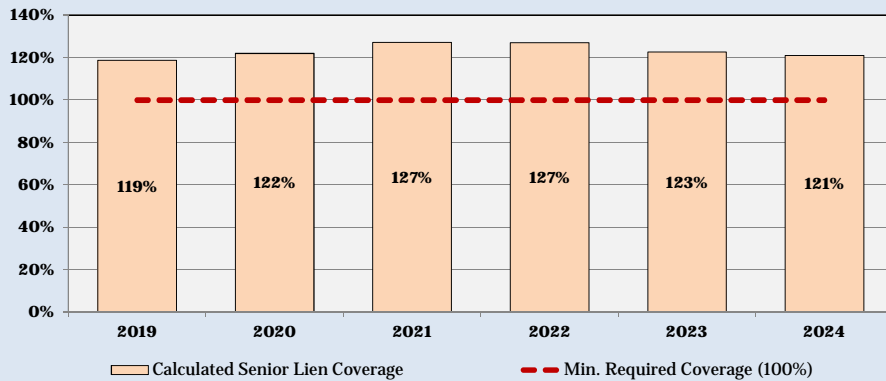
**7) Debt to Net Plant Investment**



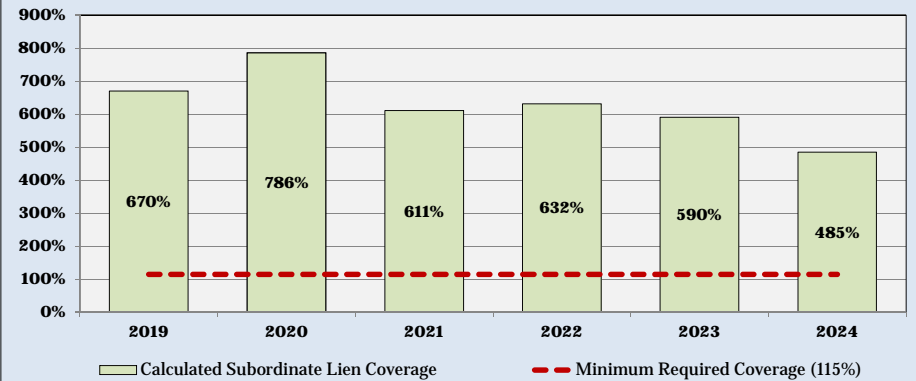
**8) All-In Debt Service Coverage**



**9) Senior Lien Debt Service Coverage**



**10) Subordinate Lien Debt Service Coverage**



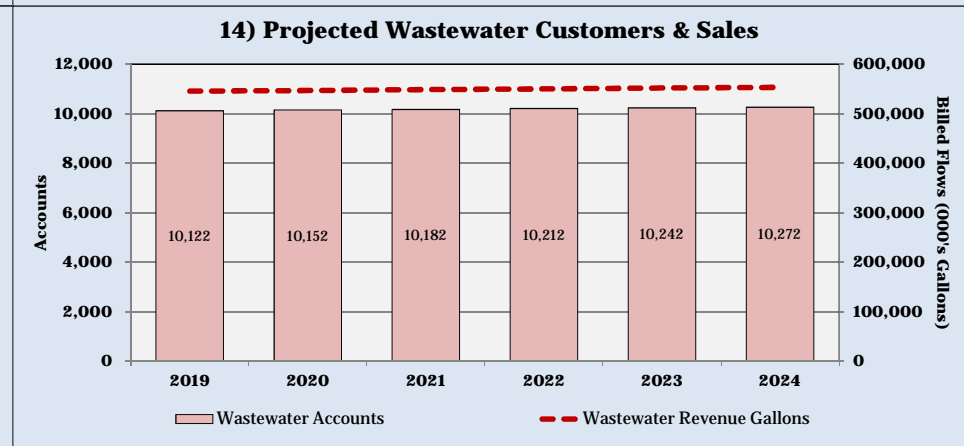
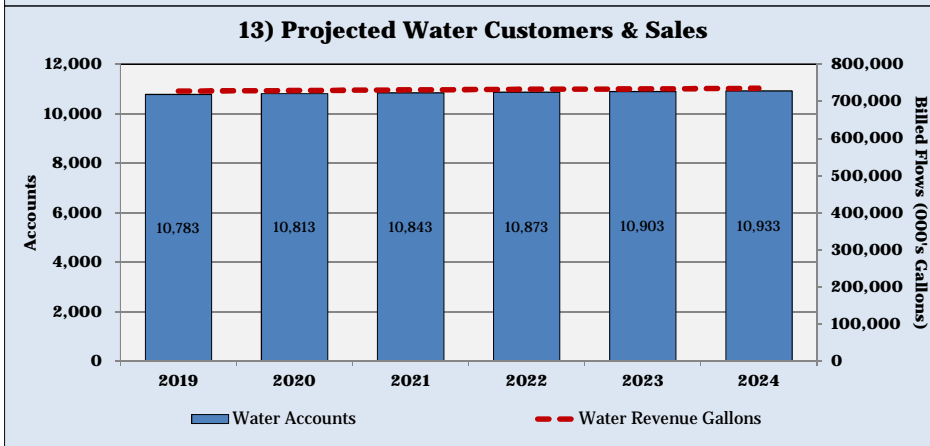
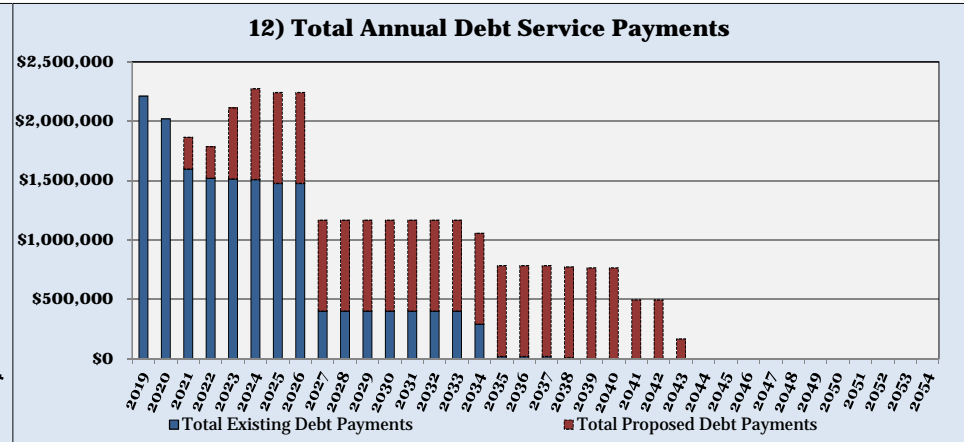
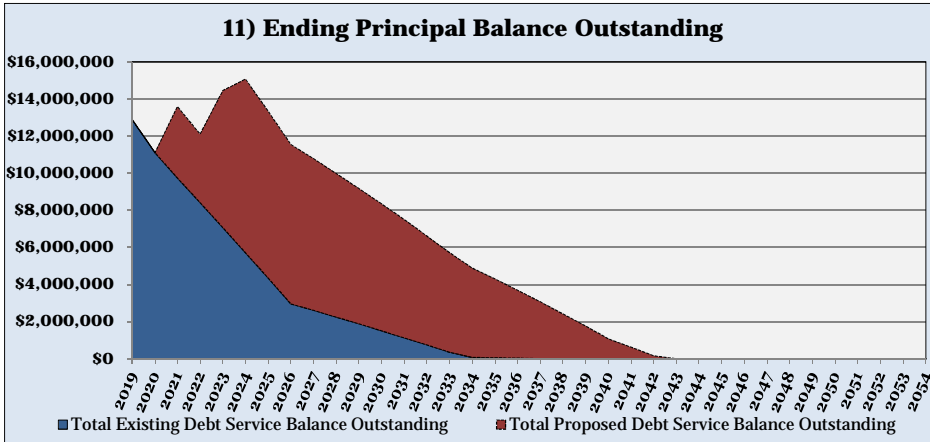


**Appendix I**  
**City of Edgewater, Florida**  
**Water and Wastewater Utility Rate Study**



**Water and Wastewater System Financial Dashboards and Performance Metrics**

Description	Fiscal Year Ending September 30th,						Description	Fiscal Year Ending September 30th,					
	2019	2020	2021	2022	2023	2024		2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency):</b>						
Water Revenue Adjustment	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	Water Revenue Surplus / (Deficiency)	(\$192,990)	(\$325,014)	\$400,044	\$465,505	\$456,314	\$461,994
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Wastewater Revenue Surplus / (Deficiency)	159,697	(264,050)	(95,610)	(192,749)	(169,100)	(329,494)
Wholesale Water Revenue Adjustment	0.00%	5.00%	5.00%	5.00%	5.00%	5.00%	Combined Revenue Surplus / (Deficiency)	(\$33,293)	(\$589,064)	\$304,433	\$272,756	\$287,214	\$132,500
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Percent of Rate Revenues	-0.31%	-5.09%	2.42%	2.09%	2.13%	0.95%
Wastewater Revenue Adj.	0.00%	9.00%	9.00%	3.00%	3.00%	3.00%	<b>Average Residential Bill:</b>						
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Water Bill @ 3,000 gal	\$24.21	\$26.39	\$28.76	\$29.63	\$30.52	\$31.43
Reclaimed Revenue Adj.	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	Average Wastewater Bill @ 3,000 gal	40.40	44.04	48.00	49.44	50.92	52.45
Effective Month of Increase	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Average Combined Bill @ 3,000 gal	\$64.61	\$70.42	\$76.76	\$79.07	\$81.44	\$83.88
Combined Adjustment	N/A	8.47%	8.49%	3.03%	3.03%	3.03%	Monthly Increase - Total	N/A	\$5.81	\$6.34	\$2.30	\$2.37	\$2.44
Cumulative Adjustment	N/A	8.47%	17.68%	21.24%	24.91%	28.69%	Monthly Increase - Cost Per Gallon	N/A	\$0.0015	\$0.0016	\$0.0006	\$0.0006	\$0.0006





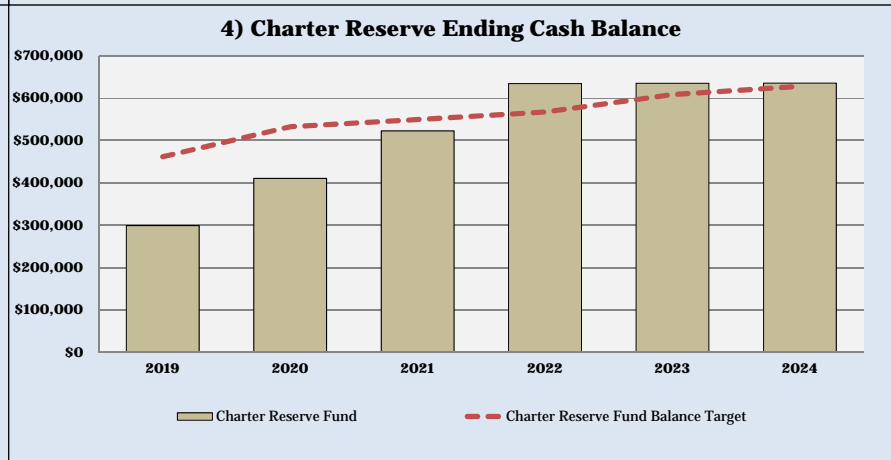
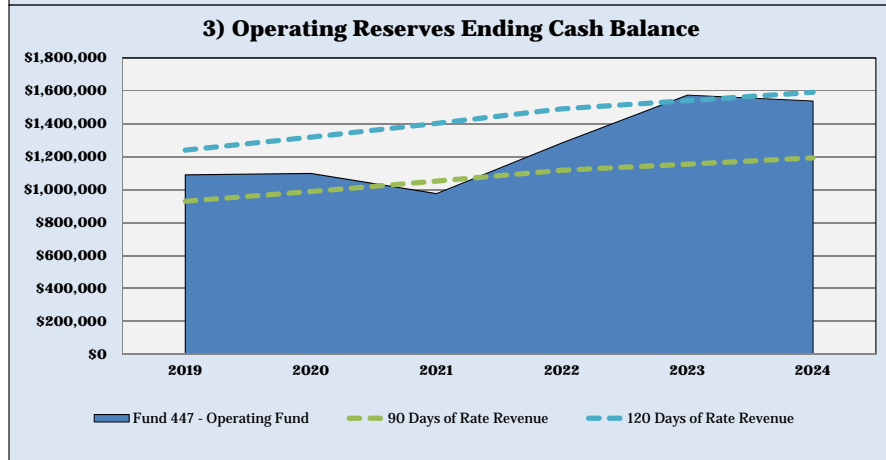
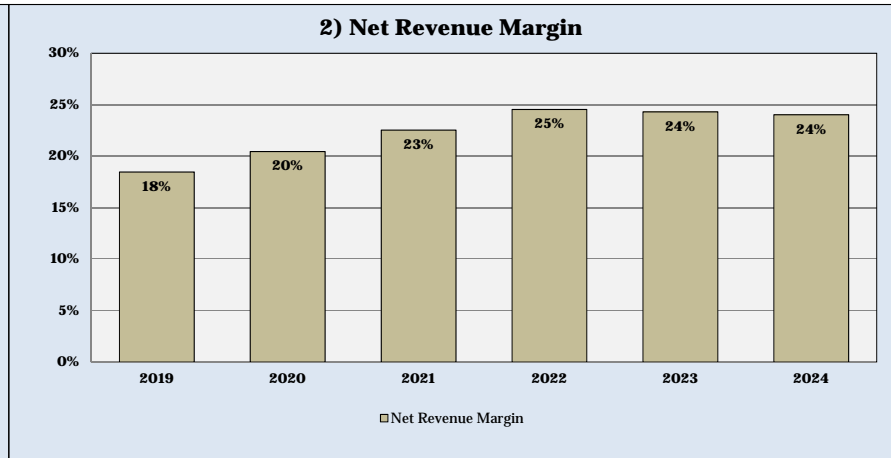
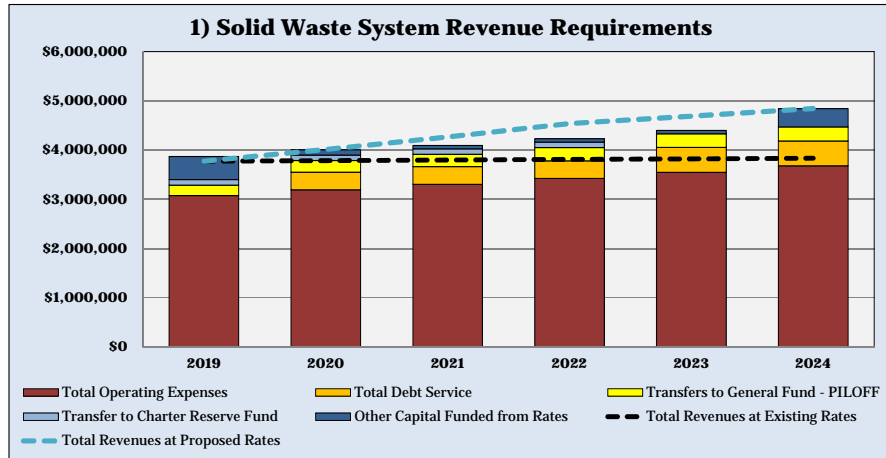


**Appendix 2  
City of Edgewater, Florida  
Solid Waste Utility Rate Study**



**Solid Waste System Financial Dashboards and Performance Metrics**

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2019	2020	2021	2022	2023	2024		2019 Base	2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency)</b>		(\$94,087)	\$8,595	\$174,706	\$308,251	\$289,922	\$4,002
Solid Waste Collection Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%	Percent of Rate Revenues		-2.49%	0.21%	4.10%	6.80%	6.19%	0.08%
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	<b>Average Residential Bill:</b>							
Recycling Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%	Solid Waste Collection	\$27.66	\$27.66	\$29.32	\$31.08	\$32.94	\$33.93	\$34.95
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	3.54	3.54	3.75	3.98	4.22	4.35	4.48
Combined Adjustment	N/A	6.00%	6.00%	6.00%	3.00%	3.00%	Total Solid Waste Bill	\$31.20	\$31.20	\$33.07	\$35.06	\$37.16	\$38.28	\$39.43
Cumulative Adjustment	N/A	6.00%	12.36%	19.10%	22.67%	26.35%	Annual Increase - Total	N/A	\$0.00	\$1.87	\$1.99	\$2.10	\$1.12	\$1.15



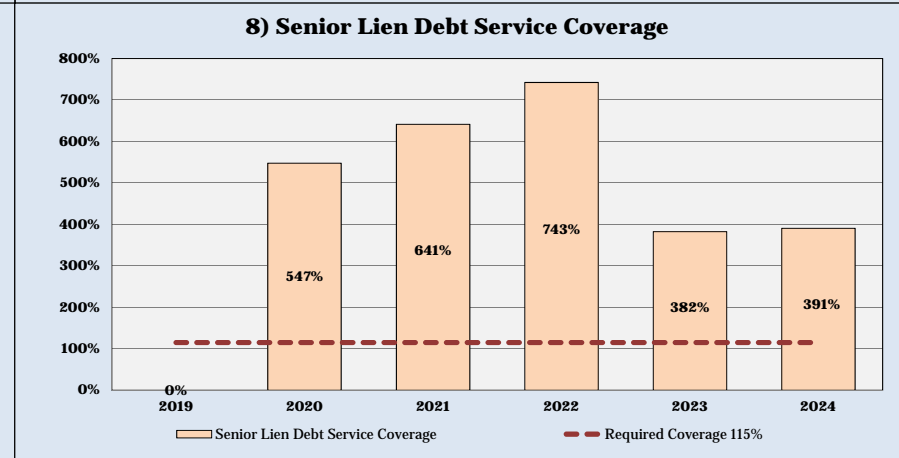
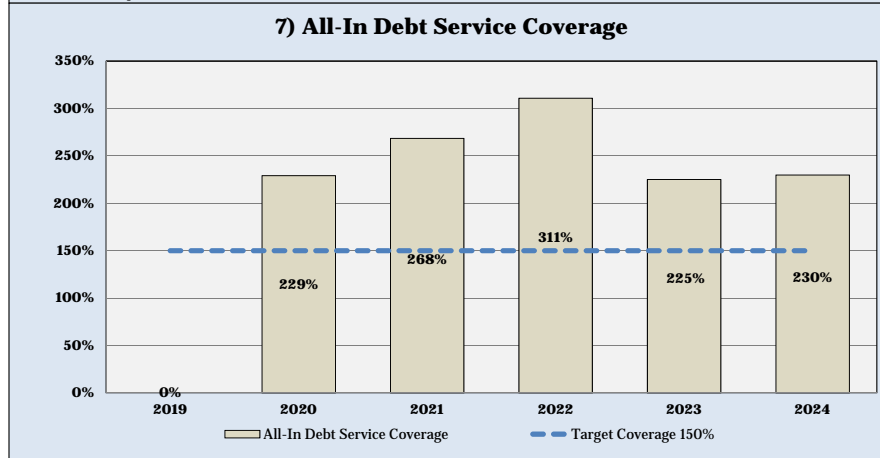
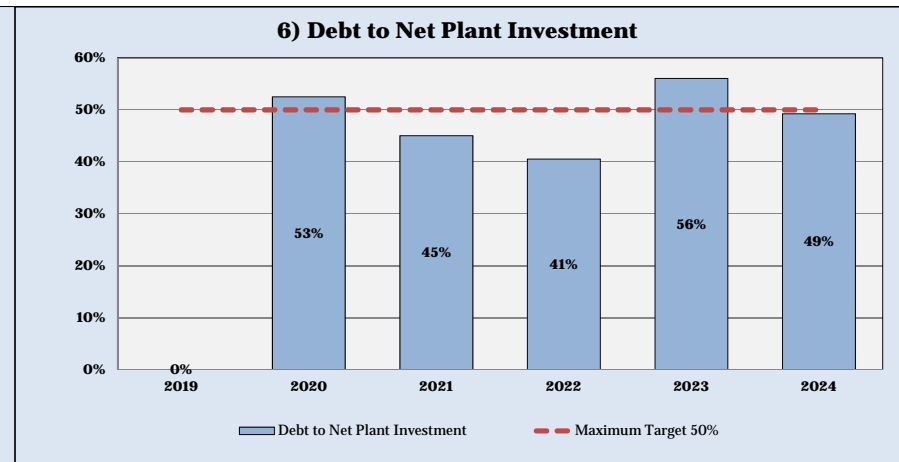
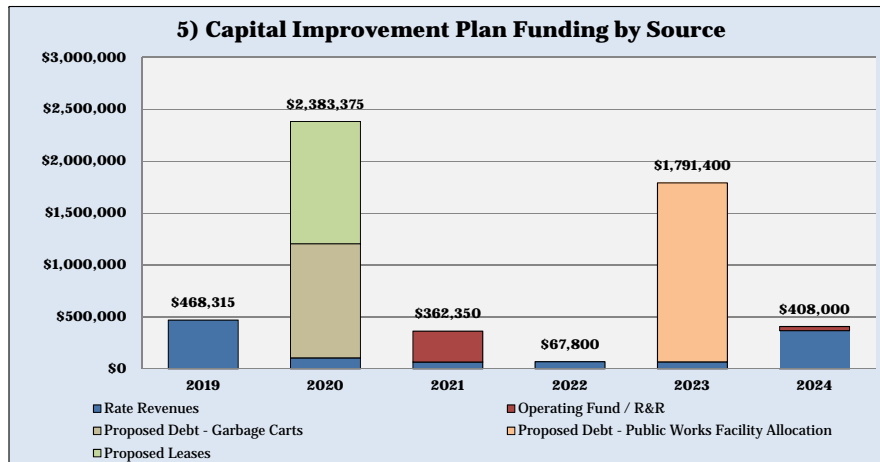


**Appendix 2  
City of Edgewater, Florida  
Solid Waste Utility Rate Study**



**Solid Waste System Financial Dashboards and Performance Metrics**

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2019	2020	2021	2022	2023	2024		2019 Base	2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency)</b>		(\$94,087)	\$8,595	\$174,706	\$308,251	\$289,922	\$4,002
Solid Waste Collection Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%	Percent of Rate Revenues		-2.49%	0.21%	4.10%	6.80%	6.19%	0.08%
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	<b>Average Residential Bill:</b>							
Recycling Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%	Solid Waste Collection	\$27.66	\$27.66	\$29.32	\$31.08	\$32.94	\$33.93	\$34.95
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	3.54	3.54	3.75	3.98	4.22	4.35	4.48
Combined Adjustment	N/A	6.00%	6.00%	6.00%	3.00%	3.00%	Total Solid Waste Bill	\$31.20	\$31.20	\$33.07	\$35.06	\$37.16	\$38.28	\$39.43
Cumulative Adjustment	N/A	6.00%	12.36%	19.10%	22.67%	26.35%	Annual Increase - Total	N/A	\$0.00	\$1.87	\$1.99	\$2.10	\$1.12	\$1.15



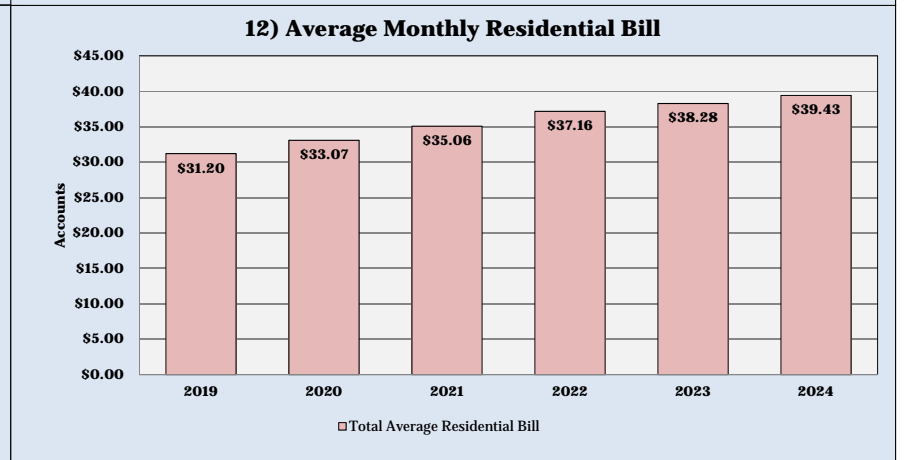
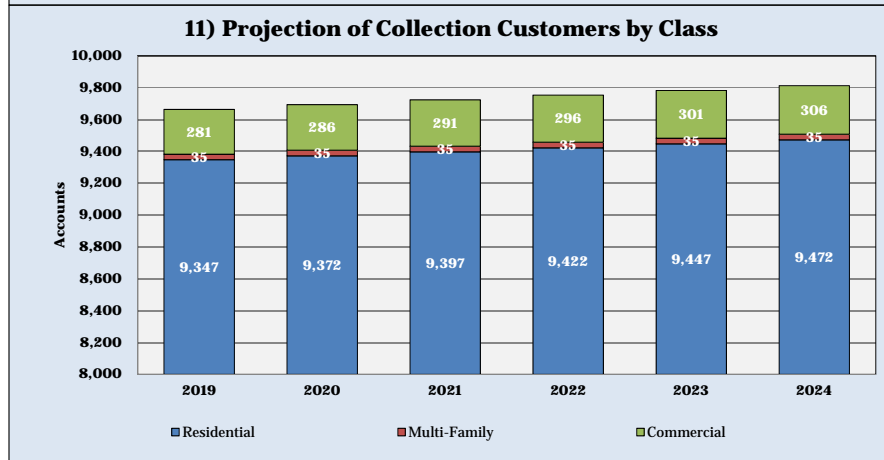
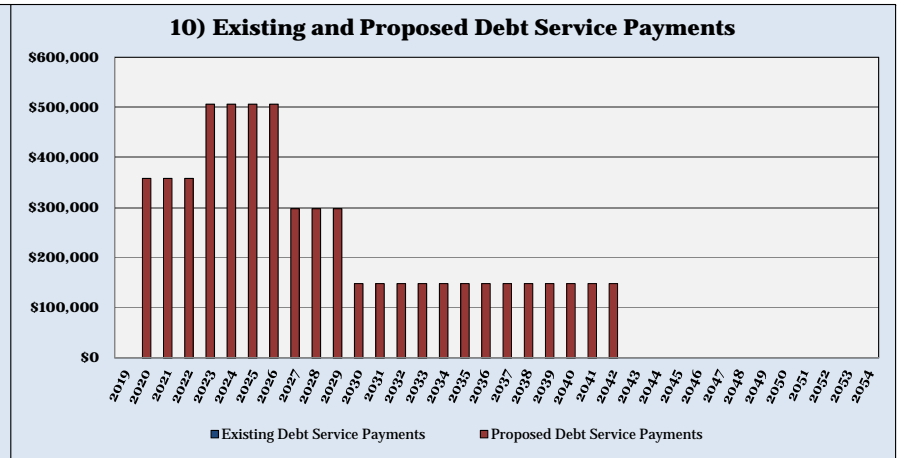
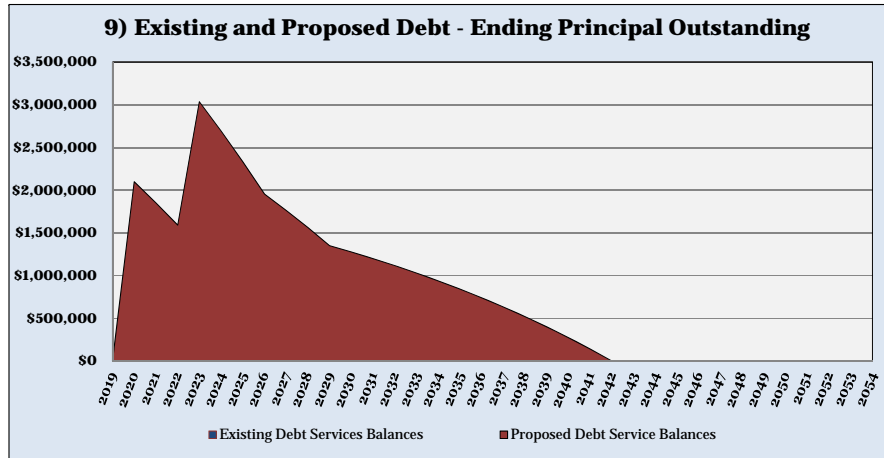


**Appendix 2  
City of Edgewater, Florida  
Solid Waste Utility Rate Study**



**Solid Waste System Financial Dashboards and Performance Metrics**

Description	Fiscal Year Ending September 30,						Description	Fiscal Year Ending September 30,						
	2019	2020	2021	2022	2023	2024		2019 Base	2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency)</b>		(\$94,087)	\$8,595	\$174,706	\$308,251	\$289,922	\$4,002
Solid Waste Collection Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%	Percent of Rate Revenues		-2.49%	0.21%	4.10%	6.80%	6.19%	0.08%
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	<b>Average Residential Bill:</b>							
Recycling Revenue Adjustment	0.00%	6.00%	6.00%	6.00%	3.00%	3.00%	Solid Waste Collection	\$27.66	\$27.66	\$29.32	\$31.08	\$32.94	\$33.93	\$34.95
Effective Month of Increase	Oct.	Oct.	Oct.	Oct.	Oct.	Oct.	Recycling	3.54	3.54	3.75	3.98	4.22	4.35	4.48
Combined Adjustment	N/A	6.00%	6.00%	6.00%	3.00%	3.00%	Total Solid Waste Bill	\$31.20	\$31.20	\$33.07	\$35.06	\$37.16	\$38.28	\$39.43
Cumulative Adjustment	N/A	6.00%	12.36%	19.10%	22.67%	26.35%	Annual Increase - Total	N/A	\$0.00	\$1.87	\$1.99	\$2.10	\$1.12	\$1.15



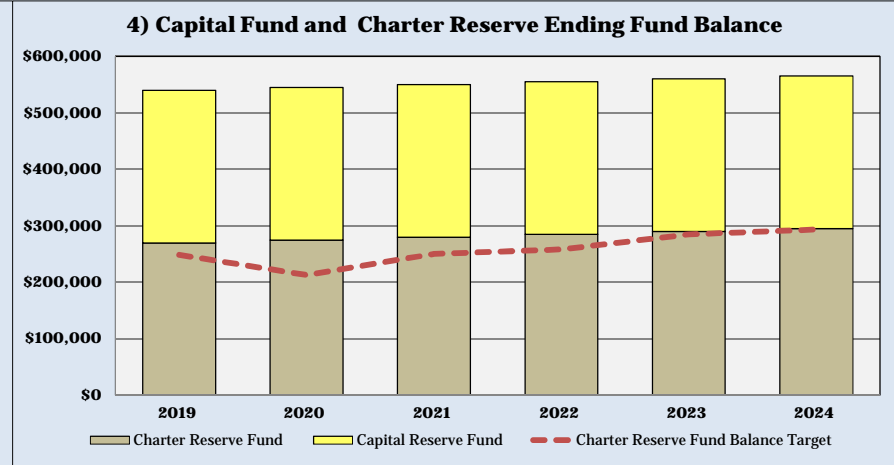
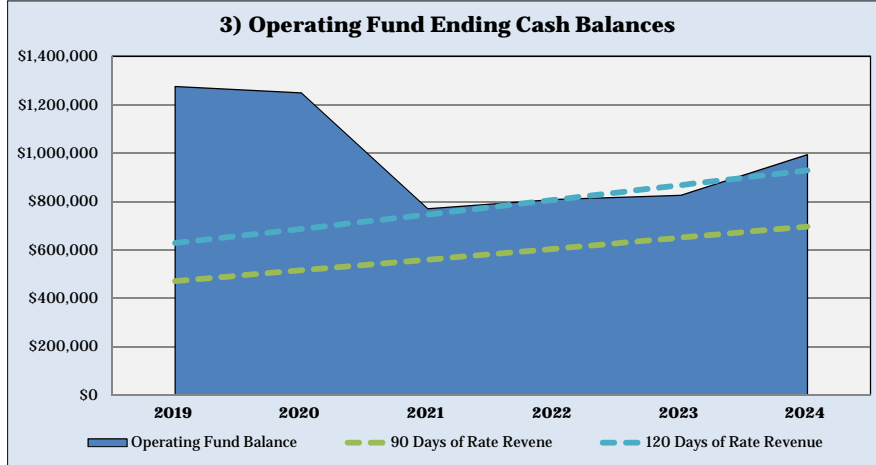
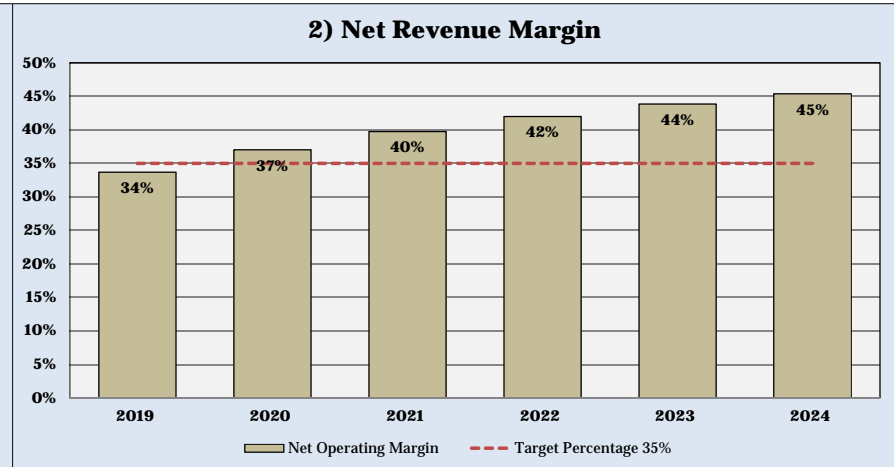
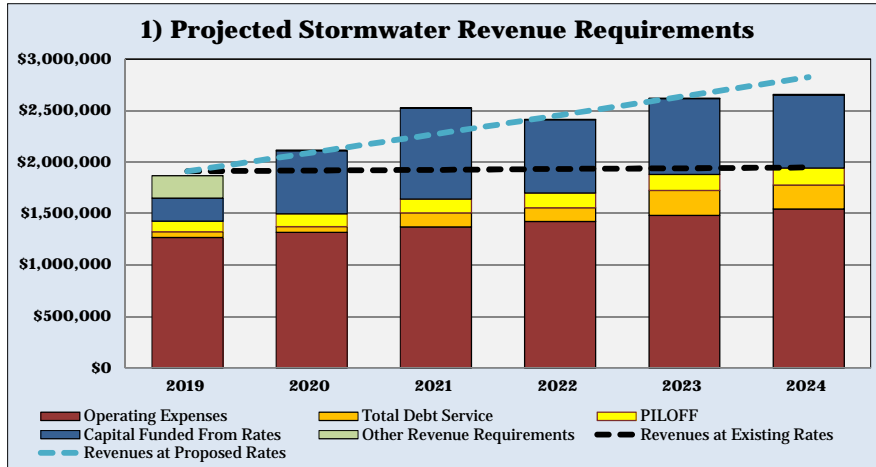


**Appendix 3  
City of Edgewater, Florida  
Stormwater Utility Rate Study**



**Stormwater System Financial Dashboards and Performance Metrics**

Description	2019	2020	2021	2022	2023	2024	Description	2019 Base	2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency)</b>							
Stormwater Base Fee	0.00%	9.09%	8.33%	7.69%	7.14%	6.67%	System Surplus / (Deficiency)	\$41,640	(\$26,133)	(\$256,814)	\$38,897	\$17,275	\$167,474	
Effective Month of Increase	October	October	October	October	October	October	Percent of Rate Revenues	2.20%	-1.26%	-11.38%	1.59%	0.66%	5.96%	
Stormwater Assessment Fee	0.00%	9.09%	8.33%	7.69%	7.14%	6.67%	<b>Average Residential Bill:</b>							
Effective Month of Increase	October	October	October	October	October	October	Stormwater Base Fee	\$5.98	\$5.98	\$6.52	\$7.06	\$7.60	\$8.14	\$8.68
Combined Adjustment	N/A	9.09%	8.33%	7.69%	7.14%	6.67%	Stormwater Assessment Fee	5.02	5.02	5.48	5.94	6.40	6.86	7.32
Cumulative Adjustment	N/A	9.09%	18.18%	27.27%	36.36%	45.45%	Total Stormwater Bill	\$11.00	\$11.00	\$12.00	\$13.00	\$14.00	\$15.00	\$16.00
							Monthly Increase - Total	N/A	\$0.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00



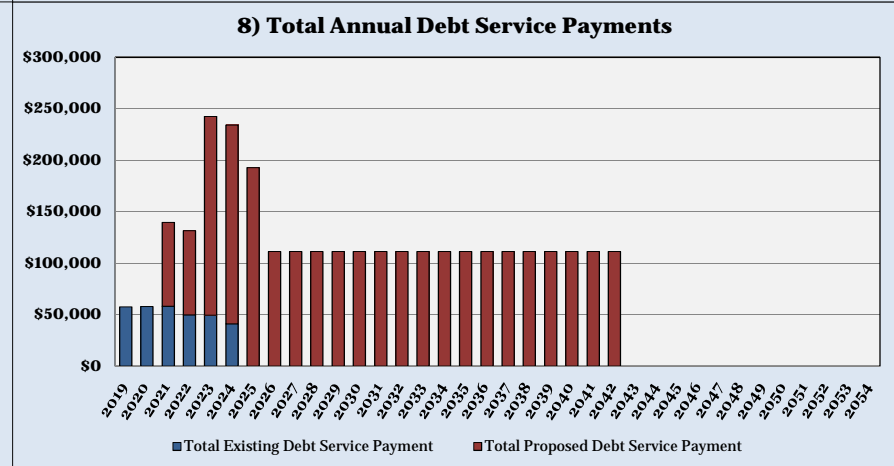
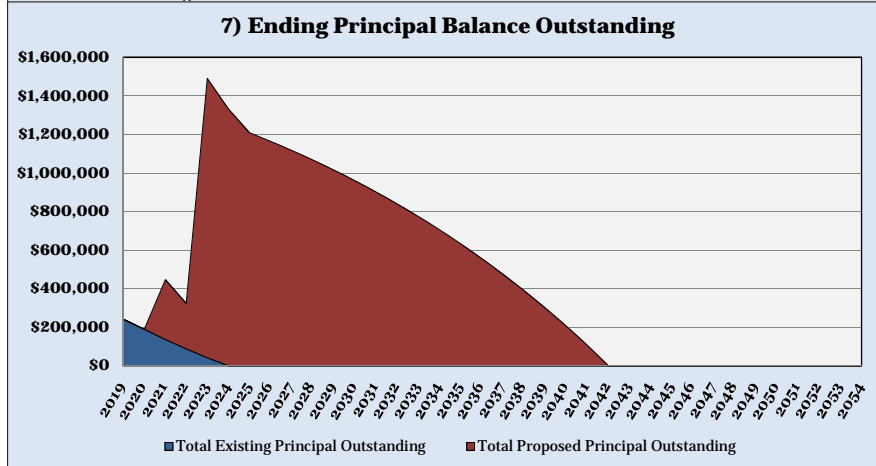
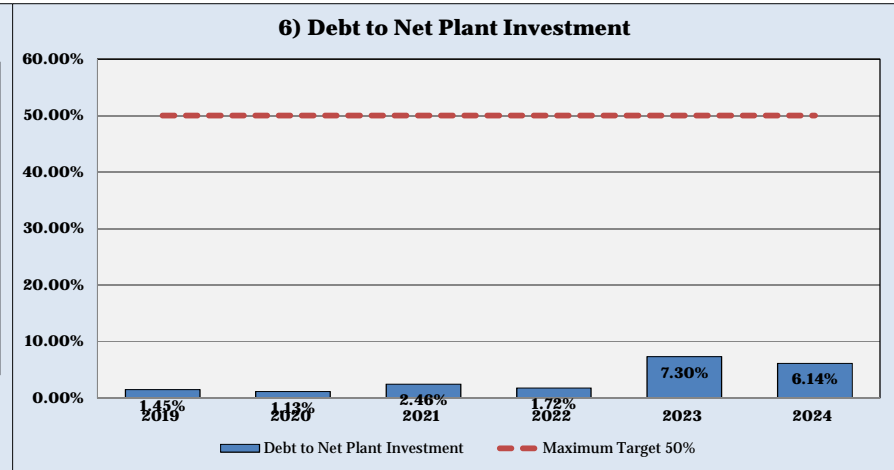
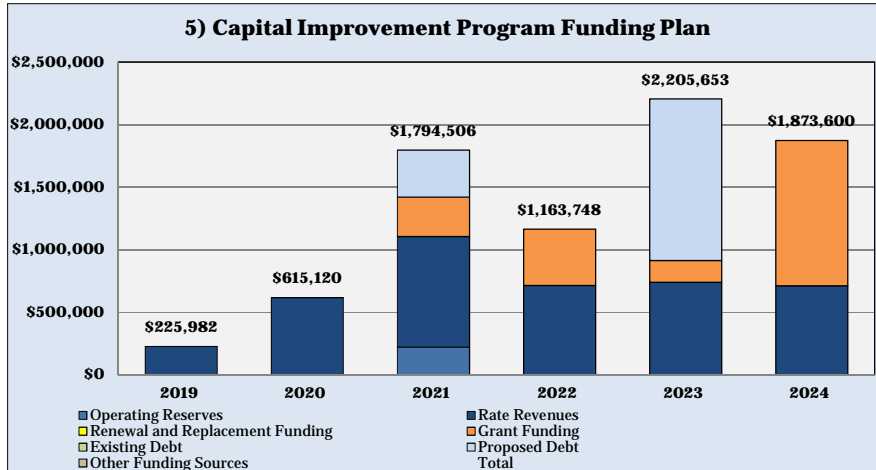


### Appendix 3 City of Edgewater, Florida Stormwater Utility Rate Study



#### Stormwater System Financial Dashboards and Performance Metrics

Description	2019	2020	2021	2022	2023	2024	Description	2019 Base	2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency)</b>							
Stormwater Base Fee	0.00%	9.09%	8.33%	7.69%	7.14%	6.67%	Percent of Rate Revenues	\$41,640	2.20%	(\$26,133)	(\$256,814)	\$38,897	\$17,275	\$167,474
Effective Month of Increase	October	October	October	October	October	October	Average Residential Bill:							
Stormwater Assessment Fee	0.00%	9.09%	8.33%	7.69%	7.14%	6.67%	Stormwater Base Fee	\$5.98	\$5.98	\$6.52	\$7.06	\$7.60	\$8.14	\$8.68
Effective Month of Increase	October	October	October	October	October	October	Stormwater Assessment Fee	\$5.02	5.02	5.48	5.94	6.40	6.86	7.32
Combined Adjustment	N/A	9.09%	8.33%	7.69%	7.14%	6.67%	Total Stormwater Bill	\$11.00	\$11.00	\$12.00	\$13.00	\$14.00	\$15.00	\$16.00
Cumulative Adjustment	N/A	9.09%	18.18%	27.27%	36.36%	45.45%	Monthly Increase - Total	N/A	\$0.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00





**Appendix 3  
City of Edgewater, Florida  
Stormwater Utility Rate Study**



**Stormwater System Financial Dashboards and Performance Metrics**

Description	2019	2020	2021	2022	2023	2024	Description	2019 Base	2019	2020	2021	2022	2023	2024
<b>Recognized Revenue Adjustments:</b>							<b>System Surplus / (Deficiency)</b>							
Stormwater Base Fee	0.00%	9.09%	8.33%	7.69%	7.14%	6.67%	System Surplus / (Deficiency)	\$41,640	(\$26,133)	(\$256,814)	\$38,897	\$17,275	\$167,474	
Effective Month of Increase	October	October	October	October	October	October	Percent of Rate Revenues	2.20%	-1.26%	-11.38%	1.59%	0.66%	5.96%	
Stormwater Assessment Fee	0.00%	9.09%	8.33%	7.69%	7.14%	6.67%	<b>Average Residential Bill:</b>							
Effective Month of Increase	October	October	October	October	October	October	Stormwater Base Fee	\$5.98	\$5.98	\$6.52	\$7.06	\$7.60	\$8.14	\$8.68
Combined Adjustment	N/A	9.09%	8.33%	7.69%	7.14%	6.67%	Stormwater Assessment Fee	\$5.02	\$5.02	\$5.48	\$5.94	\$6.40	\$6.86	\$7.32
Cumulative Adjustment	N/A	9.09%	18.18%	27.27%	36.36%	45.45%	Total Stormwater Bill	\$11.00	\$11.00	\$12.00	\$13.00	\$14.00	\$15.00	\$16.00
							Monthly Increase - Total	N/A	\$0.00	\$1.00	\$1.00	\$1.00	\$1.00	\$1.00

